N3172B_003257
NASD VIEQUES, PR
SSIC 5000-33a

FINAL UNEXPLODED ORDNANCE 16 (UXO 16) UNDERWATER WIDE AREA ASSESSMENT REPORT ATLANTIC FLEET WEAPONS TRAINING AREA VIEQUES, FORMER NAVAL AMMUNITION SUPPORT DETACHMENT AND FORMER NAVAL TRAINING RANGE VIEQUES PUERTO RICO

09/01/2018

CH2M HILL

Approved for public release: distribution unlimited.

Atlantic
Norfolk, Virginia

Final

UXO 16 Underwater Wide Area Assessment Report

Atlantic Fleet Weapons Training Area – Vieques
Former Naval Ammunition Support Detachment and
Former Vieques Naval Training Range
Vieques, Puerto Rico

September 2018

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED

Atlantic
Norfolk, Virginia

Final

UXO 16 Underwater Wide Area Assessment Report

Atlantic Fleet Weapons Training Area—Vieques
Former Naval Ammunition Support Detachment and
Former Vieques Naval Training Range
Vieques, Puerto Rico

September 2018

Prepared for
NAVFAC Atlantic
by CH2M HILL, Inc.
Virginia Beach, Virginia
Contract N62470-16-D-9000
CTO 0004

Executive Summary

This report presents the findings, conclusions, and recommendations of the Wide Area Assessment (WAA) performed at UXO 16, an approximately 11,500-acre area located offshore of the former Naval Ammunition Support Detachment (NASD) and the former Vieques Naval Training Range (VNTR) in Vieques, Puerto Rico (**Figures ES-1 and ES-2**). The WAA is the first step in a phased Remedial Investigation (RI) of UXO 16 for the nature and extent of munitions and munitions-related items. The findings will be used to aid in the decision-making process and in prioritizing and planning future investigations and munitions response actions.

The primary objective of the WAA was to determine the presence and distribution of elevated anomaly density areas (EADAs) across UXO 16; EADAs are concentrated areas of metallic objects that may represent munitions. The secondary objective of the WAA was to collect information to support a programmatic underwater biological assessment and/or protocols to ensure protection of key marine species and habitats during follow-up focused investigations and actions.

To identify EADAs, digital geophysical mapping (DGM) was performed, which involved towing an underwater magnetometer array along transects spaced in such a way as to allow for determining the locations and relative density distribution of geophysical anomalies throughout UXO 16. Video cameras mounted on the magnetometer array visually characterized the seafloor with respect to the bottom types and benthic habitat, as well as to identify objects on the seafloor that are potential munitions. A total of 208 miles of transects were performed across UXO 16.

Eighteen EADAs were identified within UXO 16 and are generally consistent with the UXO 16 Conceptual Site Model (**Figure ES-3**). As anticipated, the highest anomaly densities and largest EADAs were located adjacent to the Live Impact Area (LIA) and, to a somewhat lesser extent, the Surface Impact Area (SIA). Portions of these EADAs extend to the UXO 16 boundary. Other EADAs were located on the northern coast offshore of UXO 13, on the southern coast adjacent to boating and beach areas, and within the westernmost and northwestern anchorage areas. No EADAs were identified offshore of the Eastern Conservation Area (ECA) or within the northern anchorage area. It is important to note that underwater DGM identified metallic anomalies, not the source of the metallic anomalies. Therefore, while many of the anomalies are likely due to the presence of munitions-related items, the presence of non-munitions-related items, such as cultural debris, likely accounts for some of the geophysical anomaly results.

A total of 234 objects that could be munitions were identified on the seafloor via the video cameras mounted on the array. The majority of these objects were identified adjacent to the LIA and on the seafloor in areas with greater than 90 percent hard bottom. This information, coupled with the EADA information, indicates the majority of the anomalies identified likely occur within sediment beneath the seafloor.

Information obtained from the WAA will be used to plan future UXO 16 activities, including prioritization of areas for further investigation or removal/remedial action, development of investigation approaches, identification of potential investigation and removal/remedial action technologies, establishment of a baseline data set for potential use in any future land use controls and associated long-term monitoring, and for the development of a Programmatic Biological Assessment to assess potential effects of future investigations and actions on Endangered Species Act listed species or designated critical habitats.

NOTE: THIS SUMMARY IS PRESENTED IN ENGLISH AND SPANISH FOR THE CONVENIENCE OF THE READER. EVERY EFFORT HAS BEEN MADE FOR THE TRANSLATIONS TO BE AS ACCURATE AS REASONABLY POSSIBLE. HOWEVER, READERS SHOULD BE AWARE THAT THE ENGLISH VERSION OF THE TEXT IS THE OFFICIAL VERSION.

Resumen Ejecutivo

Este informe presenta los hallazgos, conclusiones y recomendaciones de la Evaluación de Área Amplia (WAA, por sus siglas en inglés) efectuada en UXO 16, un área de aproximadamente 11,500 acres localizada mar afuera del antiguo Destacamento de Apoyo a Municiones Navales (NASD, por sus siglas en inglés) y del antiguo Campo de Adiestramiento Naval de Vieques (VNTR, por sus siglas en inglés) en Vieques, Puerto Rico **(Figuras ES-1 y ES-2).** El WAA es la primera de varias fases de la Investigación para la Remediación (RI, por sus siglas en inglés) del UXO 16, cuyo objetivo es evaluar la naturaleza y la extensión de las municiones y artículos relacionados a las municiones. Estos hallazgos facilitarán tanto el proceso de toma de decisiones como la asignación de prioridades y planificación futura de investigaciones y acciones de respuesta a municiones.

El objetivo primario del WAA fue determinar la presencia y distribución de áreas de anomalías con densidad elevada (EADAs, por sus siglas en inglés) a través de UXO 16; EADAs son áreas con concentraciones de objetos metálicos que pudieran representar municiones. El objetivo secundario del WAA fue recopilar información para sustentar una evaluación biológica programática de la vida submarina y protocolos para salvaguardar las especies y hábitats marinos claves cuando se realicen investigaciones y acciones de seguimiento enfocadas.

Se llevó a cabo cartografía geofísica digital (DGM, por sus siglas en inglés) con el propósito de identificar EADAs. lo cual requirió remolcar un equipo de magnetómetro submarino a lo largo de transectos separados de forma tal que permitiesen identificar tanto la ubicación como la densidad relativa de las anomalías geofísicas a través de UXO 16. Se utilizaron cámaras de video instaladas en el equipo del magnetómetro para caracterizar visualmente el lecho marino con respecto a los tipos de fondo y el hábitat béntico, así como para identificar objetos en el fondo marino que pudieran constituir municiones potenciales. El recorrido abarcó un total de 208 millas de transectos a través de UXO 16.

Dieciocho EADAs fueron identificadas dentro de UXO 16, lo cual guarda consistencia con el modelo conceptual de sitio **(Figura ES-3)** para UXO 16. Según se esperaba, las densidades de anomalías y EADAs más grandes fueron halladas adyacentes al Área de Impacto con Bala Viva (LIA, por sus siglas en inglés) y en menor grado, en el Área de Impacto a la Superficie (SIA, por sus siglas en inglés). Parte de estas EADAs llegan hasta los límites de UXO 16. Otras EADAs fueron halladas en la costa norte mar afuera de UXO 13, en la costa sur adyacente a áreas de embarcaciones y playas, y en áreas de anclaje en el noroeste y extremo oeste. No se identificaron EADAs mar afuera del Área de Conservación del Este (ECA, por sus siglas en inglés) o dentro del área de anclaje norte. Es importante señalar que el DGM submarino identificó anomalías metálicas, pero no el origen de estas anomalías metálicas. Por lo tanto, aunque gran parte de las anomalías probablemente se deban a la presencia de artículos relacionados a municiones, la presencia de artículos no relacionados a municiones, como lo son escombros o desechos culturales, probablemente podría explicar algunos de los resultados que muestran las anomalías geofísicas.

Un total de 234 objetos que pudieran ser municiones fueron identificados en el lecho marino por las cámaras de video montadas en el equipo. La mayoría de estos objetos fueron identificados adyacentes al LIA y en el lecho marino en áreas con más de 90 porciento de lecho firme. Esta información, junto con la información de EADA, indica que la mayoría de las anomalías identificadas probablemente se encuentren dentro del sedimento debajo del fondo marino.

La información obtenida en el WAA será utilizada para planificar futuras actividades en UXO 16, incluyendo la asignación de prioridades a aquellas áreas que ameriten investigación adicional o acciones de remoción/remediación, el desarrollo de enfoques de investigación, la identificación de tecnologías para usarse potencialmente en investigaciones y acciones de remoción/remediación futuras, la creación de un banco de datos base para uso potencial en controles sobre el uso de terrenos y monitoreos a largo plazo asociados en el futuro, y para el desarrollo de una Evaluación Biológica Programática que analice los efectos potenciales de investigaciones y acciones futuras sobre especies incluidas en la Ley Federal de Especies en Peligro o los hábitats críticos designados.

NOTA: ESTE RESUMEN SE PRESENTA EN INGLÉS Y EN ESPAÑOL PARA LA CONVENIENCIA DEL LECTOR. SE HAN HECHO TODOS LOS ESFUERZOS PARA QUE LA TRADUCCIÓN SEA PRECISA EN LO MÁS RAZONABLEMENTE POSIBLE. SIN EMBARGO, LOS LECTORES DEBEN ESTAR AL TANTO QUE EL TEXTO EN INGLÉS ES LA VERSIÓN OFICIAL.

\\BROOKSIDEFILES\GIS_SHARE\ENBG\00_PROJ\N\NAVY\CLEAN\LANT\VIEQUES\MAPFILES\UXO_16_WAA\FIGURE_ES-1-REGIONALLOCATIONMAP.MXD JC022053 9/4/2018 4:31:11 PM

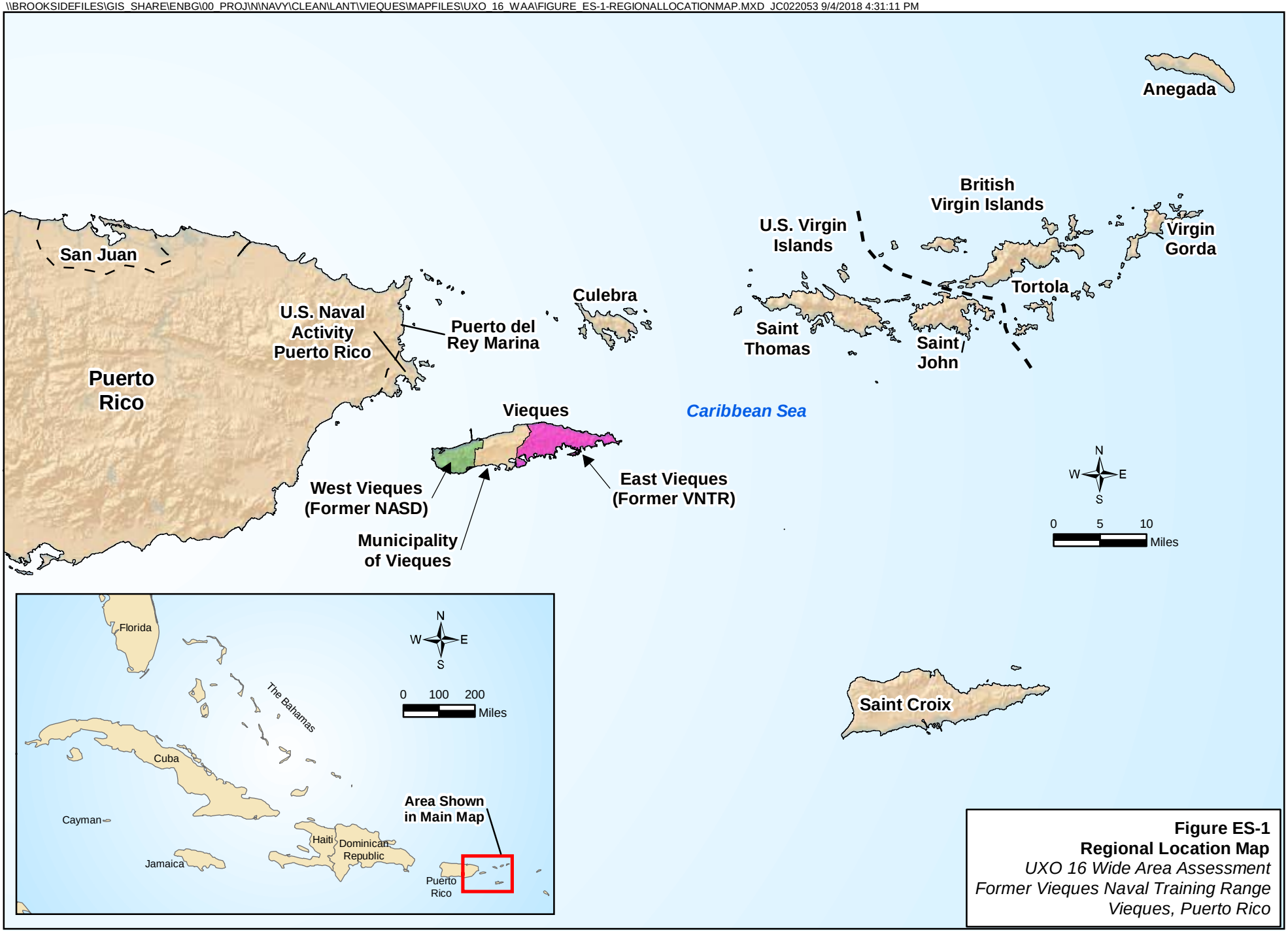
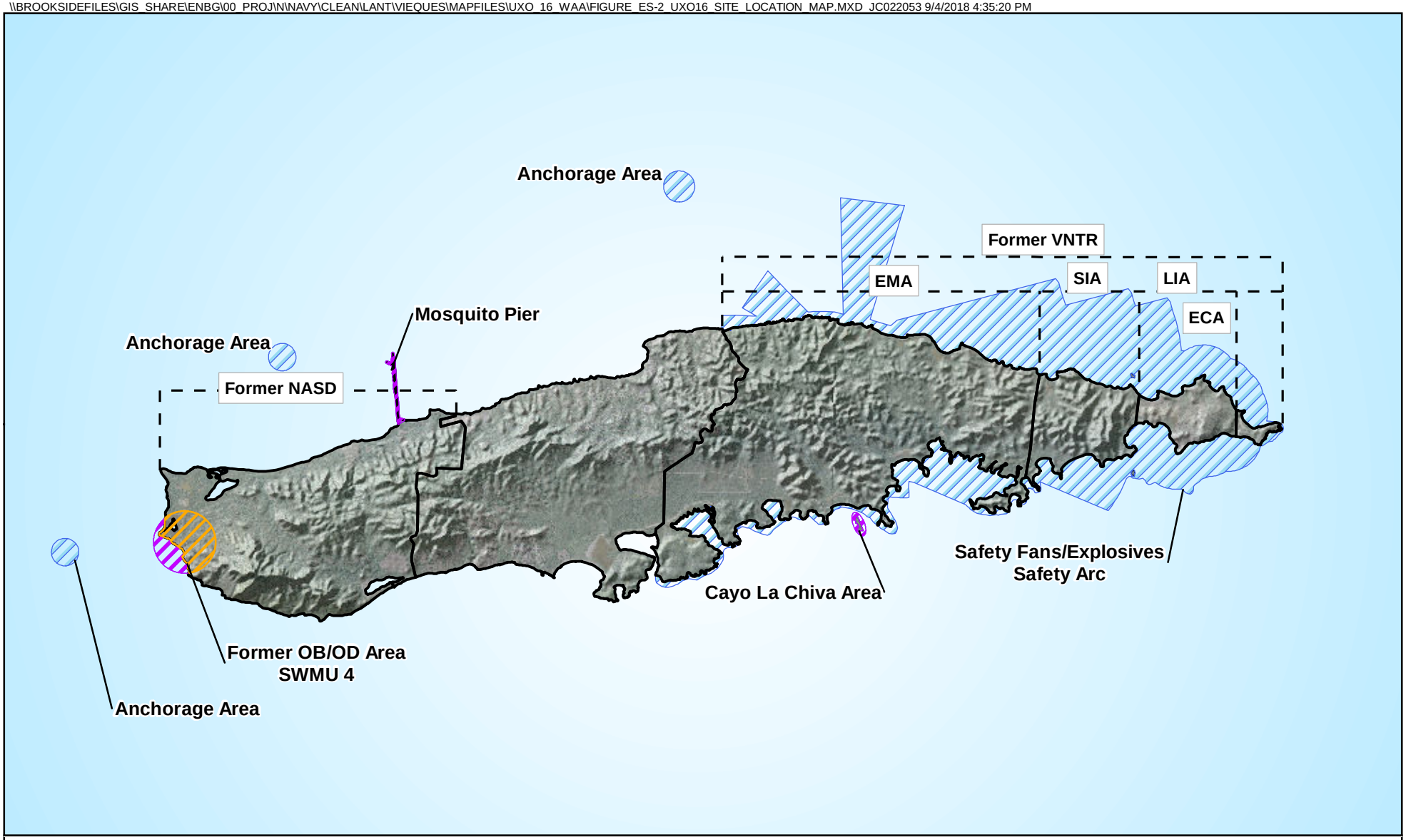


Figure ES-1
Regional Location Map
UXO 16 Wide Area Assessment
Former Vieques Naval Training Range
Vieques, Puerto Rico

\\BROOKSIDEFILES\GIS_SHARE\ENBG\00_PROJ\N\NAVY\CLEAN\LANT\VIEQUES\MAPFILES\UXO_16_WAA\FIGURE_ES-2_UXO16_SITE_LOCATION_MAP.MXD JC022053 9/4/2018 4:35:20 PM



Legend

- SWMU 4
- Area addressed separately from this WAA
- UXO 16

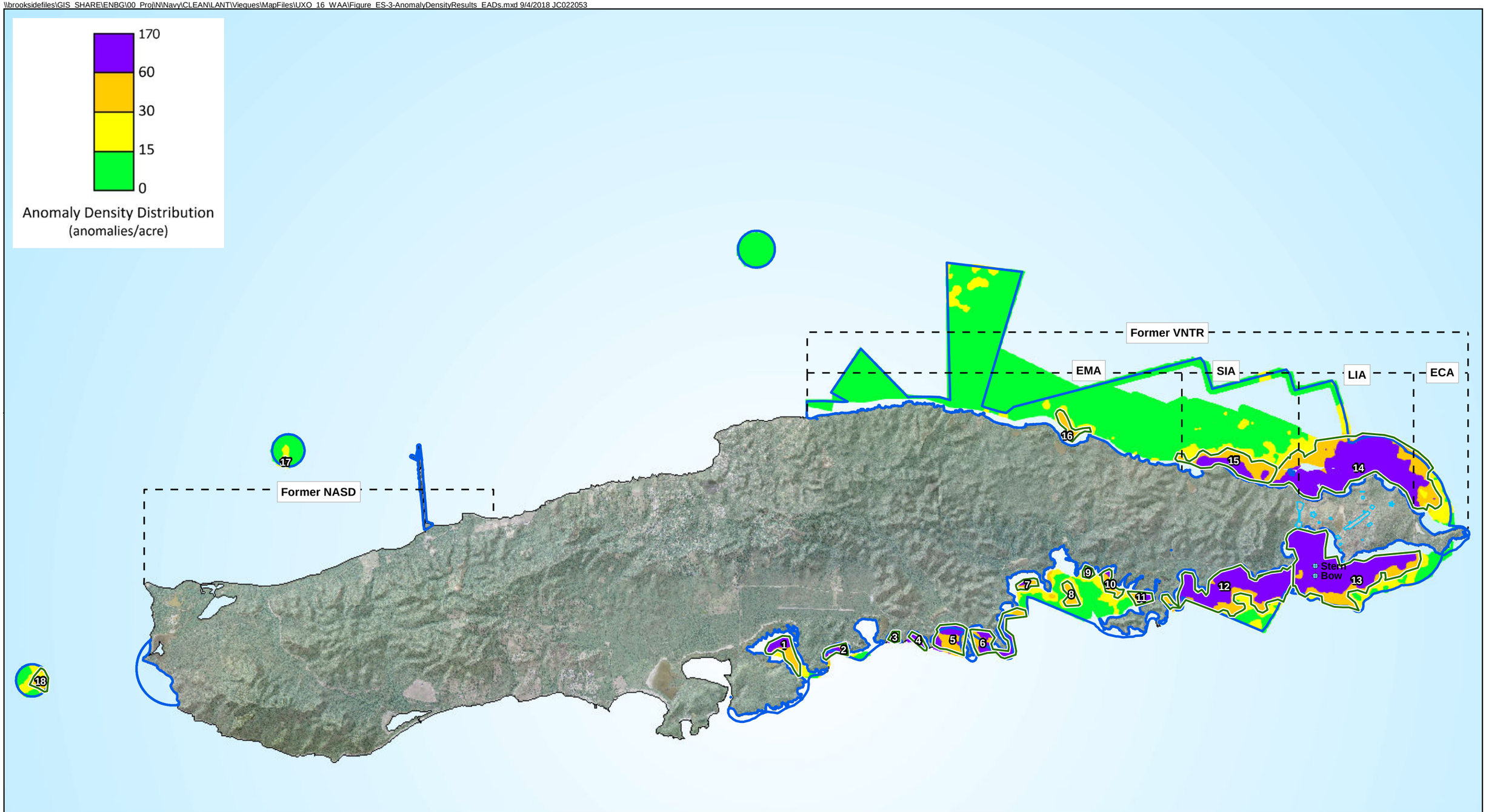
ECA - Eastern Conservation Area
EMA - Eastern Maneuver Area
SIA - Surface Impact Area
LIA - Live Impact Area

N
W E
S

0 1.25 2.5
Miles

Figure ES-2
UXO 16 Site Location Map
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\brooksidefiles\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Figure_ES-3-AnomalyDensityResults_EADs.mxd 9/4/2018 JC022053



Legend

- USS Killen Wreck
- Underwater Elevated Anomaly Density Area
- UXO 16
- Target Area

N
W E
S

0 2,500 5,000 7,500
Feet

Figure ES-3
Anomaly Density Results and Elevated Anomaly Density Areas
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

Contents

Executive Summary ..... **iii**

Resumen Ejecutivo ..... **v**

Acronyms and Abbreviations ..... **ix**

1 Introduction **1-1**
1.1 Objectives and General Approach 1-1
1.2 Site Background 1-2
1.2.1 Former Naval Ammunition Support Detachment and Vieques Naval Training Range 1-2
1.2.2 UXO 16 1-3
1.3 Previous Investigations and Actions 1-4

2 Summary of Wide Area Assessment Field Activities **2-1**
2.1 Technology Description 2-1
2.1.1 Magnetometer Array 2-1
2.1.2 Positioning 2-1
2.1.3 Video 2-2
2.2 Survey Design 2-2
2.3 Survey Approach and Data Collection 2-2
2.4 Data Processing 2-4
2.4.1 Quality Control 2-4

3 Summary of Wide Area Assessment Results **3-1**
3.1 Elevated Anomaly Density Areas 3-1
3.2 Video Observations 3-1
3.3 Conceptual Site Model 3-2
3.3.1 Release History 3-2
3.3.2 Physical Characteristics 3-2
3.3.3 Potential Munition Transport Pathways 3-4
3.3.4 Future Land Use and Potential Receptors 3-4
3.3.5 Evaluation of Wide Area Assessment Results 3-4

4 Summary and Conclusions of the Wide Area Assessment **4-1**
4.1 Summary of Wide Area Assessment 4-1
4.2 Conclusions of Wide Area Assessment 4-1
4.3 Wide Area Assessment Data and Technology Use 4-2

5 References **5-1**

Appendixes (provided on CD only)

A Digital Geophysical Mapping Survey Technical Report
B Survey Transect Log and Associated Figures
C Contractor Quality Control Reports, Production Reports, and Preparatory Phase Checklists
D VSP Geostatistical Estimation of Anomaly Density
E Sea Turtle Sighting Documentation
F Responses to Regulator Comments

Tables

1-1 Previous UXO 16 Site Investigations and Actions

2-1 UXO 16 WAA Measurement Quality Objectives
2-2 UXO 16 WAA Measurement Performance Criteria

3-1 Summary of UXO 16 EADAs

Figures

ES-1 Regional Location Map
ES-2 UXO 16 Site Location Map
ES-3 Anomaly Density Results and Elevated Anomaly Density Areas

1-1 Regional Location Map
1-2 UXO 16 Site Location Map
1-3 UXO 16 Actual Survey Extent
1-4 UXO Sites and Former Military Operations
1-5 UXO 16 Conceptual Site Model - West
1-6 UXO 16 Conceptual Site Model - East

2-1 Magnetometer array being towed over a section of seagrass
2-2 Depth Control Illustration
2-3 Conceptual Survey Area - West
2-4 Conceptual Survey Area - East
2-5 Planned Survey Transects - West
2-6 Planned Survey Transects - East
2-7 Final Survey Transects - West
2-8 Final Survey Transects - East
2-9 Total Magnetic Field versus Analytic Signal Example

3-1 Anomaly Density Results and Elevated Anomaly Density Areas
3-2 Potential Munitions Observed During WAA Survey
3-3 Comparison of Underwater and Aerial Magnetometer Surveys
3-4 Comparison of WAA Results with Terrestrial Total Items Identified – VNTR and NASD
3-5 Comparison of WAA Results with Terrestrial Total Items Identified – SIA/LIA/EMA
3-6 Comparison of WAA Results with Terrestrial Total Items Identified – EMA North
3-7 Comparison of WAA Results with Terrestrial Total Items Identified – EMA South
3-8 Comparison of WAA Results with Terrestrial MEC Identified
3-9 Comparison of Potential Munitions Observed During WAA to Seafloor Hardbottom Areas

Acronyms and Abbreviations

AFWTA	Atlantic Fleet Weapons Training Area
AS	analytic signal
ASI	Aqua Survey, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CLEAN	Comprehensive Long-term Environmental Action–Navy
CSM	Conceptual Site Model
DGM	digital geophysical mapping
DOI	Department of the Interior
EADA	elevated anomaly density area
ECA	Eastern Conservation Area
EMA	Eastern Maneuver Area
EPA	Environmental Protection Agency
GPS	global positioning system
IVS	instrument verification strip
LIA	Live Impact Area
MEC	munitions and explosives of concern
mm	millimeter(s)
MPC	measurement performance criteria
MQO	measurement quality objectives
NASD	Naval Ammunition Support Detachment
NAVFAC	Naval Facilities Engineering Command
Navy	Department of the Navy
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priority List
nT	nanotesla
NTCRA	Non-Time-Critical Removal Action
OB/OD	open burn/open detonation
PRDNER	Puerto Rico Department of Natural and Environmental Resources
PREQB	Puerto Rico Environmental Quality Board
QAPP	Quality Assurance Project Plan
RI	Remedial Investigation
RTK GPS	real time kinematic global positioning system
SIA	Surface Impact Area
SWMU	Solid Waste Management Unit
TMF	total magnetic field
TOI	target of interest
USFWS	United States Fish and Wildlife Service

VNTR	Vieques Naval Training Range
VNWR	Vieques National Wildlife Refuge
VSP	Visual Sample Plan
WAA	Wide Area Assessment

SECTION 1

Introduction

This Wide Area Assessment (WAA) report presents the findings, conclusions, and recommendations of the WAA performed at UXO 16, located offshore of the former Naval Ammunition Support Detachment (NASD) and the former Vieques Naval Training Range (VNTR) in Vieques, Puerto Rico (**Figures 1-1 and 1-2**). The WAA is the first step in a phased Remedial Investigation (RI) of UXO 16 for the nature and extent of munitions and munitions-related items.

This report was prepared under the United States Department of the Navy (Navy) Comprehensive Long-term Environmental Action–Navy (CLEAN) Contract N62470-16-D-9000, Contract Task Order 0004, for submittal to Naval Facilities Engineering Command (NAVFAC) Atlantic, United States Environmental Protection Agency (EPA) Region 2, the Commonwealth of Puerto Rico Environmental Quality Board (PREQB), the Commonwealth of Puerto Rico Department of Natural and Environmental Resources (PRDNER), and the United States Fish and Wildlife Services (USFWS). The Navy, EPA, PREQB, PRDNER, and USFWS work jointly to implement the Environmental Restoration Program.

1.1 Objectives and General Approach

As noted above, the WAA is the initial, broad evaluation of the nature and extent of potential munitions within UXO 16. As such, the primary objective was to determine the presence and distribution of elevated anomaly density areas (EADAs) across UXO 16; EADAs are concentrated areas of metallic objects that may represent munitions. The WAA findings will be used to aid in the decision-making process and planning for future investigations and munitions response actions, as applicable, for UXO 16.

Underwater digital geophysical mapping (DGM) was used to determine the locations with high densities of potential munitions and the relative density distribution across and between the EADAs. This is an important step in the overall RI process in order to prioritize areas for more focused follow-up investigations/actions.

Another objective of the WAA was to collect information that can be used in preparing a programmatic underwater biological assessment and/or protocols to ensure protection of key marine species and habitats during follow-up focused investigations and actions.

In accordance with the UXO 16 Wide Area Assessment Work Plan (CH2M, 2015), the WAA approach used a towed cesium vapor magnetometer array to measure distortion of the Earth's magnetic field in proximity to metallic (ferrous) objects, such as munitions items. The magnetometer survey mapped anomalies in the magnetic field to provide locations of elevated anomaly density areas indicative of large clusters of metallic objects on or beneath the seafloor. The magnetometer survey was performed along transects with approximately 330-foot (100-meter [m]) spacing throughout UXO 16, modified as necessary based on real-time observations. The area surveyed within UXO 16 is shown in **Figure 1-3**. In addition, video cameras were mounted on the magnetometer array to visually characterize the seafloor with respect to the bottom types and benthic habitat across UXO 16, as well as identify objects on the seafloor that are potential munitions.

In order to minimize impacts to benthic habitats and species, the WAA methodology was designed to avoid direct contact with the seafloor as well as potential munitions. Based on this, the general approach of the UXO 16 WAA was as follows:

- Incorporate information about the physical seafloor conditions using existing bathymetry data
- Incorporate existing remote sensing data (such as side scan sonar) used to characterize underwater structures and water depth
- Perform near-seafloor surveys using a transect approach to delineate density distribution of potential munitions as well as characterize benthic habitats

Details of the technical approach are provided in the WAA Work Plan (CH2M, 2015) and Section 2 of this report.

1.2 Site Background

Vieques is located in the Caribbean Sea approximately 7 miles southeast of the eastern tip of the main island of Puerto Rico and 20 miles southwest of St. Thomas, United States Virgin Islands (**Figure 1-1**). Vieques is approximately 20 miles long and 4.5 miles wide, and has an area of approximately 33,088 acres (51 square miles).

The Navy purchased large portions of Vieques in the early 1940s to conduct activities related to military training. The former Atlantic Fleet Weapons Training Area (AFWTA) was historically divided into two portions – the NASD and VNTR. Site operations on the western end of Vieques (former NASD) consisted mainly of ammunition loading and storage, vehicle and facility maintenance, and open burn/open detonation (OB/OD). The eastern end of Vieques (former VNTR) was used for various aspects of naval gunfire training, including air-to-ground ordnance delivery and amphibious landings, as well as housing the main base of operations for these activities, Camp Garcia.

The former NASD was apportioned and transferred to the Department of the Interior (DOI), the Municipality of Vieques, and the Puerto Rico Conservation Trust in 2001, in accordance with Public Law 106-398. The property owned by DOI is managed by USFWS as part of the Vieques National Wildlife Refuge (VNWR). The former VNTR was transferred to DOI to be operated by USFWS as part of the VNWR in 2003, in accordance with Public Law 107-107. The offshore territorial waters are under the jurisdiction of the Commonwealth of Puerto Rico and extend 9 nautical miles from the coast of Vieques.

On February 11, 2005, Vieques was placed on the National Priority List (NPL) as the former AFWTA - Vieques, which required all subsequent environmental restoration activities for Navy Installation Restoration sites on Vieques to be conducted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) unless and until removed from CERCLA authority. The Navy, DOI, EPA, and PREQB executed a Federal Facility Agreement on September 7, 2007 that established the procedural framework and schedule for implementing the CERCLA response actions for Vieques.

1.2.1 Former Naval Ammunition Support Detachment and Vieques Naval Training Range

The former NASD consists of approximately 8,100 acres (**Figure 1-2**). Solid Waste Management Unit (SWMU) 4, which was formerly used as an OB/OD area for the thermal destruction and open detonation of retrograde and surplus munitions, fuels, and propellants, is located within the western portion of the former NASD.

The former VNTR consists of approximately 14,600 acres and is divided into four separate operational areas that from west to east comprise the 11,000-acre Eastern Maneuver Area (EMA), the 2,500-acre Surface Impact Area (SIA), the 900-acre Live Impact Area (LIA), and the 200-acre Eastern Conservation Area (ECA), as shown in **Figures 1-2 and 1-4**.

- EMA – established in 1947 to provide military maneuvering areas and ranges for training in amphibious landings, small arms fire, artillery and tank fire, shore fire control, and combat engineering tasks. The ranges located in the northern portion of the EMA were used for the following activities: small arms ranges (Range 1 and 2), Rifle Grenade Range (Range 3), Rocket Range (Range 4), and Grenade Range (Range 5).
- SIA – established in the 1950s when several Marine artillery targets were constructed; in 1969, a bullseye target was constructed and used for inert bombing.
- LIA – established in 1965, where several targets were maintained for aerial bombing including old tanks and vehicles, a simulated railroad tunnel, simulated ammunition dump, simulated fuel farm, a simulated airstrip, two simulated surface-to-air missile sites, and a strafing target; several point and area targets were used for ships to practice naval gunfire support; one bullseye target used for inert bombing; and an OB/OD area was used for treatment of retrograde ordnance and open burning of propellants and pyrotechnics.
- ECA – established as a conservation area and not used as an operational area for munitions; however, the site is located adjacent to the LIA.

Following cessation of military operations on the former NASD and VNTR, the Navy subdivided the former operational areas into smaller parcels based on considerations such as historic use, geographic features, and land use. The parcels, referred to as UXO sites, were delineated in such a way to make them more manageable for the purposes of prioritization, munitions removal, site characterization, and decision making (**Figure 1-4**).

1.2.2 UXO 16

UXO 16 comprises approximately 11,500 acres in the waters surrounding the former VNTR and NASD where the Navy historically conducted operations (**Figures 1-2 and 1-4**). The current UXO 16 site boundary was defined in the Federal Register on August 13, 2004 (Federal Register, 2004), in a letter from PREQB to the EPA dated May 26, 2004 (Cotto), and in the Vieques Site Management Plan (CH2M, 2014b). The following summarizes each of the component areas of UXO 16. **Figures 1-5 and 1-6** present the Conceptual Site Model (CSM). The historical site operations and the naval gunfire support targets shown conceptually illustrate site operations and impacted areas.

Anchorage Areas

Navy ships containing munitions used during the training activities at the former AFWTA would temporarily anchor at three anchoring locations in the Vieques Passage and Vieques Sound while waiting to be unloaded (**Figure 1-2**). When the anchorage areas were operational, explosives in quantities no greater than 1,625 short tons were handled in any area at one time.

The boundary of each anchorage area was defined by the area in which the ammunition supply ship would rotate around a single anchorage point. Each anchorage area radius was established using the depth of water, the ship horizontal offset from its anchor line, the length of the largest ammunition supply ship, and a distance buffer from the designated anchorage point (NOSSA, 2004). The two westernmost anchorage areas were defined with a maximum radius of 440 yards and the other anchorage area with a maximum radius of 500 yards.

Mosquito Pier

Mosquito Pier was used for loading and unloading ordnance from Navy ships. This area includes a 100-foot radius around the perimeter of the pier to account for any munitions that may have been dropped during loading and unloading (**Figure 1-2**). This area is being addressed separately and was therefore not included in the WAA.

Offshore of SWMU 4

The explosives safety arc of the OB/OD operations at SWMU 4 extends approximately 2,000 feet offshore to the west of the former OB/OD area; the offshore area is part of UXO 16 (**Figure 1-2**). This area is part of an ongoing Remedial Investigation/Feasibility Study and therefore was not included in the WAA.

Explosives Safety Arcs and Artillery Safety Fans adjacent to the Former VNTR

A series of explosives safety arcs and artillery safety fans associated with the historical ranges, gun emplacements, and OB/OD area were developed for the former VNTR as part of the Vieques Land Use Plan (Navy, 1999) and the Preliminary Range Assessment (NAVFAC, 2003). The safety fans provide an estimate of the lateral extent of the potential munitions impact area extending from the ranges and artillery gun positions. The areas where the explosives safety arcs and artillery safety fans extend offshore of the former VNTR are shown in **Figure 1-4**.

The explosives safety arc provides a maximum primary fragment distance (3,219 feet as measured from the shoreline) for an MK 83 high explosive filled bomb, primarily in the area of the LIA (**Figure 1-4**). This area also includes documented water hits based on air-to-ground bombing and naval gunfire support rounds that were recorded by the Navy (Navy, 1999). From 1989 to 1999, a total of 811 munitions were observed entering the water. Following 1999, all air-to-ground bombing (25-pound practice bombs [MK 76] to 1,000 pound bombs [MK 83] and naval gunfire support rounds [5-inch projectiles]) were non-explosive.

The marine artillery fans from former gun positions were based on 175-millimeter (mm) marine artillery fire (**Figure 1-4**). The area of the safety fans is based on historical ordnance use records and the projected safety fans documented in the Preliminary Range Assessment Report (NAVFAC, 2003).

Other Offshore Areas

As a conservative measure, all offshore areas to a depth of 10 feet surrounding the former VNTR were included as part of UXO 16 (**Figure 1-4**). The majority of this area is contained within the safety arcs and fans previously described; outside of these areas, coverage is primarily along the southern portion of Vieques from Puerto Ferro to the eastern portion of Playa La Chiva (Blue Beach), as well as the eastern tip of the ECA.

Cayo La Chiva

Cayo La Chiva (UXO 18) is a 12-acre island located south of the EMA (**Figure 1-4**). A simulated machine gun nest was located on Cayo La Chiva during Operation Portrex conducted in 1950 (Sibert, 1993). No additional training activities are documented to have occurred in the UXO 18 area; however, fired 5-inch rockets were identified both on and offshore of Cayo La Chiva, which indicates the area may have been used for live fire training, albeit potentially in a single event. The offshore munitions were removed under a separate non-time-critical removal action (NTCRA). Specific details associated with the removal can be found in the After Action Report (CH2M, 2017).

1.3 Previous Investigations and Actions

A summary of the previous investigations and interim actions conducted within UXO 16 (portions of the site addressed by this WAA) are summarized in **Table 1-1**.

TABLE 1-1
Previous UXO 16 Site Investigations and Actions

Date	Site Investigation/Action	Description
2006 - 2007	Side Scan Sonar Pilot Test and Underwater Magnetometer Survey	Joint pilot test using high resolution side scan and multibeam sonar to identify the distribution of potential munitions and obstructions in Bahía Salina del Sur and Bahía Icacos and to verify selected items with an ROV. Additionally, a marine-towed array pilot study was conducted within Bahiá Salinas del Sur. Underwater visual surveys of select anomalies were performed by divers and/or ROVs (NOAA, 2007; GMI, 2007; SAIC, 2009).
2008	Aerial Magnetometer Survey	An aerial magnetometer survey was conducted over the terrestrial portion of the VNTR and nearshore areas, which identified 12 EADAs present wholly or partially in the water (Sky, 2009).
2009	ROV Pilot Test	A miniature ROV survey was performed within Bahiá Salinas to locate items on the seafloor from previous geophysical surveys. Additional ROV surveys were performed offshore of UXO 15, at the three anchorage areas, Bahiá Icacos, and Bahiá Salina Del Sur (USAE, 2012).
2003 and 2010	Navy Explosive Ordnance Disposal Diver Surveys	Navy EOD divers conducted visual surveys to identify locations of underwater munitions. No munitions were found at Blue Beach and Red Beach in 2003. In 2010, additional surveys were conducted at Puerto Diablo, within Bahiá de la Chiva, and at UXO 15, during which munitions items were identified at all sites except for UXO 15.
2012	Underwater Munitions Mobility Monitoring	An Environmental Security Technology Certification Program demonstration project was performed to model munitions migration within Bahiá Salinas and Bahiá Salina del Sur. Field measurements with munitions surrogates confirmed the modeling results.
2013 - 2014	Bathymetry Data Review and Side Scan Sonar Survey	Existing bathymetry data throughout UXO 16 were reviewed. Additionally, a side scan sonar survey was conducted across UXO 16 to identify potential underwater obstacles and environmentally sensitive areas (CH2M, 2015).
2014 - 2017	Beach Dynamics Investigation	A beach dynamics investigation was initiated in 2014 that included surveys to evaluate relative beach and nearshore elevation changes and nearshore tracking of munitions surrogates (CH2M, 2014a).
2016	Polar Organic Chemical Integrative Sampler	In 2016, a field demonstration of the POCIS was performed in Bahia Salina del Sur. During the field demonstration, these passive sampling devices were deployed adjacent to 15 munitions items on the seafloor.

Notes:

EOD = explosive ordnance disposal
POCIS = Polar Organic Chemical Integrative Sampler
ROV = remotely operated vehicle

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\N\NAVY\CLEAN\LANT\VIEQUES\MAPFILES\UXO_16_WAA\FIGURE_1-1-REGIONALLOCATIONMAP.MXD JC022053 12/7/2017 10:25:29 AM

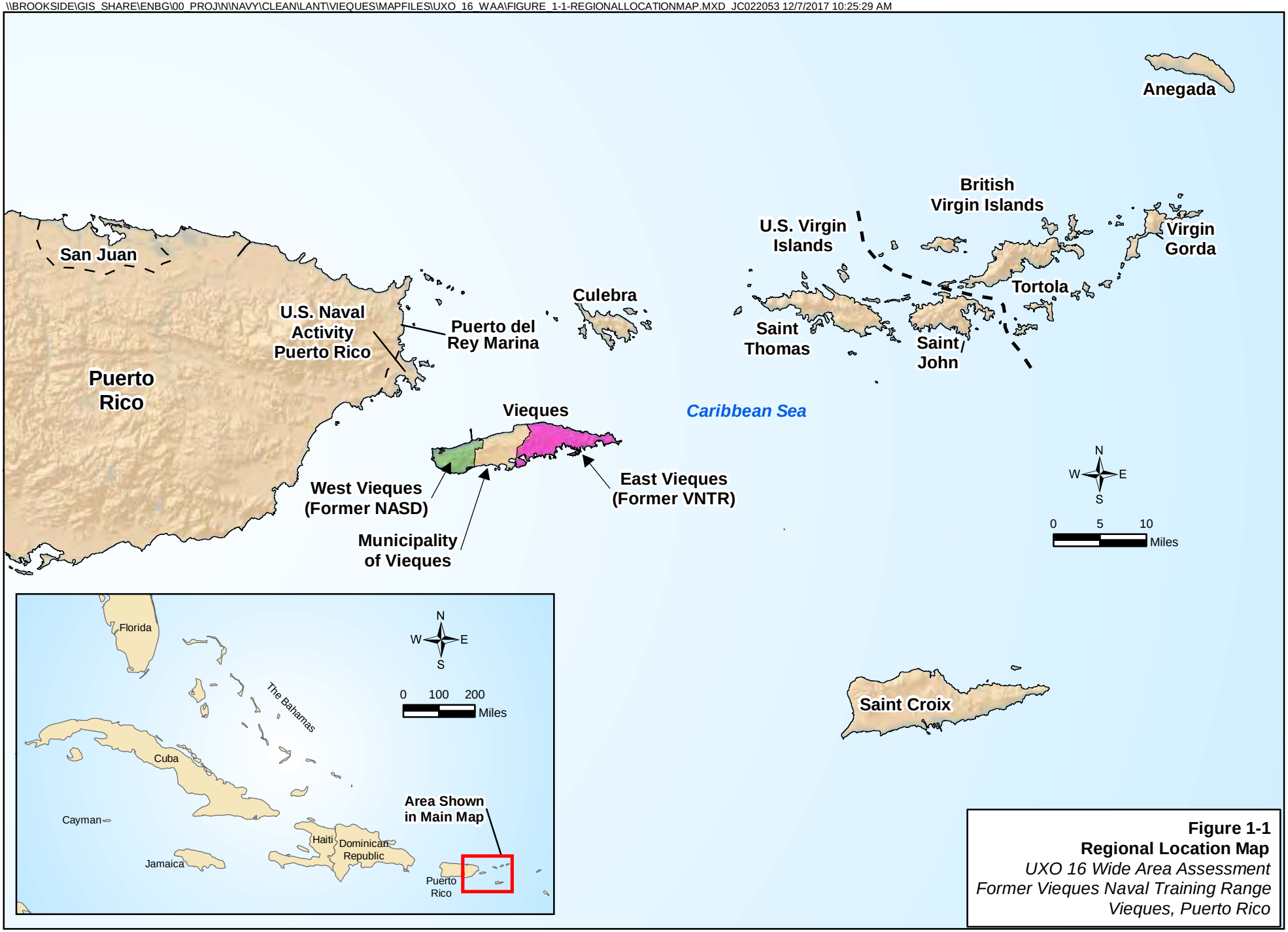
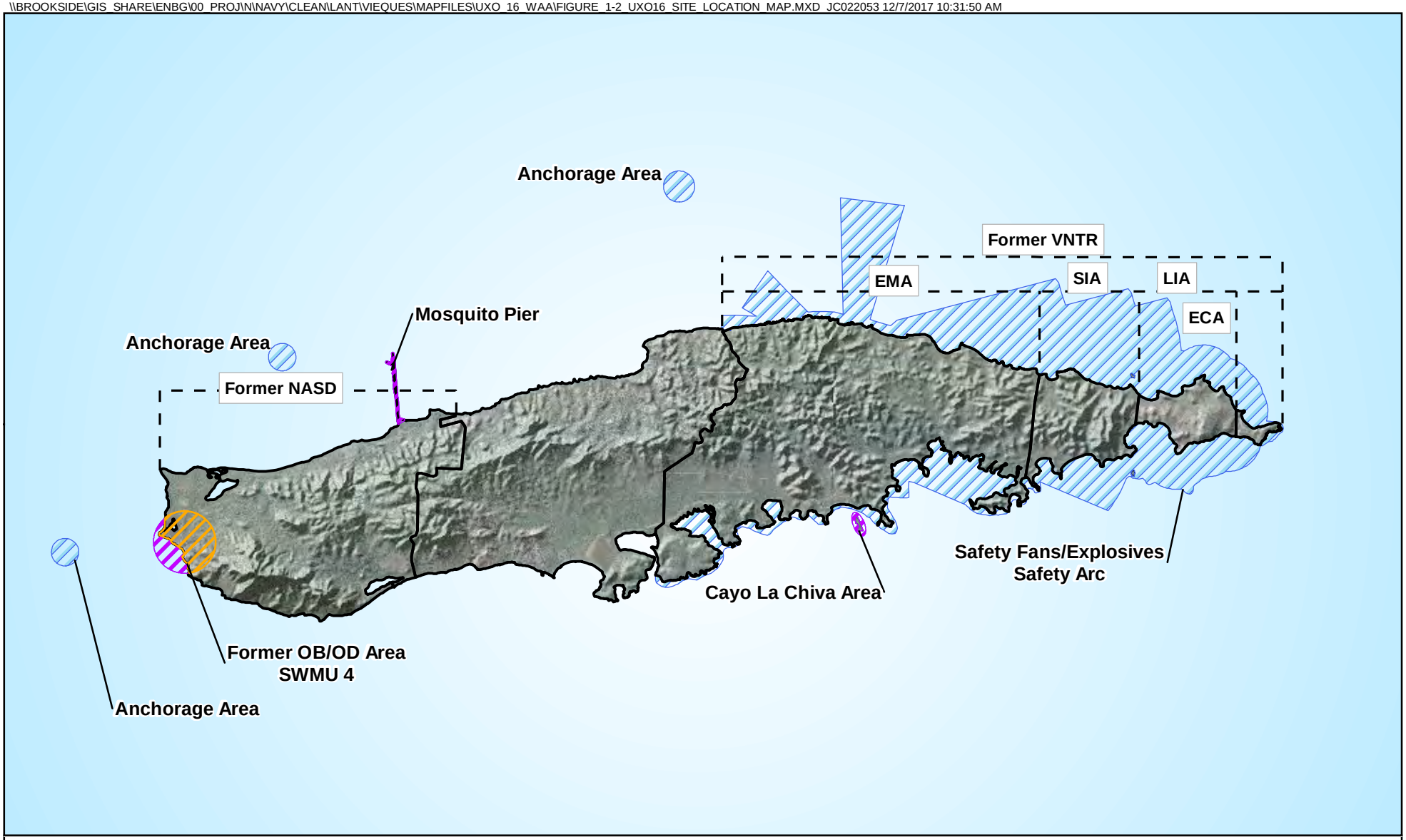


Figure 1-1
Regional Location Map
UXO 16 Wide Area Assessment
Former Vieques Naval Training Range
Vieques, Puerto Rico



Legend

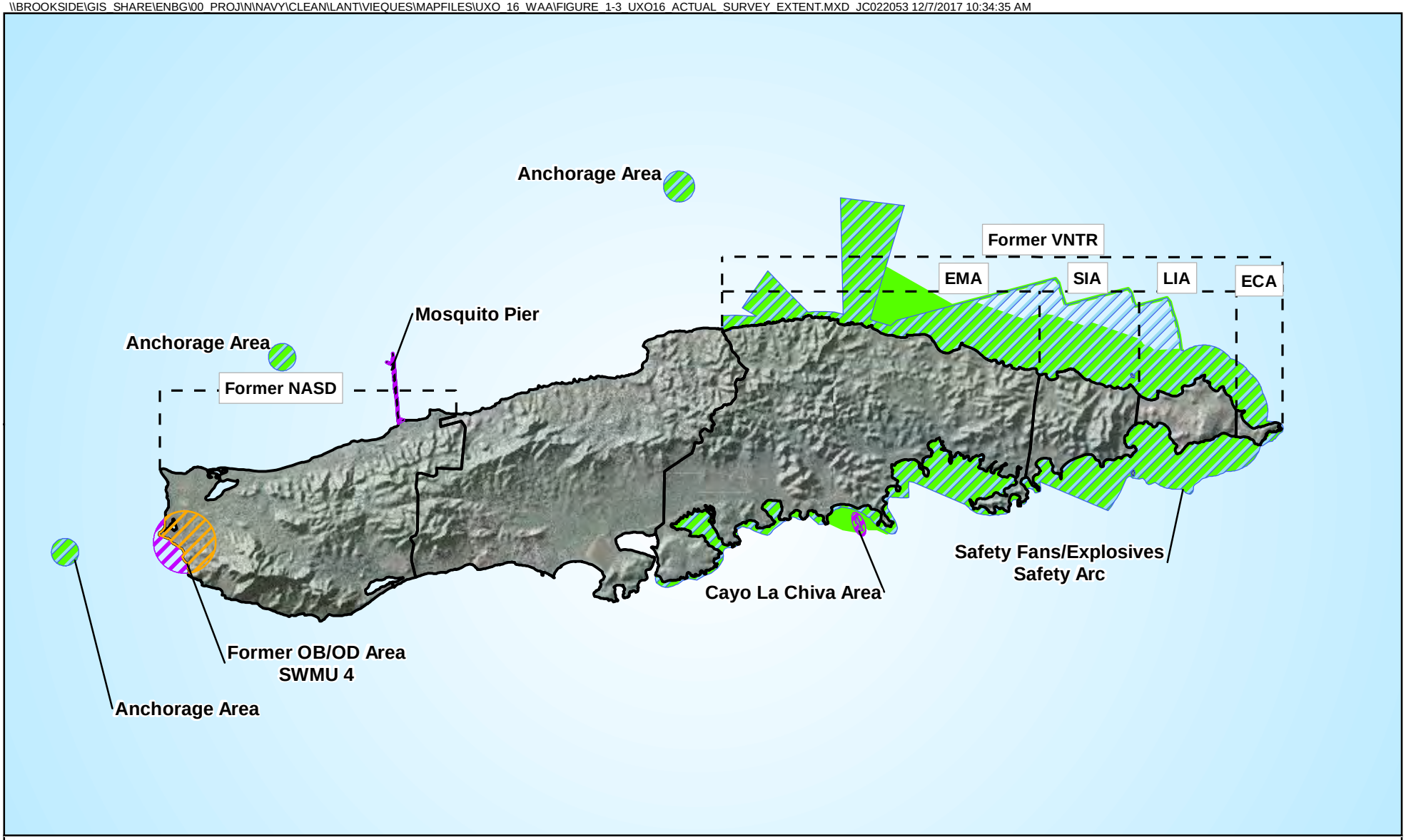
- SWMU 4
- Area addressed separately from this WAA
- UXO 16

ECA - Eastern Conservation Area
EMA - Eastern Maneuver Area
SIA - Surface Impact Area
LIA - Live Impact Area

N
W E
S

0 1.25 2.5 Miles

Figure 1-2
UXO 16 Site Location Map
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

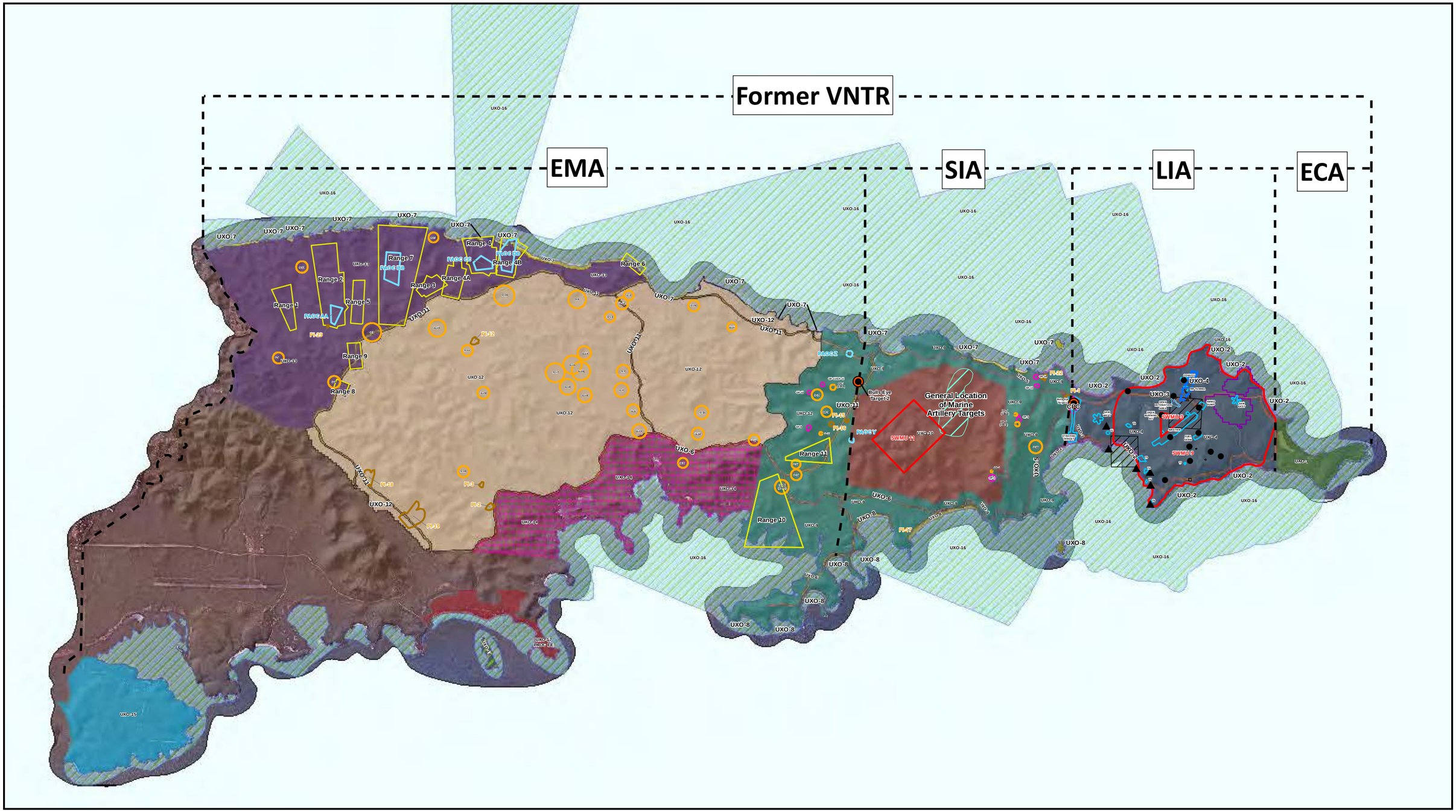
- Actual Survey Extent
- SWMU 4
- Area addressed separately from this WAA
- UXO 16

ECA - Eastern Conservation Area
SIA - Surface Impact Area
EMA - Eastern Maneuver Area
LIA - Live Impact Area

N
W E
S

0 1.25 2.5 Miles

Figure 1-3
UXO 16 Actual Survey Extent
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Historical Air-To-Ground (ATG) Target
Historical Naval Gunfire Support (NGFS) Target
Bulls Eye Target
Photo Identified Area
Preliminary Area of Concern
Solid Waste Management Unit
General Location of Marine Artillery Targets
North Convoy Target Area
LIDAR (Light Detection and Radar) Identified Target Feature
Central Processing Center
Gun Positions
Target Area
Observation Point
Range
Open Burn Pit
Open Detonation Area
Naval Gunfire Support (NGFS) Target Area
Submunitions Area

Munitions Response Sites

UXO 1 - ECA
UXO 2 - LIA Beaches
UXO 3 - LIA Roads
UXO 4 - LIA Interior
UXO 5 - SIA Restricted Roads
UXO 6 - EMA/SIA Public Roads
UXO 7 - EMA/SIA North Beaches
UXO 8 - SIA South Beaches
UXO 9 - SIA Exterior
UXO 10 - SIA Interior
UXO 11 - EMA Public Roads
UXO 12 - EMA Interior
UXO 13 - EMA West
UXO 14 - EMA South
UXO 15 - Puerto Ferro
UXO 16 -Underwater Areas
UXO 17 - PAOC-EE
UXO 18 - Cayo de la Chiva
Blue_Beach_Phase_1_Investigation_Area

Sources of Former Military Features:

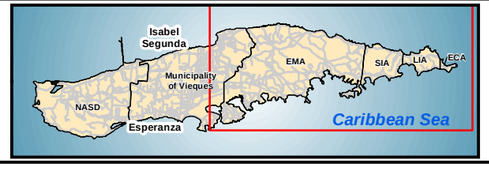
Ranges, Gun Positions, and Observation Points – Aerial Photographic Analysis by Environmental Research Inc. 2000 and the Environmental Impact Statement prepared by the Naval Facilities Engineering Command 1979.

Target Features – Environmental Impact Statement prepared by the Naval Facilities Engineering Command 1979 and by LIDAR/Orthophotography Survey by SKY Research Inc.

Submunitions Area – Area delineated by CH2MHILL based on high density of submunitions found.

Open Burning Pit and Open Detonation Area - Aerial Photographic Analysis by Environmental Research Inc. 2000.

2005 Aerial Imagery
2005 Hillshade

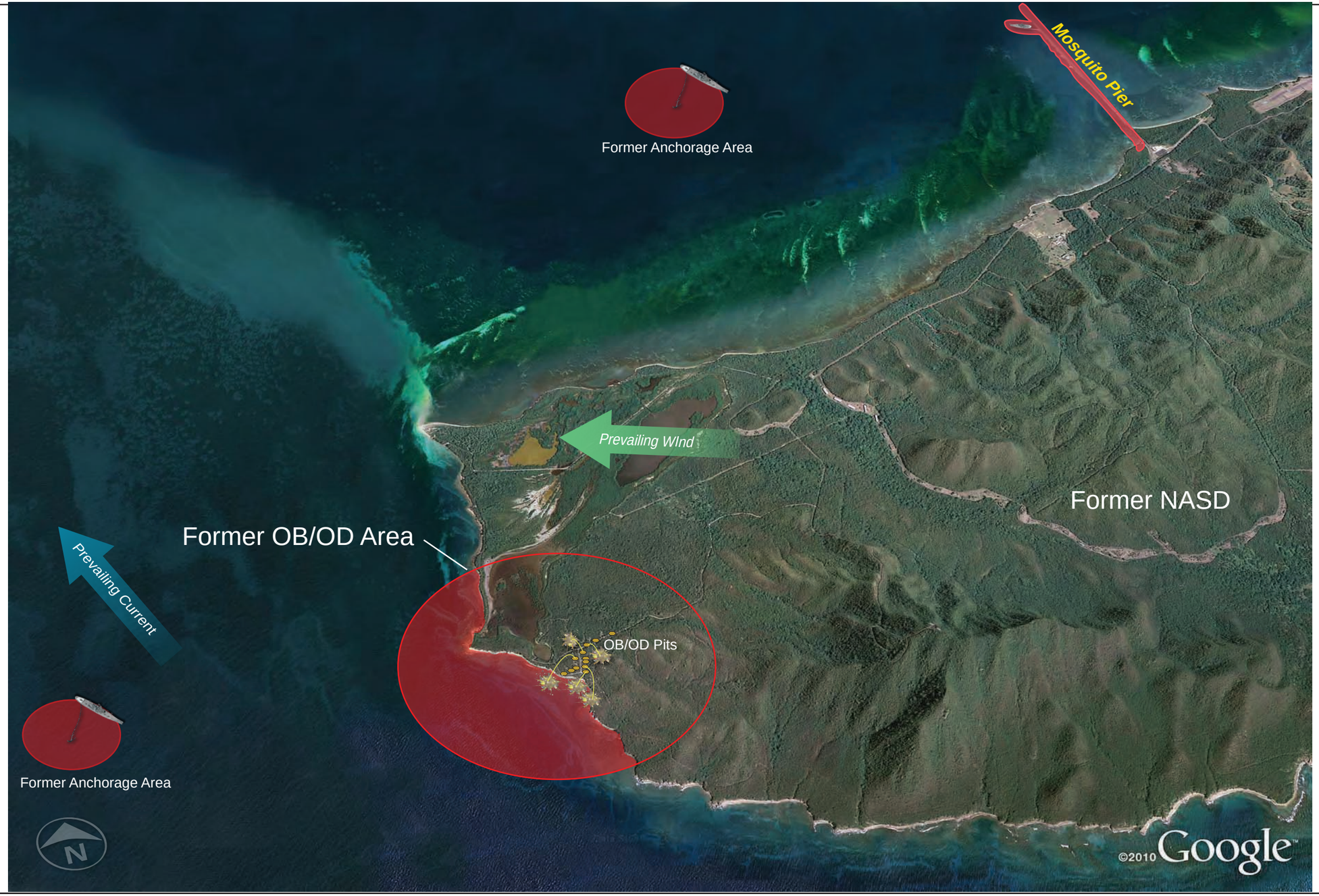


N
W E
S

0 0.4 0.8 Miles

Figure 1-4
UXO Sites and Former Military Operations
UXO 16 Wide Area Assessment
Former Vieques Naval Training Rrange
Vieques, Puerto Rico

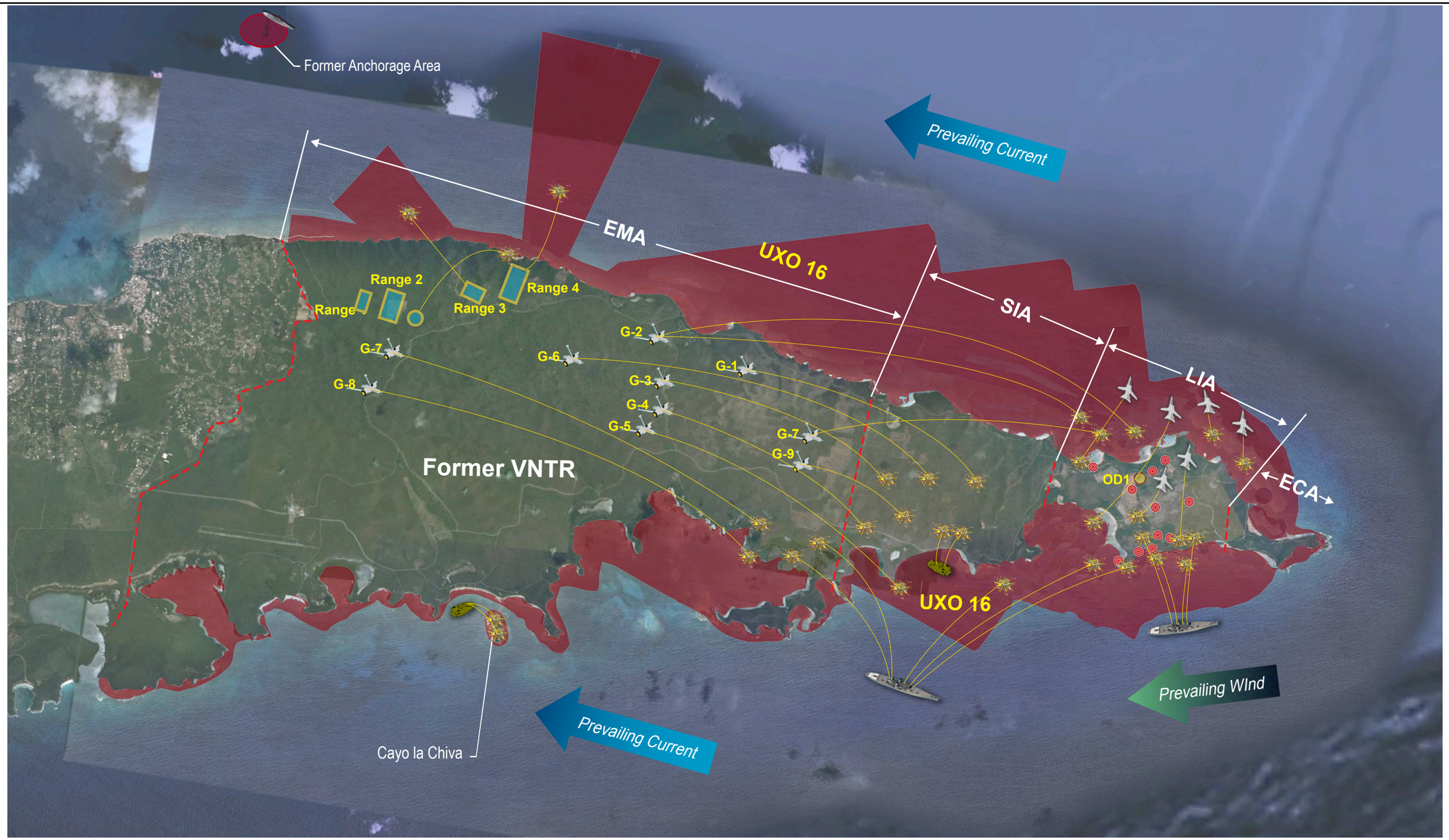
\\brookside\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Figure_1-4-Former Military Operations.mxd 10/17/2017 JC022053



LEGEND

UXO 16

Figure 1-5
UXO 16 Conceptual Site Model – West
Underwater Wide Area Assessment Report
Former NASD
Vieques, Puerto Rico



LEGEND

- Air-To-Ground (ATG) Target
- Naval Gunfire Support NGFS Target or Overshoot/Undershoot
- Gun Position
- OD Area
- Range
- Operational Area Boundary
- UXO 16
- Amphibious Vehicle
- Fighter/Bomber Plane

Figure 1-6
UXO 16 Conceptual Site Model – East
Underwater Wide Area Assessment Report
Former VNTR
Vieques, Puerto Rico

ES090814102429TPA Fig1-6_UXO16_CSM_Vieques_v3.ai 12.22.17 sls/bp

ch2m

SECTION 2

Summary of Wide Area Assessment Field Activities

This section describes the field activities that constitute the UXO 16 WAA. The detailed technical approach for the site is presented in the WAA Work Plan (CH2M, 2015). The DGM survey was conducted from March 8, 2016 to May 12, 2017 by Aqua Survey, Inc. (ASI, 2017) of Flemington, New Jersey; the subcontractor's technical survey report is included in **Appendix A**.

2.1 Technology Description

The survey was conducted using a custom marine magnetometer wing towed behind a survey vessel. The DGM data collection system hardware includes cesium vapor total field magnetometers, real time kinematic global positioning system (RTK GPS) units, altimeters, pressure sensors, motion sensors, an angle arm encoder, and a line length encoder.

2.1.1 Magnetometer Array

The marine magnetometer array ("wing") is constructed of high-density foam with a strong fiberglass exterior, making the sensor wing lightweight, durable, and nonmagnetic. The platform is equipped with five Geometrics G-882 cesium vapor magnetometers that are spaced 1 meter apart to detect the presence of ferrous metallic objects (**Figure 2-1**). This configuration provides a swath width of 6 meters along each transect, which were spaced approximately 100 meters apart, resulting in 6% coverage of the surveyed areas of UXO 16 (overall 4.3 % of the total area due to survey limitations discussed in Section 2.3). These magnetometers were used to measure localized distortions (anomalous responses) in the Earth's magnetic field caused by the presence of ferrous objects. The density distribution (anomalies per acre) of these anomalous responses were mapped and EADAs were then identified from the results.

The array is equipped with a center-mounted altimeter as well as pressure sensors mounted near each wing tip. Incorporated into the wing is a digital compass which supplies pitch, roll, and heading data for the array. Information from these instruments is displayed real-time for the survey crew as well as being recorded for later processing. Weights are attached to the wing keels as well as to the wing tips as ballast so the wing flies level while it is being towed.

The array is towed via braided line and controlled with a high-speed electric winch. The tow line is fed through a pulley with a line length encoder which displays and records the length of deployed tow cable to within a millimeter. After exiting the pulley, the line is fed to a pivoting arm which is equipped with an angle encoder to show the horizontal angle at which the array is being towed behind the survey vessel.

Depth control is accomplished using a combination of a variable weight system mounted on the tow line in front of the wing and by varying the tow line length. The vertical tow angle is determined by the combination of hydraulic drag and the weight of the towed body (**Figure 2-2**). Coarse control of the wing depth is accomplished by modifying the vertical tow angle via changes to the weights mounted on the tow line in front of the wing. The appropriate weight is determined prior to the survey based upon the anticipated water depth, with deeper water/ tow depth requiring more weight (to steepen the tow angle as well as counteract additional drag due to a longer tow cable). Fine control of the wing depth is accomplished by varying the line length. The line length is varied during data acquisition to maintain the appropriate survey altitude above the seafloor.

2.1.2 Positioning

Positioning of the geophysical data was accomplished by translation of the topside RTK GPS antenna position to each magnetometer measurement. Two topside RTK GPS units are used to provide the vessel azimuth and the position of the tow point. The tow angle is measured with an angle encoder and the tow line length is measured with a line length encoder. These measurements, combined with the array depth, and attitude (pitch, roll and yaw), overall system geometry, and precise time stamping of the various measurements provide the basis for

positioning of each sensor measurement. The resulting positional accuracy accounting for the combined measurement errors of the various inputs was approximately 4.5 feet.

2.1.3 Video

Two separate underwater video systems were used during data acquisition to visually characterize the seafloor with respect to the bottom types and benthic habitat across UXO 16 as well as identify objects on the seafloor that are potential munitions. A GoPro Hero 4 Black equipped with a high-capacity battery was mounted to the bottom of the right side of the wing in front of the array. It has a wide field of view and was set to record data in high-definition at 60 frames per second which allows for generally clear images when paused during data review. Mounted to the left side of the wing was a high-definition drop camera which sends real-time video information to the survey vessel. Data from the drop camera was also recorded as a backup for the GoPro in case there was an issue such as the GoPro housing leaking or failure of the battery.

2.2 Survey Design

The WAA survey design is detailed in the UXO 16 Wide Area Assessment Work Plan (CH2M, 2015); however, a summary of the details of the design are summarized below.

The WAA for UXO 16 is the first step in a phased, iterative approach. The results of the WAA will be used to guide the planning for the next phase. WAA surveys are designed to look for EADAs, indicating a possible concentration of targets of interest (TOI) as well as to provide general background density information that can be used to inform the planning process for future investigations. The WAA survey results will be used to identify and delineate EADAs to aid with future investigations of UXO 16 and to help prioritize areas within the site for further investigation.

A helicopter borne magnetometer array survey conducted in 2009 identified a number of EADAs in the shallow, nearshore areas of UXO 16. The smallest of these EADAs were approximately 820 feet by 820 feet (250 meters by 250 meters). Visual Sample Plan (VSP) was used to confirm that, using a minimum swath width of 13 feet (4 meters), 330 feet (100 meters) line spacing would detect all 250-meter diameter (125-meter radius) areas with an elevated anomaly density of 25 targets/acre above a background of 5 targets per acre. Although a minimum swath width of 4 meters was used for planning purposes, the survey contractor used a system with a 6-meter swath width. Without prior knowledge of the target densities, these initial estimates were used to create a conservative line spacing.

The WAA technology allows for the detection of ferrous objects that are potential munitions (thus are considered TOI) on the seafloor as well as buried in the sediment. Detection performance is a function of the sensor to target separation distance and is degraded as this distance increases. As summarized in the WAA Work Plan (CH2M, 2015), with an assumed detection threshold of 0.5 nanotesla (nT), small TOI lying on the surface of the seafloor can be detected at survey altitudes up to 1.5 meters and medium TOI on the seafloor will be detected at altitudes approaching 3 m. This detection threshold assumes system and site-specific noise levels of 0.1 nT (a reasonable assumption given the sensor noise levels are below 0.001 nT).

2.3 Survey Approach and Data Collection

The DGM survey was conducted during the period from March 8, 2016 to May 12, 2017. During this time, there were 43 days of survey. The remainder of the time was for repair to and/or maintenance on the vessel, adverse weather conditions, and normal time off.

Figures 2-3 and 2-4 present the conceptual survey area from the UXO 16 WAA Work Plan. Prior to mobilizing to the site, planned transects were created based upon existing side scan sonar and bathymetry data to avoid obstructions and drastic changes in seafloor topography. In general, DGM transects were performed at approximately 330-foot (100-m) spacing, adjusted as required to avoid seafloor obstructions (**Figures 2-5 and 2-6**). The survey altitude was generally between 1 meter and 2 meters, except in very localized areas where bottom conditions required short-duration raising of the wing. The survey altitude was adjusted in real time to account for

seafloor obstructions as well as to avoid contact with sensitive benthic environments (such as corals) and potential munitions. Completed transects versus planned transects are illustrated in **Figures 2-7 and 2-8**. Where the transect was completed as planned, the completed transect overlies the planned transect; where the transect was not completed as planned, only the planned transect (or portion thereof) is shown. All the planned transects adjacent to the former NASD were completed (**Figure 2-7**). **Figure 2-8** identifies where deviations from the planned transects occurred in the areas adjacent to the former VNTR. These and other deviations to the planned approach are explained herein.

A historical records evaluation related to UXO 16 was conducted at the National Archives in College Park, Maryland and on the NAVFAC project files. However, a records evaluation was also planned at the Naval History and Heritage Command, but the records are in the process of being moved to a new location and will be researched as soon as they are available. No additional information related to UXO 16 has been identified at this time. Results of the additional archives review will be documented in the UXO 16 Master Quality Assurance Project Plan (QAPP).

Weather, sea, bottom, and survey vessel conditions that existed or occurred during the WAA resulted in the need to make modifications to the planned survey approach. Most significantly, due to funding impacts associated with frequent weather/sea condition delays and equipment repairs, it was not possible to complete all planned survey transects. However, survey transects were prioritized to minimize the impact on the survey objectives by not completing some of the transects. Nearshore survey transects in areas more accessible to the public and more immediately adjacent to the SIA and LIA were prioritized ahead of the transects located in deeper water that are less accessible to the public and less likely impacted by munitions. Deviations related to the survey approach and survey altitude from the UXO 16 WAA Work Plan are summarized below; the rationale for each specific transect is detailed in **Appendix B**.

- Transect addition - 20,255 linear meters of additional transects were added to the east of the safety fan that extends offshore from Range 4 and Range 4B (within UXO 13). Based on the layout of Range 4B, it was noted that the existing UXO 16 boundary may not cover areas where rockets may have been overshot offshore. Therefore, additional transects were added in this area (**Figure 2-8**).
- Transect omission/truncation - In a few locations, the water depth along all or a portion of planned survey transects were too shallow or had corals that extended upward from the seafloor sufficiently that prevented surveying without risking damage to the survey equipment or benthic environment. Where possible, adjacent transects were extended to fill coverage gaps. Additionally, as noted previously, a number of transects in the northeastern portion of the site were not surveyed due to funding impacts resulting from weather/sea condition delays and equipment repairs. This had minimal impact on the usability of the data for identification of EADAs. The lines that were too shallow are simply spatial limitations to the survey consistent with the limitations imposed by the shoreline; this is further discussed in Section 3.3.5. The transects not performed in the northeast portion were all bounded by transects with low anomaly density results, indicting it is unlikely there would be additional EADAs in this region. Because EADAs are typically found near the shore and extend out from the shoreline, it is reasonable to assume a very low likelihood that an isolated EADA exists within this gap in coverage.
- Transect modification - Transects were modified in the northeast to assess the presence/extent of EADAs along the northeastern UXO 16 boundary, recognizing that the area just south of the boundary would not be surveyed (as discussed previously).
- Altitude deviations - The presence of corals also presented occasions where the survey altitude could not be maintained below 2-m altitude above the seafloor. Detailed maps documenting the locations of survey altitude deviation across the site are presented the ASI report (**Appendix A**). The number and distribution of the transects that had to be flown above 2 meters resulted in an insignificant effect on the density distribution results. Although the survey altitude necessarily rose above the planned 2-meter threshold, this had very little effect on the usability of the final results. The primary goal of the survey was to gain an understanding of the density distribution of metal objects on and below the seafloor. Higher survey altitudes

reduce the number of detections of small munitions. If this effect was sufficient to distort the final density distribution maps, there would be a strong spatial correlation between the density results and survey altitude results. However, this correlation was not present in the final density distribution results. For this reason, it is concluded that, although survey altitude is a limiting factor for detection, the variability in altitude caused by the requirement to be above 2 meters did not have a deleterious effect on the usability of the anomaly density distribution results.

- Addition of real-time video camera - Real-time video was added to the wing to assist in avoiding corals, other underwater obstructions, and contact with the seafloor. A video camera was mounted to the wing, and video was viewed by the survey team throughout the survey, allowing them to make quick real-time altitude adjustments to the wing.

2.4 Data Processing

All raw data from the DGM system were logged in SkyDAS software and combined using proprietary HDRNet merging software to create georeferenced geophysical data files (XYZ files). The geophysical data were positioned by translating precise coordinates from the RTK GPS on the vessel to the sensor measurement positions via tow line length/angle encoder data and depth transducer measurements. The position errors using this method are estimated to be 4.5 feet (1.4 meters).

The mapped total magnetic field (TMF) data were interpolated to 0.5-m interval regularly spaced grid nodes using a process called 'gridding,' resulting in Geosoft *.grid files. Typical responses to ferrous objects are dipolar in nature and characterized by positive and negative lobes with the crossover point located above the TOI. An example of a typical dipole response is presented on the left side of **Figure 2-9** ("x" represents the TOI location). To simplify the anomaly detection process, the TMF data were converted to 'analytic signal' (AS). AS is calculated as the root sum of the squares of the three principal axis gradients (see right side of **Figure 2-9**). Anomalous responses in the AS grids are expressed as positive peaks located directly over the discrete metal source.

Anomaly positions are identified by the position of peaks in the AS grid. Using Geosoft's automatic peak detection utility, peaks are defined as grid nodes that have values higher than the values from each neighboring node. All identified peaks with values above the project detection threshold are selected using this utility. A small set of additional anomalies were added where the algorithm failed to detect obvious peaks that were close to an edge of the grid, thus were not surrounded on all four sides by lower values.

2.4.1 Quality Control

A modified Geophysical Survey Verification procedure was used to assess the quality of the survey data being collected. This involved initial system testing to confirm that the system was operating properly and ongoing daily tests to confirm continuing acceptable data quality. The initial testing took place prior to the production survey by collection of survey data over an instrument verification strip (IVS). IVSs were established near the Puerto del Rey Marina (**Figure 1-1**), at Beach 5 on Vieques, and at Beach 17 on Vieques (**Figure 2-8**). These tests indicated that the system was achieving the TOI location accuracy (less than 5 feet) and noise levels (standard deviation of non-anomalous responses less than 0.25 nT) required by the work plan. Daily testing, including daily surveys over the IVS, confirmed that the system continued to meet the measurement quality objectives (MQOs) identified in the work plan. Contractor Quality Control Reports, Production Reports, and Preparatory Phase Checklists are included in **Appendix C**. **Table 2-1** presents a list of the MQOs and results.

In addition to the daily MQOs, a set of project measurement performance criteria (MPC) were established in the work plan. These MPC were developed to ensure the survey objectives were met and are provided in **Table 2-2**.

Although field conditions required deviation from the MPC for survey coverage and survey altitude, these deviations were anticipated and consistent with the work plan. For example, results for the transects that were not covered due to water depth restrictions (discussed in Section 2.2) would not have contributed significantly to the density distribution model (i.e. distribution of EADAs) presented in the survey results. Additionally, there were sections of transects where the bottom conditions forced the survey altitude to be higher than the original plan of

2.0 meters (6.6 feet). These sections comprised 17% of the collected data, but because this was done to maintain the safety of the equipment crew and benthic environment, these data were excluded from the final evaluation of the MQO for survey altitude. The fact that these sections of data are not highly correlated with the anomaly density results indicates the survey objectives were not adversely impacted by these deviations.

After the repairs to the boat in May 2016, changes to the system grounding resulted in the winch causing noise spikes in the data. Although the spikes were the same periodicity as the responses to the TOI, these were identifiable because they were virtually the same response on all sensors (not the case for TOI); the winch noise was identified and removed from the final list of TOI.

TABLE 2-1
UXO 16 WAA Measurement Quality Objectives

Definable Feature of Work/Data Quality Indicator	Frequency	Measurement Quality Objective	Activity to Assess Measurement Performance	Failure Response	Pass/Fail
Pre-survey activities/ representativeness, completeness	Once	Transects will be planned at a nominal 100-m line spacing, modified such that obstructions and sensitive benthic features are avoided.	Qualitative review of survey plan technical memorandum	Revise until acceptable	Pass Accepted on March 21, 2016
DGM Survey/ completeness	Once for each delivered data set	All transects will be surveyed within 10 meters of the planned transect path. Gaps between survey lines will not exceed 120 meters for greater than 500 meters along the survey line. Exceptions required to maintain safety of survey equipment, crew, and benthic environment are acceptable.	Transect gap distance calculation using USACE utility or equivalent	RCA/CA Presumptive CA: re-collect portions of transect affected by failure	Pass
DGM Survey/ completeness	For each delivered data set	95% of the along-track measurement spacing for each transect will not exceed 1.0 foot (0.3 m).	Sample distance calculation using USACE utility or equivalent	RCA/CA Presumptive CA: re-collect portions of transect affected by failure	Pass
DGM Survey/ representativeness	For each delivered data set	95% of measurement altitude above the seafloor will be between 3.3 feet (1.0 m) and 6.6 feet (2.0 m).	Evaluation of system altitude measurements	RCA/CA Presumptive CA: re-collect portions of transect affected by failure	Pass Where required, acceptable deviations from the planned altitude have been documented.
DGM/ representativeness, accuracy	Each measurement	All magnetometers will be operational and providing valid data – i.e. values will be between 20,000 nT and 70,000 nT.	Evaluation of magnetometer measurements	RCA/CA Presumptive CA: All values out of range are defaulted (rejected) – re-collects required if the results fail the along track density specification	Pass

TABLE 2-1
UXO 16 WAA Measurement Quality Objectives

Definable Feature of Work/Data Quality Indicator	Frequency	Measurement Quality Objective	Activity to Assess Measurement Performance	Failure Response	Pass/Fail
DGM Survey/ accuracy (topside positioning)	Once at start to verify accuracy (bias); daily checks to verify precision	The GPS antenna positioning errors associated with bias and precision will be less than 1 foot.	Measurement of the GPS antenna position placed at an independently measured location	RCA/CA Presumptive CA: reject data affected by failure, repair/replace equipment	Pass
DGM Survey/ accuracy (TOI positioning)	Once at start to verify accuracy (bias); daily checks to verify precision	The submerged TOI positioning errors associated with bias and precision will be less than 5 feet.	IVS survey over known ground truth TOI	RCA/CA Presumptive CA: reject data affected by failure, repair/replace equipment	Pass
DGM Survey/ accuracy, comparability (magnetometer response amplitudes)	Once at start to verify accuracy (bias); daily checks to verify precision	Sensor response values will be demonstrably consistent with expected values for IVS target(s)	IVS survey over known ground truth TOI	RCA/CA Presumptive CA: reject data affected by failure, repair/replace equipment	Pass
DGM Survey/ representativeness, comparability (magnetometer noise levels)	Daily checks to verify appropriate noise levels	Standard deviation of non-anomalous sensor response values less than .25 nT.	Collection of 'background' data with sensors out of ground effect (at or near surface) in magnetically quiet region	RCA/CA Presumptive CA: reject data affected by failure, repair/replace equipment	Pass

Notes:

CA = corrective action
RCA = root cause analysis
USACE = United States Army Corps of Engineers

TABLE 2-2
UXO 16 WAA Measurement Performance Criteria

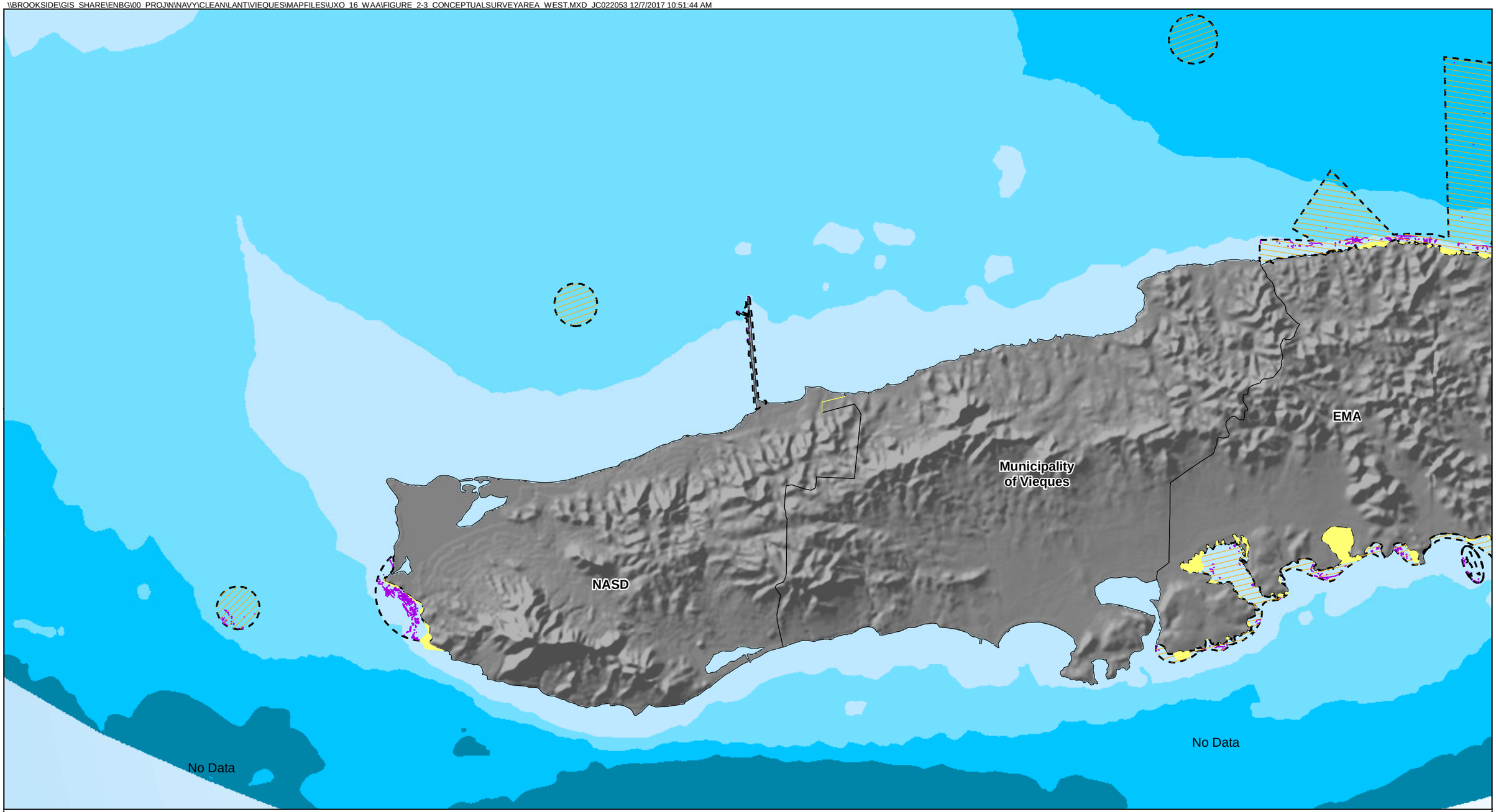
Data Quality Indicator	Definable Feature of Work	Measurement Performance Criterion	Activity to Assess Measurement Performance	Pass/Fail
Representativeness/ completeness	Pre-survey activities (transect layout)	Transects will be planned at a nominal 100-m line spacing, modified such that obstructions and sensitive benthic features are avoided.	Survey plan technical memorandum	Pass
Completeness	DGM survey (coverage)	All transects will be surveyed within an acceptable distance from the planned transect path. Exceptions required to maintain safety of survey equipment, crew, and benthic environment are acceptable.	Transect path will be inspected and deviations identified	Pass Where required, deviations from the planned transects are documented in the file "*Vieques QC tracking.xls"*
Representativeness/ completeness	DGM survey (altitude)	The geophysical data will be collected with survey altitude between 3 feet and 6 feet above the seafloor. Exceptions required to maintain safety of survey equipment, crew, and benthic environment are acceptable.	Statistical summary of survey altitudes will be provided with transect data	Pass Where required, deviations from the planned altitudes are documented in the file "*Vieques QC tracking.xls"*
Completeness	DGM survey (video image collection)	Video imaging of the seafloor will be collected with sufficient resolution and clarity to identify potential anomaly sources proud of the surface as well as characterize the benthic environment. The video will be time stamped so that it can be aligned with position information.	A qualitative review of the video images will be performed daily	Pass
Completeness	DGM survey final report/ data archives	The final report will summarize the data collection and QC activities and results. It will also summarize the data processing and data analyses and results. All collected and processed data shall be properly archived and delivered to the project team.	The report will undergo senior technical review	Pass

Notes:
QC = quality control

Figure 2-1
Magnetometer array being towed over a section of seagrass
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

Figure 2-2
Depth Control Illustration
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\BROOKSIDE\GIS_SHARE\ENBG\00_PROJ\N\NAVY\CLEAN\LANT\VIEQUES\MAPFILES\UXO_16_WAA\FIGURE_2-3_CONCEPTUALSURVEYAREA_WEST.MXD JC022053 12/7/2017 10:51:44 AM



Legend

Underwater Depth (feet)

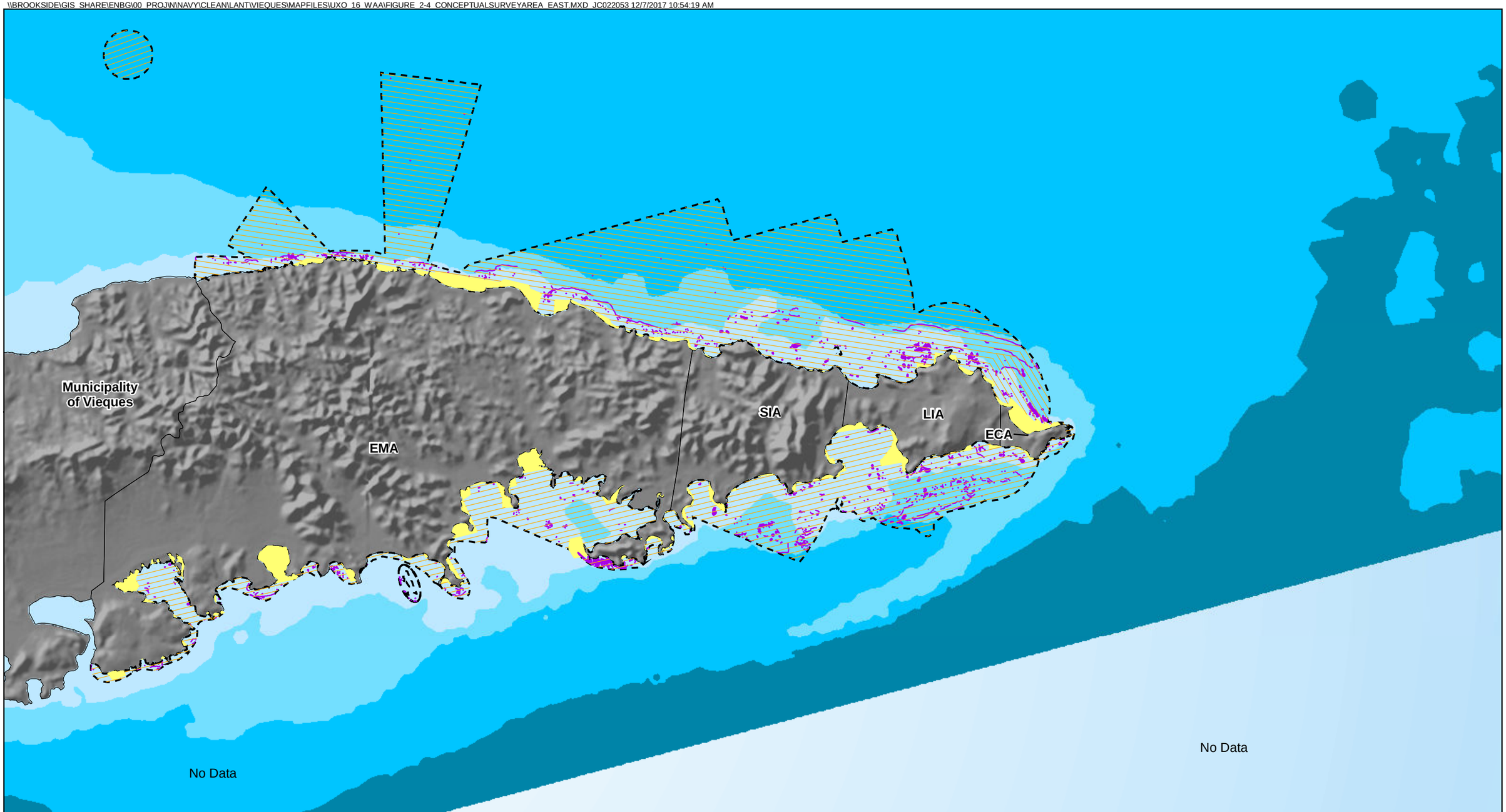
- 0 - 30
- 30 - 60
- 60 - 120
- 120 - 164

- UXO 16 Boundary
- Areas Identified with 1 meter or Greater Vertical Change on the Seafloor
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or other sea conditions

N
W E
S

0 1.5 3 Miles

Figure 2-3
Conceptual Survey Area - West
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

Underwater Depth (feet)

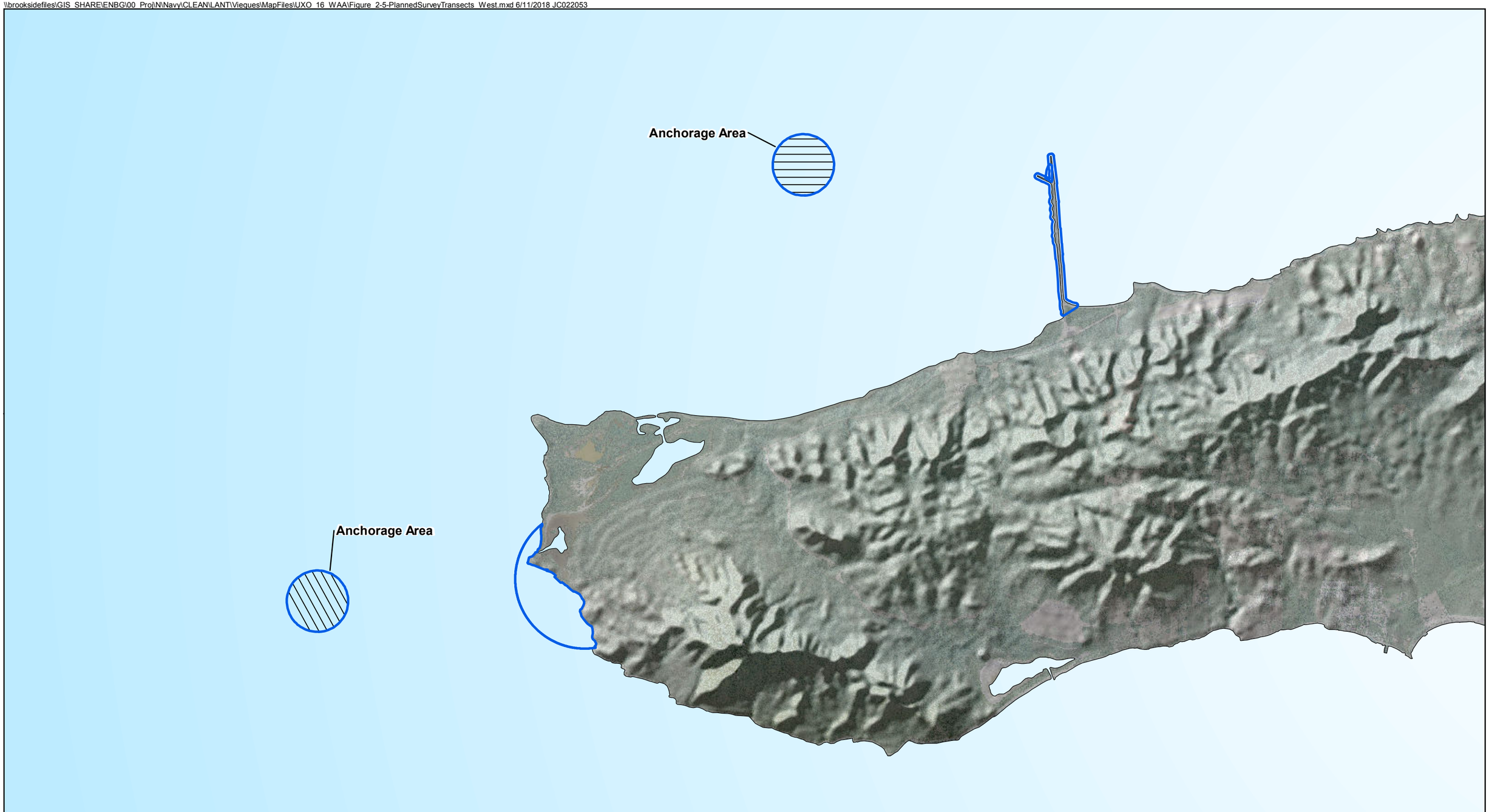
- 0 - 30
- 30 - 60
- 60 - 120
- 120 - 164

- UXO 16 Boundary
- Areas Identified with 1 meter or Greater Vertical Change on the Seafloor
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or other sea conditions

N
W E
S

0 1.5 3 Miles

Figure 2-4
Conceptual Survey Area - East
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

— Planned Transect (100 m, where possible)

UXO 16

Note: The area around Mosquito Pier and adjacent to SWMU 4 are being addressed separately from the UXO 16 Wide Area Assessment.

N
W E
S

0 0.25 0.5 0.75 Miles

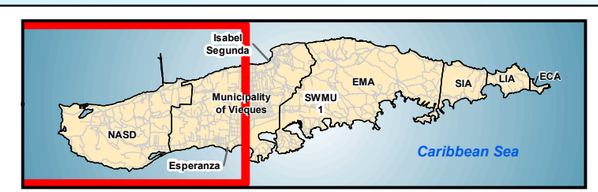
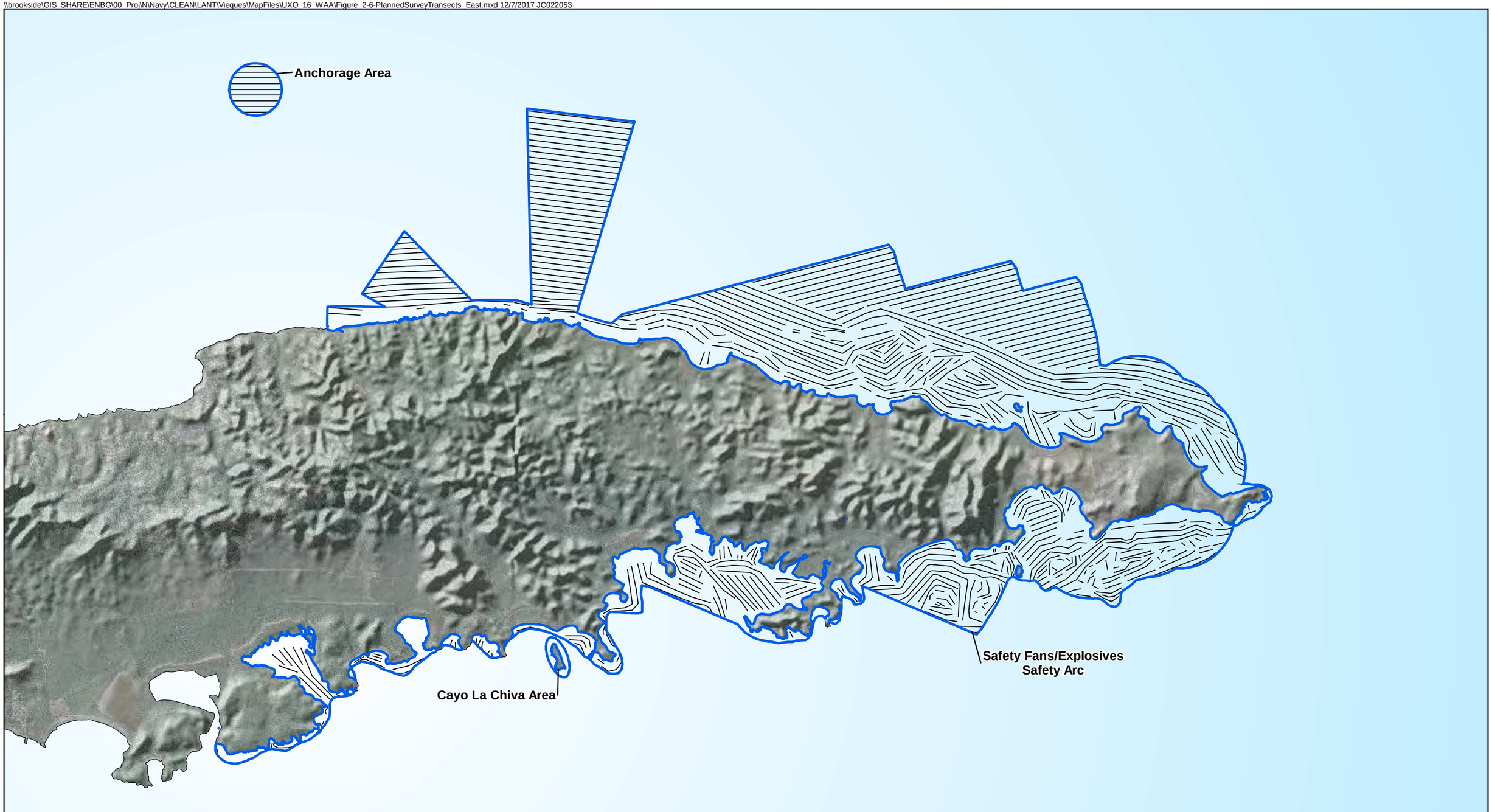


Figure 2-5
Planned Survey Transects - West
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

— Planned Transect (100 m, where possible)

UXO 16

N
W E
S

0 0.5 1 Miles

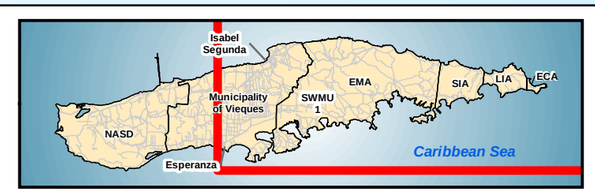
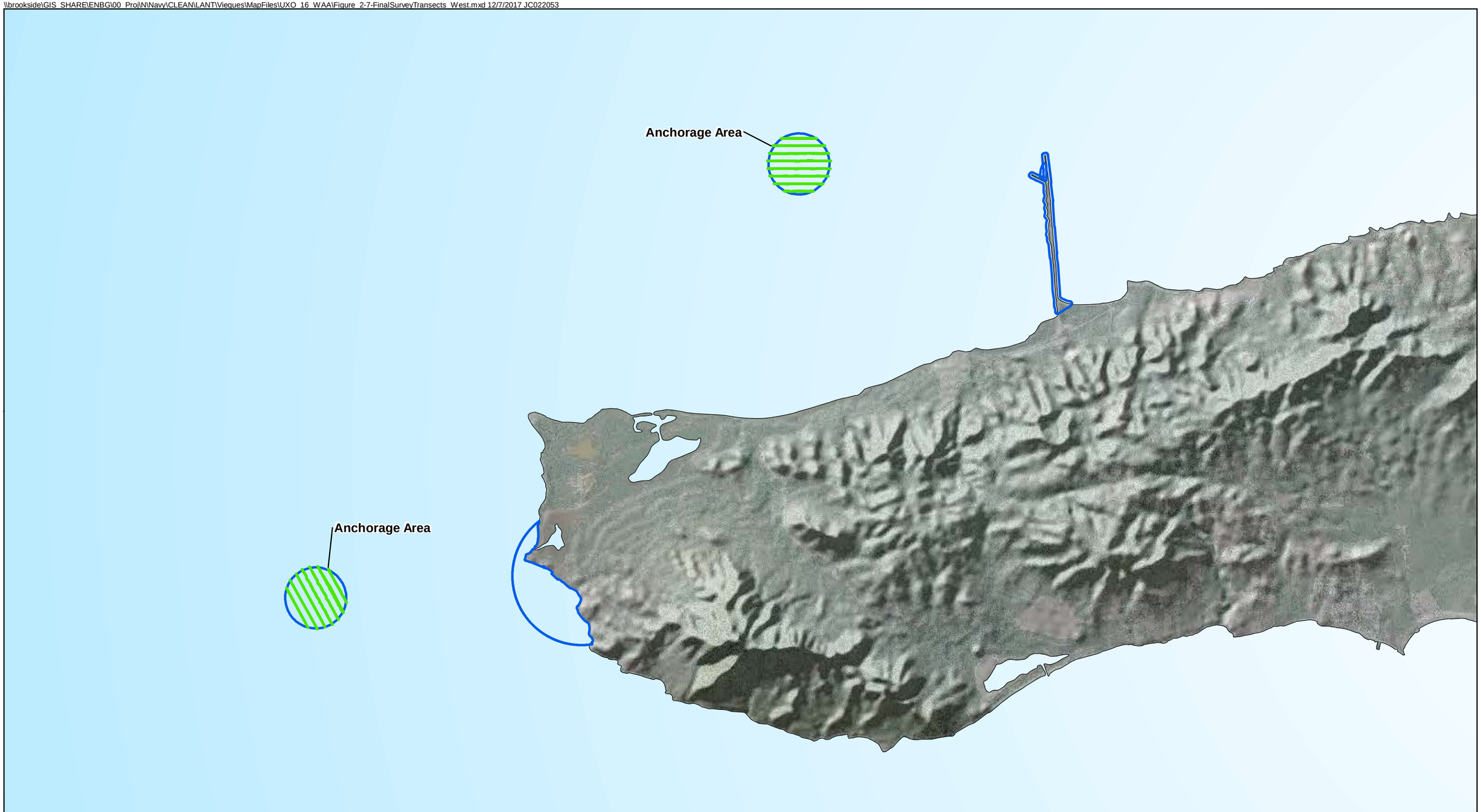


Figure 2-6
Planned Survey Transects - East
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\brookside\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Figure_2-7-FinalSurveyTransects_West.mxd 12/7/2017 JC022053



Legend
- Actual Transect
- Planned Transect
- UXO 16

N
W E
S

0 0.25 0.5 0.75 Miles

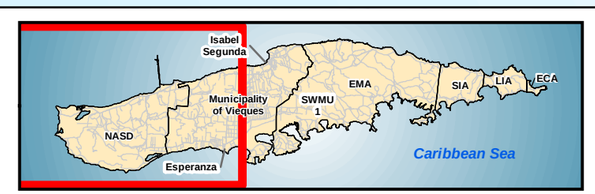
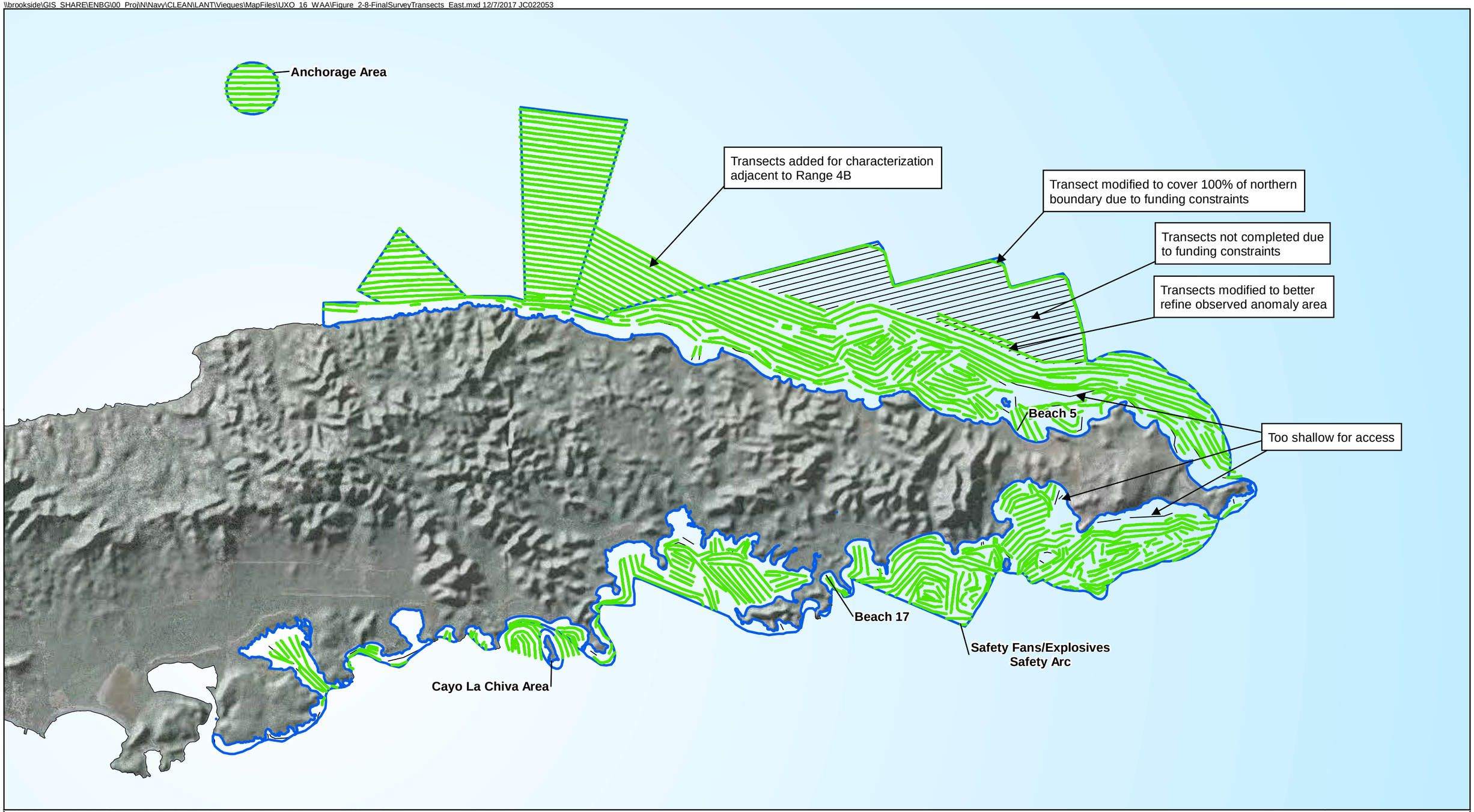


Figure 2-7
Final Survey Transects - West
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\brookside\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Figure_2-8-FinalSurveyTransects_East.mxd 12/7/2017 JC022053



Legend
- Actual Transect
- Planned Transect
- UXO 16

N W E S

0 0.5 1 Miles

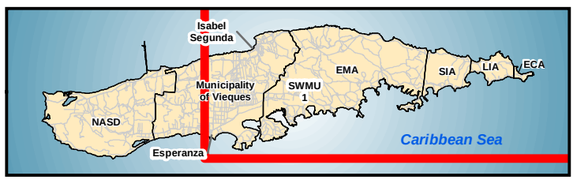
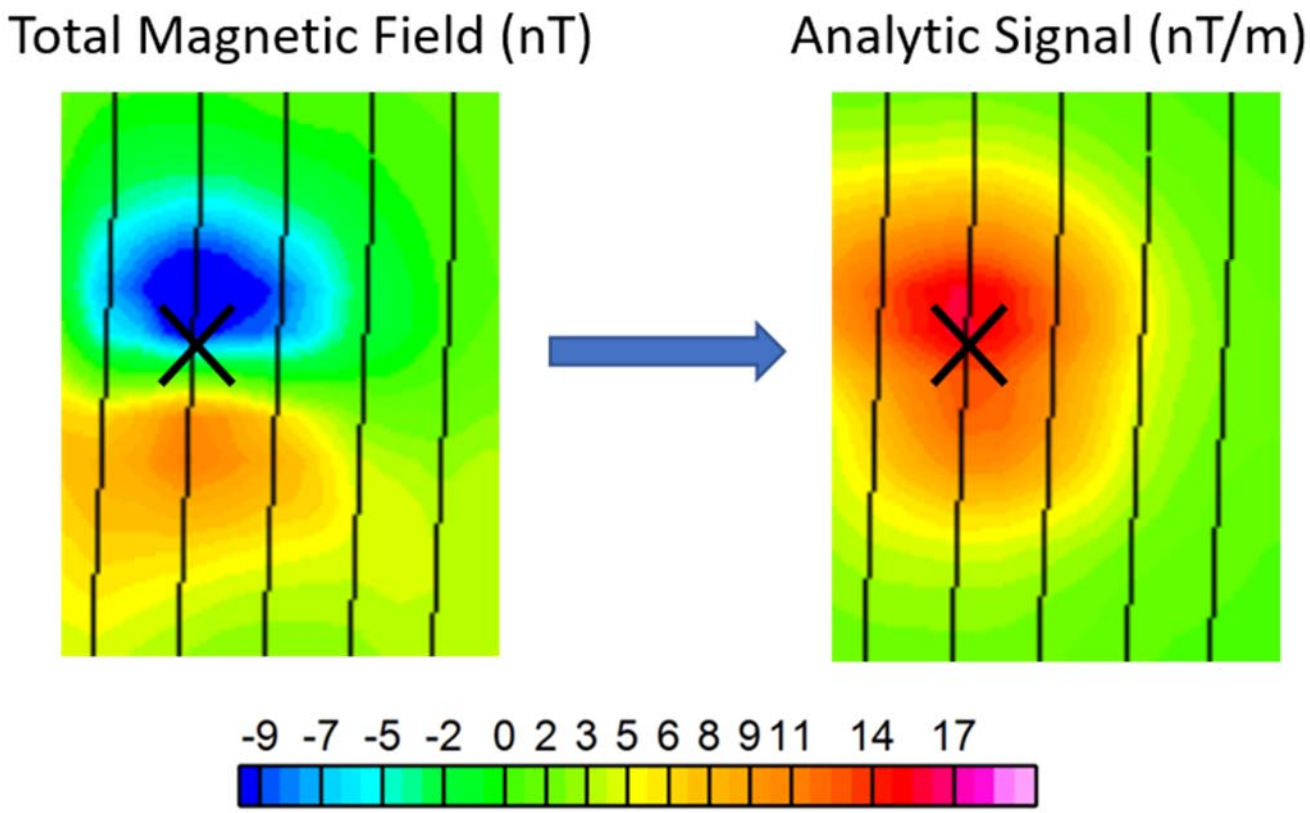


Figure 2-8
Final Survey Transects - East
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Total magnetic field dipole response (left panel) to a discrete ferrous object. The Analytic Signal (right panel) calculated as the root sum of the principal axis (x,y,z) gradients, provides the ability to locate the object (marked with an "X") using a simple peak detection algorithm. The vertical black lines represent the path of the 5 magnetometers (sensor separation is 1 meter).

Figure 2-9
Total Magnetic Field versus Analytic Signal Example
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

SECTION 3

Summary of Wide Area Assessment Results

This section describes the DGM results, observations from the underwater video cameras, and an updated assessment of the CSM based on the results of the WAA.

3.1 Elevated Anomaly Density Areas

A total of 334 survey kilometers (208 miles) were collected, providing an effective coverage of 4.3% of UXO 16, approximately 495 acres. From these data, a review of background noise levels provided average noise levels of 0.17 nT/m resulting in the establishment of a detection threshold of 0.85 nT/m. Based on this detection threshold, a total of 14,683 TOI were selected.

Anomaly density estimates were derived using VSP. A summary report, included in **Appendix D**, was generated by VSP, and describes how the densities were estimated. In the absence of a 'standard' threshold delineating background anomaly density (or empirical expectations based upon similar investigations), the background anomaly density threshold of 15 anomalies/acre was based upon the observation that the anomaly density levels appear to asymptote to this level moving from high to low levels. The EADA threshold of 30 anomalies/acre was selected based upon reasonable judgment as two-times (2x) the background anomaly density. Although the 2x threshold is somewhat arbitrary, the transition from background levels to higher levels is relatively steep thus the results are not particularly sensitive to the actual threshold used and a threshold of 2x was judged to be a conservative threshold (i.e. identified larger areas a EADAs).

After deriving the anomaly density, EADAs were identified based upon the objective numeric criteria embodied in the anomaly density grid (i.e. the grid values) and qualitative assessment of the relationship between the observed elevated anomaly density regions and the prior land use documented in the CSM. All regions with anomaly density higher than the background level were identified as EADAs. Some regions of contiguous elevated densities were separated into separate EADAs based upon their location relative to the regions with differing historic land use.

Figure 3-1 presents the anomaly density results derived using VSP and the resulting identified EADAs. Eighteen EADAs were identified within UXO 16, as summarized in **Table 3-1**. The highest anomaly density occurred within EADAs 13 and 14, located along the northern and southern shores adjacent to the LIA, which is consistent with what would be predicted based on the CSM. Note that within EADA 13, south of Bahia Salinas del Sur, the sunken USS Killen was avoided during the WAA survey and why the anomaly density is not higher in that area. Its presence is already known and surveying over it would have put the survey equipment in jeopardy.

3.2 Video Observations

As described in Section 2.1.3, two video cameras were deployed during the survey, in part to aid in classifying the benthic environment in UXO 16 as well as to identify any shapes proud of the seafloor that are possible munitions items. Survey videos were reviewed by the project biologist to document the habitat type and threatened and endangered species. Additionally, the videos were reviewed to identify potential munitions items on the seafloor. A total of 234 objects were identified that could be munitions, as shown in **Figure 3-2**; 220 of those items were identified within EADAs. It is important to note that these items were identified based on visual observations and are therefore not confirmed to be munitions. For instance, several of the nine potential munitions items identified offshore of Cayo La Chiva were ultimately determined during a removal action to be rock/coral that were in the shape of a potential munition (CH2M, 2017).

The majority of the potential munitions observed proud on the seafloor were located north of the LIA within EADA 14 (**Table 3-1** and **Figure 3-2**), which is consistent with what would be predicted based on the CSM. Fewer potential munitions were observed within EADAs 12, 13, and 15. Additionally, 14 potential munitions were

identified outside of EADAs: 2 along the northern and northeastern UXO 16 boundary, 11 north of the EMA/SIA/LIA, and 1 in the western anchorage area.

3.3 Conceptual Site Model

This subsection provides a summary of the key elements of the CSM with updated information from the UXO 16 WAA. **Figures 1-5 and 1-6** present the generalized CSM of UXO 16.

3.3.1 Release History

The sources of munitions within UXO 16 include: naval gunfire and air-to-ground bombing of munitions intended for offshore targets south of the LIA and targets on cliff faces along the southern portion of the LIA; naval gunfire and air-to-ground bombing that may have missed their intended targets in the LIA and SIA or deflected from land to offshore; overshooting of Marine artillery at the ranges and gun positions in the EMA; kick-outs of munitions from the OB/OD areas at the LIA and at the western end of Vieques; and inadvertent release of munitions during their transfer at the anchorage areas and Mosquito Pier. As noted previously, the area around Mosquito Pier and adjacent to SWMU 4 are being addressed separately.

3.3.2 Physical Characteristics

This subsection summarizes the physical characteristics of UXO 16, including wind, bathymetry, tides, currents, benthic habitats, and waves. The physical characteristics influence the fate and transport of munitions in environmental media as well as the media themselves.

Wind

Vieques lies along the northern edge of the trade wind belt which circles the globe from east to west. Locally, these surface winds are associated with the mid-latitude high-pressure cell, whose center is periodically displaced along the Bermudas-Azores latitude band. This clockwise rotating, high surface pressure system generates easterly winds over the Caribbean. The wind direction varies from northeast to southeast, depending on the season, but is predominantly from the east all year round. In the winter months, easterly and northeasterly 10- to 15-knot winds are typical. In the summer, the typical wind is from the east at 5 to 10 knots.

Coastal processes associated with winds due to episodic storms (such as tropical storms and hurricanes) may affect the migration of munitions. Vieques is on the path of Atlantic tropical storms and hurricanes, and it has been affected by both in recent history. From June to November, the high sea surface temperatures and favorable atmospheric conditions in the Atlantic Ocean allow the development of tropical lows into tropical depressions, tropical storms, and hurricanes. These storms track from east to west, and southeast to northwest. In recent history, Hurricanes David and Frederic in 1979, Hurricane Hugo in 1989, and Hurricanes Irma and Maria in 2017 were violent hurricanes that severely impacted Vieques coastline and marine habitats. For the 113 years of record, the frequency is approximately an average of one storm every 6 years, with nearly 50 percent occurring in the month of September and 25 percent in August.

Bathymetry

The bathymetry around Vieques differs markedly between the north and south shore. North of the island, the seafloor is generally uniform and shallow, interrupted only by patch reefs and a sand and gravel shoal denoted as the Escollo de Arenas on the northwestern end of the island. The seafloor in this area slopes gently (e.g., 1:100) from the shore to a depth of approximately 50 feet, with a broad 80-foot deep shelf that extends to the north and west. The south side of Vieques is characterized by numerous small inlets and lagoons, and a shore-parallel coral reef at a depth of 50 to 65 feet approximately 1 to 2 miles offshore. South of the reef, there is a steep slope (1:10) where the seafloor drops abruptly to depths over 3,000 feet. The bathymetry to the east of the island features an 80- to 150-foot depth transition between the shallow shelf on the north and the edge of the steep slope to the south.

The majority of UXO 16 is less than 60 feet deep. The deepest portion is approximately 80 feet within the northern portion of the site near the site boundary.

Water Levels

Water levels in Vieques are typically dominated by the tide. However, during storms, the storm surge would be the dominant component of high water levels.

Throughout the northeastern Caribbean, tides exhibit a complex behavior. Along the south coast of Vieques the tide is principally diurnal (one cycle per day) while along the north coast the tide is semidiurnal (two cycles per day). The tide range along both coasts is relatively small and on the order of 0.7 foot (south coast) and 1.3 feet (north coast).

Currents

Current patterns in the Caribbean are highly variable, both spatially and temporally. This variability is a function of bottom topography, wind, and the tide. The general current pattern around Puerto Rico and the U.S. and British Virgin Island archipelago is an east to west direction; these waters join the general western flow of the Caribbean Current toward the Yucatan Strait.

Previous studies (GMI, 2005) have indicated that surface currents around Vieques are driven mainly by the prevailing trade winds. Prevailing surface currents at the eastern end of Vieques flow east to west at approximately 0.10 meter/second (0.20 knots) along the north and south coastlines. This is consistent with rule-of-thumb estimates of two to three percent of the wind speed, which would result in wind-induced currents on the order of 0.20 to 0.45 knot for the typical 10- to 15-knot easterly winds.

The Vieques north and south shores are relatively broken and consist of a series of rocky headlands separating pocket beaches and bays. This particular coastal morphology is not conducive to the establishment of spatially and temporally constant wave-induced longshore currents. Instead, longshore currents are a function of the specific bathymetry and wave conditions within bays and along pocket beaches. The tide is not expected to contribute significantly to the current given its relatively low range.

The east to west wind-induced current sets a longshore drift that moves suspended sediments in the same direction. At the northwest end of Vieques, the convergence of the westward current with the northward currents along the Vieques Passage formed the Escollo de Arenas shoal. In storm conditions, wind- and wave-induced currents could produce significant sediment transport and alter shorelines and marine habitats.

Benthic Habitats

The contrasting bathymetric profiles on the north and south sides of Vieques are reflected in the distribution of benthic habitats and associated biological communities. Seagrass communities, which are generally limited to shallow depths and protected, low-energy regions, are widespread northwest of Vieques where depth is shallow and conditions are relatively calm. In contrast, hard bottom habitats are typified by higher topographic complexity than seagrass and other soft bottom habitats. For example, the areas of highest complexity around Vieques highlight slopes and areas of reef and hard bottom. These features include numerous patch reefs north of Vieques, and barrier reefs extending along the edge of the steep slope on the south side of the island. Video from the WAA is currently being evaluated for various benthic habitats and the results will be used during planning of future investigations and/or actions.

Waves

The most frequent wave climate around Vieques consists of easterly waves generated by the trade winds. Deep-water waves due to the trade winds are on the order of 3 to 6 feet with periods in the range of 5 to 10 seconds. Windward facing coastlines are fully exposed to these waves, but the leeward west coast of Vieques generally exhibits smaller waves.

From November to February/March, winds are more predominant and stronger from the northeast, and therefore the northern coast of Vieques is more exposed to waves and the southern coast is more protected. During these winter months, storms and cold fronts farther north produce stronger than usual 25- to 30-knot winds from the northeast which can contribute to the generation of 10- to 11-foot waves with 12- to 16-second waves that often reach Vieques.

As these waves approach the coast they are transformed due to the proximity of the bottom, refracting and gradually aligning their fronts with the depth contours, and shoaling and breaking in shallow water. Wave breaking is a function of wave height and water depth, and it is generally accepted that waves will break when the wave height to water ratio is approximately 0.78. While the bathymetry of the locations of interest is known, wave conditions are variable and therefore locations of wave breaking are also variable. The Beach Dynamics Investigation, currently being performed, includes evaluating these areas (via transects) at various beaches and collecting wave measurements which, in combination with wave modeling, will assist in the definition of area of potential munitions and explosives of concern (MEC) mobility.

3.3.3 Potential Munition Transport Pathways

The mobility of munitions within UXO 16 is dependent on munitions shape, size, weight, and surface roughness, relative orientation of munitions to the wave-induced and current flows, water depths, wave and current conditions, and their degree of burial in bottom sediments. In areas with coral and a hard bottom, munitions generally would be expected to remain approximately in place because munitions would be trapped in place by the coral reef. Areas covered by unconsolidated sediment with gentle slopes would be conducive for munitions mobility if hydrodynamic (depth, waves, and currents) and munitions characteristics (shape, size, weight, condition, and relative orientation) are suitable. Waves in shallow water induce on the fluid particles oscillatory, elliptical orbits where the velocity induced at the crest of the wave is larger than the velocity at the trough. The net result is drift in the wave direction. Consequently, munitions in unconsolidated sediment areas are expected to migrate in the direction of the waves, provided that waves induce large enough hydrodynamic loads, or to be buried by the sediment with little to no migration. Following is a discussion of potential munitions transport, based on the physical characteristics discussed in Section 3.3.2, within UXO 16 adjacent to the north and south shores of the former VNTR. How the conceptual transport pathways correlate with what was observed during the WAA is discussed in Section 3.3.5.

3.3.4 Future Land Use and Potential Receptors

The territorial waters within UXO 16 are under the jurisdiction of the Commonwealth of Puerto Rico. Code of Federal Regulations (CFR) Title 33 has been established to address navigation and navigable waters and the anchor sites off the coast of Vieques, as described in 33 CFR Sections 110.1, 110.245, 334.1470, and 334.1480. These areas are shown in the National Oceanic and Atmospheric Administration (NOAA) nautical charts.

Potential human receptors are recreational users (boaters, divers, snorkelers, and swimmers) and fishermen who may come into contact with munitions. Potential ecological receptors are those associated with coastal benthic marine habitats within UXO 16, which are primarily coral reef and colonized hard bottom, submerged vegetation (seagrass and algae), and fringing mangroves. The potential explosive hazard posed by munitions to ecological receptors is negligible. Aquatic organisms in these habitats could be exposed to munitions constituents in site media, but surface water and sediment data collected to date around Vieques suggest concentrations of munitions constituents are well below ecological risk screening values. The diversity of aquatic organisms in these coastal habitats is high and includes approximately 50 species of corals, large numbers of benthic and epibenthic invertebrates (such as polychaetes, mollusks, crustaceans), over 30 seagrass and macroalgae species, over 200 species of fish, 28 species of aquatic mammals (mostly cretaceans), and 4 species of sea turtles. Documentation of sea turtle sightings during the WAA field work are included in **Appendix E**. At least 16 species of seabirds are dependent on the coastal and oceanic environment for important life history requirements, such as foraging. Multiple species of corals, aquatic mammals, sea turtles, fish, and seabirds in the vicinity of Vieques are currently protected (or proposed) under the Endangered Species Act and analogous territorial Acts.

3.3.5 Evaluation of Wide Area Assessment Results

The results of the WAA (EADAs and potential munitions observed on seafloor) were compared to the CSM, including former target areas, terrestrial densities of all items and for MEC observed during surface clearances,

results of the helicopter aerial magnetometer survey, and seafloor hard bottom, and are shown in the following figures:

- **Figure 3-3** presents a comparison of the WAA results with the results of the helicopter aerial magnetometer survey that focused on land and the EADAs identified from that survey that extended offshore.
- **Figure 3-4 through 3-7** present a comparison of the WAA results with the total densities of all items identified during terrestrial surface clearances (includes MEC, munitions debris, range-related debris, and cultural debris).
- **Figure 3-8** presents a comparison of the WAA results with the total densities of MEC identified during terrestrial surface clearances.
- **Figure 3-9** presents a comparison of the potential munitions observed during the WAA with the areas of seafloor with greater than 90 percent hard bottom. This information helps explain the distribution of observed potential munitions. It is likely that where other potential munitions were observed are also in hard bottom areas, but hard bottom in these areas would likely be less prevalent.

There is some correlation between the aerial magnetometer results and the WAA results, especially in the LIA and SIA. However, outside of the LIA, there are a number of EADAs identified from the aerial survey that do not have a corresponding EADA from the WAA, and vice versa. This is likely due, in part, to the fact that the aerial survey results were strongly influenced by obstructions that prevented low altitude flight, resulting in variations in detection performance that distort the relative anomaly densities. That and the fact that the aerial survey EADAs were selected using a more subjective approach than the WAA EADAs (the UXO module for VSP was not in widespread use at that time) explains why the results are not consistently correlated (**Figure 3-3**).

Eastern Conservation Area

The lack of EADAs adjacent to the ECA is consistent with the terrestrial findings and CSM, in that the ECA was established as a conservation area and not used as an operational area for military training (**Figures 3-4 and 3-5**). Only a small portion of EADAs 13 and 14 extend offshore of the westernmost part of the ECA, adjacent to the ECA/LIA boundary. These areas are likely a result of missing intended targets and from OB/OD activities in the adjacent LIA. Due to the reef located off of Playa Blanca, no WAA transects were planned in this area; however, an EADA from the previous aerial magnetometer survey was identified in this area (**Figure 3-3**). If the EADA is indeed present in the marine environment in this area, its presence would be the result of the same activities described previously.

Live Impact Area

EADAs 13 and 14 surround the LIA, with the highest densities in Bahia Salinas, Bahia Icacos, Bahia Salinas del Sur, and adjacent areas (150 anomalies/acre) (**Figure 3-5**). These EADAs are the largest in size across all of the former VNTR and extend from the shoreline to portions of the northern and southern UXO 16 boundary; individual potential munitions were also observed at or near the boundaries of these EADAs (**Figure 3-2**). It is noted that the anomaly densities in these areas may extend beyond the current UXO 16 boundary; future, focused studies will address this potential, if warranted. These findings are consistent with the CSM, as these areas are likely a result of missing the numerous former targets (strafing target near the border with the SIA, two mock surface-to-air missile sites [SAM East and SAM West], a mock convoy, mock railroad tunnel, mock ammunition dump, mock fuel farm, mock airstrip, bullseye target #1, and several point and area targets for naval gunfire), from OB/OD activities, and from the presence of a former target (USS Killen) near Bahia Salinas del Sur. High densities of MEC and munitions-related items were identified throughout most of the LIA (**Figures 3-5 and 3-8**).

The majority of the potential munitions observed on the seafloor were located north of the LIA and primarily in areas with greater than 90 percent hard bottom (i.e., the hard bottom limits burying of munitions) (**Figure 3-9**). This indicates that the source of the anomalies identified within all of the EADAs are primarily beneath the seafloor within the sediment. Additionally, the rock associated with the hard bottom does not appear to influence detection with the magnetometers and the sources of the anomalies are not associated with the rock itself. This

differs from results of the previous aerial magnetometer survey, where the ferrous minerals in the bedrock also contributed to the EADAs being identified (**Figure 3-3**).

Surface Impact Area

EADAs 12 and 15 are adjacent to the south and north coasts, respectively, of the SIA, with the highest anomaly densities adjacent to the southern coast from Playa Jalova eastward to the SIA/LIA border (EADA 12) and adjacent to the northern coast primarily around Cerro Farallon (EADA 15) (**Figure 3-6**). Portions of EADA 12 extend from the shoreline to the UXO 16 boundary. It is noted that the anomaly densities in this area may extend beyond the current UXO 16 boundary; future, focused studies will address this potential, if warranted. Marine artillery targets were located within the northern portion of the SIA and bullseye target #2 was used for inert bombing in the northwestern portion of the SIA. High densities of items were also identified on land, adjacent to both of these offshore EADAs, although generally at lower densities in the southern SIA. Along the SIA's north coast, EADAs from the aerial magnetometer survey correlate well with the WAA EADAs, suggesting EADA 15 would likely extend to the shoreline within Puerto Diablo (north of bullseye target #2) even though this area could not be surveyed due to shallow water depths (**Figures 2-8 and 3-5**).

Eastern Maneuver Area

Twelve EADAs were identified offshore of the EMA, 11 along the southern coast (EADAs 1 through 11) and 1 along the northern coast (EADA 16) (**Figures 3-1, 3-5, 3-6, and 3-7**). The EADA identified along the northern coast of the EMA (EADA 16) is within Puerto Negro (**Figure 3-6**), adjacent to which is Range 6. Range 6 was a shape charge range where shape charges were detonated at the beach along with training areas for open detonation. Additionally, EADA 16 correlates well with nearby EADAs identified during the aerial survey. The portions of the aerial survey EADAs that extend offshore could not be confirmed by the WAA survey due to the shallow water close to the shoreline and the presence of utility lines (running to Culebra) on the ocean floor in that area.

It is noted that because of shallow water depth near the coast, it was not possible to determine if there are additional EADAs just offshore of the various UXO 13 ranges. Nonetheless, results of the WAA suggest that activities at the various ranges at UXO 13 did not extend significantly from the coastline and/or are too small, localized, or deep to be detected. Ranges 2, 4, 4B, and 7 within UXO 13 that extended close to the shoreline were a former rifle range, rifle grenade range, rocket launcher range, and machine gun range, respectively.

On the southern side of the EMA, EADAs 1 through 6 are located within areas that are or may be more readily accessed by the public than areas elsewhere around the former VNTR. The EADAs identified in these areas may be, at least in part, a result of cultural debris; cultural debris, such as lobster pots and non-munitions related metal, were observed on the seafloor surface in the review of videos from these EADAs. EADA 1 (Puerto Ferro) is an area where boats frequently anchor, but munitions-related items have been observed just offshore. EADAs 2 through 6 are located adjacent to public beaches (Red Beach, Blue Beach, Secret Beach, Silver Beach, and an unnamed beach). Because Red and Blue Beaches were utilized for military training, items associated with the training may be at least partly contributing to the EADAs. The source of the EADAs within Ensenada Honda (EADAs 7 through 11) may also be associated with public use of the area as boats and other recreational users are frequently observed in this area. EADA 7 is consistent with an EADA identified during the aerial survey. EADAs 10 and 11 are located south of Range 10, where an NTCRA within UXO 9 is ongoing.

Former Naval Ammunition Support Detachment

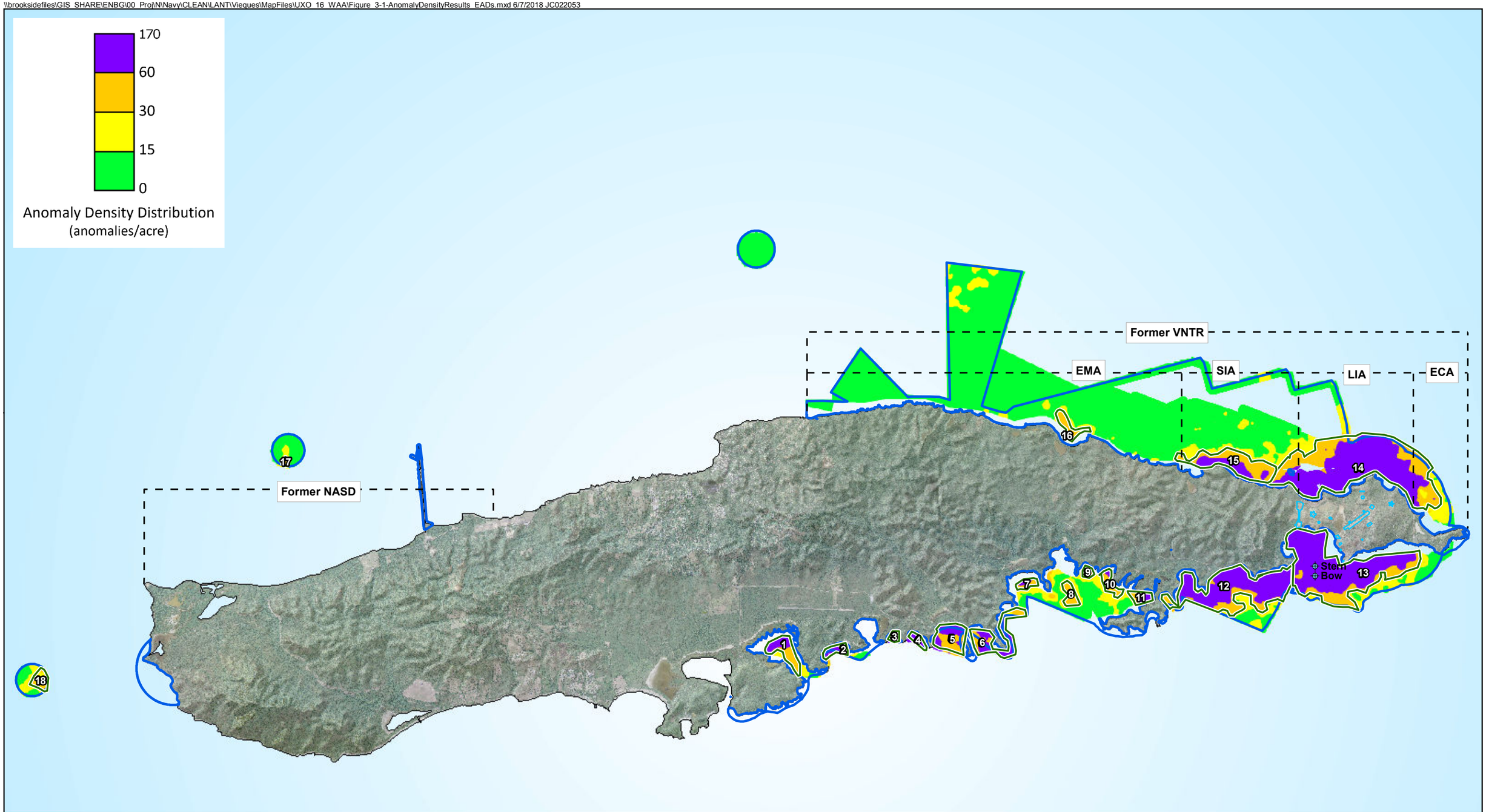
EADAs 17 and 18 were identified in the two western former anchorage areas, with anomaly densities slightly exceeding the 30 anomalies/acre EADA threshold level (**Figure 3-4**). One potential munition was observed within the westernmost anchorage area (**Figure 3-2**).

TABLE 3-1
Summary of UXO 16 EADAs

EADA	General Location	Density (anomalies/acre)	Area (acres)	Potential Munitions Observed on Video[1]
1	Puerto Ferro (east of UXO 15)	100	87	No
2	Bahia Corcho (offshore of Red Beach)	75	34	No
3	Offshore of Pata Prieta (Secret Beach)	100	14	No
4	Offshore of unnamed beach	75	22	No
5	Bahia La Chiva (offshore of Blue Beach)	80	117	No
6	Bahia La Chiva (offshore of Blue Beach) and offshore of Playa La Plata (Silver Beach)	95	154	No
7	Ensenada Honda - northwestern area (south of UXO 14)	65	27	No
8	Ensenada Honda – central area of bay	75	39	No
9	Ensenada Honda – northern area (south of UXO 14)	55	16	No
10	Ensenada Honda – northeastern area (south of UXO 14)	65	40	No
11	Ensenada Honda – eastern area (adjacent to UXO 9)	75	36	No
12	Bahia Jalova and offshore Playa Matias (south of UXO 9)	125	540	Yes (2 items)
13	Bahia Salina del Sur and south of UXO 4	150	772	Yes (11 items)
14	Bahia Salinas, Bahia Icacos, and north of UXO 4	150	1,084	Yes (204 items)
15	North of UXO 9 (Cerro Farallon)	105	234	Yes (2 items)
16	Puerto Negro (north of UXO 12)	45	52	No
17	Northwestern Anchorage Area	50	6	No
18	Western Anchorage Area	35	42	Yes (1 item)

Notes:

[1] The absence of potential munitions on the survey video is not indicative of the density of DGM anomalies, as the data collected and observations made during the WAA indicate most items represented by geophysical anomalies are buried in unconsolidated sediment.



Legend

- USS Killen Wreck
- Underwater Elevated Anomaly Density Area
- UXO 16
- Target Area

N
W E
S

0 2,500 5,000 7,500
Feet

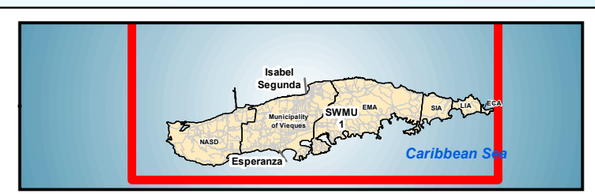
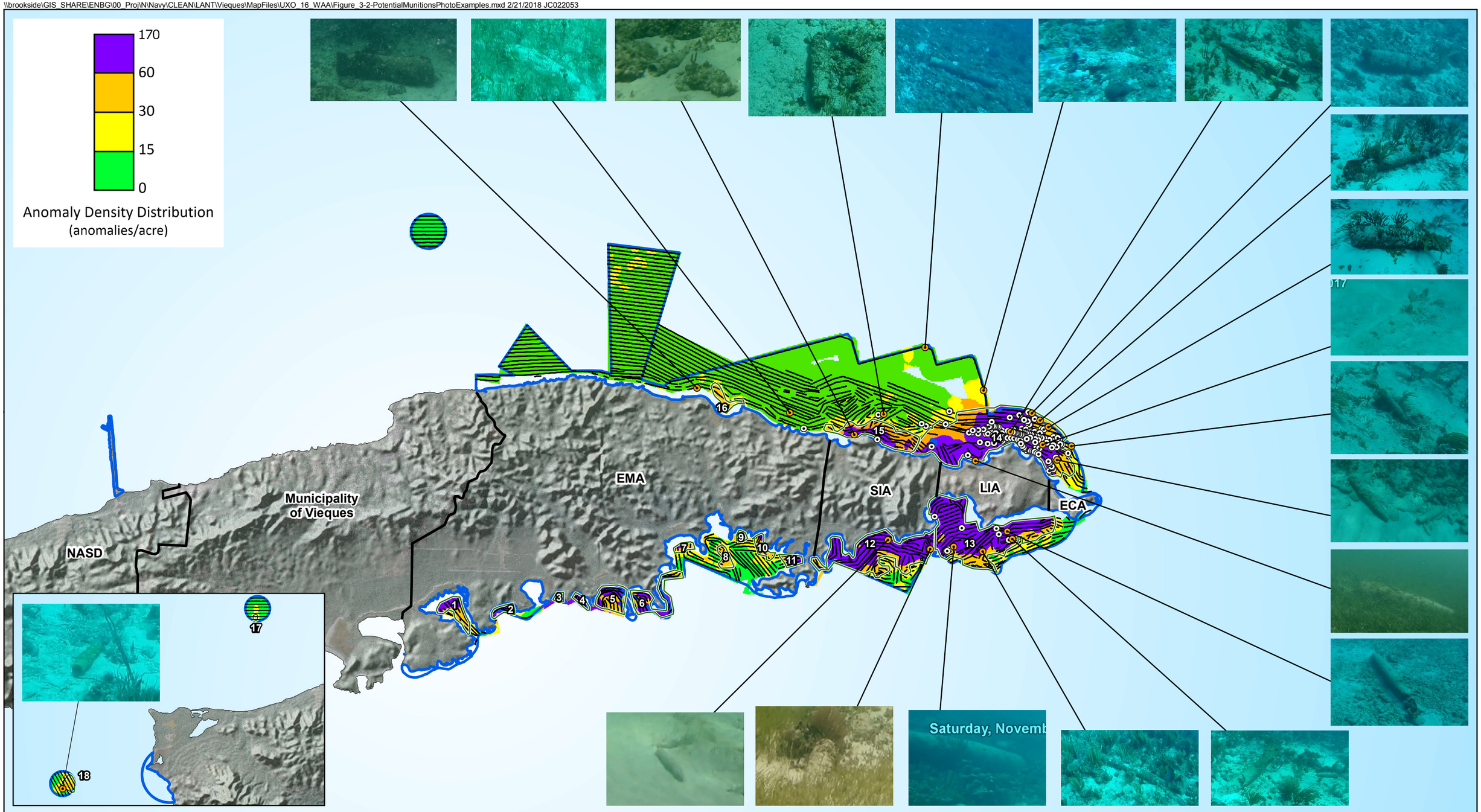


Figure 3-1
Anomaly Density Results and Elevated Anomaly Density Areas
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

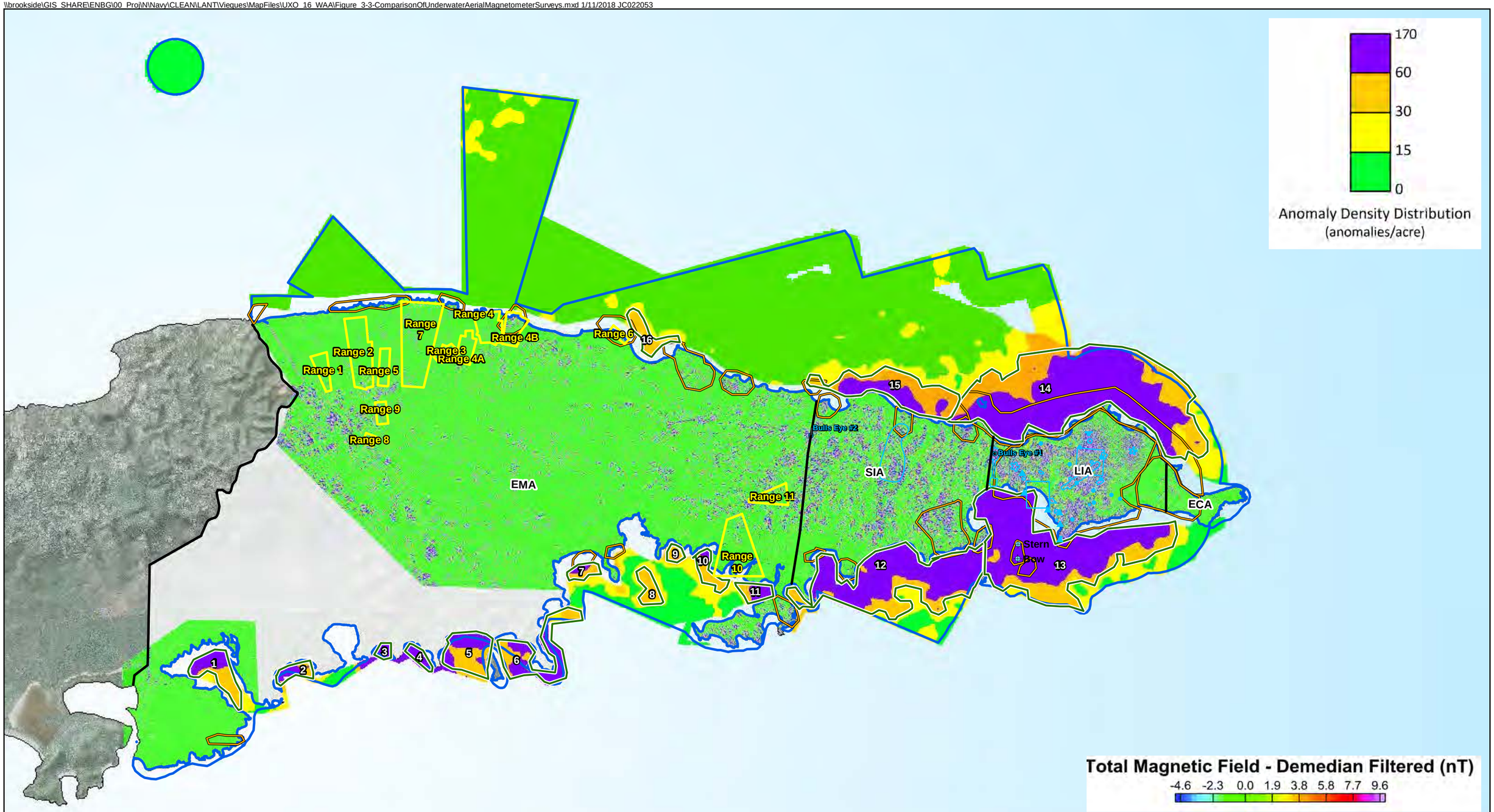
- Potential munition observed during WAA survey
- Transect
- UXO 16
- Underwater Elevated Anomaly Density Area

Note:
Potential munitions shown are based on visual observations during the WAA survey.
A total of 234 potential munitions items were observed during review of the WAA videos; 220 of those items are located within EADAs.

N W E S

0 0.75 1.5 Miles

Figure 3-2
Potential Munitions Observed During WAA Survey
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



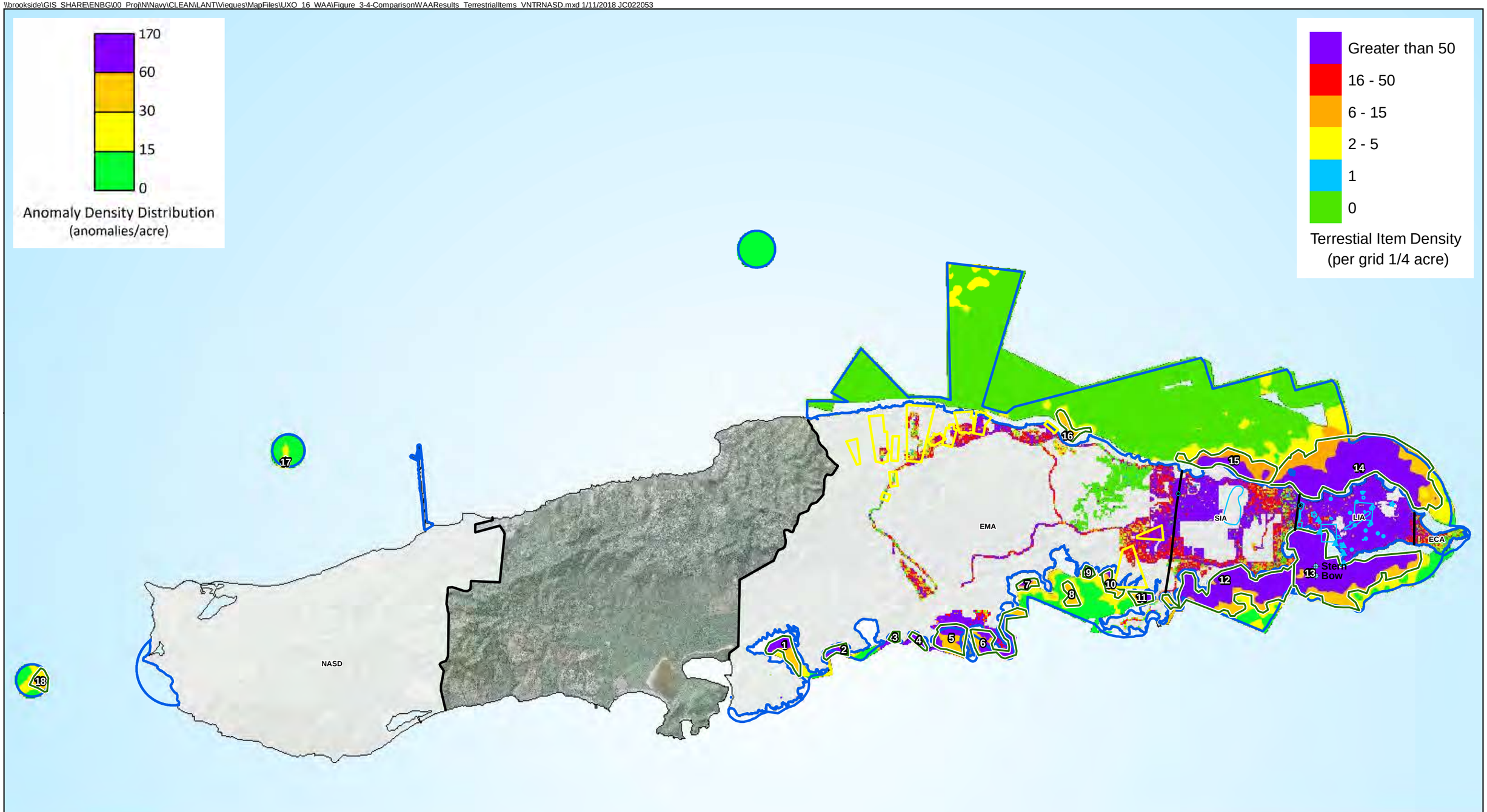
Legend

- USS Killen Wreck
- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Target Area
- Range
- UXO 16
- Underwater Elevated Anomaly Density Area
- Elevated Anomaly Density Area from Aerial Magnetometer Survey

N W E S

0 2,500 5,000 Feet

Figure 3-3
Comparison of Underwater and Aerial Magnetometer Surveys
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

- USS Killen Wreck
- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Target Area
- Range
- Underwater Elevated Anomaly Density Area
- UXO 16

N
W E
S

0 2,500 5,000 7,500
Feet

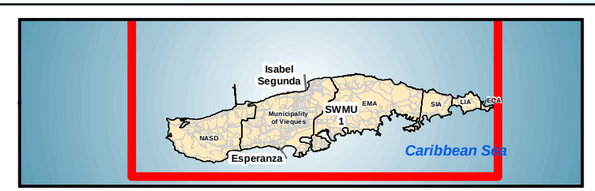
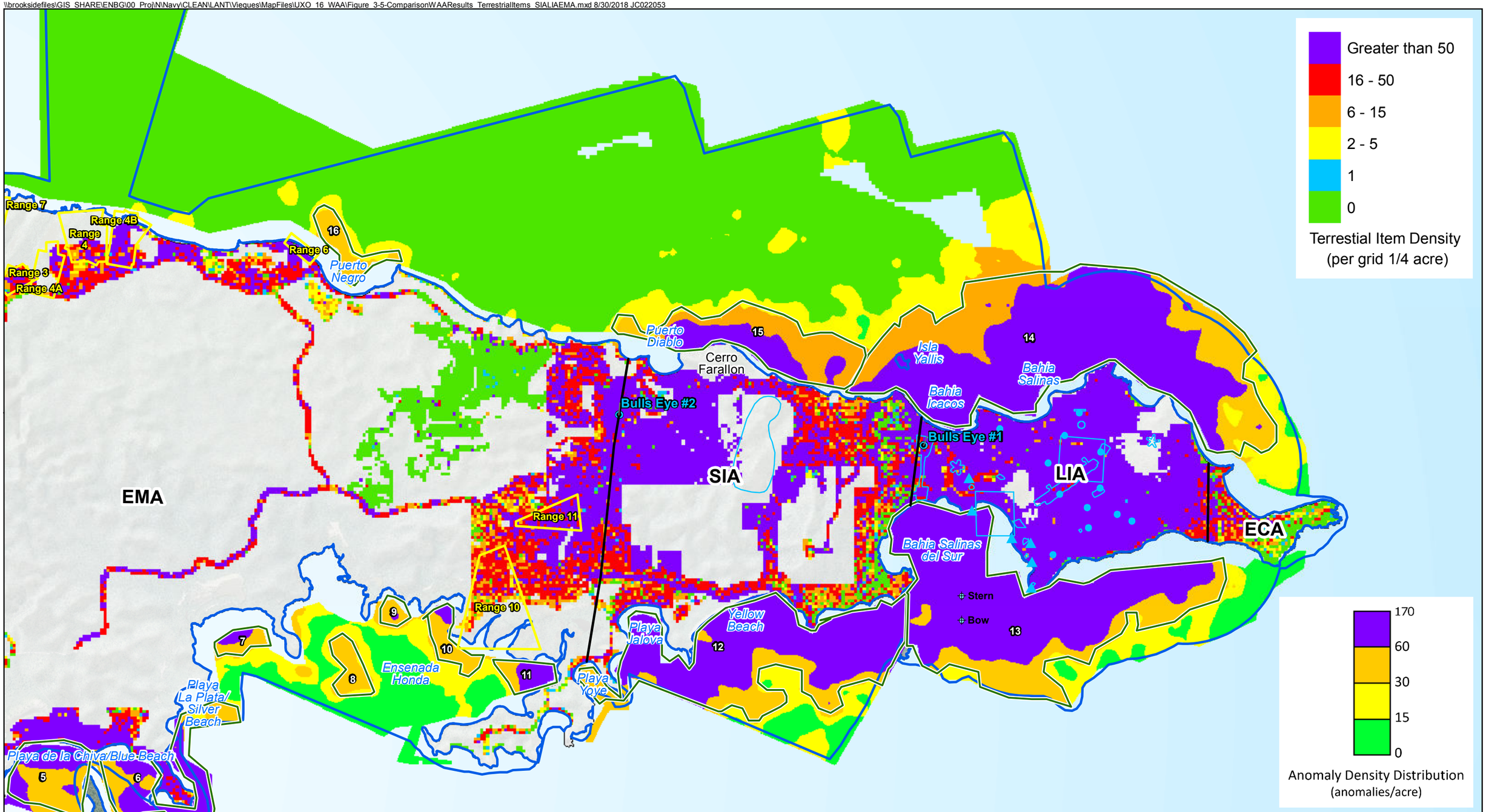


Figure 3-4
Comparison of WAA Results with Terrestrial Total Items Identified - VNTR and NASD
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\brooksidefiles\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Figure_3-5-ComparisonWAAResults_TerrestrialItems_SIALIAEMA.mxd 8/30/2018 JC022053



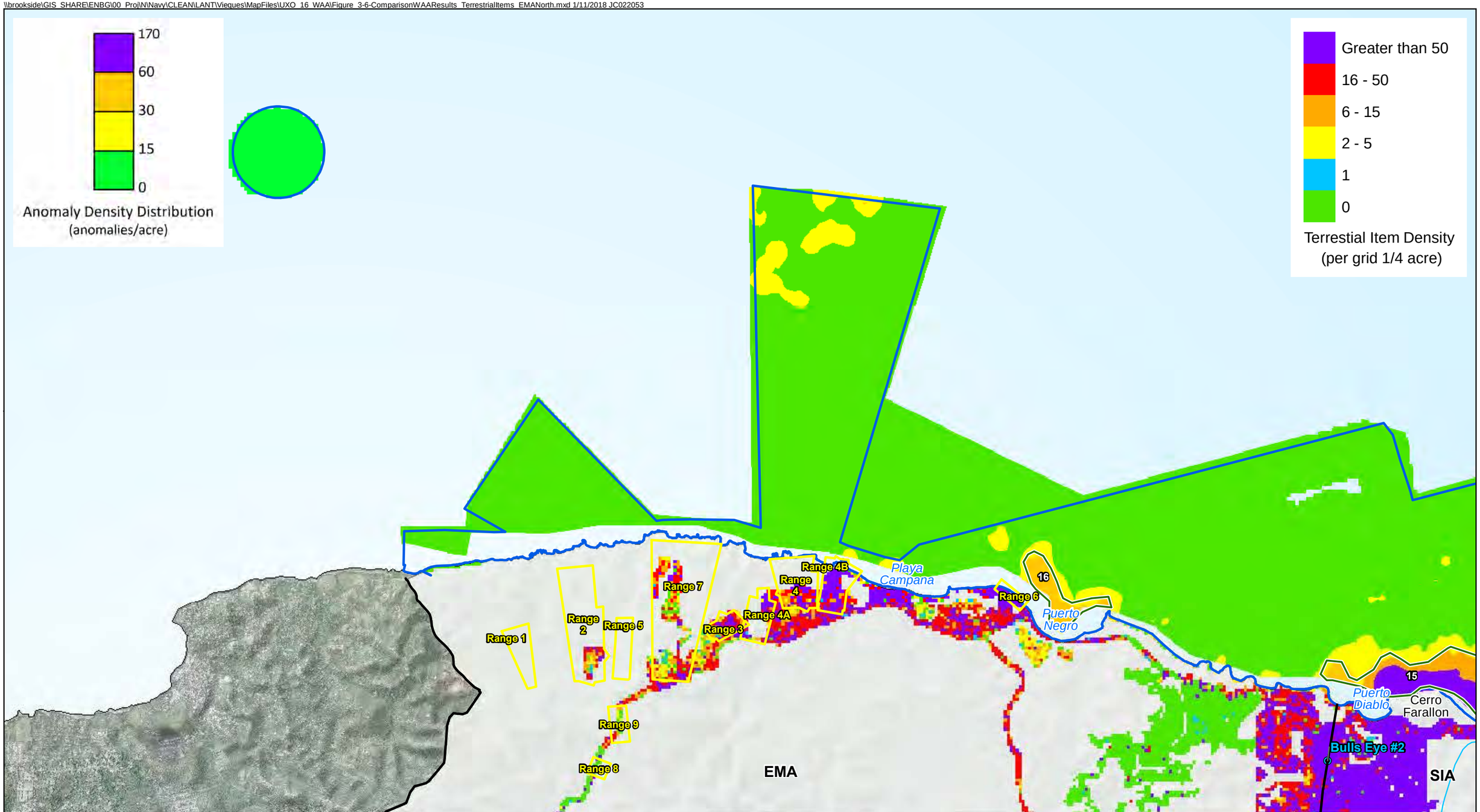
Legend

- USS Killen Wreck
- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Range
- Target Area
- Underwater Elevated Anomaly Density Area
- UXO 16

N W E S

0 1,500 3,000 Feet

Figure 3-5
Comparison of WAA Results with Terrestrial Total Items Identified – SIA/LIA/EMA
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



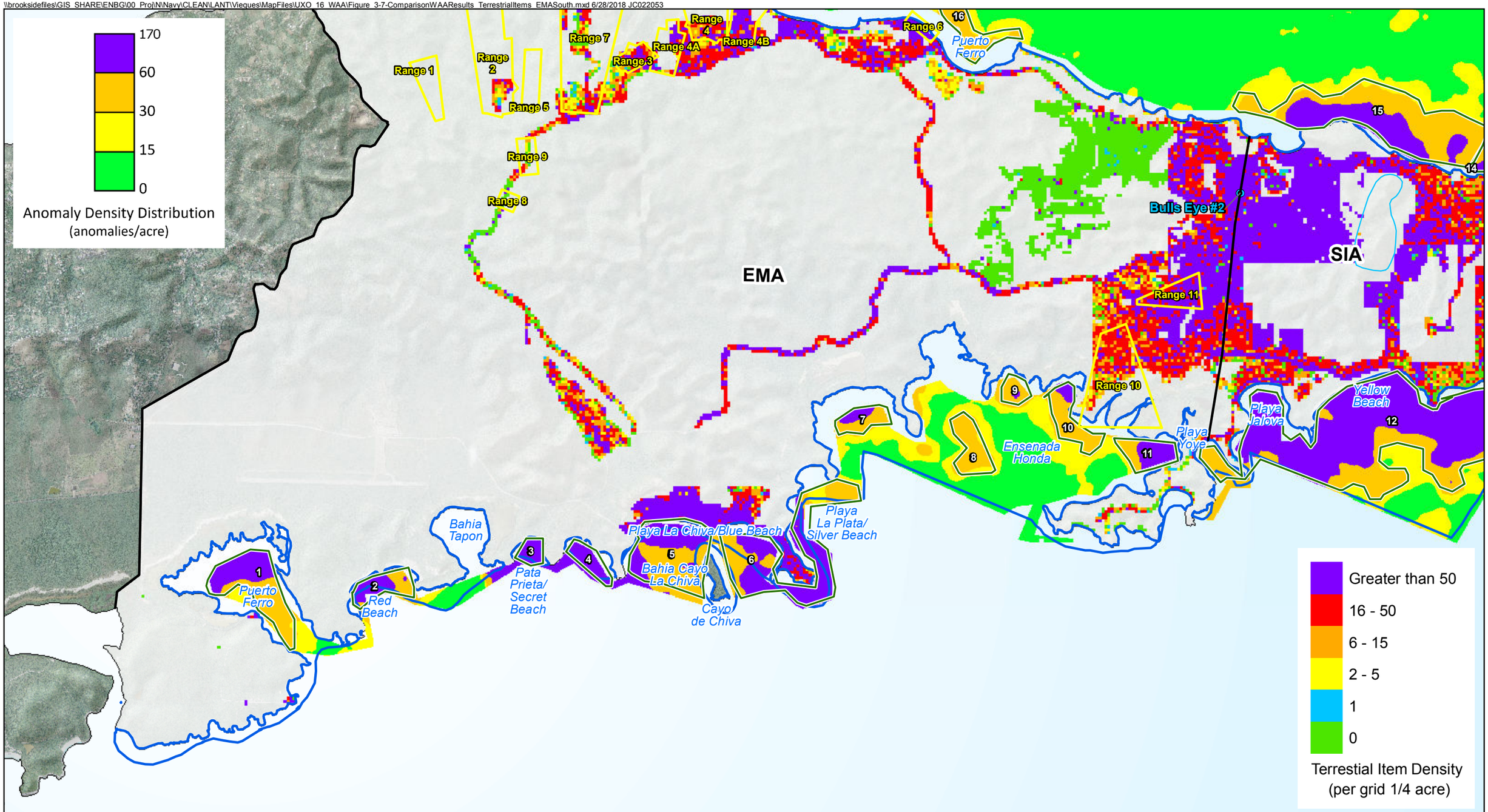
Legend

- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Target Area
- Range
- Underwater Elevated Anomaly Density Area
- UXO 16

N W E S

0 1,500 3,000 Feet

Figure 3-6
Comparison of WAA Results with Terrestrial Total Items Identified – EMA North
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



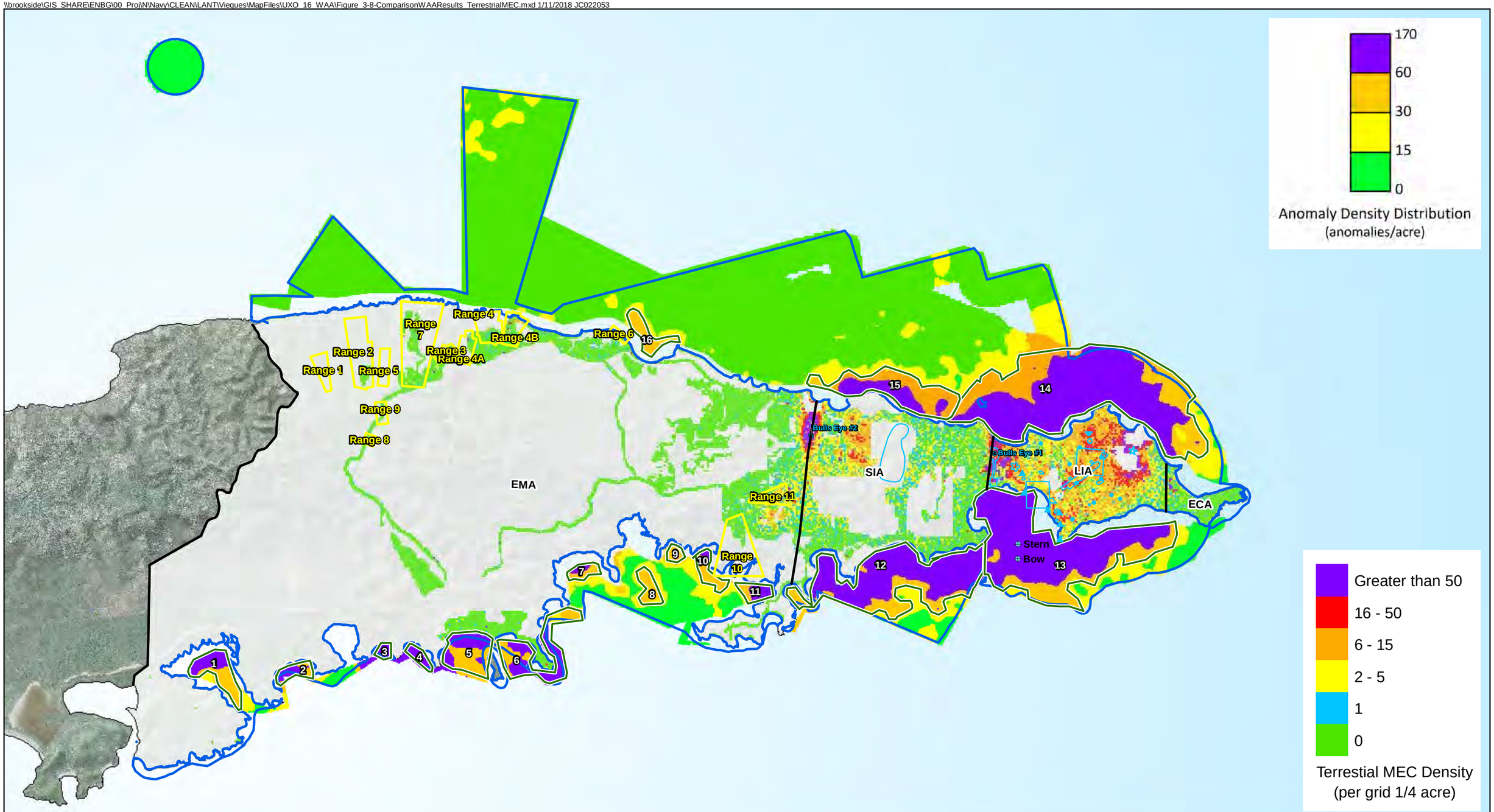
Legend

- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Target Area
- Range
- Underwater Elevated Anomaly Density Area
- UXO 16

N W E S

0 1,500 3,000 Feet

Figure 3-7
Comparison of WAA Results with Terrestrial Total Items Identified – EMA South
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



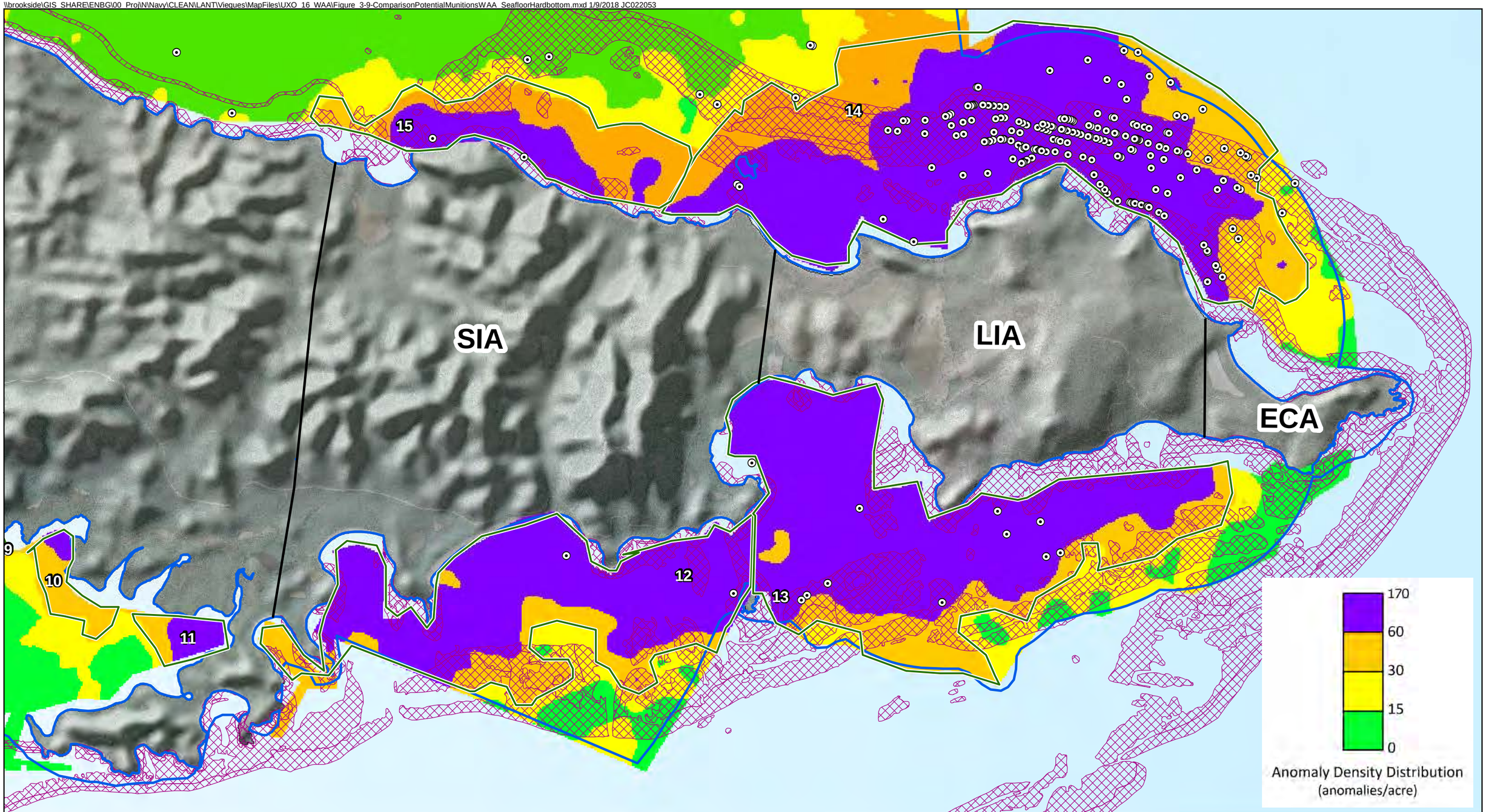
Legend

- USS Killen Wreck
- Historical Air-To-Ground (ATG) Target
- Historical Naval Gunfire Support (NGFS) Target
- Bulls Eye Target
- Target Area
- Range
- Underwater Elevated Anomaly Density Area
- UXO 16

N W E S

0 2,500 5,000 Feet

Figure 3-8
Comparison of WAA Results with Terrestrial MEC Identified
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico



Legend

- Potential munition observed during WAA survey
- UXO 16
- Seafloor >90% Hardbottom (NOAA National Centers for Coastal Ocean Science)

Note:
Potential munitions shown are based on visual observations during the WAA survey.

N
W E
S

0 1,000 2,000 Feet

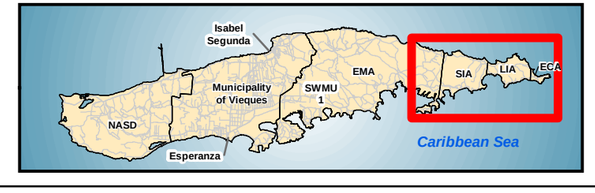


Figure 3-9
Comparison of Potential Munitions Observed During WAA to Seafloor Hardbottom Areas
UXO 16 Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

SECTION 4

Summary and Conclusions of the Wide Area Assessment

The primary objective of the WAA was to determine the presence and distribution of EADAs (which may represent munitions) within UXO 16 to prioritize areas for more focused follow-up investigations/actions. Another objective of the WAA was to collect information that can be used in preparing a programmatic underwater biological assessment and/or protocols to ensure protection of key marine species and habitats during follow-up focused investigations and actions.

Based on the information provided in Sections 1 through 3, the objectives of the WAA have been met, as summarized below.

4.1 Summary of Wide Area Assessment

- The WAA approach used a towed cesium vapor magnetometer array to measure and map distortions of the Earth's magnetic field due to proximity of metallic (ferrous) objects, such as munitions items. These distortions are referred to as anomalies. The density distribution of the mapped anomalies in the magnetic field provide an indication of location and extent of large clusters (EADAs) of metallic objects on or beneath the seafloor.
- Video cameras were mounted on the magnetometer array to visually characterize the seafloor with respect to the bottom types and benthic habitat across UXO 16, as well as identify objects on the seafloor that are potential munitions.
- The magnetometer survey was performed along transects with approximately 330-foot (100-m) spacing throughout UXO 16, modified as necessary based on real-time observations. The survey altitude was generally between 1 meter and 2 meters, except in localized areas where bottom conditions required short-duration raising of the wing. The survey altitude was adjusted in real time to account for seafloor obstructions as well as to avoid contact with sensitive benthic environments (such as corals) and potential munitions.
- A total of 334 survey kilometers (208 miles) were collected, providing an effective coverage of approximately 495 acres. From these data, a review of background noise levels provided average noise levels of 0.17 nT/m resulting in the establishment of a detection threshold of 0.85 nT/m. Based on this detection threshold, a total of 14,683 TOI were selected.

4.2 Conclusions of Wide Area Assessment

- Eighteen EADAs were identified within UXO 16 and are generally consistent with the UXO 16 CSM. As anticipated, the highest anomaly densities and largest EADAs were located adjacent to the LIA and, to a somewhat lesser extent, the SIA. On the northern coast of the EMA, one EADA was located adjacent to Range 6 of UXO 13; however, due to the shallow water depth near the coast it was not possible to determine if there are additional EADAs immediately offshore of the various UXO 13 ranges, although the results suggest that even if there are, they do not extend significantly from the coastline and/or are too small, localized, or deep to be detected. On the southern coast of the EMA, multiple EADAs were located adjacent to public boating and beaches and may be a result, at least in part, of cultural debris; multiple EADAs were also located within Ensenada Honda, the source of which may also include cultural debris. Two EADAs were also identified within the westernmost and northwestern anchorage areas. No EADAs were identified offshore of the ECA or within the northern anchorage area.
- Portions of EADAs adjacent to the LIA and southern SIA extend to the UXO 16 boundary.

- A total of 234 objects that could be munitions were identified on the seafloor via the video cameras on the wing. The majority of these objects were identified adjacent to the LIA and on the seafloor in areas with greater than 90 percent hard bottom. This information, coupled with the EADA information, indicates the majority of the anomalies identified likely occur within sediment beneath the seafloor. Individual potential munitions items were observed in several places at or near the UXO 16 boundary adjacent to the LIA and western SIA.
- The WAA is the initial, broad evaluation of the nature and extent of potential munitions within UXO 16, providing preliminary data upon which to base follow-up, focused investigations as part of the continuing RI. In addition, the vast majority of anomalies are likely beneath the seafloor, as evinced by the visual observations made along every geophysical transect relative to the geophysical signatures. Further, the distribution and densities of geophysical anomalies identified during the WAA are generally consistent with what was anticipated based on the CSM, and this distribution has been subject to numerous major storms and hurricanes throughout the years of military training. Therefore, while it is certainly possible that individual, proud metallic items may have moved (horizontally or vertically), as a result of Hurricane Maria, it is unlikely that the distribution and density signature identified by the WAA has been altered in any observable manner.
- The primary technical lesson learned is that the smaller vessel size was beneficial for surveys within bays and shallower water depths; however, the vessel had challenges in open water where the waves were commonly 6-feet and higher; therefore, under similar conditions at Vieques or elsewhere, different vessel types should be considered.

4.3 Wide Area Assessment Data and Technology Use

As the UXO 16 path forward is developed, the WAA data can be used as follows:

- To estimate the extent of potential munitions within UXO 16.
- To aid in the development of a Master QAPP for the UXO 16 RI, which will prioritize areas within the site for further investigation, develop the investigation strategy and approach, describe the investigation technologies to be used, and provide an updated CSM including future land use. The Master QAPP will include the results of the WAA, along with results of the additional archival records search related to UXO 16, the Beach Dynamics Investigation, recent UXO 16 NTCRAs, and other historical activities within UXO 16. As warranted, areas where the WAA vessel could not/did not reach and areas outside the current UXO 16 boundary where the WAA data suggest additional site-related anomalies may exist will be addressed as part of future studies.
- To establish a baseline data set for potential use in any future land use controls and associated long-term monitoring. The WAA technology and transect approach can be used to determine the long-term stability of EADAs.
- To aid in the development of a Programmatic Biological Assessment to assess the potential effects of future investigations and actions within UXO 16 on Endangered Species Act listed species or designated critical habitats. The Programmatic Biological Assessment will include habitat evaluations of the video data collected as part of the WAA.

SECTION 5

References

Aqua Survey, Inc. (ASI). 2017. *Technical Report Digital Geophysical Mapping Survey, UXO 16 Wide Area Assessment, Former Naval Ammunition Support Detachment and Former Vieques Naval Training Range, Vieques, Puerto Rico.* September 18.

CH2M HILL, Inc. (CH2M). 2014a. *Quality Assurance Project Plan, Beach Dynamics Investigation, Eleven Beaches at the Former Vieques Naval Training Range (VNTR) and the Former Naval Ammunition Support Detachment (NASD), Atlantic Fleet Weapons Training Area – Vieques, Vieques, Puerto Rico*. February.

CH2M. 2014b. *Site Management Plan, Fiscal Year 2015, Atlantic Fleet Weapons Training Area Vieques Island, Puerto Rico*. December.

CH2M. 2015. *UXO 16 Wide Area Assessment Work Plan, Atlantic Fleet Weapons Training Area – Vieques, Former Naval Ammunition Support Detachment and Former Vieques Naval Training Range, Vieques, Puerto Rico.* December.

CH2M. 2017. *UXO 16 Adjacent to Cayo La Chiva, Non-Time-Critical Removal Action, After Action Report, Atlantic Fleet Weapons Training Area – Vieques, Former Vieques Naval Training Range, Vieques, Puerto Rico.* Draft. November.

Cotto, Esteban Mujica. "Clarification Regarding the AFWTA NPL Designation." Letter to Mr. Jane Kenny, EPA. 26 May 2004. MS. Vieques, Puerto Rico.

Department of the Navy (Navy). 1999. *Atlantic Fleet Weapons Training Facility Log Book of Water Hits From 1989-1999*.

Federal Register. 2004. National Priorities List for Uncontrolled Hazardous Waste Site, Proposed Rule. Volume 69, No. 156, 50118. August 13.

Geo-Marine, Inc. (GMI). 2005. *An Assessment of the Condition of Coral Reefs off the Former Navy Bombing Ranges at the Isla de Culebra and Isla de Vieques, Puerto Rico. Final Report. USACE Contract Number DACA87-03-H-0014.*

GMI. 2007. *Preliminary Underwater Survey of Munitions Related Items and Non-Munitions Debris, Vieques Island, Puerto Rico*.

National Oceanic and Atmospheric Administration (NOAA). 2007. *Vieques Underwater UXO Demonstration Projects, Vieques Island, Puerto Rico*. November 2006 & June 2007.

Naval Facilities Engineering Command (NAVFAC). 2003. *Preliminary Range Assessment Report, Vieques Naval Training Range, Vieques Island, Puerto Rico*. Final Draft. April.

Naval Ordnance Safety and Security Activity (NOSSA). 2004. *UXO Investigations at Explosive Anchorages*.

Science Applications International Corporation (SAIC). 2009. *Demonstration of the Marine Towed Array on Bahiá Salinas del Sur, Vieques, Puerto Rico*. Draft. November.

Sibert, Edwin L. 1993. *Operation Portrex*. September 22.

Sky Research, Inc. (SKY). 2009. *HeliMag Survey Report, Aerial Magnetometer Survey, Former Vieques Naval Training Range (VNTR), Vieques, Puerto Rico.* 26 June.

USA Environmental, Inc. (USAE). 2012. *After Action Report, Remotely Operated Vehicle (ROV), Underwater MEC Services, CLEAN 8012, CTO-006. Vieques, Puerto Rico*. July.

Appendix A
Digital Geophysical Mapping Survey Technical Report

Technical Report
Digital Geophysical Mapping Survey, UXO 16 Wide Area Assessment, Former Naval Ammunition Support Detachment and Former Vieques Naval Training Range, Vieques, Puerto Rico

SPONSOR

CH2M
Chantilly, Virginia

SURVEY COMPANY

Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

ASI Project Number 36-002

September 18, 2017

Technical Report
Digital Geophysical Mapping Survey,
UXO 16 Wide Area Assessment,
Former Naval Ammunition Support Detachment and
Former Vieques Naval Training Range,
Vieques, Puerto Rico

SPONSOR

CH2MHill
Chantilly, Virginia

ASI Project Number 36-002

This report, as well as all records and raw data were audited and found to be an accurate reflection of the study. Copies of raw data will be maintained by Aqua Survey, Inc., 469 Point Breeze Road, Flemington, NJ 08822.

09/18/2017

Kenneth Hayes **Date**
President

09/18/2017

Mark Padover **Date**
Lead Field Scientist

Table of Contents

I. ACRONYM LIST 1

II. INTRODUCTION 2
- **A. Background 2**
- **B. Scope of Work 2**
- **C. Site Location and Description 3**

III. EQUIPMENT 6
- **A. Overview 6**
- **B. Positioning 6**
- **C. Marine Magnetometer Array 7**
- **D. Additional Vessel Instrumentation 7**
- **E. Video 7**

IV. SURVEY METHODOLOGY 10
- **A. DGM Data Acquisition 10**
- **B. Data Processing and Interpretation 11**

V. SURVEY ACTIVITIES 12
- **A. Summary of Work Performed 12**
- **B. Presurvey 12**
- **C. DGM Survey 13**
  - **1. Data Collection 13**
  - **2. Data Processing 14**
  - **3. Daily QC Activities 14**
    - **a. Geodetic Functionality 14**
    - **b. System Functionality 14**
    - **c. Noise 15**
    - **d. IVS 15**

VI. RESULTS 17
- **A. Coverage Achieved 17**
- **B. Altitude Performance 20**
- **C. Target Detection 24**
- **D. Video Observations 25**

VII. SUMMARY AND CONCLUSION 25

VII. ATTACHMENTS 26

List of Figures

Figure 1 Site overview map..... 5
Figure 2 System geometry diagram 1..... 8
Figure 3 System geometry diagram 2..... 9
Figure 4 IVS seed item detection graphic 16
Figure 5 Planned transects versus achieved coverage for western survey areas..... 18
Figure 6 Planned transects versus achieved coverage for eastern survey areas…...23
Figure 7 Histogram of altitude values 21
Figure 8 Achieved altitude overview map of western survey areas..... 22
Figure 9 Achieved altitude overview map of eastern survey areas..... 23
Figure 10 Total magnetic field response curves for selected items 24

List of Tables

Table 1 IVS seed item locations 15
Table 2 Number of altitude values in 0.2 meter increments 20

Attachments

Attachment A. Surveyed Transect Maps

Attachment B. Transect Summary Table

Attachment C. Array Altitude Maps

Attachment D. Anomaly Maps

Attachment E. Daily QC Results Tables

Attachment F. Photos

Attachment G. Root Cause Analyses

Attachment H. Data Deliverables Details

I. ACRONYM LIST

AFWTA	Atlantic Fleet Weapons Training Area
AS	analytic signal
DGM	digital geophysical mapping
DGPS	differential global positioning system
EADAs	Elevated Anomaly Density Areas
ECA	Eastern Conservation Area
FTL	Field Team Leader
FTP	file transfer protocol
GIS	geographic information system
GPS	global positioning system
LIA	live impact area
MEC	munitions and explosives of concern
MQO	Measurement Quality Objective
N/A	not applicable
NASD	Naval Ammunition Support Detachment
NAVAIR	Naval Air Systems Command
NAVFAC	Naval Facilities Engineering Command
Navy	Department of the Navy
NOAA	National Oceanic and Atmospheric Administration
NOLTF	Naval Ordnance Laboratory Test Facility
NOSSA	Naval Ordnance Safety and Security Activity
nT	nano-Tesla
PA	Preliminary Assessment
PDR	Puerto Del Rey
PM	Project Manager
PQO	Project Quality Objective
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RI	Remedial Investigation
RTK	real-time kinematic
SOP	standard operating procedure
SSS	side-scan sonar
TBD	to be determined
TMF	total magnetic field
TVG	transverse gradiometer
TX/RX	transmit/receive
USGS	United States Geological Survey
UXO	unexploded ordnance
VNTR	Vieques Naval Training Range
WAA	Wide Area Assessment

II. INTRODUCTION

A. Background

CH2M HILL required a subcontractor to perform underwater digital geophysical mapping (DGM) surveys using total field magnetometry and side scan sonar in support of a Wide Area Assessment (WAA) to assess the potential presence of munitions offshore at the former Naval Ammunition Support Detachment (NASD) and the former Vieques Naval Training Range (VNTR) in Vieques, Puerto Rico. The purpose of this investigation was to obtain preliminary data to support Navy decision-making with respect to conducting future investigation of the areas surveyed. The investigation will provide the Navy with preliminary information on the presence, extent, and density of geophysical anomalies in the investigation areas that could be indicative of the potential presence of munitions and explosives of concern.

The overall objectives of the DGM survey in support of the WAA were to:

- evaluate the anomaly density conditions to aid in the planning of focused investigations;
- identify and delineate elevated anomaly density areas (EADAs)
- characterize sea floor conditions including obstructions and ecological regimes within UXO16

The data collected during the WAA were to support the overall objectives and to provide sufficient data and coverage to allow the objectives to be met. Specifically, the DGM survey identified geophysical anomalies associated with items that may or may not be munitions and explosives of concern (MEC). The DGM survey does not confirm the presence or absence of MEC, nor does it delineate the extent of MEC present at each site of interest, but it does identify locations for anomaly investigation to make such a determination.

B. Scope of Work

As requested by CH2M HILL, the subcontractor performed the following tasks:

Task 1: Health and Safety Documents (Activity Hazard Analysis [AHA]) were provided in an effort to improve the standard of safety. Standard Operating Procedures (SOPs) were provided for DGM surveying activities. The Underwater Wide Area Assessment Work Plan was reviewed.

Task 2: Mobilization/Demobilization of personnel and equipment was arranged.

Task 3: Underwater DGM surveys of the investigation areas were conducted. Side scan sonar and bathymetric survey data were supplied and used in planning transects completed prior to the DGM survey in order to detect and avoid any obstructions located in the investigation area. The DGM survey was then conducted to detect any geophysical anomalies and tested for QC to ensure proper functionality. Data collection deliverables were produced following the processing for each respective data package throughout the project duration.

Task 4: Post Survey Reporting was conducted.

The DGM survey was performed between 17 March 2016 and 12 May 2017. All survey activities followed QC procedures in order to establish confidence in the accuracy of the geophysical data. These QC procedures are detailed in the UXO 16 Wide Area Assessment Work Plan (CH2M HILL, 2015) (herein referred to as the Work Plan). Data were collected along transects while adhering to both the Work Plan and Site Safety and Health Plan.

C. Site Location and Description

Vieques

Vieques is located in the Caribbean Sea approximately 7 miles southeast of the eastern tip of the main island of Puerto Rico and 20 miles southwest of St. Thomas, U.S. Virgin Islands. It is approximately 20 miles long and 4.5 miles wide, and has an area of approximately 33,088 acres (51 square miles).

UX016

UXO16 is approximately 11,500 acres and comprises three former ship anchoring points as well as areas where munitions may have been inadvertently fired into the water from Naval gunfire training, air-to-ground bombing, and artillery and training ranges. UXO16 comprises the waters surrounding the former VNTR and NASD where the Navy historically conducted operations. Each of the component areas of UXO16 are summarized below.

The boundary of each of the three anchorage areas was defined by the area in which the ammunition supply ship would rotate around a single anchorage point. The two westernmost anchorage areas were defined with a maximum radius of 440 yards and the other anchorage area with a maximum radius of 500 yards.

The safety fans provide an estimate of the lateral extent of the potential munitions impact area extending from the ranges and artillery gun positions. The explosives safety arc provides a maximum primary fragment distance (3,219 feet as measured from the shoreline) for a MK 83 high explosive filled bomb, primarily

in the area of the live impact area (LIA). This area also includes documented water hits based on air-to-ground bombing and naval gunfire support rounds that were recorded by the Navy (Department of the Navy, 1999).

For extra caution at shorelines, all offshore areas to a depth of 10 feet surrounding the former VNTR (outside the explosives safety arcs and artillery safety fans) are included as part of UXO16. The majority of this area is contained within the safety arcs and fans described above; outside of these areas, coverage is primarily along the southern portion of Vieques from Puerto Ferro to the eastern portion of Playa La Chiva (Blue Beach), as well as the eastern tip of the Eastern Conservation Area (ECA).

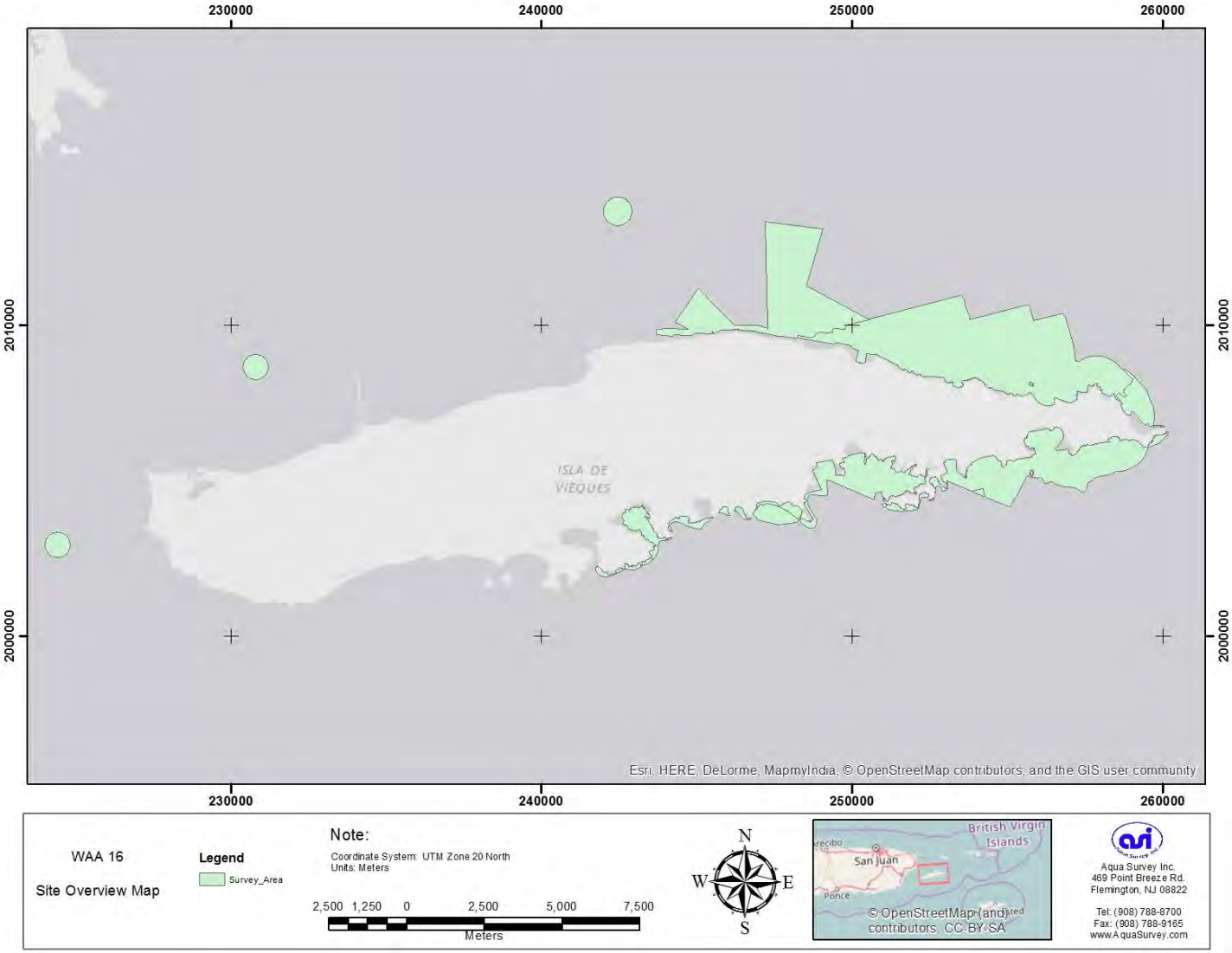


Figure 1 Site overview map

III. EQUIPMENT

A. Overview

The survey was conducted using a custom marine magnetometer wing towed behind a custom A-frame mounted to a survey vessel. The DGM data collection system hardware includes real time kinematic global positioning system (RTK GPS) units, magnetometers, altimeters, pressure sensors, motion sensors, an angle arm encoder, and a line length encoder.

B. Positioning

Three separate RTK GPS units are used as part of the survey system One to supply RTK corrections and for vessel navigation. The two others are used for heading and A-frame position for use in calculating the array position. RTK corrections are supplied to the GPS units used to position the wing from a Hemisphere AtlasLink multi-GNSS, multi-frequency smart antenna which is preconfigured to receive corrections from Atlas GNSS global correction service. The primary source of data in the Atlas GNSS system comes from a global network of approximately 200 GNSS stations distributed worldwide. The data are used to generate satellite correction data, which includes orbit and clock error information. This information is then encoded into the Atlas correction message format, which is then sent from the many Atlas control centers located across the globe to the final users. The correction message is transmitted to the receiver on the boat via the L-band satellite signal. The AtlasLink receiver then converts the correction information into an industry standard CMR+ sentence which is sent to the two survey GPS units. Dual Trimble SPS-855 global positioning system (GPS) receivers provide the DGM acquisition system with time information, A-Frame position, vessel heading, and yaw at a rate of ten times per second.

The positional accuracy that the system uses is a combined solution of the GPS, angle encoder, line length measurement, IMU, and platform altitude. The native accuracy of the RTK GPS system is less than 30 cm, with the other system components accounting for an overall estimated error budget of 4.5 feet. The project MQO for system accuracy is 5 feet. Individual sensor values from the GPS fix quality indicator, angle encoder, line length measurement, IMU and platform altitude are reviewed in the Geosoft gdb file in profile format. Values that indicate a sensor was not operating correctly were flagged for removal, such as RTK fix quality $\neq 3$ and platform altitude with large spikes due to air bubbles between the sensor and the bottom.

C. Marine Magnetometer Array

The marine magnetometer wing (array) is constructed of high-density foam with a strong fiberglass exterior, making the sensor wing lightweight, durable, and non-magnetic. The platform is equipped with five Geometrics G-882 cesium vapor magnetometers that are spaced 1 m apart to detect the presence of ferrous metallic objects for an effective swath width of 6 meters. The array is equipped with a center mounted Tritech PA500 altimeter as well as pressure sensors mounted near each wing tip. Incorporated into the wing is a Honeywell HRM3400 digital compass which supplies pitch, roll, and heading data for the array. Information from these instruments is displayed real-time for the survey crew as well as being recorded for later processing.

Weights are attached to the wing keels as well as to the wing tips as ballast so the wing flies level while it is being towed. A variable weight system in mounted on the tow line in front of the wing. The amount of weights are adjusted based on the depth of the transects to be surveyed.

D. Additional Vessel Instrumentation

Water depth beneath the vessel is supplied by a Garmin fathometer/chart plotter. Vessel pitch and roll data are collected via a solid-state digital compass mounted to the survey vessel. The array is towed via braided line from a high-speed electric winch. The tow line is fed through a pulley with a line length encoder which displays and records the length of deployed tow cable to within a millimeter (mm). After exiting the pulley, the line is fed to a pivoting arm which is equipped with an angle encoder to show the horizontal angle at which the array is being towed behind the survey vessel.

E. Video

Two separate underwater video systems were used during data acquisition. A GoPro Hero 4 Black equipped with a high-capacity battery is mounted to the bottom of the right side of the brace in front of the array. It has a wide field of view and is set to record data in high-definition at 60 frames per second which allows for generally clear images when paused during data review. Mounted to the other side of the front brace is a high-definition drop camera which sends real-time video information to the survey vessel. Data from the drop camera is also recorded as a backup for the GoPro in case there is an issue such as the GoPro housing leaking or battery not being able to be changed due to sea conditions.

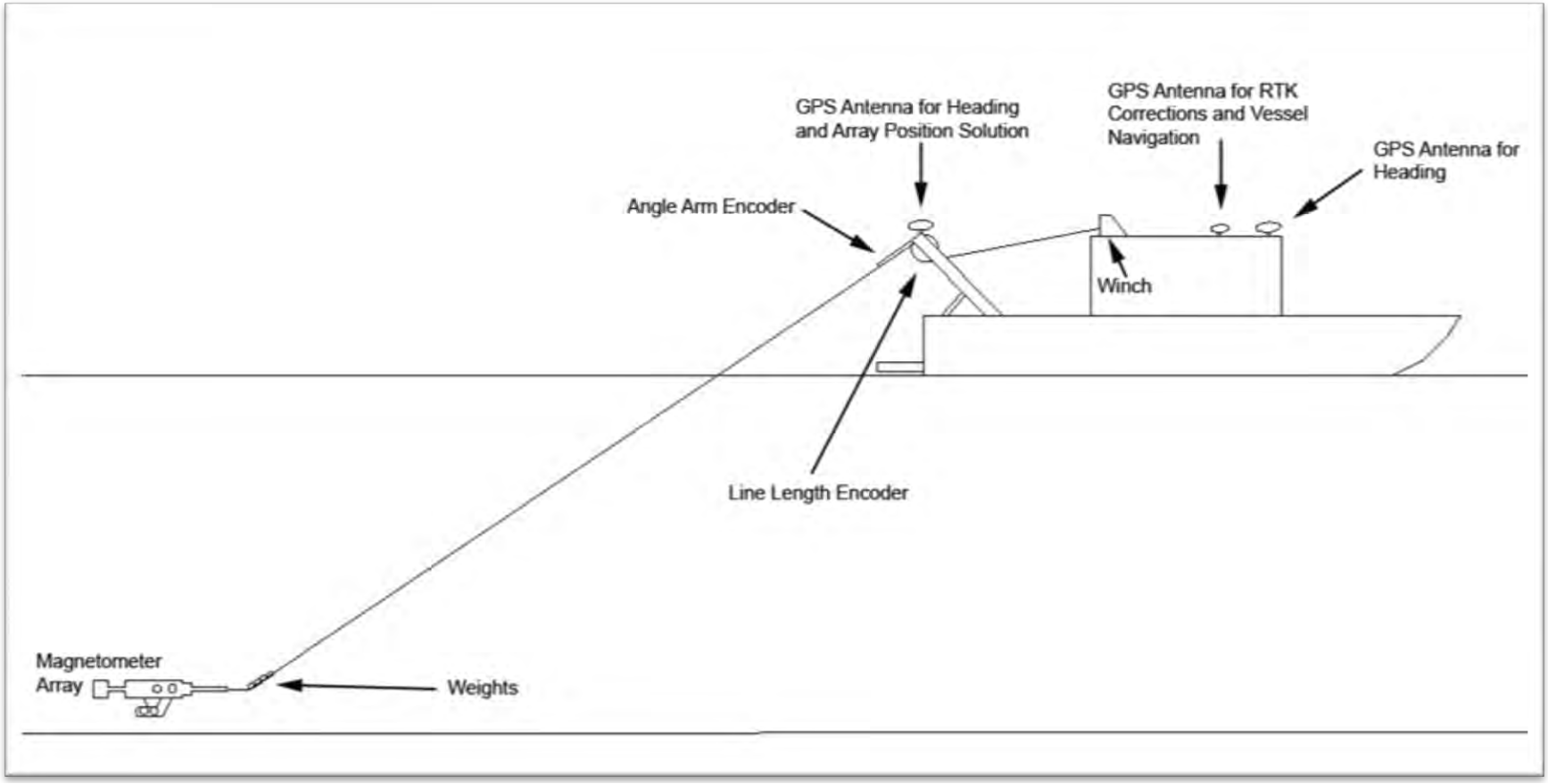


Figure 2 System geometry diagram 1

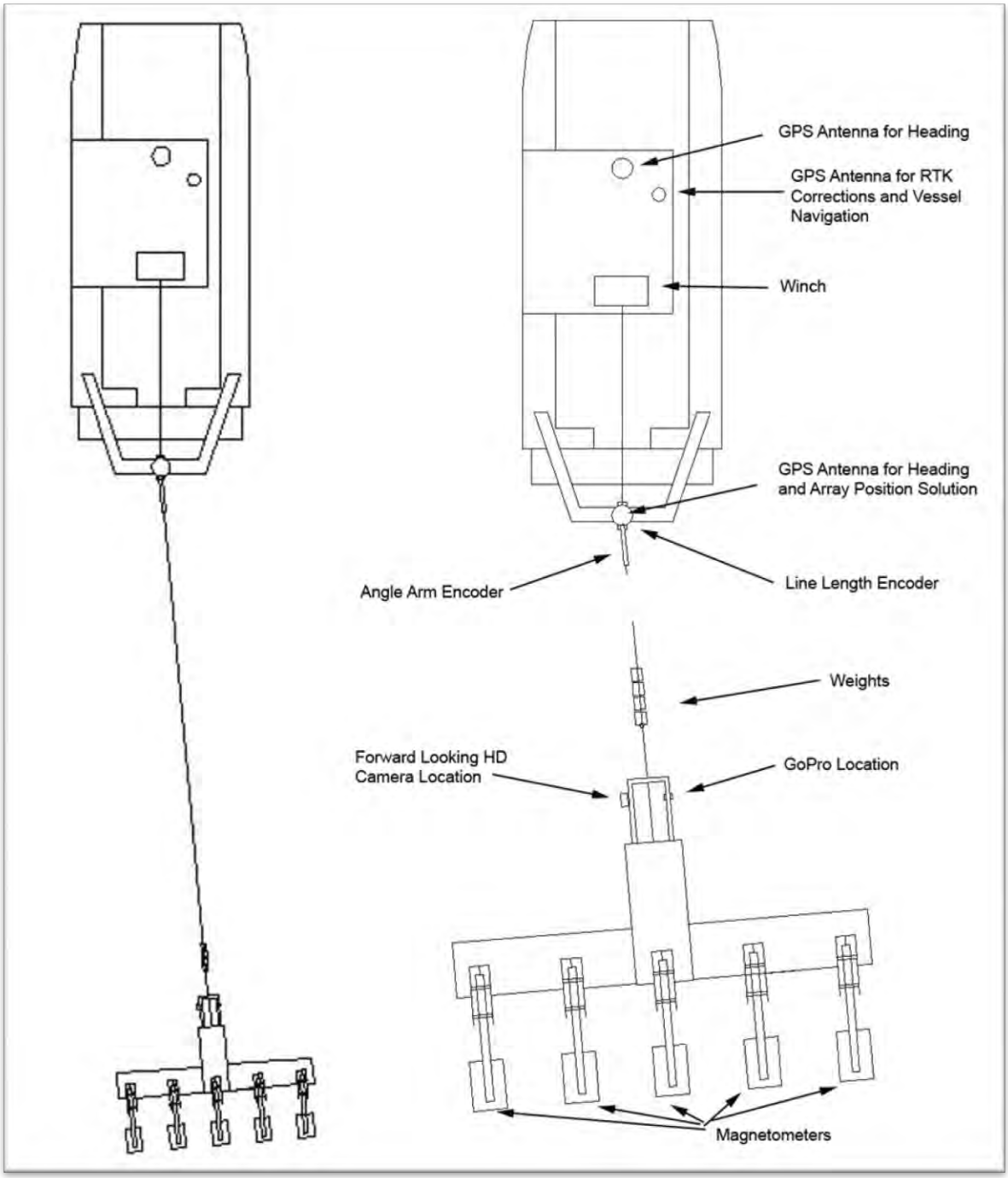


Figure 3 System geometry diagram 2

IV. SURVEY METHODOLOGY

A. DGM Data Acquisition

Planned transect information as well as available background information is loaded into Hypack survey control and navigation software. Output from the AtlasLink receiver is sent to Hypack where offsets between the tow point and receiver mounting locations are entered and used to display the tow point position relative to the planned transect. The vessel operator uses this information to follow the planned transect.

The magnetometer array is towed as close to the seafloor as possible without making contact with the bottom. The array is intentionally brought to a higher altitude to avoid impacting marine life including marine corals and/or the sea floor during periods with significant swell. When raised to avoid marine life or an obstruction, the array is brought back to the appropriate survey altitude as quickly as possible once clear. Output from the vessel fathometer is displayed with the wing pressure sensors to allow the survey technician to warn the winch operator of changes in depth.

To maintain an appropriate altitude and allow sufficient layback that the survey vessel does not introduce noise into the magnetometer data, the tow line is fed through the center of 12 pound clusters of weights. When surveying in shallow water, zero or one weight cluster is used. When surveying in greater than 60 feet of water, up to seven clusters are used. Each is connected to prevent them separating and sliding along the tow line. Output from the array altimeter and line length encoder are displayed for the winch operator. Output from the forward looking camera is supplied to three monitors in the survey vessel for the winch operator, vessel operator, and survey technician. The winch operator dynamically controls the array altitude by deploying or recovering tow line. The video feed allows the winch operator to anticipate and avoid marine life and uncharted obstructions. If visibility is limited which prohibits the winch operator for having sufficient time to raise the array and the potential for impact with marine life is possible, surveying is stopped.

The vessel and wing offset position of the system sensors (magnetometers, altitude, depth sensors, GPS, IMU) are stored in HDRNet. The offsets are checked prior to the deployment of the Marine Mag system. The offset measurements of the sensor wing are calculated from the tow point ring at the nose of the wing. The position of the wing tow point is calculated using the wing depth, wing attitude, encoder angle, vessel heading, vessel IMU, cable length, and vessel position. Magnetometer sensor position offsets are then calculated from the tow point position to determine each sensor position. The system utilizes a state-of-the-art data acquisition system (DAS) that logs data at 20-Hertz frequency. Per measurement performance criteria (MPC) for marine geophysical surveys, positional target accuracy was required to be 5 feet, measured at the IVS.

The DAS has integrated operator guidance software that displays the vessel position as well as the wing position, depth and altitude. Towfish position is modeled within Hypack solely to approximate when the wing enters and exits a planned transect however this position modeling is not used for DGM data as it does not incorporate real-time line length changes or angle arm encoder data.

B. Data Processing and Interpretation

All raw data from the DGM system are logged in SkyDAS software and combined using proprietary HDRNet merging software to create XYZ files. HDRNet is a MATLAB based software package optimized for large datasets used to merge the data from the system instruments based on the UXOLab software library. The data follows a site specific processing data flow in HDRNet that may include low-pass filtering of the GPS positions, encoders, inertial measurement units, and altitude sensors. The magnetometer data is then merged with the tow point position with individual offsets for each magnetometer sensor. After sensor merging a detrend cutoff filter may be applied to the magnetometer readings. The final HDRNet step exports the dataset into an Oasis Montaj Geosoft XYZ file format. Following conversion of the raw magnetometer transect data, all files are loaded into Geosoft's Oasis Montaj for pre-processing. Pre-processing steps include coordinate projection and correcting transect numbering issues in the raw data. As the marine magnetometer array requires all line length movements to be recorded, data recording begins before the wing is sent to the seafloor and recorded until it is retrieved to just behind the survey vessel. Line paths are plotted from the data and extra data is clipped from the start and end of each line as appropriate. Non-valid altimeter readings are removed by hand/interpolated. Bad altitude readings are never more than 2-5 seconds in length; other sensors such as pressure depth are monitored as redundant sensors to validate the wing altitude during these times. Lag correction is applied to the magnetometer data if necessary.

The positioned total magnetic field data are ‘gridded’ (i.e. interpolated to regularly spaced grid nodes) at 0.5 meter intervals to derive a total magnetic field ‘grid’. Because the total magnetic field response to a ferrous object is dipolar, these grids are converted to analytic signal grids computed as the square root of the sum of the squares of the spatial derivatives in the X, Y and Z directions. By definition, the analytic signal does not have negative components and peaks in the computed analytic signal occur directly over the source object.

Anomalies are selected by using automatic peak threshold detection on the analytic signal grid. The anomalies will be reviewed using the total field grid surface to eliminate artifacts from the computation of the analytic signal. Each automated target pick is further analyzed to remove multiple picks on single targets as well as noise picks. During this review, anomalies may be added and removed based on the interpretation of the data.

V. SURVEY ACTIVITIES

A. Summary of Work Performed

Project field activities occurred between 8 March 2016 and 12 May 2017. The long duration of the project was primarily due to vessel repair and weather issues at the site. There was a large gap in data collection between 22 May and 2 November 2016 due to the vessel engine compartment flooding and requiring significant repair. There was also a gap between 5 December 2016 and 18 January 2017 for vessel maintenance and the holidays as well as gap between 14 February and 31 March to repair the vessel outdrives. A significant number of weather days occurred due to the exposed nature of the survey areas. A total of 43 partial or complete survey days were required to complete the surveyed transects.

Project activities included mobilization, site setup and an initial survey, DGM surveys, and demobilization. The initial surveys were conducted to find areas clear of magnetic anomalies for the establishment of the daily IVS's. Side scan sonar mosaics and bathymetric data of the survey areas from previous surveys were also used during survey operations to anticipate obstructions and changes in bottom topography necessitating sensor altitude changes to avoid bottom contact. DGM data were collected within the specified ranges.

B. Presurvey

DGM survey line spacing was approximately 100 meters, however varied to achieve coverage within areas of reef or rapid depth changes. Transects were initially designed using a combination of data from previous side scan sonar and bathymetric surveys as well as aerial photography. Changes in depth and bottom type were accounted for during the planning of the transects to achieve as complete coverage as possible. In order to minimize the chance of contact between the survey equipment and sea floor, transects were not designed with sharp turns or across areas with rapid changes in depth.

Project control was initially established at NGS benchmark PID: AB9846 on the main island of Puerto Rico. Control was transferred from that benchmark to a temporary benchmark at Puerto Del Rey marina for the start of the project when the survey vessel was kept there. Corrections from the AtlasLink are supplied using the ITRF2008 datum which takes into account continental drift. In order to correct the ITRF positions to WGS84 on Vieques, it was found that a correction of -0.32 meters east and -1.02 m north needed to be applied to the positioning data.

Ellipsoid:	WGS84
Coordinate System:	UTM Zone 20
Units:	Meters

Two control points established by CH2M at Beach 5 and Beach 17 were used for daily checks when the survey vessel was moored at those beaches.

Three instrument verification strips were installed for the project. One was installed with a single large item (10 inch diameter by 4 foot long steel pipe) near Puerto Del Rey Marina for use when the vessel was kept there. Once the vessel was moved to moorings on Vieques, two additional IVS' were installed at Beach 5 and Beach 17. Initially Beach 5 had a single medium ISO in the IVS on 4/17/16. An additional large ISO was added on 04/20/16. The Beach 17 IVS was installed using one medium and one large ISO on 5/19/16. Prior to planting the test items, appropriate areas were pre-surveyed using the magnetometer array. Locations were then chosen for the test items. The medium and large ISO's were then secured to concrete blocks. The test items were lowered from the surface to just above the sea floor on a slip line and released at the pre-determined locations. Following the installations, multiple passes were made over the installed items. Passes were also made which were offset to either side of the installed locations to determine the actual as-built locations for the items.

C. DGM Survey

1. Data Collection

DGM surveying took place over 21 full survey days and 22 partial survey days. Of the partial days, 15 were due to weather and 5 were due to equipment issues. The remaining 2 were due to vessel remobilization or needing to bring the vessel for maintenance. Average production during full survey days was 11,336 meters covering 16.8 acres. Average production during partial survey days was 4,424 meters covering 6.6 acres.

During the project, transects were prioritized by importance. Priority 1 were the highest priority and were to be surveyed first. Priority 2 were to be surveyed once all priority 1 transects were complete or if weather did not allow for collection of priority 1 transects but data could be collected on priority 2 transects. Priority 3 transects were to be collected last. Additional transects near the northern range fan and Cayo Chiva were added during survey operations.

Survey transects were planned using remote sensing data. Certain transects were added near-shore where it was questionable but unknown whether depth and coral coverage would allow their collection. Once on-site, those transects were evaluated and some transects or portions of transects needed to be modified or omitted. Of the 495 final transects, 47 originally-planned transects were omitted, 31 transects were shortened or lengthened, and 22 transects were added.

2. Data Processing

The data were processed as described in Section IV(B). No lag correction was applied to the magnetometer data. In HDRNet merging software, two iterations of a demedian filter with a 25 sample window were applied to the raw total field magnetometer data. Once imported into Geosoft Oasis, a 3-fiducial low pass filter was run on the filtered mag channel that was output from HDRNet's merging sequence to remove high frequency noise content and without affecting sharp dipole responses. Analytic signal grids were created for each transect. Targets were selected from the grids as discussed further in the results section.

Data deliverables included raw uncorrected DGM data, processed data in Geosoft Oasis Montaj (.gdb), Geosoft .map files of the of the processed and gridded DGM data, as well as target lists. Details on delivered files can be found in Attachment H. Results of the daily QC tests were also provided. MRSIMS entries were completed for each days data to facilitate data tracking.

3. Daily QC Activities

Daily QC activities included a daily geodetic functionality test, system functionality test, noise line collection, and morning and afternoon IVS collection.

a. Geodetic Functionality

Prior to survey activities each day the SPS-855 unit which received RTK corrections from the AtlasLink and supplied survey vessel position to the DAS was tested against known control points established at each vessel mooring location. Results are shown in Appendix E. The average offset between the actual location and the daily check results was 0.10 meters. There were no failures of this test during the project.

b. System Functionality

Functionality tests were conducted before survey operations each day. To test each magnetometer, a wrench was brought to each sensor in order from magnetometer 1 to magnetometer 5. Following magnetometer testing, the angle arm encoder was tested by manually moving the arm from side to side. The line length encoder was then tested by pulling the tow line through the pulley and verifying a change in the length of line out. The functionality test data were profiled to make sure each magnetometer as well as the line length and angle arm encoders were functioning properly. The system passed the functionality test every day. On 11/11/16 and 11/16/16 the functionality tests had to be manually reviewed as they could not be automatically merged due to the lack of a GPS time stamp at the time of the test.

c. Noise

Noise lines were collected in deeper water (18 meters or more) when possible with 15 to 20 meters of line out to allow the wing to be far enough behind the vessel that the vessel did not cause noise in the data. The wing also needed to be deep enough to minimize surface noise, but shallow enough that it was not influenced by the ground. Three minutes of data were collected on a relatively constant heading to verify there was no unusual systemic noise. The noise test data were mapped and ends of the data files were clipped if noise was present from the wing being deployed or retrieved. Statistics were run and reported on the noise test data. It was found on several occasions that collecting the noise line in water less than 12 meters deep, with the wing less than 15 meters behind the boat, or into the waves while it was rough out would result in higher than normal noise values, therefore methodology was revised 11/16/16 to run only in deeper water if possible with the wing about 20 meters out and to collect a noise line with and against the seas when it was rough out. No noise line was collected on 4/27/16 as it was too rough to safely deploy or transit the wing to deep water. Data were only collected in protected water near the Beach 5 mooring that day. Results from the noise tests are in Attachment E.

Item	Easting UTM 20N (m)	Northing UTM 20N (m)
PDR IVS Item	222046.84	2023563.66
Beach 5 Medium ISO	256144.64	2007799.9
Beach 5 Large ISO	256145.91	2007817.91
Beach 17 Medium ISO	253149.86	2005358.51
Beach 17 Large ISO	253151.19	2005333.34

Table 1 IVS seed item locations

d. IVS

The morning IVS was run following the geodetic functionality and system functionality tests each day. The afternoon IVS was run following all transect data collection for the day. Multiple passes were made during each IVS survey event to ensure that all items in the IVS were detected reliably. Morning and afternoon IVS data were run through a proprietary IVS tool which performed an inversion on the magnetometer data and reported positional accuracy, amplitude, and pitch for each item in the IVS. Figure 4 shows the cumulative positional accuracy results for the IVS tests during the project.

On three occasions the offset of a test item from its installed location varied by greater than 1.5 meters (Figure 4). The first occurred during the afternoon IVS event of the first survey day at the IVS near Puerto Del Rey (PDR). The offset exceeded the metric by 0.02 meters. The original test item was a section of steel

pipe which was 10 inches in diameter and 4 feet long which proved too difficult to accurately model as a single dipole. As a result, it was determined that future IVS' would be built using ISO's. The second occurred on 4/18/16 where the offset exceeded the metric by 0.01 meters. At that time there was only one medium ISO in the IVS. This item had a relatively weak signature and was located where the signatures from background materials could influence its modeled location. Therefore it was decided to add a second item (a large ISO) to that IVS as well as use the same items for the third IVS that was yet to be built near Beach 17. The final occasion was on 4/12/17 when the offset exceeded the metric by 0.10 meters. This was due to the start of the failure of the line length encoder. On that day a line length encoder failure was detected following the first transect surveyed. Failure of the line length encoder is readily apparent once the wing is brought to the back of the vessel at the end of each transect as the measured slippage of the line through the encoder value is large. Any transect data which were effected by the encoder failure were discarded and the transect was recollected. A single transect of data was collected. The line length encoder again failed during a subsequent transect. Survey activities ended and a more permanent repair was made to the line length encoder system. No subsequent repairs were needed to the encoder nor were any future IVS offset metrics exceeded. Root cause analyses are included in Attachment G.

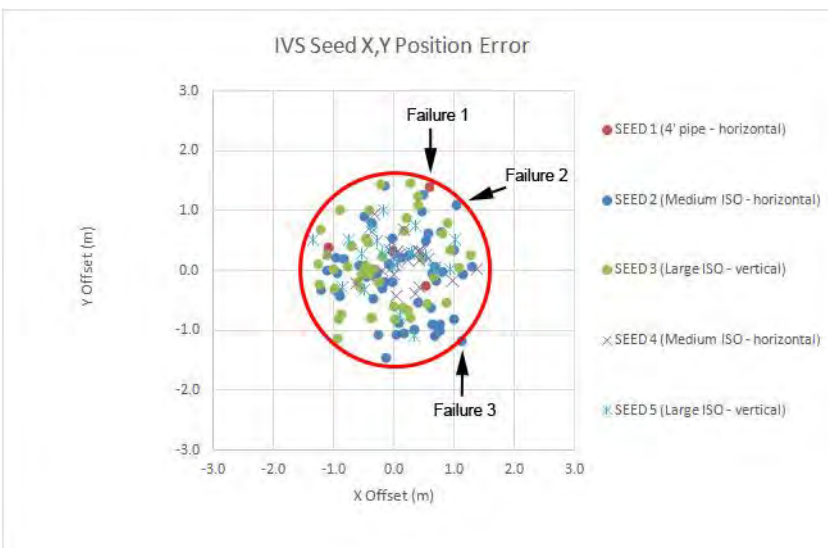


Figure 4 IVS seed item detection graphic

On 6 occasions, no afternoon IVS was collected. Of those, 2 were due to lightning in the area, 2 were due to failure of the forward looking HD video camera, and 2 were due to failure of the line length encoder. With the loss of the forward looking camera, it could not be assured that no contact with marine life would occur. Results from the IVS surveys are in Attachment E.

VI. Results

A. Coverage Achieved

Project field activities occurred between 8 March 2016 and 12 May 2017. In total 333,650 meters of transect were surveyed covering 494.69 acres at a 6 meter swath width which was 4.3 percent of the approximate 11,500 acres. See Figures 5 and 6 for planned versus achieved coverage, Attachment A for maps of the surveyed transects, and Attachment B for the transect summary table.

Due to the fact that transects were planned based on remote sensing data it was necessary to omit or modify transects based on shallow water and/or the presence of shallow corals. Of the original planned transects, 19 transects with a total length of 4,301 meters were omitted. Additionally 14 transects were shortened or lengthened based on actual site conditions for a net loss of 1,340 meters of transect length.

During the survey operations, additional transects were added on both the north and south coasts of Vieques. The additional north transects expanded the range fan near the western end of the survey area and added a total of 20,255 meters of transect. The additional south transects were near Cayo La Chiva and added a total of 5,921 meters of transect.

Lines in the deeper water off the north coast that were not in the range fan were deemed to be the lowest priority and were removed and modified at the request of the Navy. Those transects originally totaled 57,585 meters. The modified transects resulted in a total of 13,211 meters being collected in that region.

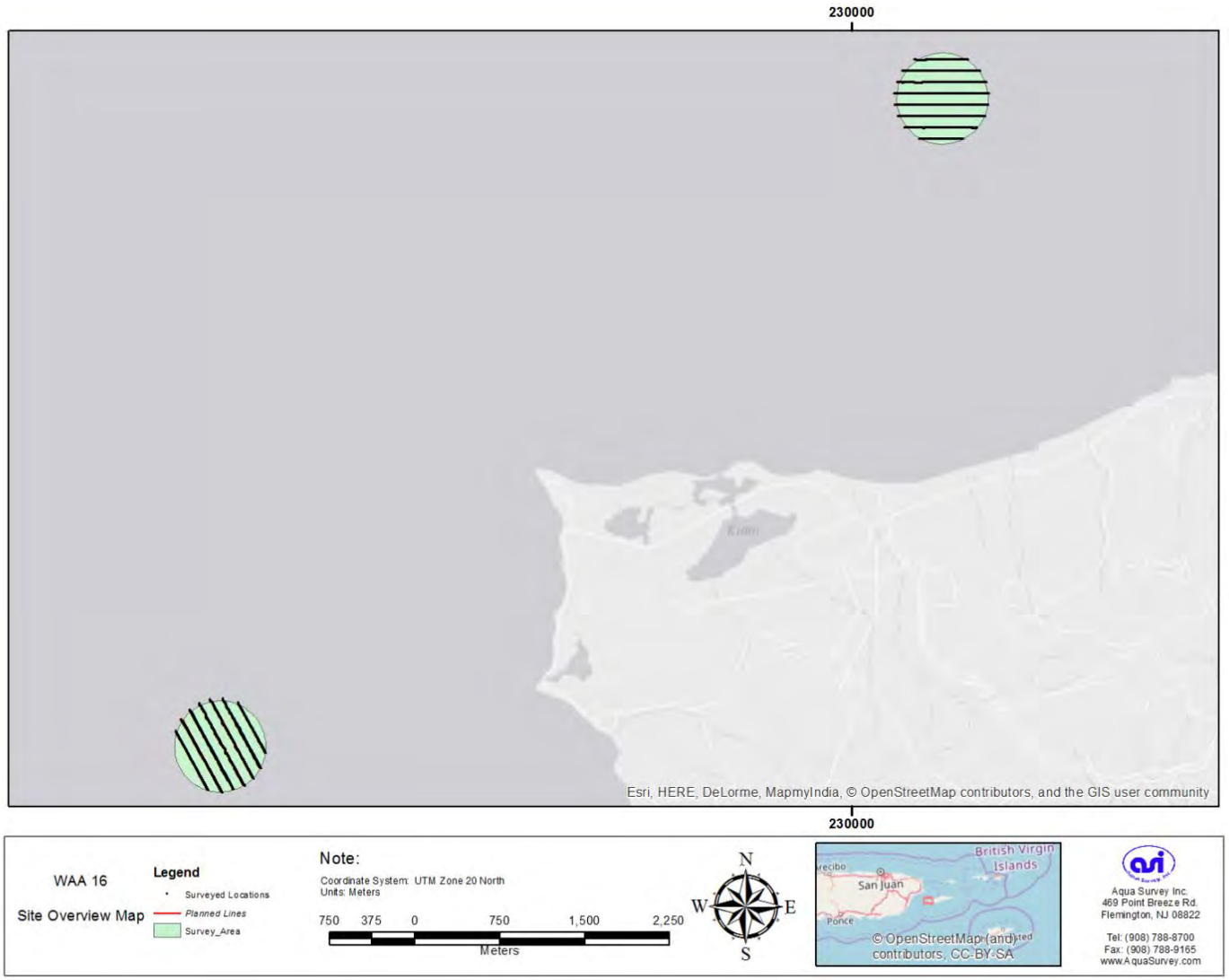


Figure 5 Planned transects versus achieved coverage for western survey areas

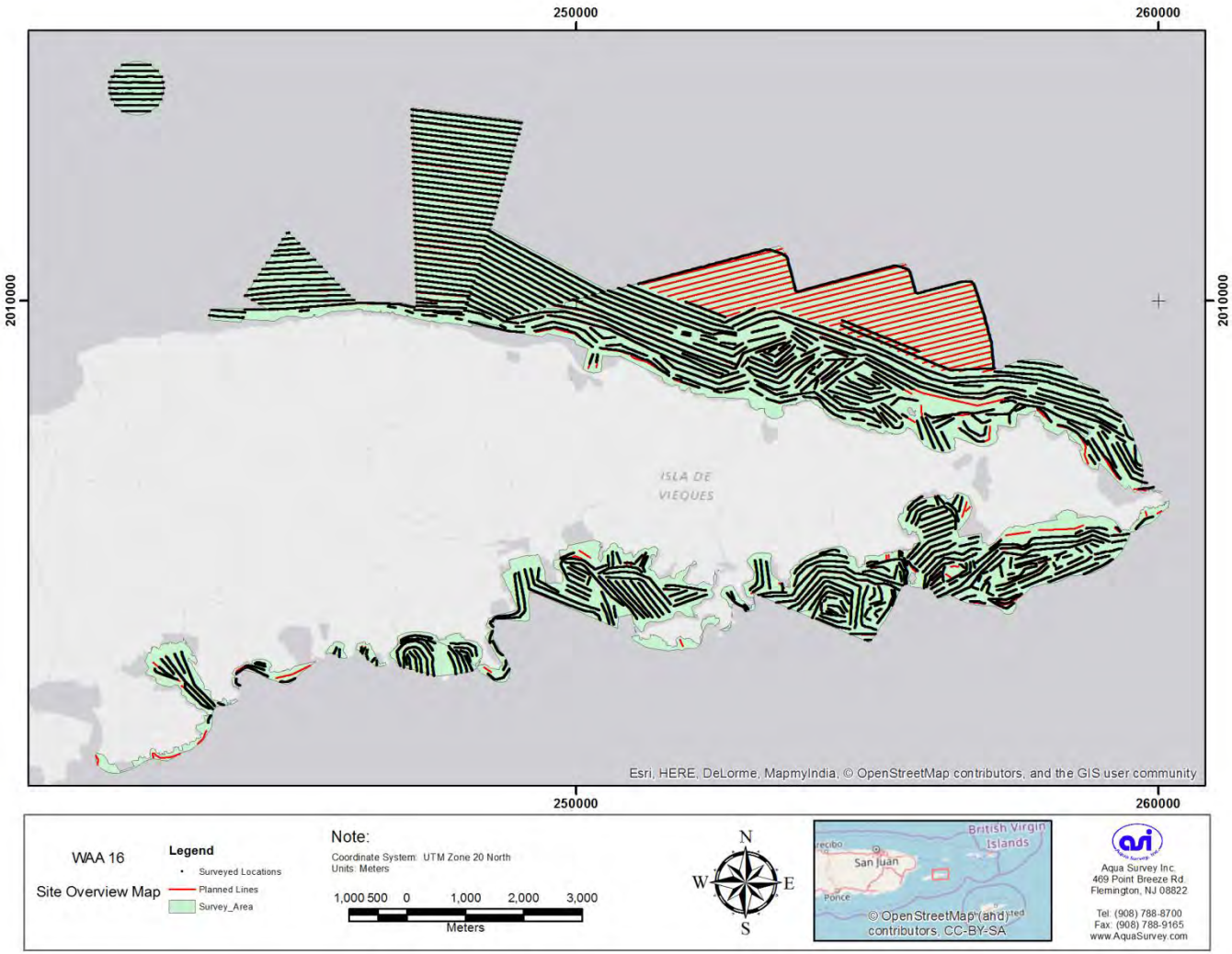


Figure 6 Planned transects versus achieved coverage for eastern survey areas

B. Altitude Performance

In order to avoid contact with marine life or the seafloor during marginal sea conditions, it was sometimes necessary to bring the wing to an altitude above the 2.0 meter metric. Table 2 and Figure 6 summarize and show the number of altitude readings in 0.2 meter altitude ranges. The cumulative percentage shows what percent of the total number of readings were at or below the given altitude range. See Figures 8 and 9 for overview maps of the achieved altitudes and Attachment C for the detailed array altitude maps.

Altitude Range	*Number of Readings*	*Cumulative %*
less than 0.6	0	0.00%
0.6 - 0.8	27658	0.52%
0.8 - 1	4720	0.61%
1 - 1.2	42770	1.42%
1.2 - 1.4	368441	8.40%
1.4 - 1.6	1601418	38.73%
1.6 - 1.8	1561194	68.31%
1.8 - 2	763985	82.78%
2 - 2.2	389131	90.15%
2.2 - 2.4	234360	94.59%
2.4 - 2.6	143373	97.30%
2.6 - 2.8	66815	98.57%
2.8 - 3	31712	99.17%
3 - 3.2	27643	99.69%
3.2 - 3.4	7863	99.84%
3.4 - 3.6	3256	99.90%
3.6 - 3.8	2559	99.95%
3.8 - 4	1373	99.98%
4 - 4.2	236	99.98%
4.2 - 4.4	346	99.99%
4.4 - 4.6	323	99.99%
4.6 - 4.8	201	100.00%
4.8 - 5	120	100.00%
5 - 5.2	13	100.00%

Table 2 Number of altitude values in 0.2 meter increments

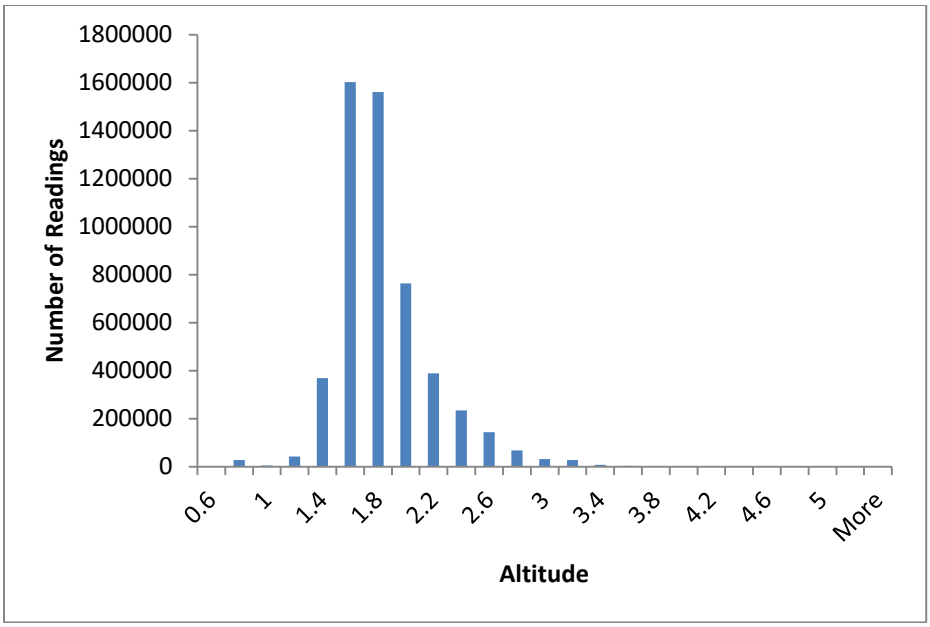


Figure 7 Histogram of altitude values

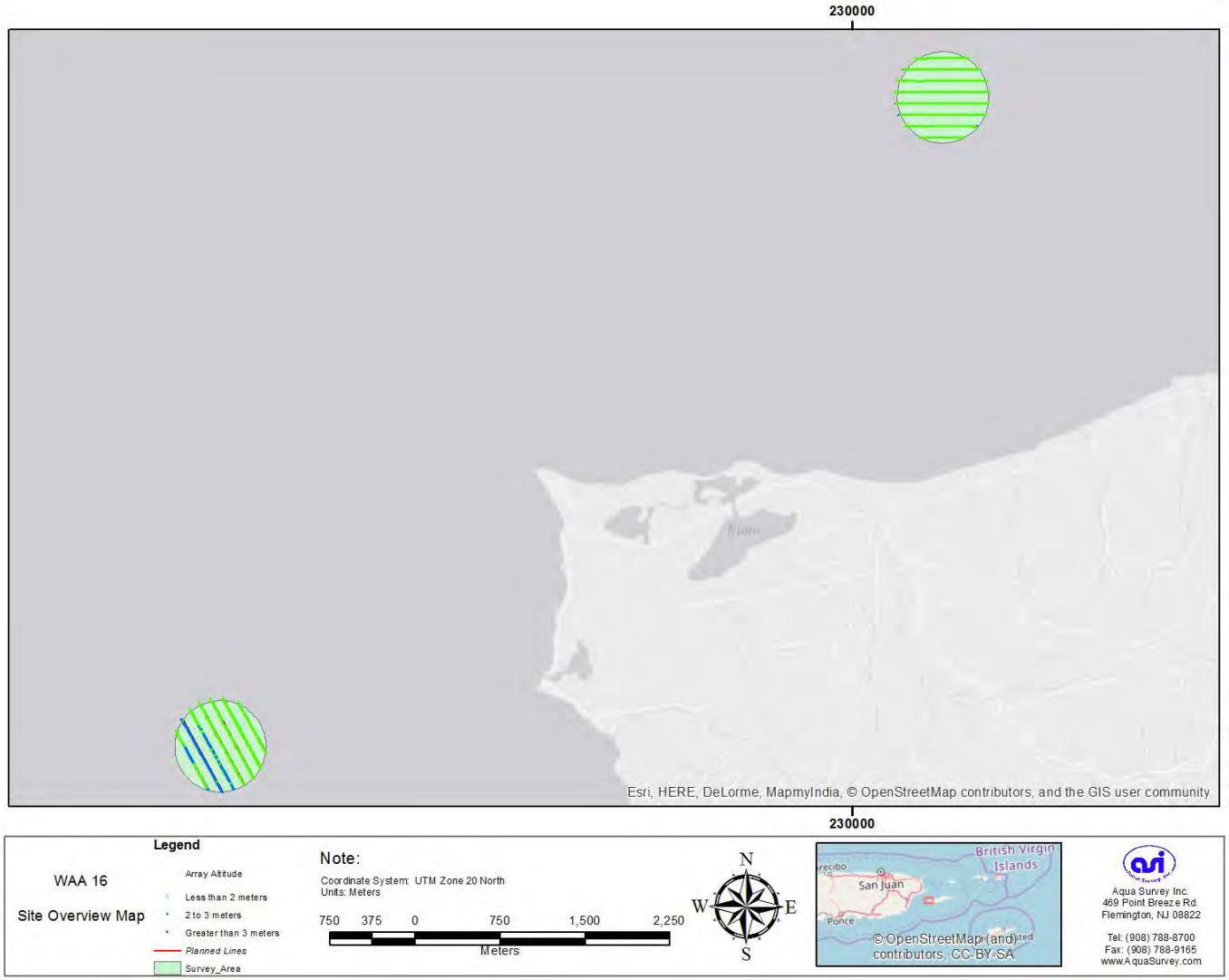


Figure 8 Achieved altitude overview map of western survey areas

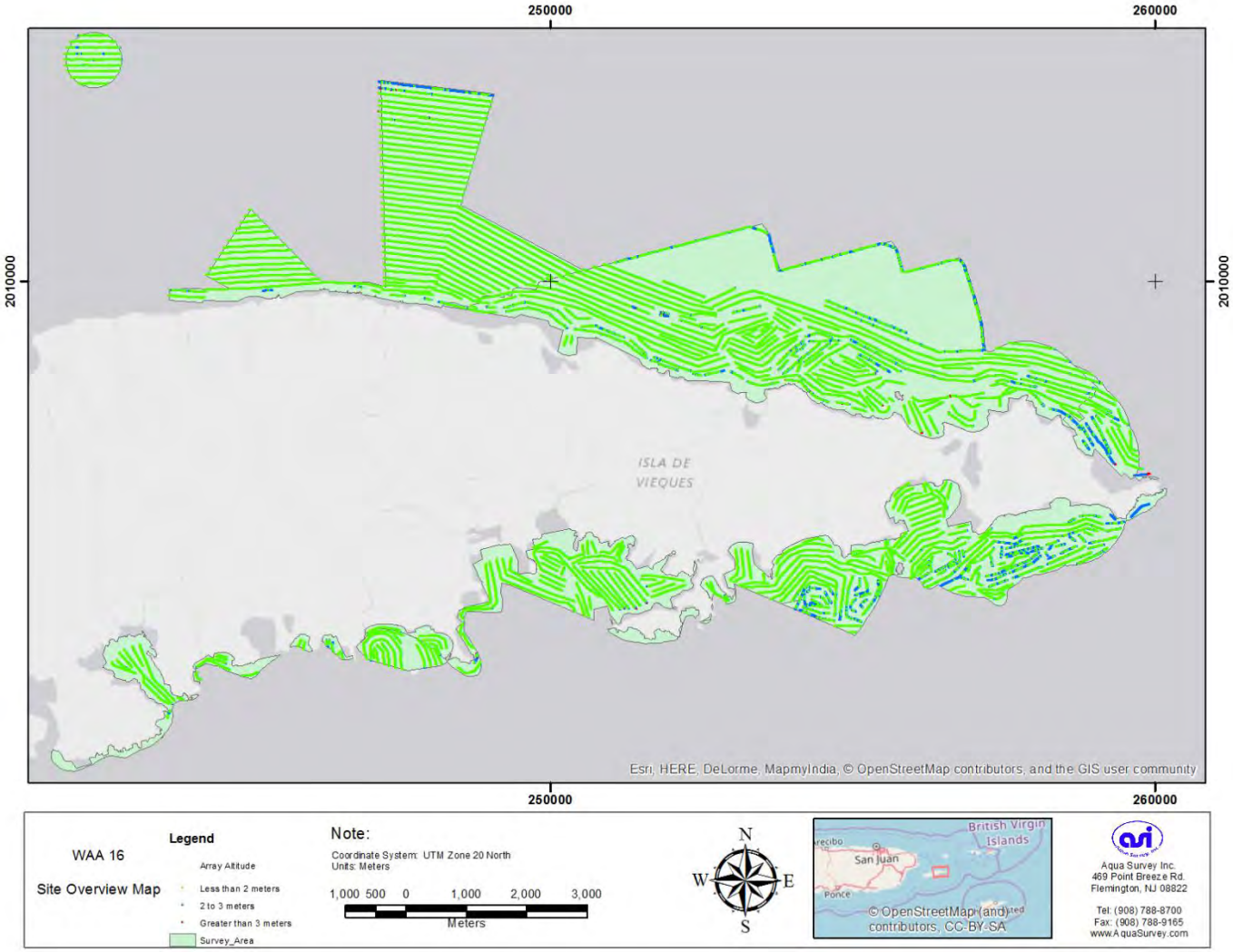


Figure 9 **Achieved altitude overview map of eastern survey areas**

C. Target Detection

Pursuant to the work plan, the target detection threshold was set to 5 times the background noise levels. The platform analytic signal root mean squared (RMS) background noise ranged from 0.15 to 0.2 nT/m (mean = 0.17 nT/m) by reviewing statistics of five survey locations considered to be representative of average survey conditions. As a result, the Blakely picking selection threshold was set at 0.85 nT/m (approximately 5 times the assumed RMS background noise) on the analytic signal grid. Fourteen thousand six hundred and eighty three targets were selected from the DGM data collected. See Attachment D for the anomaly maps.

An equivalent total magnetic field (TMF) target selection threshold was determined through comparison of peak target values on the analytic signal (AS) and TMF grids (e.g., peak values for same target). This analysis showed an approximate 1:1 ratio between compared TMF and AS target peaks, indicating the TMF target threshold should match the AS target threshold, at 0.85. A TMF target threshold/response amplitude of 0.85 nT results in reliable detection of 37mm and 75mm projectiles at maximum distances of approximately 1.2m and 2.4m below the sensor, respectively (Figure 10). Using those values, a 75mm projectile or larger ferrous object on the surface of the seafloor would have been detectable for 94.59 percent and an item the size of a 37mm would have been detectable for 1.42 percent of the transects surveyed. Those percentages assume the object passed beneath the survey wing.

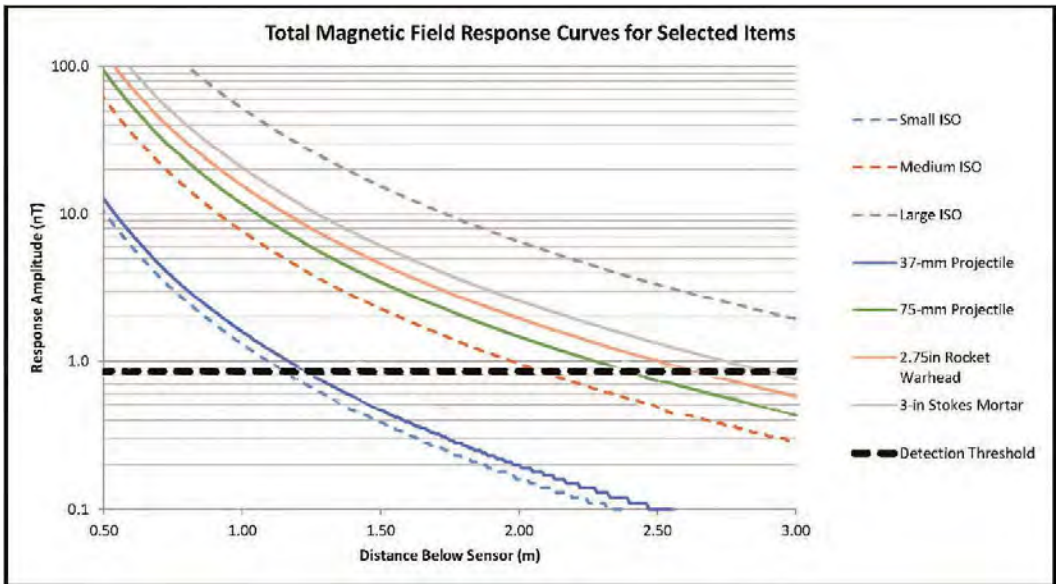


Figure 10 Total magnetic field response curves for selected items

D. Video Observations

Analysis of the video data collected was not part of this scope of work and is being carried out by another company. During survey operations, the vessel crew was sometimes able to see the material generating the magnetic anomaly. It was also possible to see items which were too far from magnetometers to be detected. If there was not sufficient underwater visibility to allow for the avoidance of contact with marine life or items proud of the seafloor, survey operations were not conducted. Observed items included a pipeline, tires, traps, pipes, and miscellaneous other debris as well as items associated with the former training activities. Of the items associated with former training, the largest number that could be seen in the video appeared to be concentrated near the live impact area at the eastern end of the island.

VII. SUMMARY AND CONCLUSION

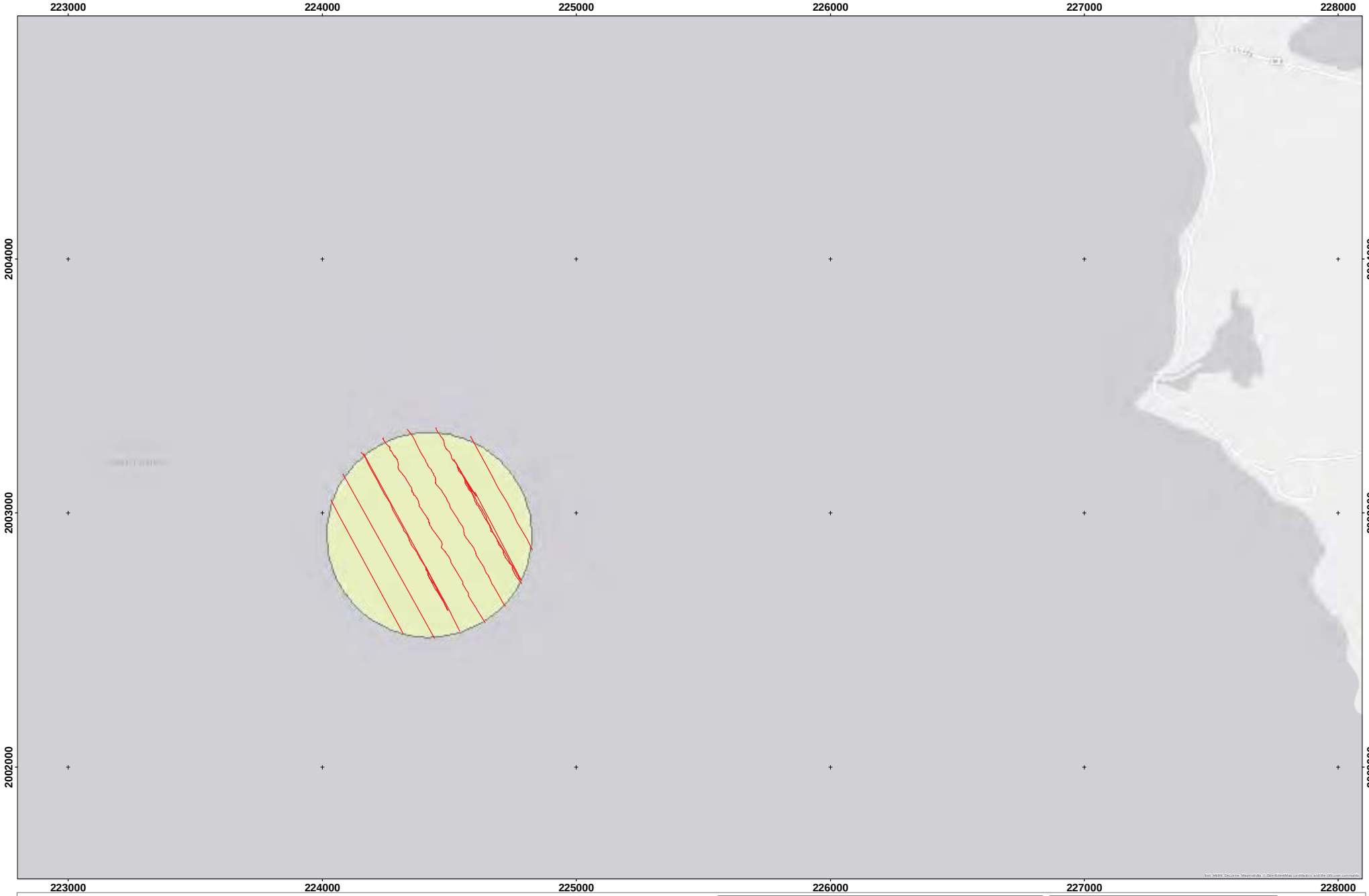
Project field activities occurred between 8 March 2016 and 12 May 2017. In total 333,650 meters of transect were surveyed covering 494.69 acres at a 6 meter swath width which was 4.3 percent of the approximate 11,500 acres. Fourteen thousand six hundred and eighty three targets were selected from the DGM data collected. All Measurement Quality Objectives (MQOs) were met other than limitations imposed by site conditions.

VII. ATTACHMENTS

Attachment A.	Surveyed Transect Maps
Attachment B.	Transect Summary Table
Attachment C.	Array Altitude Maps
Attachment D.	Anomaly Maps
Attachment E.	Daily QC Results Tables
Attachment F.	Photos
Attachment G.	Root Cause Analyses
Attachment H.	Data Deliverables Details

Attachment A

Surveyed Transect Maps



WAA 16

Surveyed Transects Map 1

Legend

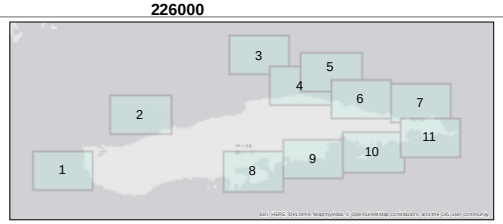
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

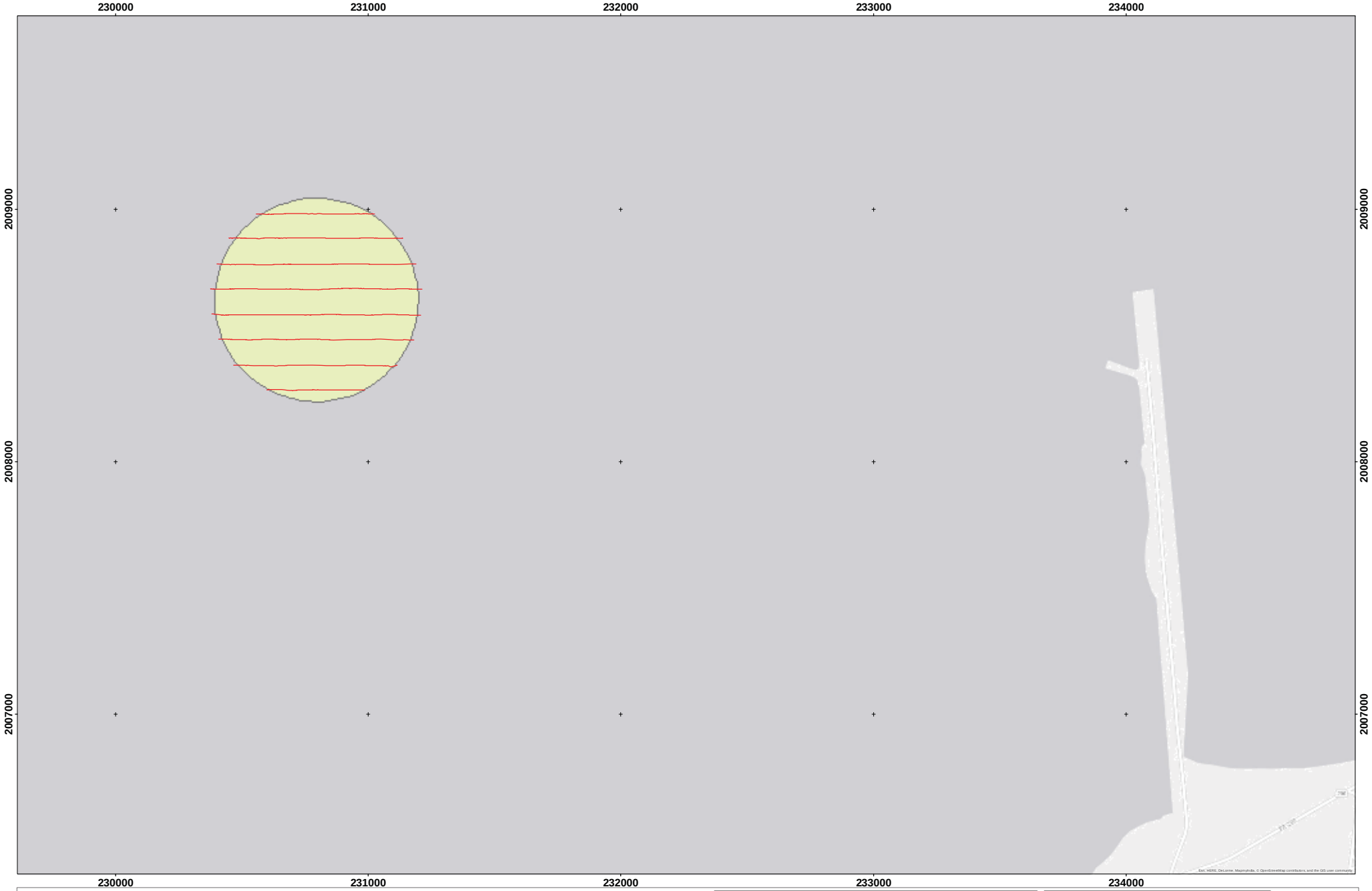
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 2

Legend

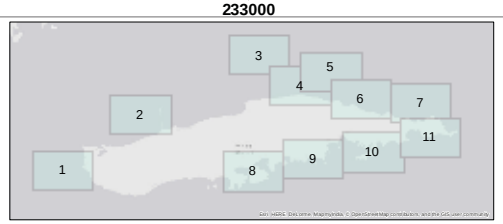
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

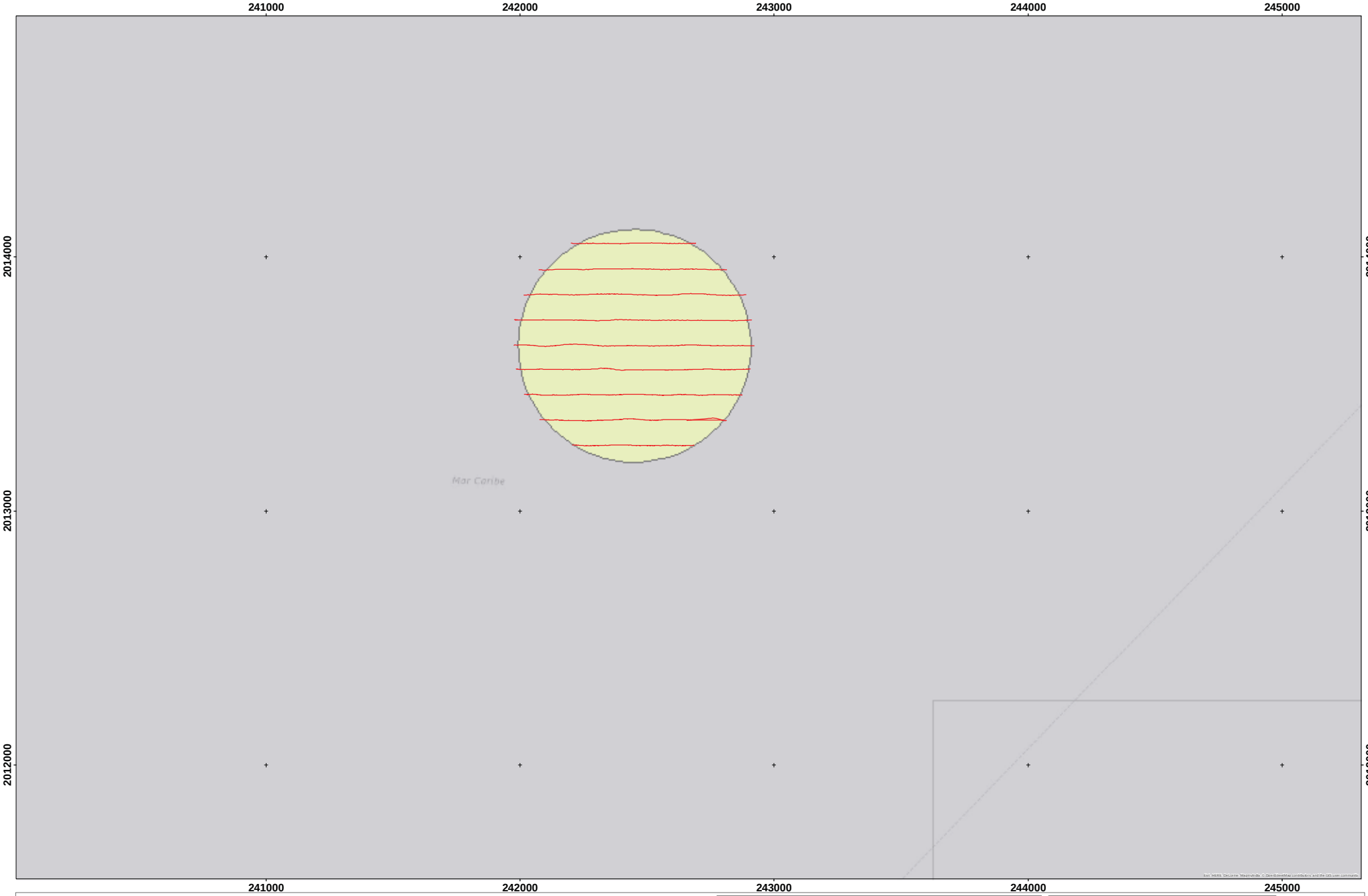
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 3

Legend

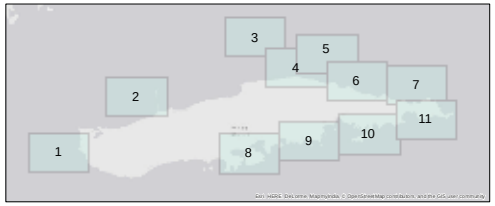
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

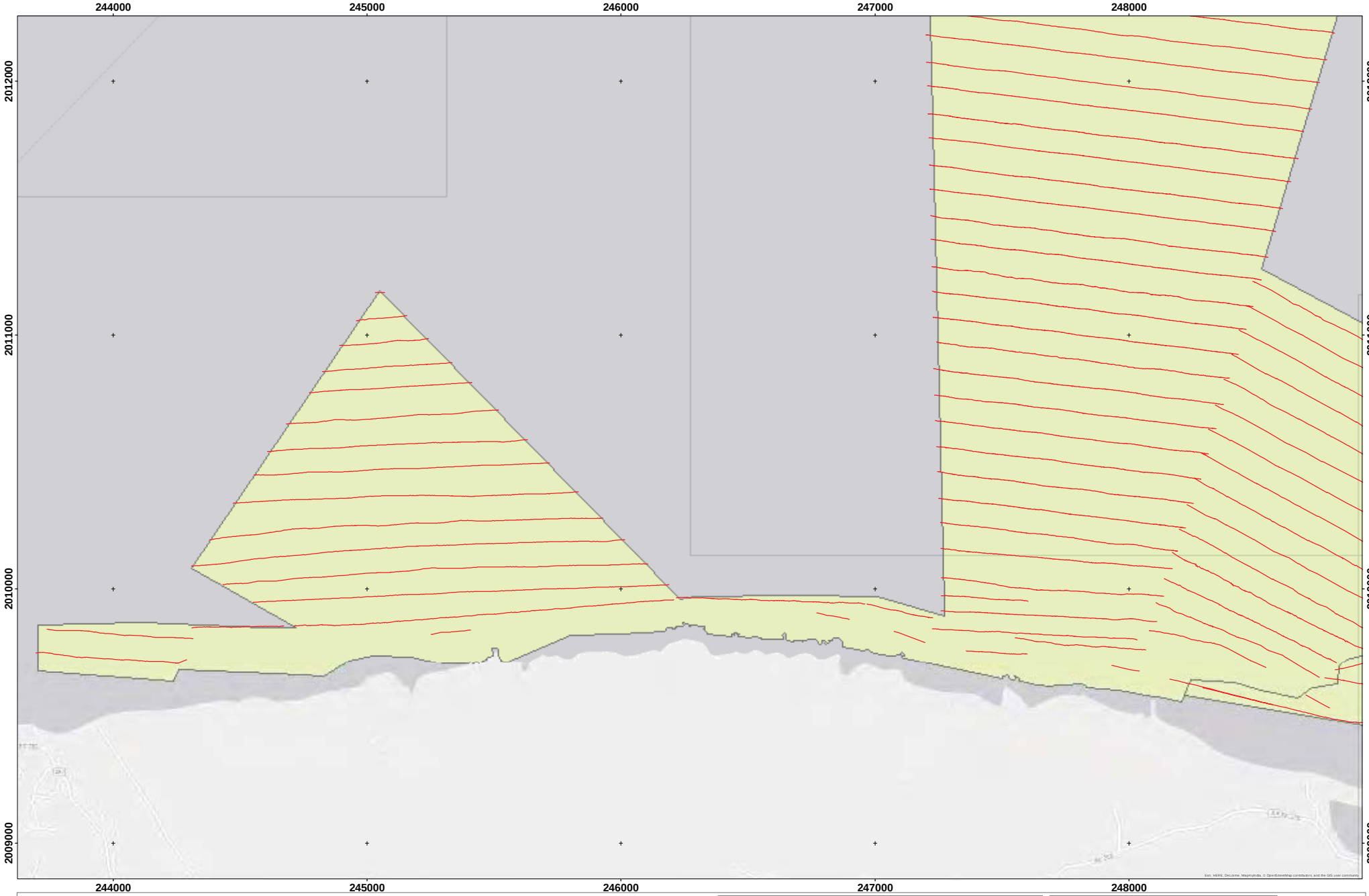
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 4

Legend

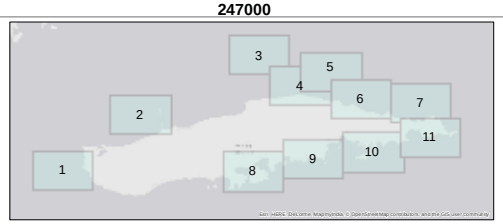
- Surveyed Transect
- Survey Area

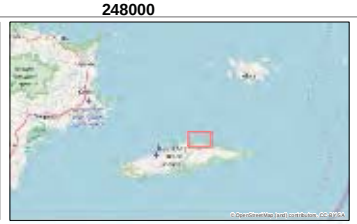
Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

100 50 0 100 200 300 400 500
Meters

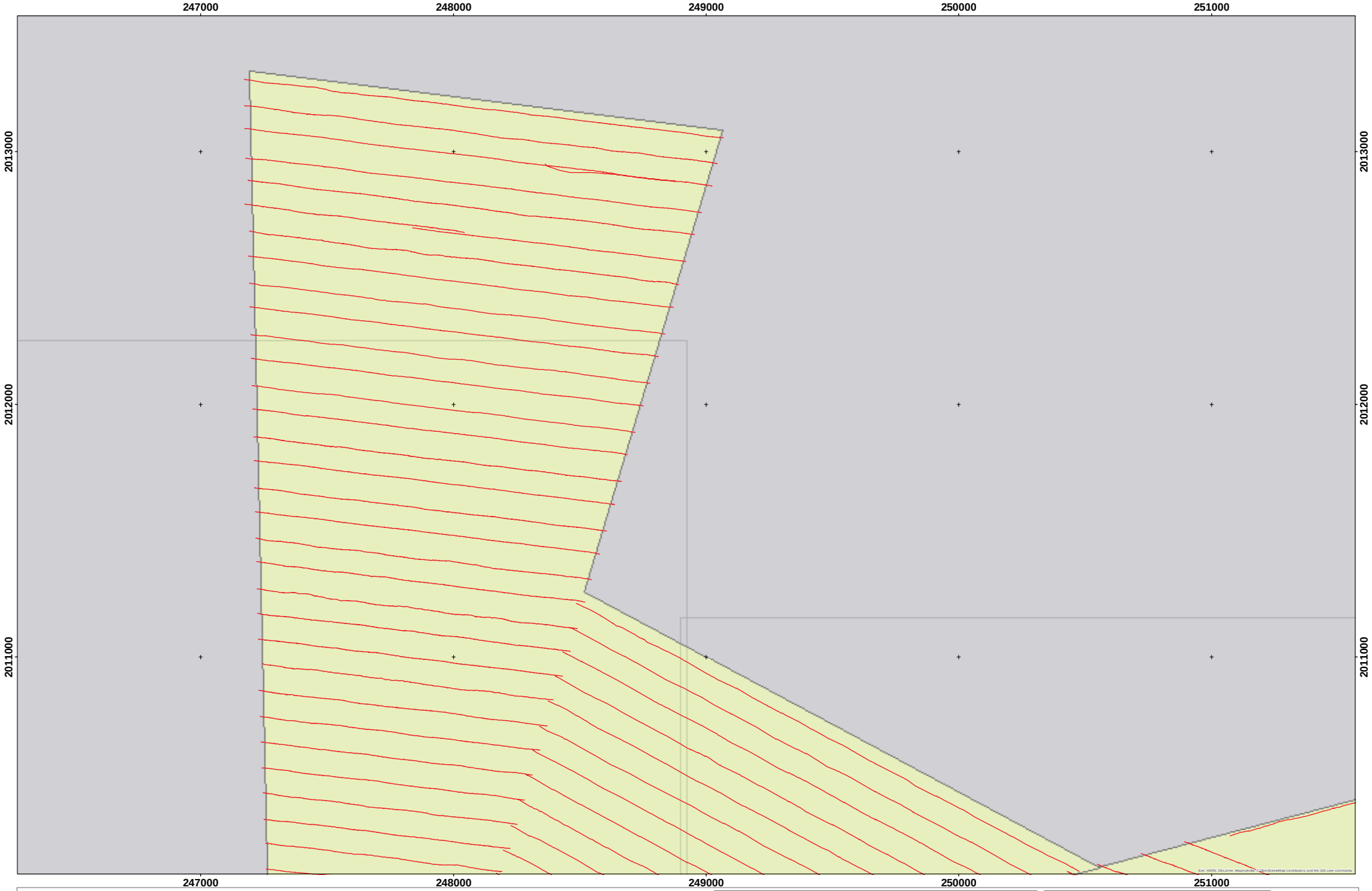
N
W E
S





Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 5

Legend

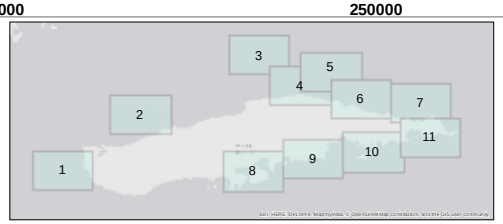
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

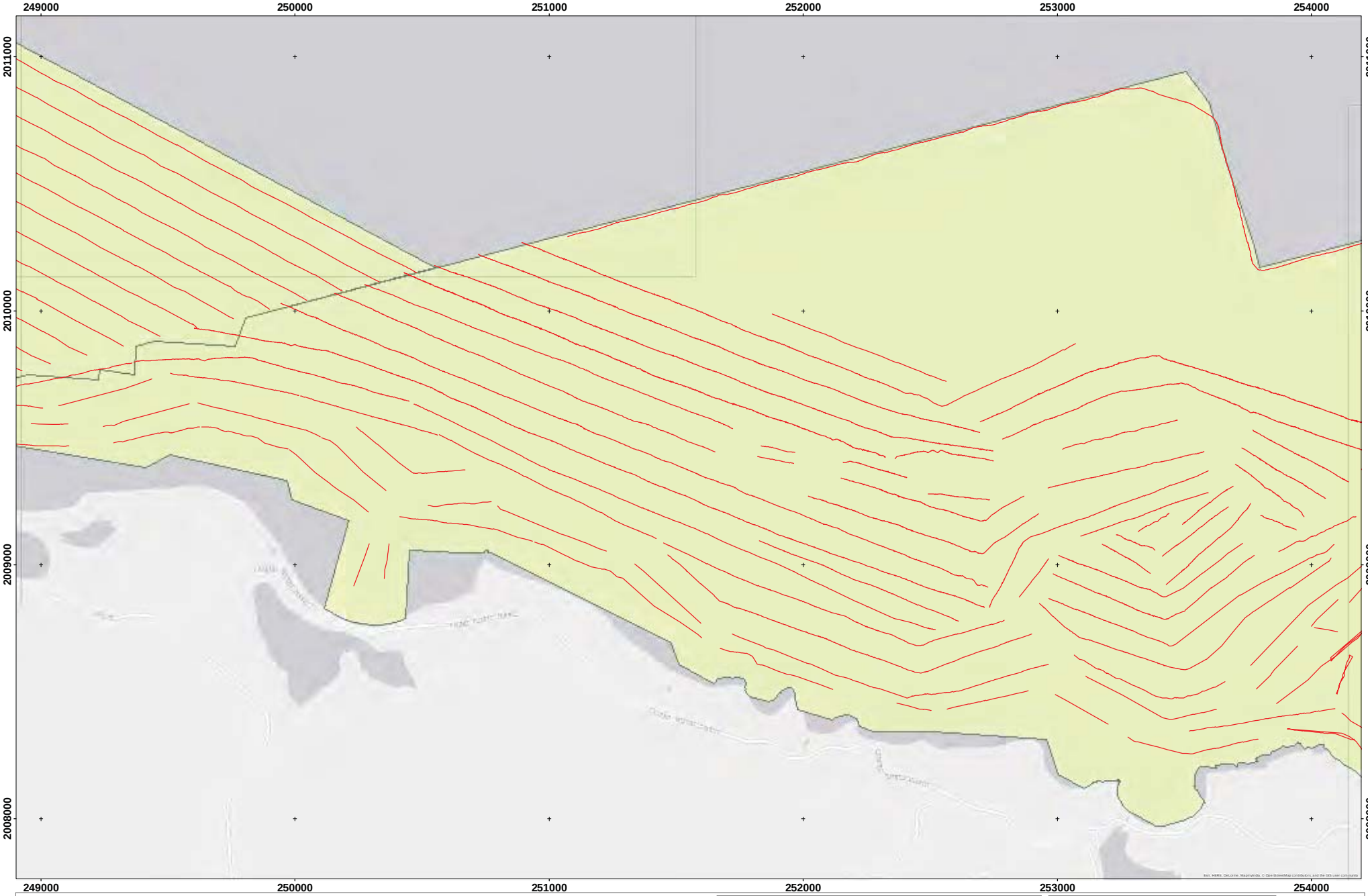
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 6

Legend

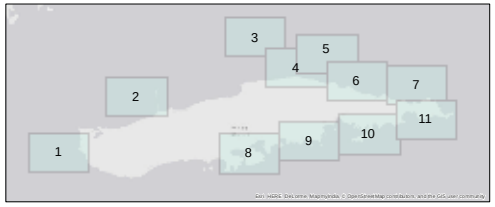
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

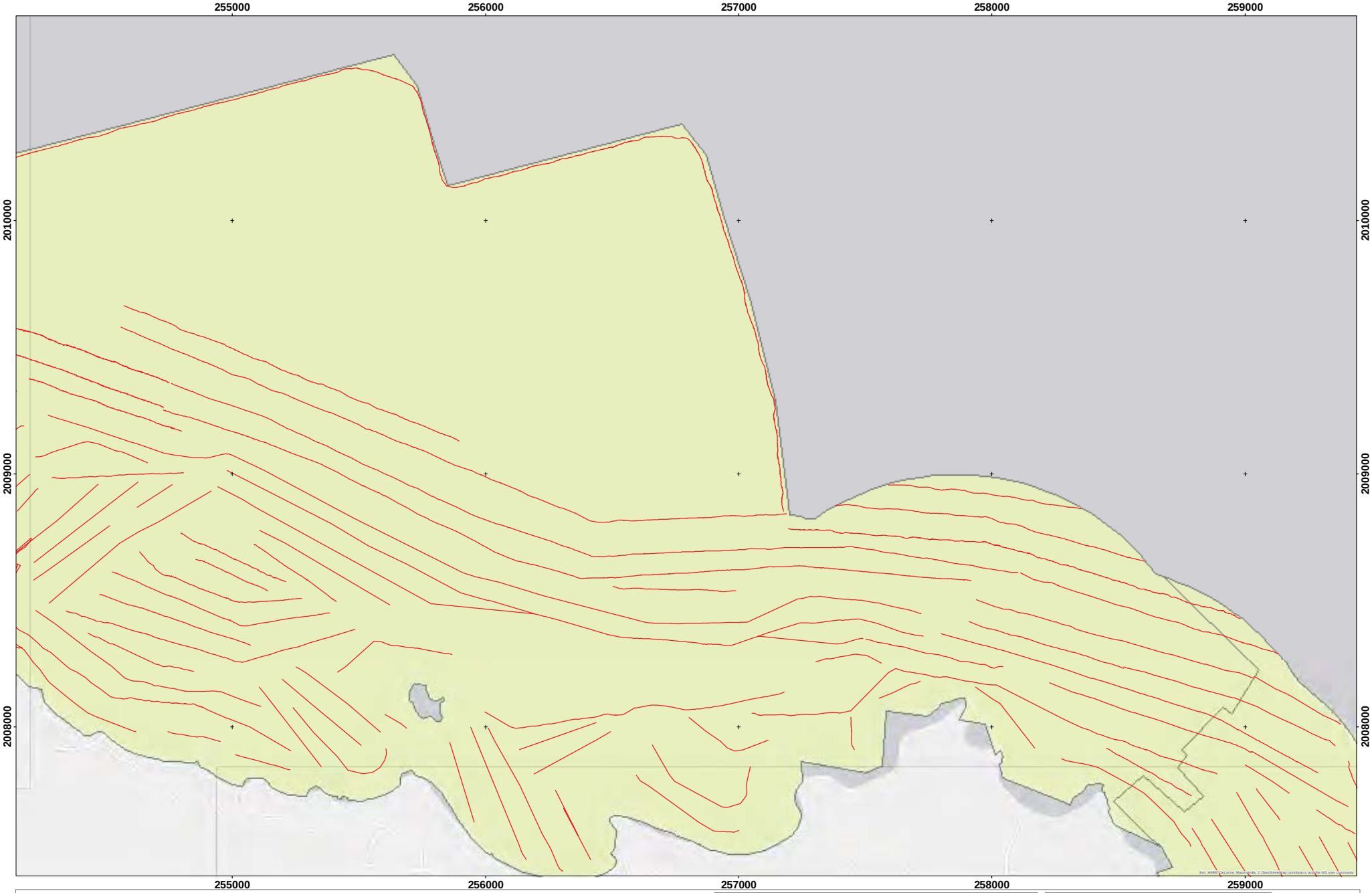
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 7

Legend

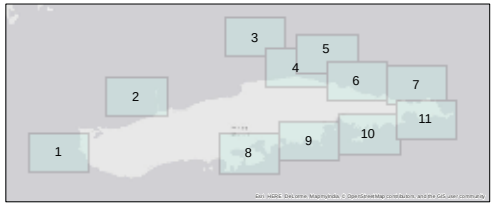
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

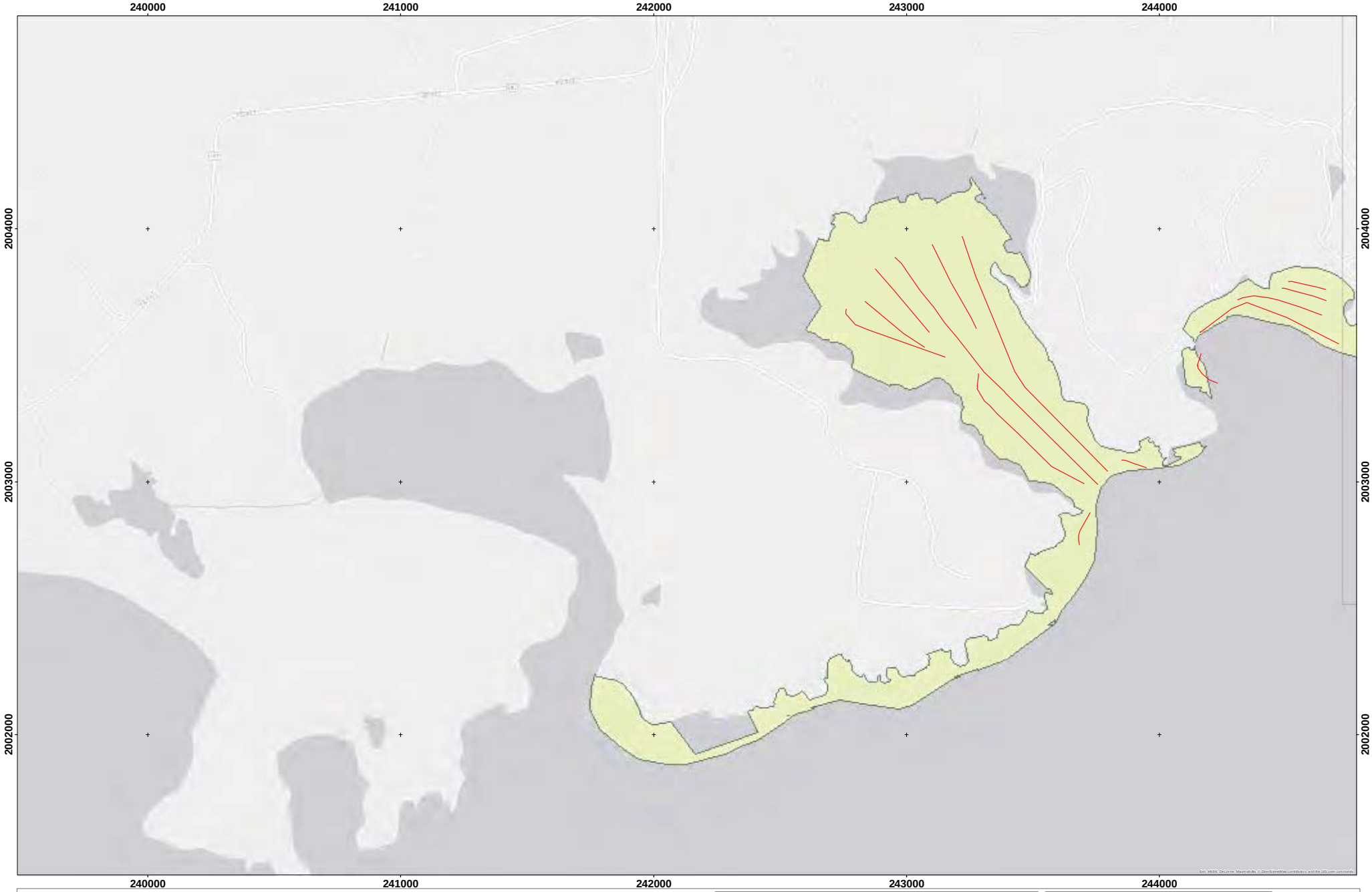
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 8

Legend

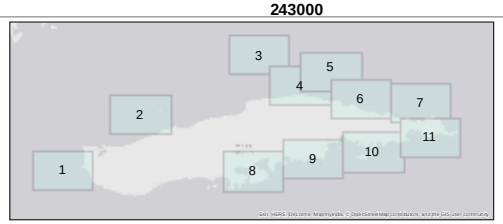
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

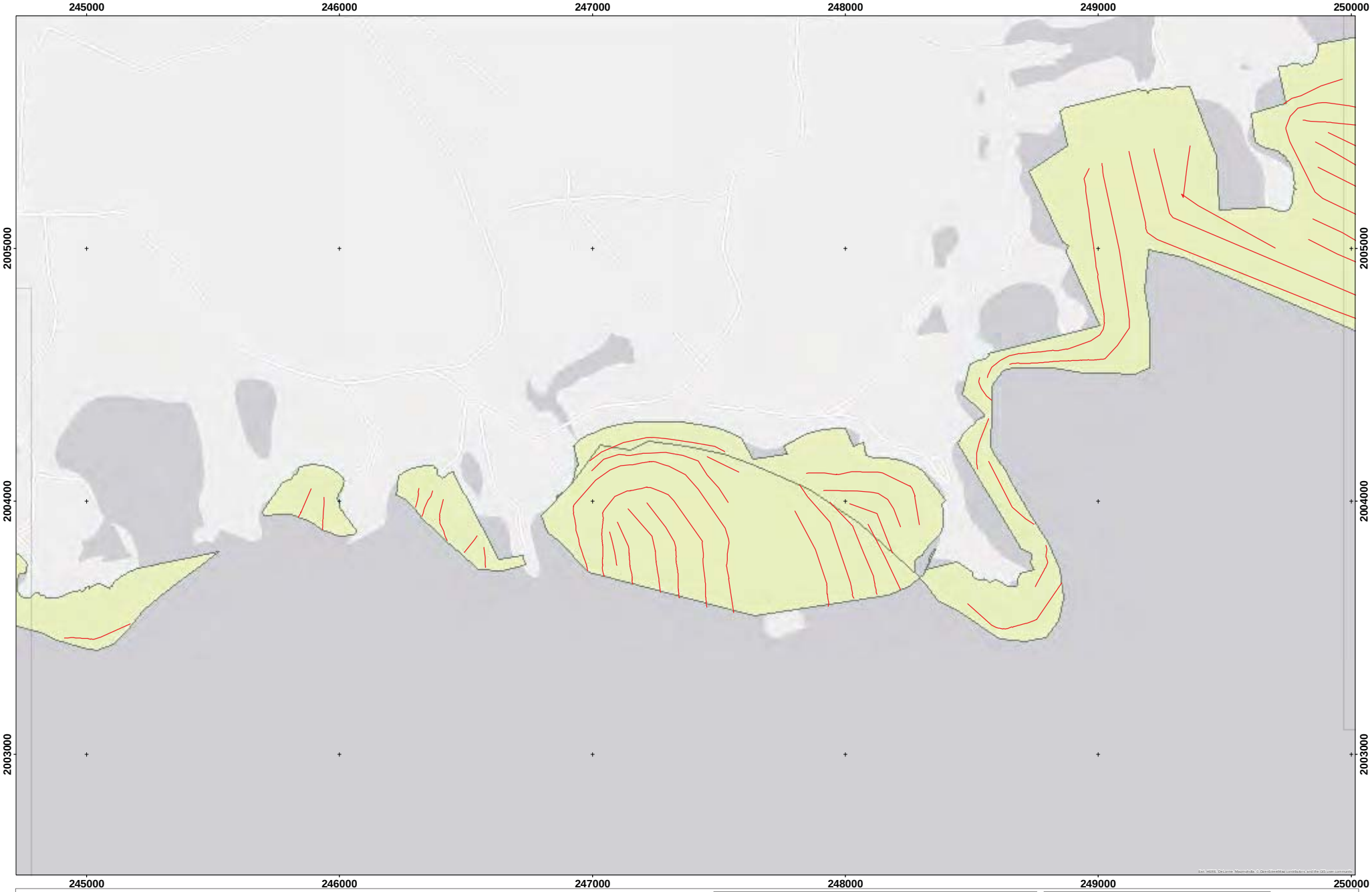
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 9

Legend

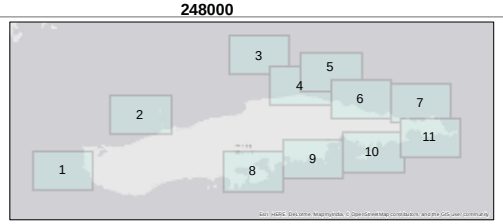
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

Surveyed Transects Map 10

Legend

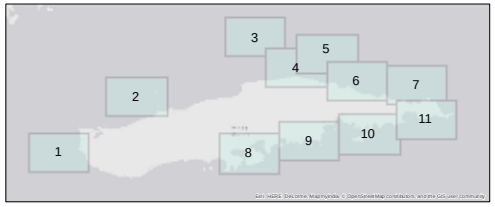
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

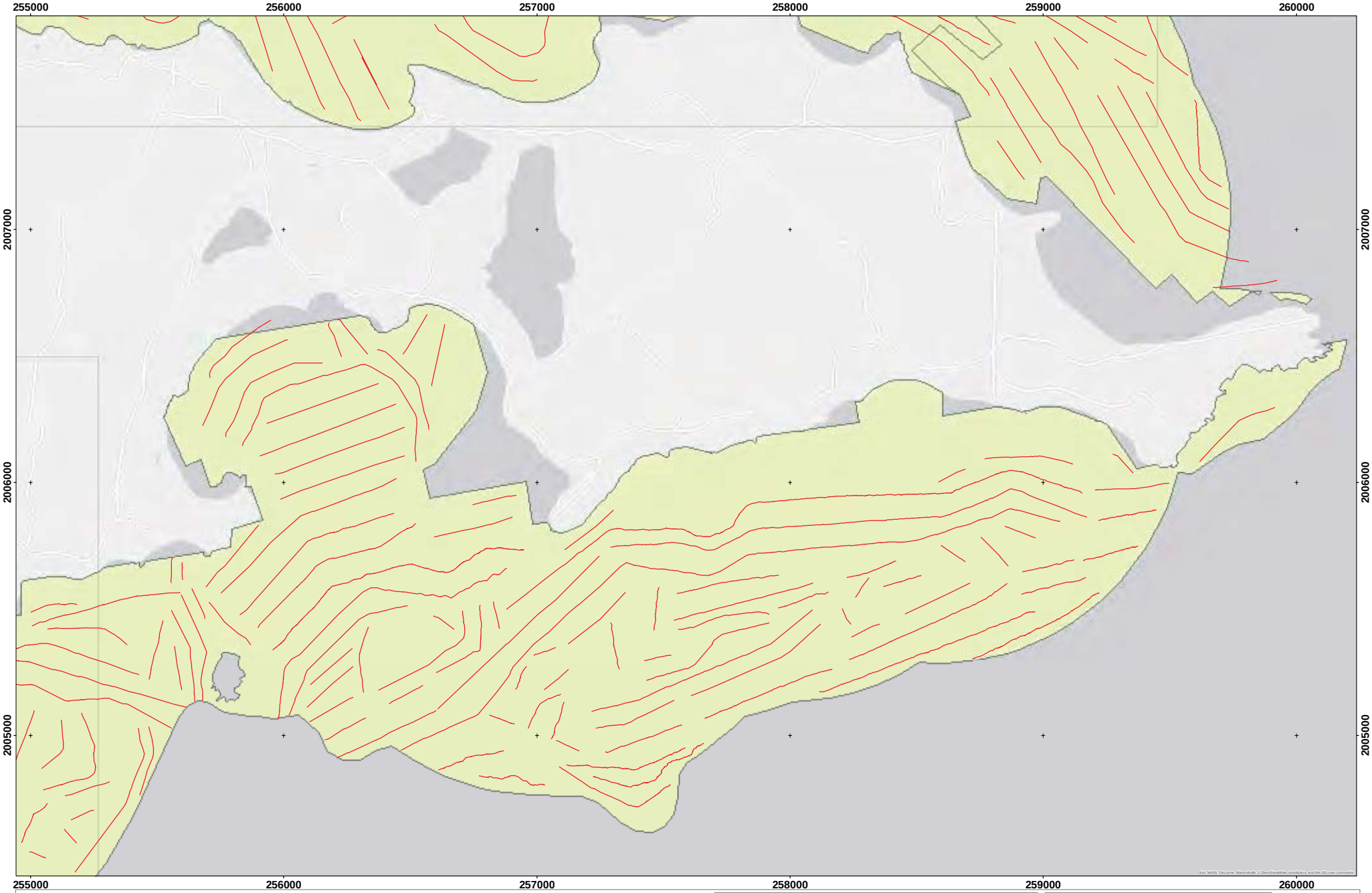
100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Surveyed Transects Map 11

Legend

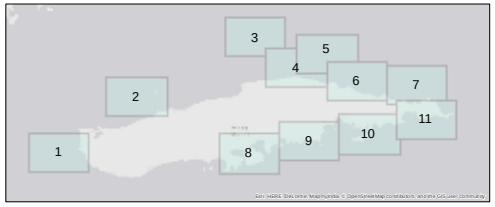
- Surveyed Transect
- Survey Area

Note:

Coordinate System: UTM Zone 20 N
Projection: Transeverse Marcator
Datum: North American 1983
Units: Meter

100 50 0 100 200 300 400 500
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

Attachment B

Transect Summary Table

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1001	592	1	592	5/12/2017	
1002	727	1	727	5/12/2017	
1003	791	1	791	5/12/2017	
1004	803	1	803	3/17/2016	
1005	764	1	764	3/17/2016	
1006	664	1	664	3/17/2016	
1007	469	1	469	3/17/2016	
1010	351	1	351	4/16/2016	
1011	611	1	611	4/16/2016	
1012	737	1	737	4/16/2016	
1013	795	1	795	4/16/2016	
1014	801	1	801	4/16/2016	
1015	756	1	756	4/16/2016	
1016	649	1	649	4/16/2016	
1017	437	1	437	4/16/2016	
1020	448	1	448	4/16/2016	
1021	696	1	696	4/16/2016	
1022	824	1	824	4/16/2016	
1023	893	1	893	4/16/2016	
1024	916	1	916	4/18/2016	
1025	893	1	893	4/18/2016	
1026	824	1	824	4/18/2016	
1027	690	1	690	4/18/2016	
1028	442	1	442	4/18/2016	
1101	580	1	580	5/13/2016	
1102	564	1	564	5/13/2016	
1103	359	1	359	4/13/2017	
1104	1493	1	1493	4/13/2017	
1105	139	1	139	5/13/2016	
1106	1625	1	1625	1/19/2017	
1107	1667	1	1667	1/19/2017	
1108	1700	1	1700	1/19/2017	
1109	1539	1	1539	1/19/2017	
1110	1348	1	1348	1/19/2017	
1111	1153	1	1153	1/19/2017	
1112	1011	1	1011	1/19/2017	
1113	825	1	825	1/19/2017	
1114	626	1	626	1/19/2017	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1115	498	1	498	1/19/2017	
1116	338	1	338	1/19/2017	
1117	182	1	182	1/19/2017	
1118	21	1	21	1/19/2017	
1119	8	1	8	4/13/2017	
1120	716	1	716	4/13/2017	
1121	115	1	115	5/13/2016	
1122	112	1	112	5/13/2016	
1123	263	1	263	4/13/2017	
1124	225	1	225	5/13/2016	
1125	509	1	609	4/13/2017	100m longer at start
1126	93	1	93	5/13/2016	
1127	802	1	852	4/13/2017	50 m longer at start
1128	828	1	828	5/12/2016	
1129	328	1	328	5/7/2016	
1130	862	1	862	5/7/2016	
1131	895	1	895	5/7/2016	
1132	923	1	923	5/7/2016	
1133	1874	1	1874	4/18/2016	
1134	1844	1	1844	4/18/2016	
1135	1812	1	1812	4/18/2016	
1136	1781	1	1781	4/19/2016	
1137	1749	1	1749	4/19/2016	
1138	1717	1	1717	4/19/2016	recollected western portion 5/12/16
1139	1685	1	1685	4/19/2016	
1140	1653	1	1653	4/25/2015	
1141	1622	1	1622	4/25/2015	
1142	1590	1	1590	4/25/2015	
1143	1558	1	1558	4/25/2015	
1144	1526	1	1526	4/25/2015	
1145	1495	1	1495	4/25/2015	
1146	1463	1	1463	4/26/2015	
1147	1431	1	1431	4/26/2015	
1148	1399	1	1399	4/26/2015	
1149	1368	1	1368	4/26/2015	
1150	1336	1	1336	4/26/2015	
1151	1304	1	1304	4/26/2015	
1152	1272	1	1272	4/26/2015	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1153	1241	1	1241	4/26/2015	
1154	1209	1	1209	4/26/2015	
1155	1177	1	1177	4/26/2015	
1156	1145	1	1145	5/7/2016	
1157	1114	1	1114	5/12/2016	
1158	1082	1	1082	5/12/2016	
1159	1050	1	1050	5/12/2016	
1160	1018	1	1018	5/12/2016	
1161	987	1	987	5/12/2016	
1162	955	1	955	5/12/2016	
1166	2241	1	2241	2/10/2017	
1167	2111	1	2111	2/10/2017	
1168	1981	1	1981	2/10/2017	
1169	1851	1	1851	2/10/2017	
1170	1721	1	1721	2/10/2017	
1171	1591	1	1591	2/10/2017	
1172	1461	1	1461	2/10/2017	
1173	1331	1	1331	2/10/2017	
1174	1201	1	1201	2/10/2017	
1175	1070	1	1070	1/30/2017	
1176	941	1	941	1/30/2017	
1177	836	1	836	1/28/2017	
1178	743	1	743	1/28/2017	
1179	695	1	695	1/28/2017	
1180	481	1	481	4/13/2017	
1201	730	3	730	5/10/2017	
1203	2777	3	2777	5/10/2017	
1204	2757	3	1524	5/10/2017	
1205	8180	3	8180	5/10/2017	
1301	0	1	0		omitted-too shallow with coral
1302	0	1	0		omitted-too shallow with coral
1303	0	1	0		omitted-too shallow with coral
1304	0	1	0		omitted-too shallow with coral
1305	519	1	504	11/18/2016	+95 at start, -110 at end depth too shallow
1306	1208	1	1208	11/16/2016	
1307	348	1	318	11/18/2016	-30m too shallow
1308	357	1	312	11/18/2016	-45 m too shallow
1309	287	1	157	11/18/2016	-130 m too shallow

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1310	359	1	359	11/18/2016	
1311	1043	1	1083	11/18/2016	+40m at start
1312	98	1	98	5/12/2017	
1313	99	1	99	11/16/2016	
1314	617	1	617	11/16/2016	
1315	0	1	0		omitted-too shallow with coral
1316	257	1	307	11/16/2016	extended 50m
1317	177	1	177	11/16/2016	
1318	146	1	146	11/16/2016	
1319	267	1	267	5/12/2017	
1320	0	1	0		omitted-too shallow with coral
1321	114	1	114	11/16/2016	
1322	119	1	119	11/16/2016	
1323	78	1	78	11/16/2016	-20m too shallow
1324	107	1	107	11/16/2016	-30m too shallow
1325	184	1	184	11/16/2016	
1326	71	1	71	11/16/2016	
1327	70	1	70	11/16/2016	
1328	554	1	554	11/16/2016	
1329	578	1	578	11/15/2016	
1330	380	1	380	11/15/2016	
1331	273	1	273	11/15/2016	
1332	0	1	0		omitted-too shallow with coral
1333	482	1	482	12/5/2016	
1334	163	1	163	11/15/2016	
1335	304	1	304	11/15/2016	
1336	198	1	198	11/15/2016	
1337	64	1	64	11/15/2016	
1338	1172	1	1172	12/5/2016	recollect for processing from 11/15
1339	1191	1	1191	11/15/2016	
1340	1699	1	1699	11/15/2016	
1341	1469	1	1469	11/15/2016	
1342	608	1	608	11/15/2016	
1343	402	1	402	11/14/2016	
1344	425	1	425	11/14/2016	
1345	1441	1	1441	12/5/2016	recollect for processing from 11/14
1346	286	1	286	11/14/2016	
1347	325	1	325	11/14/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1348	344	1	344	11/14/2016	
1349	1305	1	1305	12/5/2016	recollect for processing from 11/14
1350	135	1	135	11/14/2016	
1351	216	1	216	11/14/2016	
1352	0	1	0		omitted-too shallow
1353	696	1	696	11/14/2016	
1354	185	1	185	11/14/2016	
1355	170	1	170	11/14/2016	
1356	224	1	224	11/14/2016	
1357	192	1	192	11/14/2016	
1358	0	1	0		too shallow - reoriented and combined w/1359
1359	63	1	180	11/14/2016	reoriented to cover 1358-1359
1360	165	1	165	11/14/2016	
1361	243	1	243	11/14/2016	
1362	284	1	284	11/14/2016	
1363	791	1	791	11/14/2016	
1364	254	1	254	11/14/2016	
1365	300	1	300	11/14/2016	
1366	376	1	376	11/14/2016	
1367	588	1	588	11/14/2016	
1368	1372	1	1372	11/11/2016	
1369	1335	1	1335	11/11/2016	
1370	683	1	683	11/12/2016	
1371	778	1	778	11/12/2016	
1372	789	1	789	11/12/2016	
1373	804	1	804	11/12/2016	
1374	886	1	886	11/12/2016	
1375	975	1	975	11/14/2016	
1376	0	1	0		omitted-too shallow with coral
1377	365	1	365	11/14/2016	
1378	593	1	593	11/14/2016	
1379	206	1	206	11/14/2016	
1380	147	1	147	5/12/2017	
1381	1037	1	1037	11/15/2016	
1382	1380	1	1380	11/15/2016	
1383	642	1	642	11/16/2016	
1384	129	1	129	11/16/2016	
1385	406	1	406	11/15/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1386	361	1	361	11/15/2016	
1387	251	1	251	11/15/2016	
1388	121	1	121	11/16/2016	
1389	394	1	394	11/15/2016	
1390	505	1	505	11/15/2016	
1391	409	1	409	11/15/2016	
1392	284	1	284	11/15/2016	
1401	422	1	422	12/5/2016	
1402	141	1	141	12/5/2016	
1403	94	1	94	12/5/2016	
1404	565	1	565	11/3/2016	
1405	644	1	644	11/3/2016	-30m due to shallow depth
1406	449	1	449	11/3/2016	
1407	126	1	100	11/3/2016	realigned due shallow to depth
1408	469	1	469	11/3/2016	
1409	2672	1	2672	11/3/2016	
1410	510	1	510	11/10/2016	
1411	322	1	322	11/10/2016	
1412	593	1	593	11/10/2016	
1413	63	1	63	11/10/2016	
1414	84	1	84	11/10/2016	
1415	0	1	0		omitted-too shallow with coral
1416	0	1	0		omitted-too shallow
1417	187	1	187	11/10/2016	
1418	1141	1	1141	11/2/2016	
1419	1009	1	1009	11/2/2016	
1420	319	1	319	11/2/2016	intentionally offset south due to shallow depth
1421	2397	1	2397	11/3/2016	
1422	2167	1	2167	11/3/2016	
1423	1736	1	1736	11/3/2016	
1424	933	1	933	11/3/2016	
1425	961	1	961	11/9/2016	
1426	164	1	164	11/9/2016	
1427	195	1	195	11/9/2016	
1428	320	1	320	11/9/2016	
1429	174	1	174	11/9/2016	
1430	145	1	220	11/9/2016	
1431	82	1	82	11/9/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1432	382	1	382	11/3/2016	
1433	437	1	437	11/3/2016	
1434	596	1	596	11/3/2016	
1435	927	1	927	11/9/2016	
1436	417	1	417	11/10/2016	
1437	93	1	93	11/10/2016	
1438	54	1	54	11/9/2016	
1439	180	1	180	11/9/2016	
1440	81	1	81	11/10/2016	
1441	632	1	632	11/10/2016	
1442	266	1	266	11/10/2016	
1443	221	1	221	11/10/2016	
1444	448	1	448	11/10/2016	
1445	172	1	172	11/9/2016	
1446	228	1	228	11/10/2016	
1447	162	1	162	11/10/2016	
1448	365	1	365	11/10/2016	
1449	132	1	132	11/10/2016	
1450	430	1	430	11/10/2016	
1451	220	1	220	11/10/2016	
1452	314	1	439	11/10/2016	
1453	824	1	824	11/10/2016	
1454	501	1	501	11/10/2016	
1455	531	1	531	11/12/2016	
1456	561	1	561	11/12/2016	
1457	454	1	454	11/12/2016	
1458	1109	1	1109	11/12/2016	
1459	529	1	529	11/12/2016	
1460	476	1	526	11/12/2016	
1461	338	1	368	11/12/2016	
1462	164	1	99	11/12/2016	
1463	163	1	163	11/12/2016	
1464	387	1	387	11/12/2016	
1465	162	1	162	11/12/2016	
1466	202	1	302	11/12/2016	
1467	0	1	0		omitted-too shallow with coral
1468	0	1	0		omitted-too shallow with coral
1469	733	1	733	11/10/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1470	754	1	754	11/10/2016	
1471	1159	1	1159	11/19/2016	
1472	305	1	305	11/19/2016	
1473	167	1	167	11/19/2016	
1474	1236	1	1236	11/19/2016	
1475	86	1	86	11/19/2016	
1476	670	1	670	11/19/2016	
1477	210	1	210	11/19/2016	
1478	255	1	255	11/19/2016	
1479	235	1	235	11/19/2016	
1480	187	1	187	11/19/2016	
1481	173	1	173	11/19/2016	
1482	424	1	424	12/4/2016	
1483	0	1	0		omitted-too shallow with coral
1484	0	1	0		omitted-too shallow with coral
1485	495	1	495	11/19/2016	
1486	143	1	143	11/19/2016	
1487	356	1	356	11/19/2016	
1488	100	1	100	11/19/2016	
1489	882	1	882	12/4/2016	
1490	2469	1	2469	12/4/2016	
1491	367	1	367	4/15/2017	
1492	110	1	110	4/15/2017	
1493	0	1	0		omitted-too shallow with coral
1494	0	1	0		omitted-too shallow with coral
1495	266	1	266	5/12/2017	
1496	1932	1	1932	12/4/2016	
1497	2930	2	2930	12/4/2016	
1498	93	2	93	12/4/2016	
1499	87	2	87	12/4/2016	
1500	258	2	258	12/5/2016	
1501	251	2	251	12/5/2016	
1502	497	2	497	12/5/2016	
1503	481	2	481	12/5/2016	
1504	480	2	480	12/5/2016	
1505	311	2	311	12/4/2016	
1506	92	2	92	12/4/2016	
1507	142	2	142	12/4/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1508	186	2	186	12/4/2016	
1509	76	2	76	12/4/2016	
1510	110	2	110	12/4/2016	
1511	301	2	301	12/4/2016	
1512	179	2	179	12/4/2016	
1513	528	2	528	12/4/2016	
1514	326	2	326	12/4/2016	
1515	960	2	1010	12/4/2016	
1516	682	2	682	12/4/2016	
1517	161	2	161	12/4/2016	
1518	399	2	399	12/4/2016	
1519	556	2	556	12/4/2016	
1520	59	2	59	12/4/2016	
1521	83	2	83	12/4/2016	
1522	362	2	362	12/4/2016	
1523	200	2	200	12/4/2016	
1524	581	2	581	12/4/2016	
1525	145	2	145	12/4/2016	
1526	271	2	271	12/4/2016	
1527	108	2	108	12/4/2016	
1528	691	2	691	12/4/2016	
1529	102	2	102	12/4/2016	
1530	151	2	151	12/4/2016	
1531	199	2	199	12/5/2016	
1532	119	2	119	12/4/2016	
1533	214	2	214	12/5/2016	
1534	251	2	251	12/5/2016	
1535	221	1	221	12/4/2016	
1536	289	1	289	4/15/2017	
1537	116	1	116	4/15/2017	
1538	893	2	893	12/5/2016	
1539	553	2	553	12/5/2016	
1540	376	1	376	4/15/2017	
1541	0	1	0		No bathy. Omit transect
1542	0	1	0		No bathy. Omit transect
1543	60	1	60	11/10/2016	
1544	197	2	282	12/4/2016	
1545	96	2	96	12/4/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1601	956	1	956	5/13/2016	
1602	99	1	99	4/13/2017	
1603	131	1	131	5/13/2016	
1604	227	1	227	5/6/2016	
1605	367	1	367	5/6/2016	
1606	544	1	544	5/6/2016	
1607	290	1	290	5/13/2016	
1608	326	1	326	5/13/2016	
1609	319	1	319	5/13/2016	
1610	381	1	381	5/13/2016	
1611	478	1	478	5/13/2016	
1612	283	1	283	5/13/2016	
1613	485	1	485	5/6/2016	
1614	559	1	559	5/6/2016	
1615	487	1	487	5/6/2016	
1616	1094	1	1094	5/6/2016	
1617	246	1	156	4/13/2017	90m short due to shallow depth
1618	226	1	146	4/13/2017	80 m short due to shallow depth
1619	502	1	502	5/13/2016	
1620	233	1	233	5/13/2016	
1621	448	1	448	5/13/2016	
1622	755	1	755	5/13/2016	
1623	346	1	346	4/13/2017	
1624	944	1	944	5/4/2016	
1625	2228	1	2228	5/4/2016	
1626	835	1	835	5/4/2016	
1627	3296	1	3296	5/6/2016	
1628	2981	2	2981	5/6/2016	
1629	1611	2	1611	5/6/2016	
1630	138	2	138	5/11/2016	
1631	129	2	129	5/11/2016	
1632	1540	2	1540	5/6/2016	
1633	2023	2	2023	5/9/2016	
1634	2315	2	2315	5/11/2016	
1635	250	2	250	5/11/2016	
1636	982	2	982	5/11/2016	
1637	765	2	765	5/11/2016	
1638	231	2	231	5/11/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1639	392	2	392	5/9/2016	
1640	2084	2	2084	5/11/2016	
1641	2340	2	2340	5/11/2016	
1642	453	1	453	5/13/2016	
1643	320	1	320	5/13/2016	
1644	1567	1	1567	5/3/2016	
1645	1428	1	1428	5/4/2016	
1646	1297	1	1297	4/13/2017	
1647	121	1	121	5/13/2016	
1648	1067	1	1067	5/4/2016	
1649	771	1	771	5/13/2016	
1650	147	1	147	5/13/2016	
1651	180	1	180	5/4/2016	
1652	1269	1	1269	5/3/2016	
1653	1372	1	1372	5/3/2016	
1654	634	1	634	5/3/2016	
1655	556	1	556	4/13/2017	
1656	578	1	578	4/13/2017	
1657	900	1	900	5/3/2016	
1658	815	1	815	5/4/2016	
1659	213	1	213	5/4/2016	
1660	517	1	517	5/4/2016	
1661	314	1	314	5/4/2016	
1662	153	1	153	5/4/2016	
1663	240	1	240	5/4/2016	
1664	129	1	129	5/4/2016	
1665	451	1	451	5/4/2016	
1666	319	1	319	5/4/2016	
1667	144	1	144	5/4/2016	
1668	331	2	331	5/4/2016	
1669	374	2	374	5/4/2016	
1670	424	2	424	5/9/2016	
1671	622	2	622	5/6/2016	
1672	460	2	460	4/13/2017	
1673	2056	2	2056	5/9/2016	
1674	2175	2	2175	5/9/2016	
1675	586	1	586	4/13/2017	
1676	145	1	145	4/13/2017	

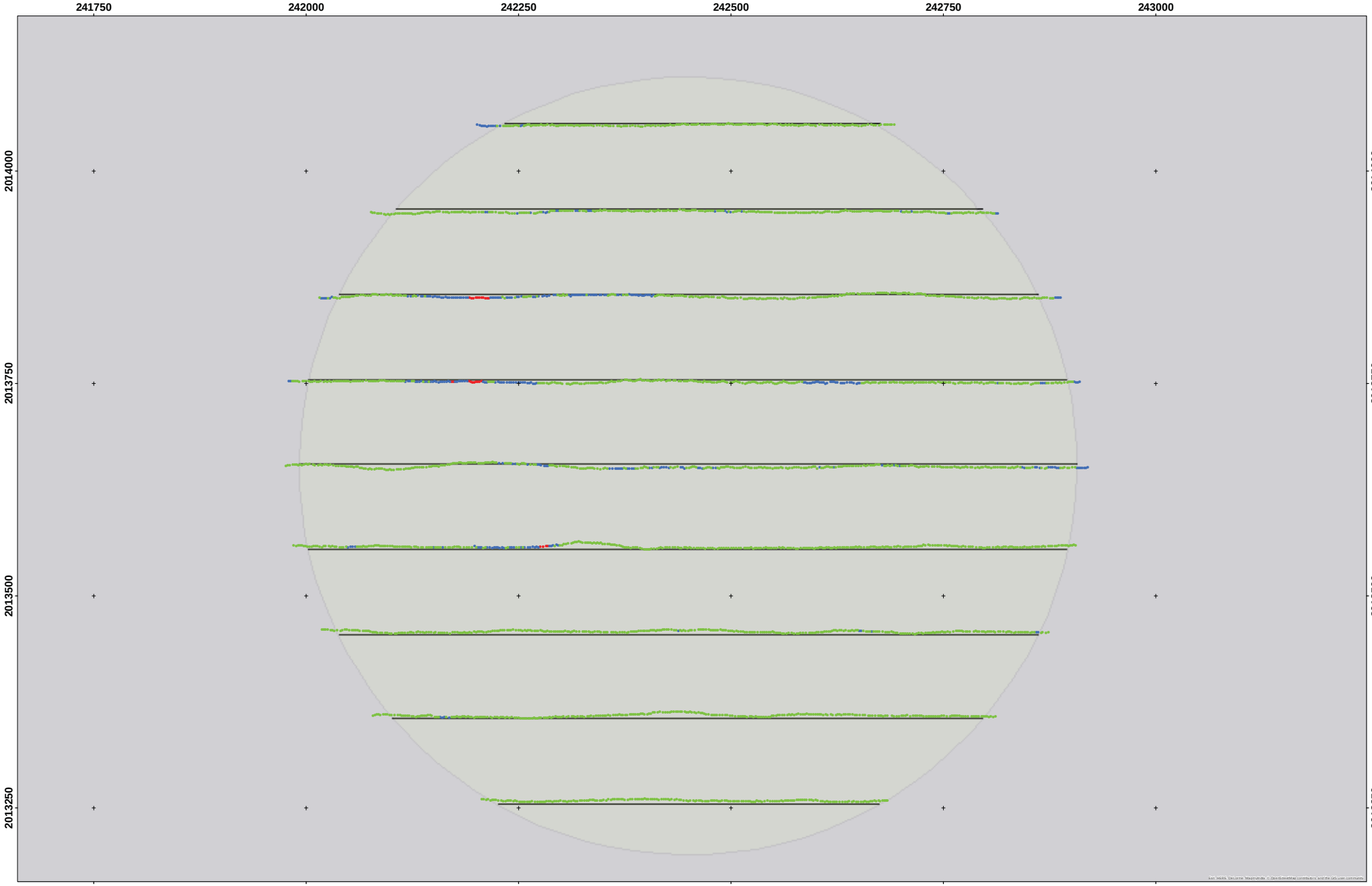
Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1677	99	1	99	5/13/2016	
1678	89	1	89	5/12/2017	
1679	219	1	219	5/13/2016	
1680	771	1	771	5/13/2016	
1681	147	1	147	5/13/2016	
1682	514	1	514	4/13/2017	
1683	365	1	365	4/13/2017	
1684	833	1	833	5/2/2016	
1685	516	1	516	4/13/2017	
1686	461	1	461	4/13/2017	
1687	3644	1	3644	4/12/2017	
1688	628	2	628	5/9/2016	
1689	1258	1	1258	5/2/2016	
1690	198	1	198	5/2/2016	
1691	223	1	223	5/2/2016	
1692	401	1	401	5/2/2016	
1693	981	1	981	5/1/2016	
1694	432	1	432	5/1/2016	
1695	1170	1	1170	5/1/2016	
1696	892	1	892	5/1/2016	
1697	614	1	614	5/1/2016	
1698	765	1	765	5/1/2016	
1699	687	1	687	5/2/2016	
1700	297	1	297	5/3/2016	
1701	447	1	447	5/3/2016	
1702	391	1	391	5/3/2016	
1703	754	1	634	4/15/2017	-120m at start due to shallow depth
1704	2708	1	1408	11/6/2016	Cant survey approx center 1300m -too shallow
1705	2897	1	2897	11/6/2016	
1706	3483	2	3483	4/11/2017	
1707	3324	2	3324	4/14/2017	
1708	481	2	481	4/14/2017	
1709	1822	2	1822	4/14/2017	
1710	1243	2	1243	4/14/2017	
1711	763	2	763	4/14/2017	
1712	1057	2	1057	4/11/2017	
1713	1522	2	1522	4/14/2017	
1714	1527	2	1527	4/14/2017	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1715	1589	2	1589	4/14/2017	
1716	316	2	316	4/14/2017	
1717	1279	2	1379	4/15/2017	+100m at start
1718	551	1	751	11/6/2016	added 200m at end to fill gap
1719	245	1	245	11/6/2016	
1720	198	1	198	5/2/2016	
1721	392	1	392	5/2/2016	
1722	407	1	407	5/2/2016	
1723	496	1	496	4/15/2017	
1724	254	1	254	4/15/2017	
1725	772	1	645	4/27/2016	-127 meters….boom blocking channel
1726	324	1	324	4/27/2016	
1727	628	1	628	4/27/2016	
1728	318	1	318	4/27/2016	
1729	1196	1	1196	11/5/2016	
1730	312	1	312	4/27/2016	
1731	337	1	337	4/27/2016	
1732	834	1	694	11/5/2016	-140m due to shallow depth
1733	596	1	626	11/5/2016	
1734	351	1	351	11/5/2016	
1735	1951	1	1951	11/5/2016	
1736	370	1	370	11/5/2016	
1737	319	1	319	11/5/2016	
1738	167	1	167	11/5/2016	
1739	142	1	142	11/5/2016	
1740	954	1	664	4/15/2017	-290 m at end due to shallow depth
1741	197	2	197	4/15/2017	
1742	388	2	388	4/15/2017	
1743	852	2	852	4/15/2017	
1744	191	2	291	4/15/2017	+100m at start
1745	839	2	939	4/15/2017	+100m at start
1746	679	2	679	4/15/2017	
1747	155	2	155	4/15/2017	
1748	205	2	205	4/15/2017	
1749	749	2	749	4/15/2017	
1750	581	2	581	4/15/2017	
1751	387	2	387	4/15/2017	
1752	146	1	146	5/1/2016	

Line	Length in meters	Priority	Meters Completed	Date Completed	Comments
1753	178	2	278	4/15/2017	+100m at start

Attachment C

Array Altitude Maps



WAA 16

Sensor Altitude Map 1

Legend

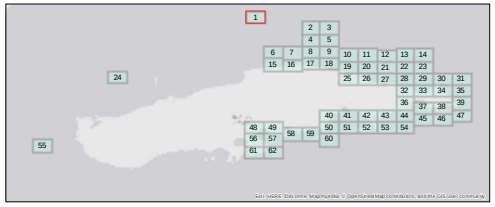
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

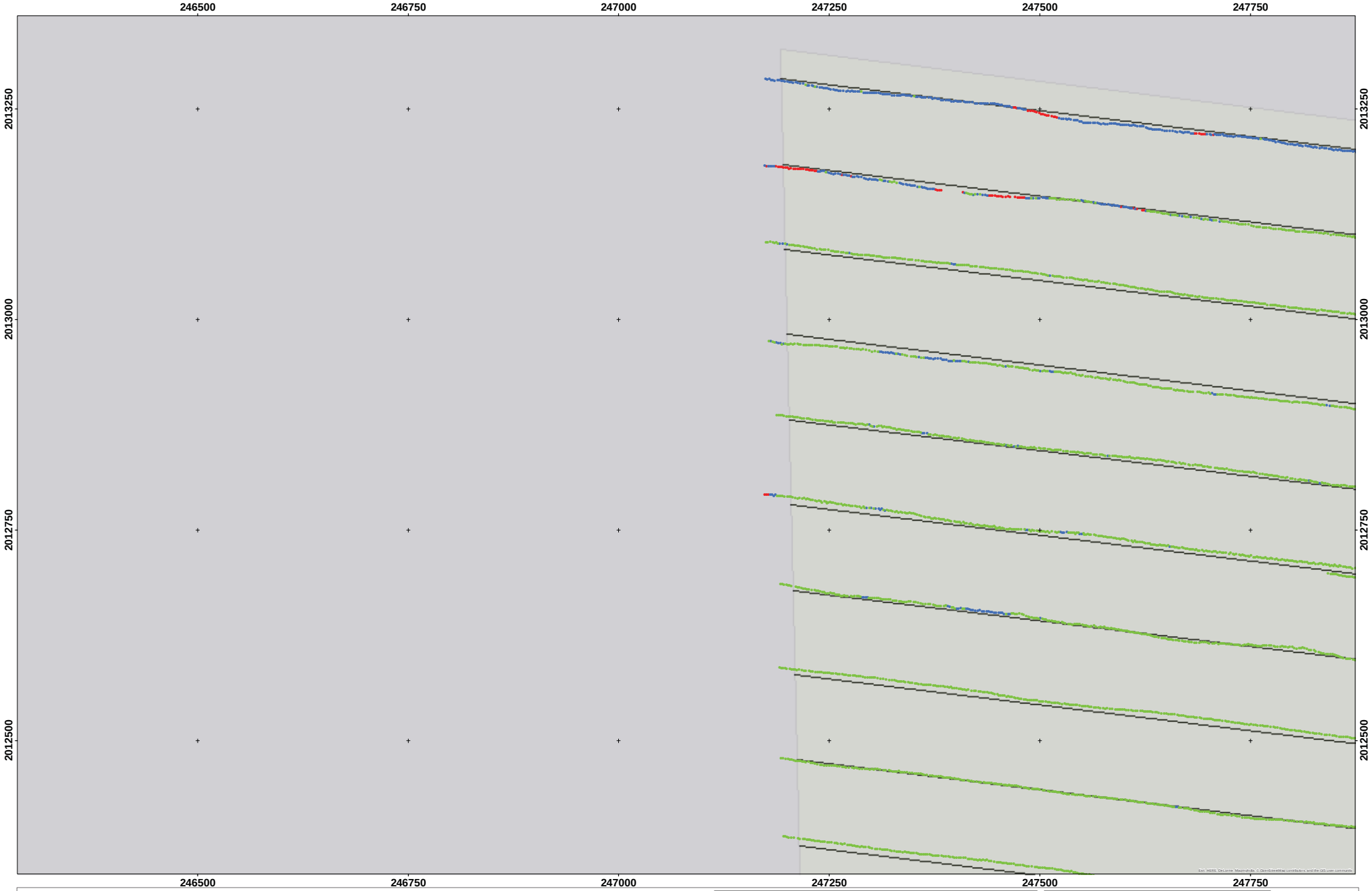
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 2

Legend

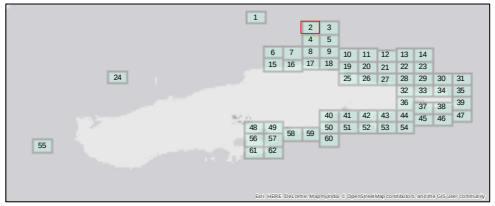
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

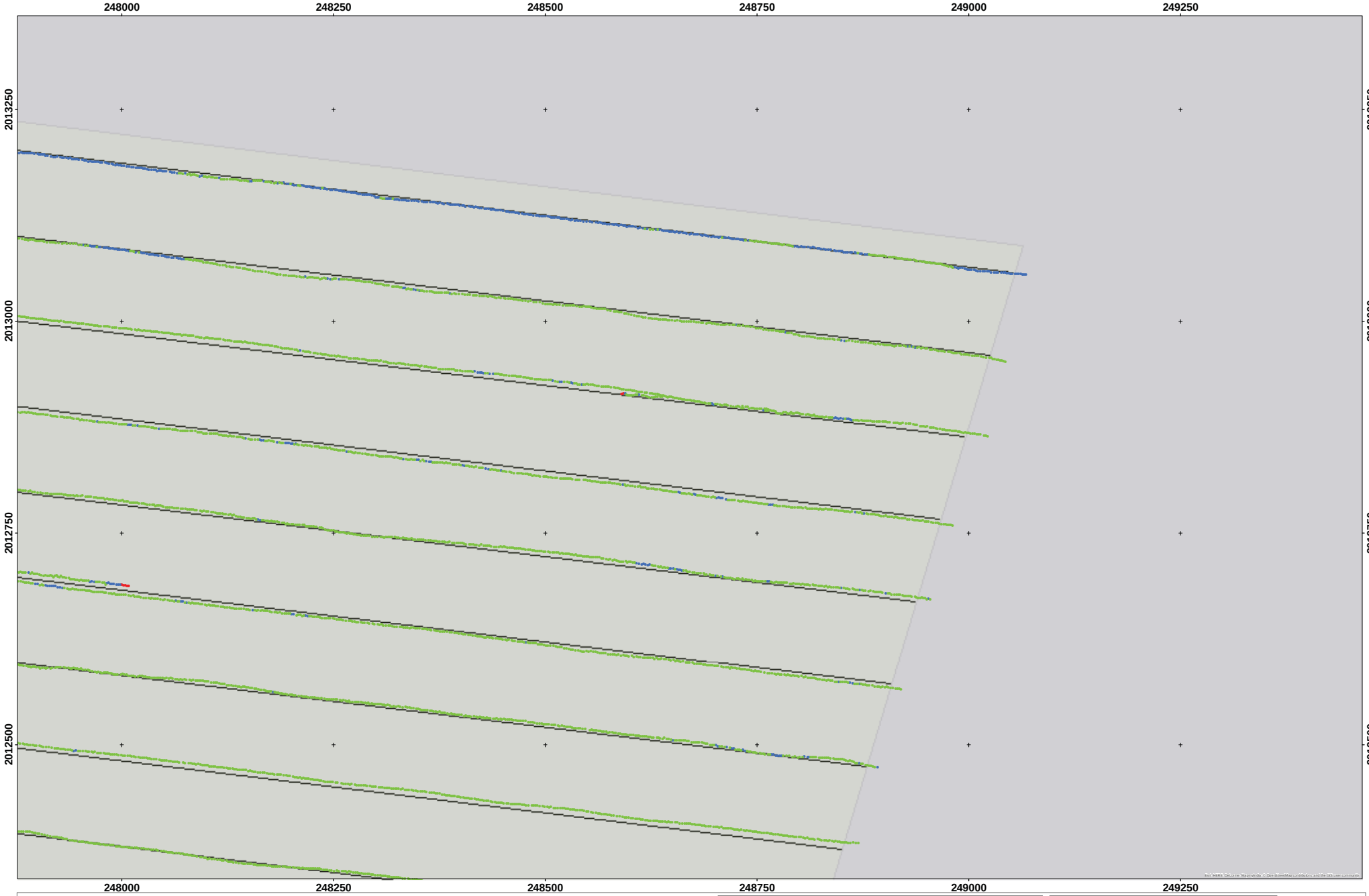
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 3

Legend

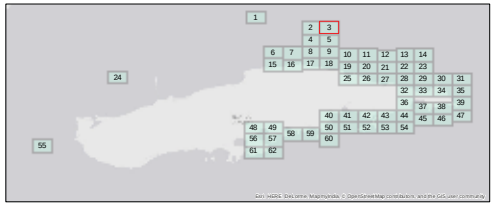
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

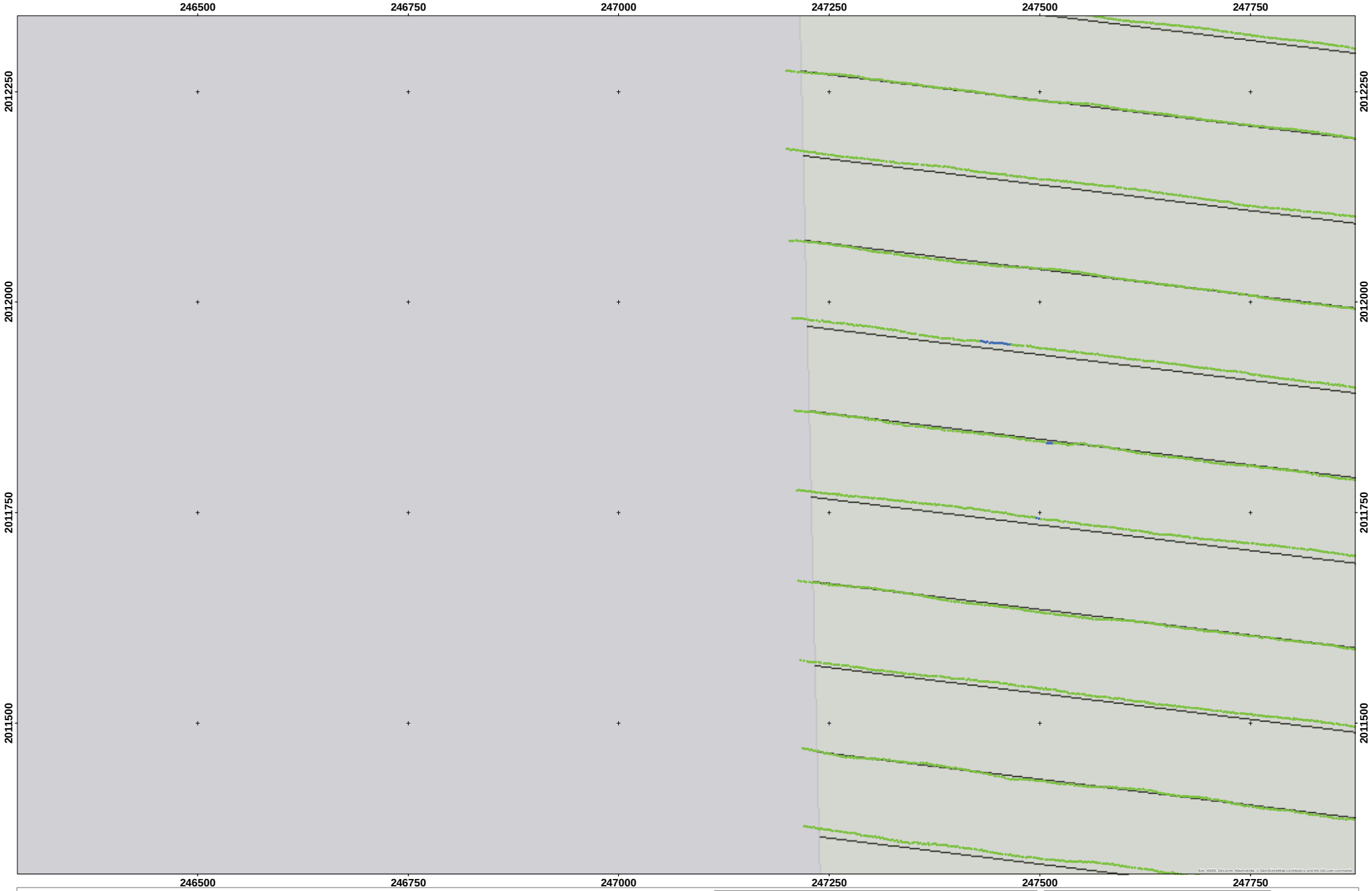
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 4

Legend

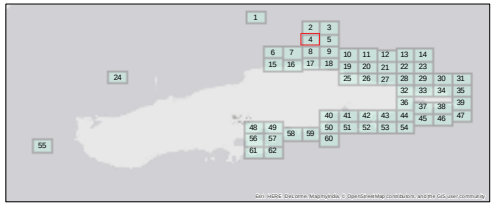
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

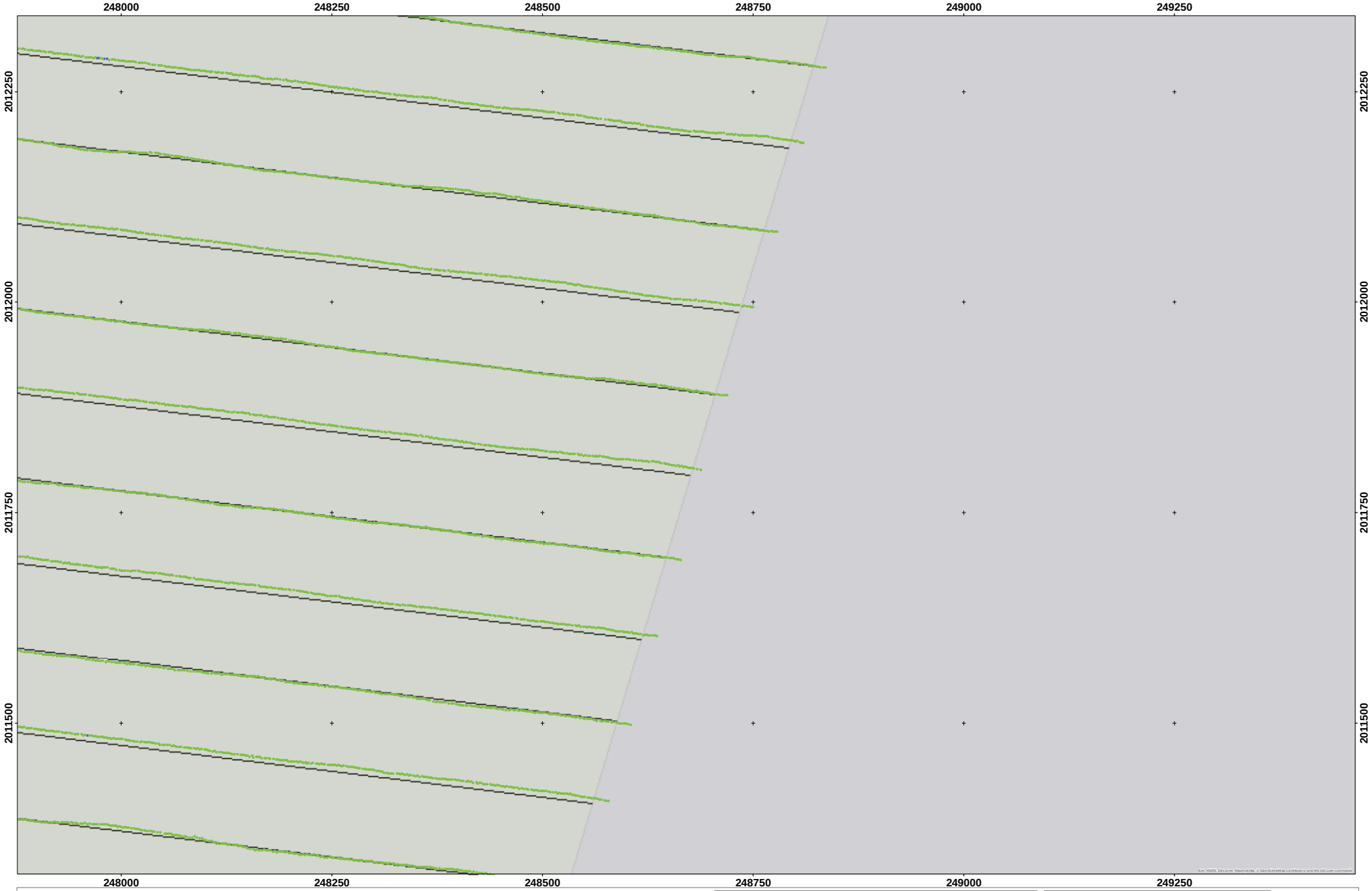
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 5

Legend

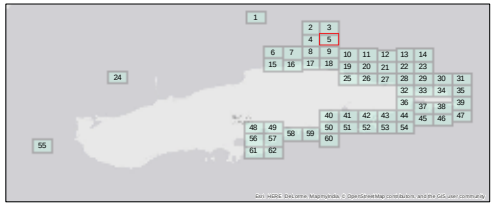
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

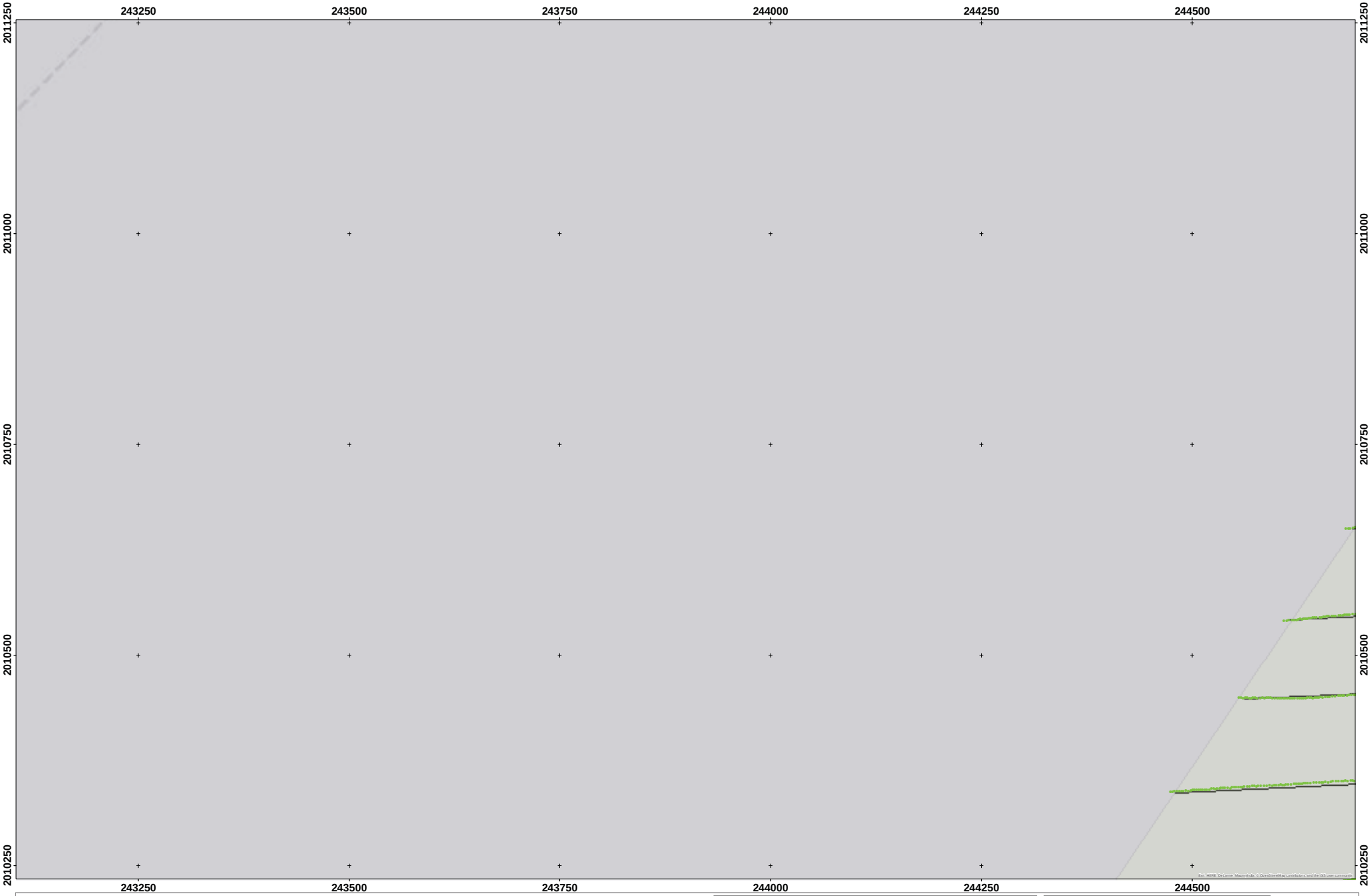
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 6

Legend

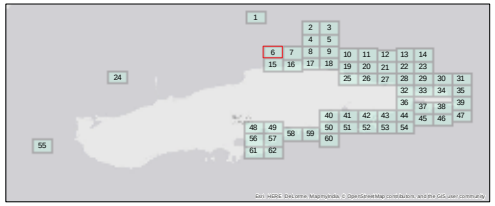
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

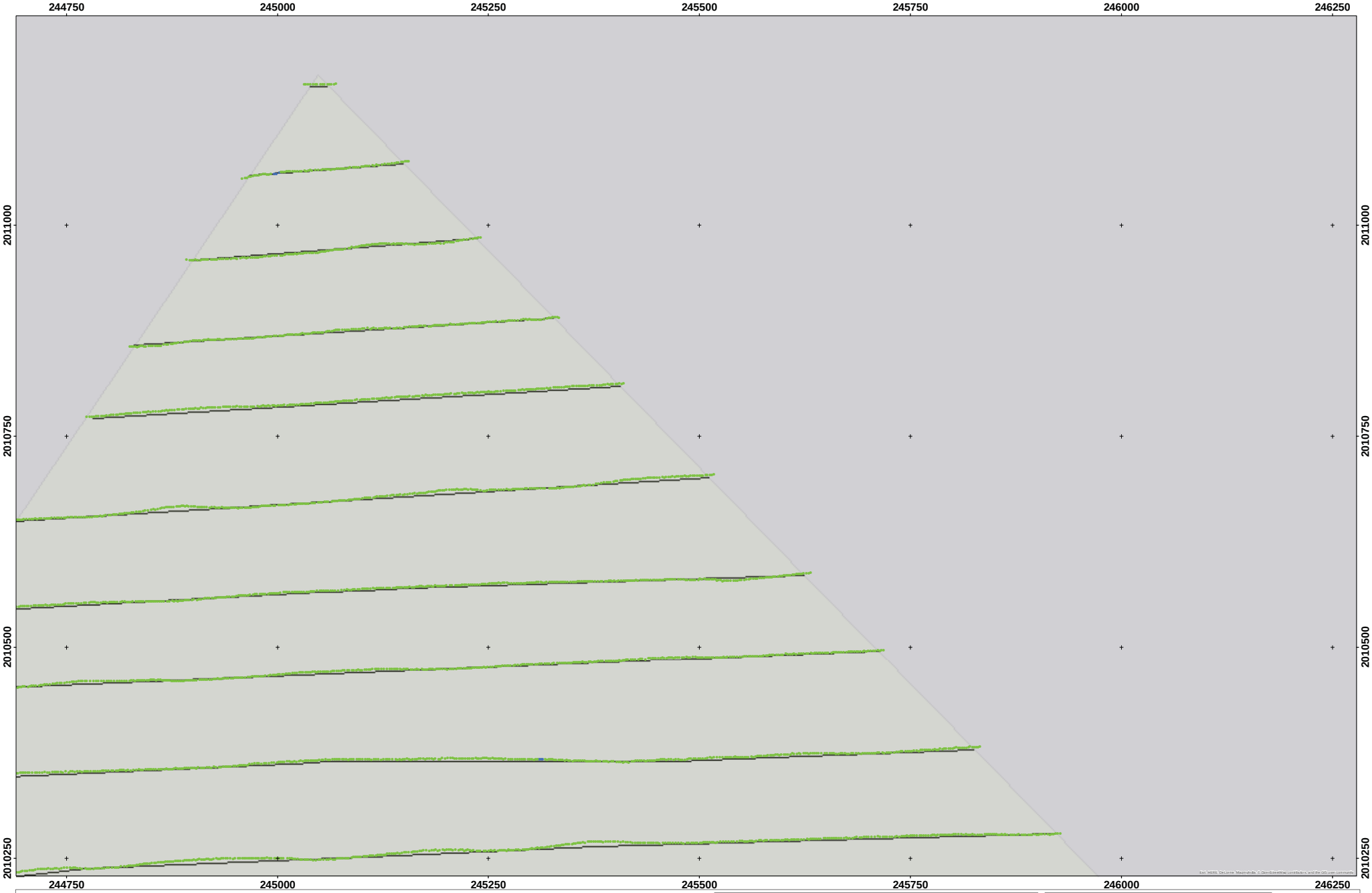
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 7

Legend

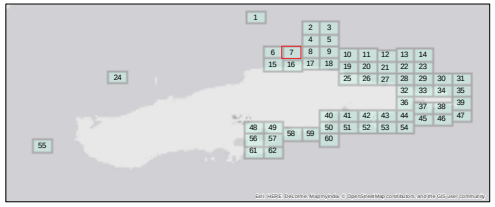
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

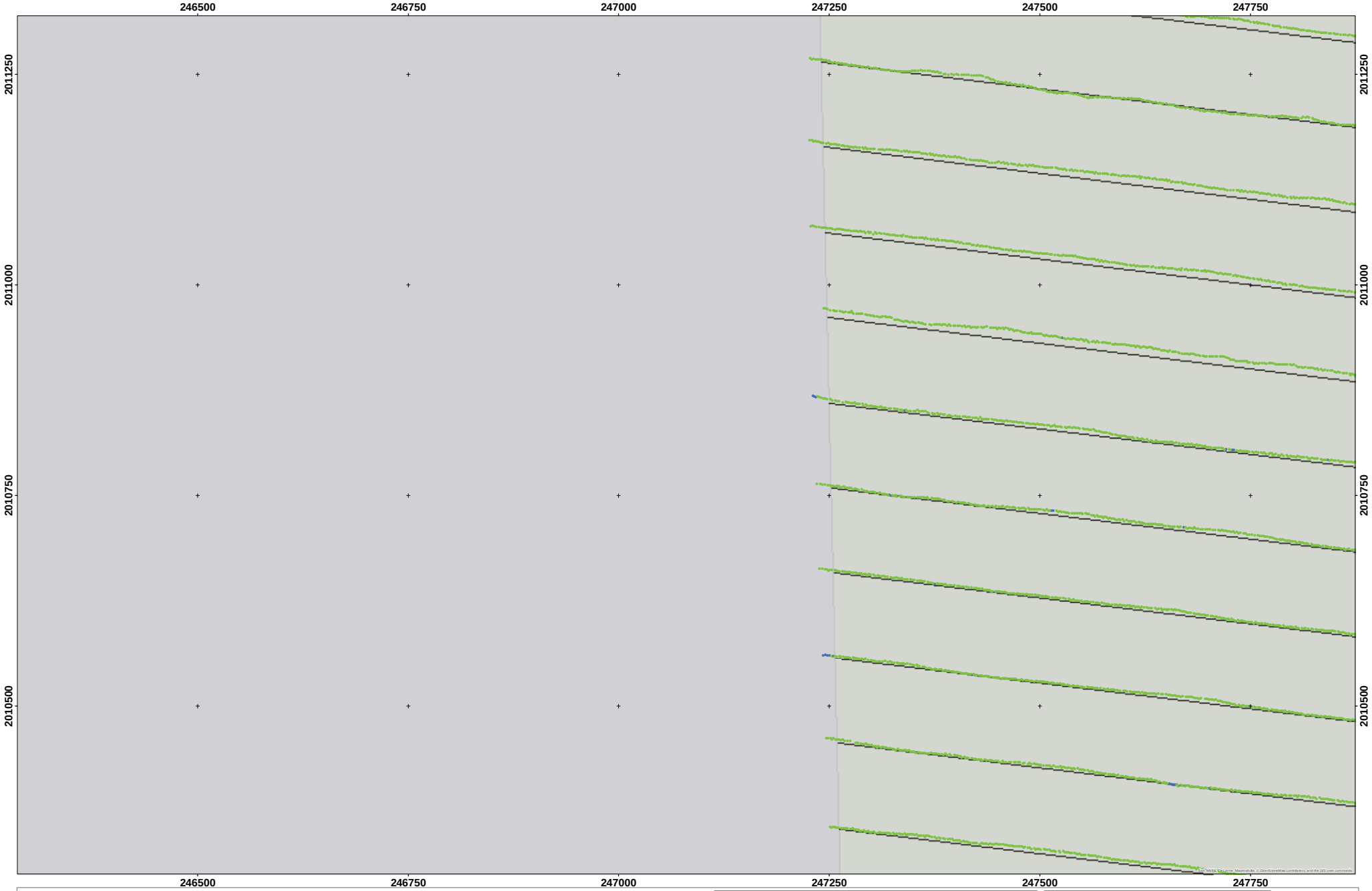
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 8

Legend

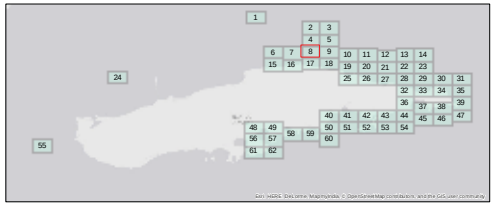
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

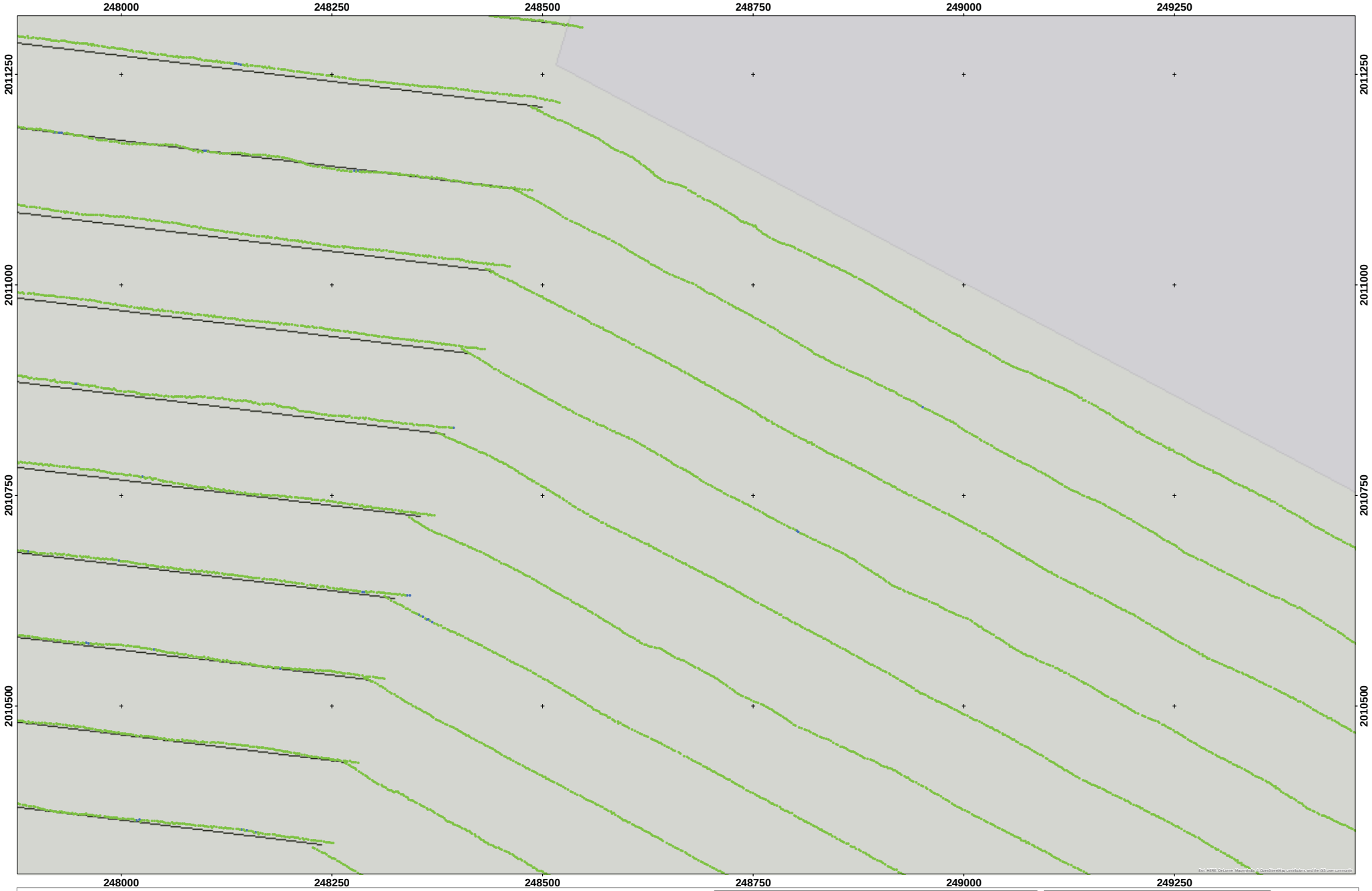
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 9

Legend

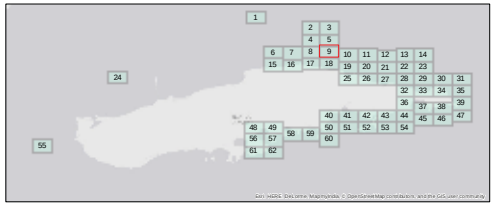
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

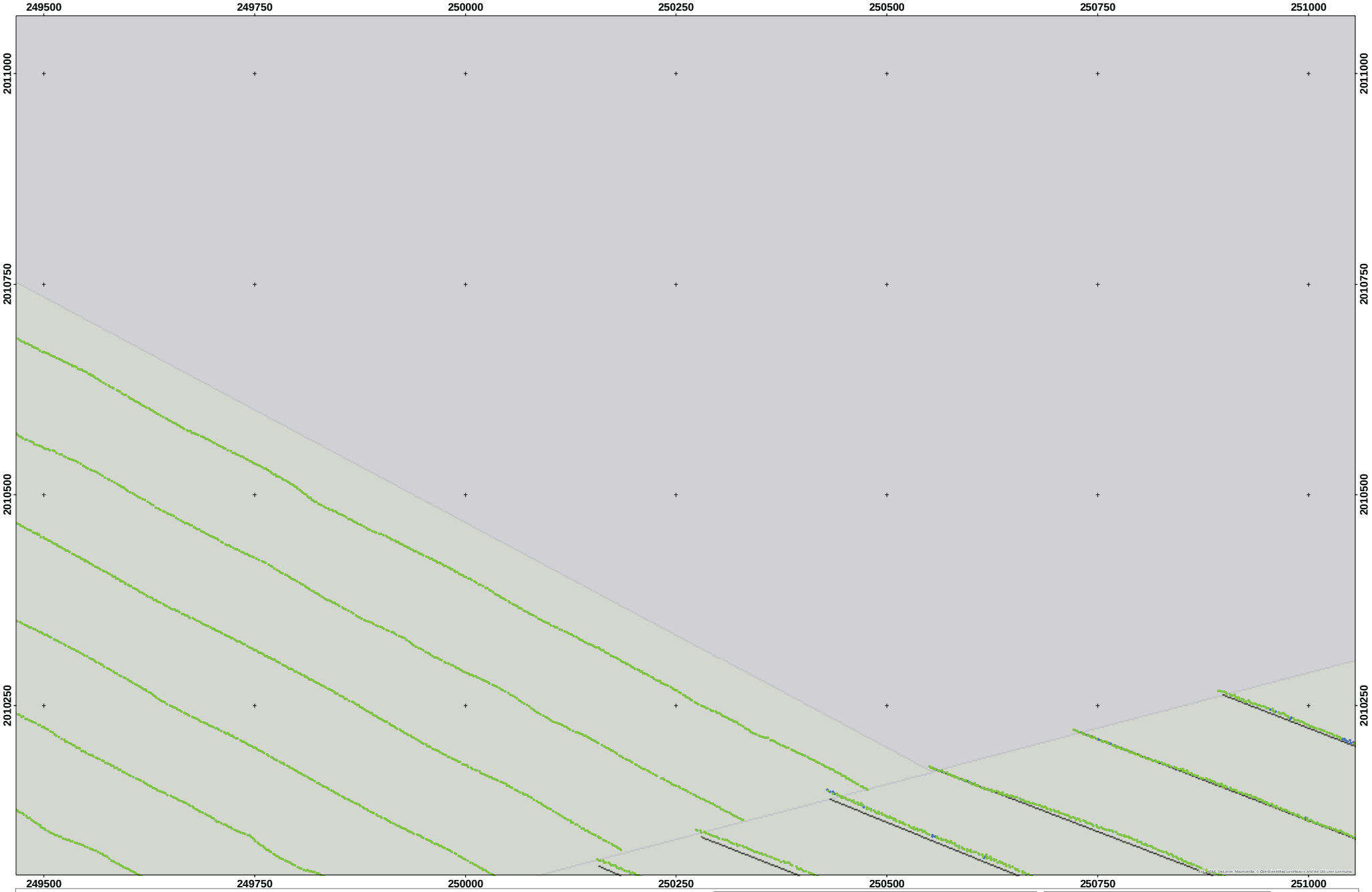
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 10

Legend

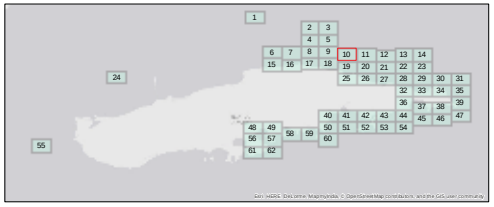
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

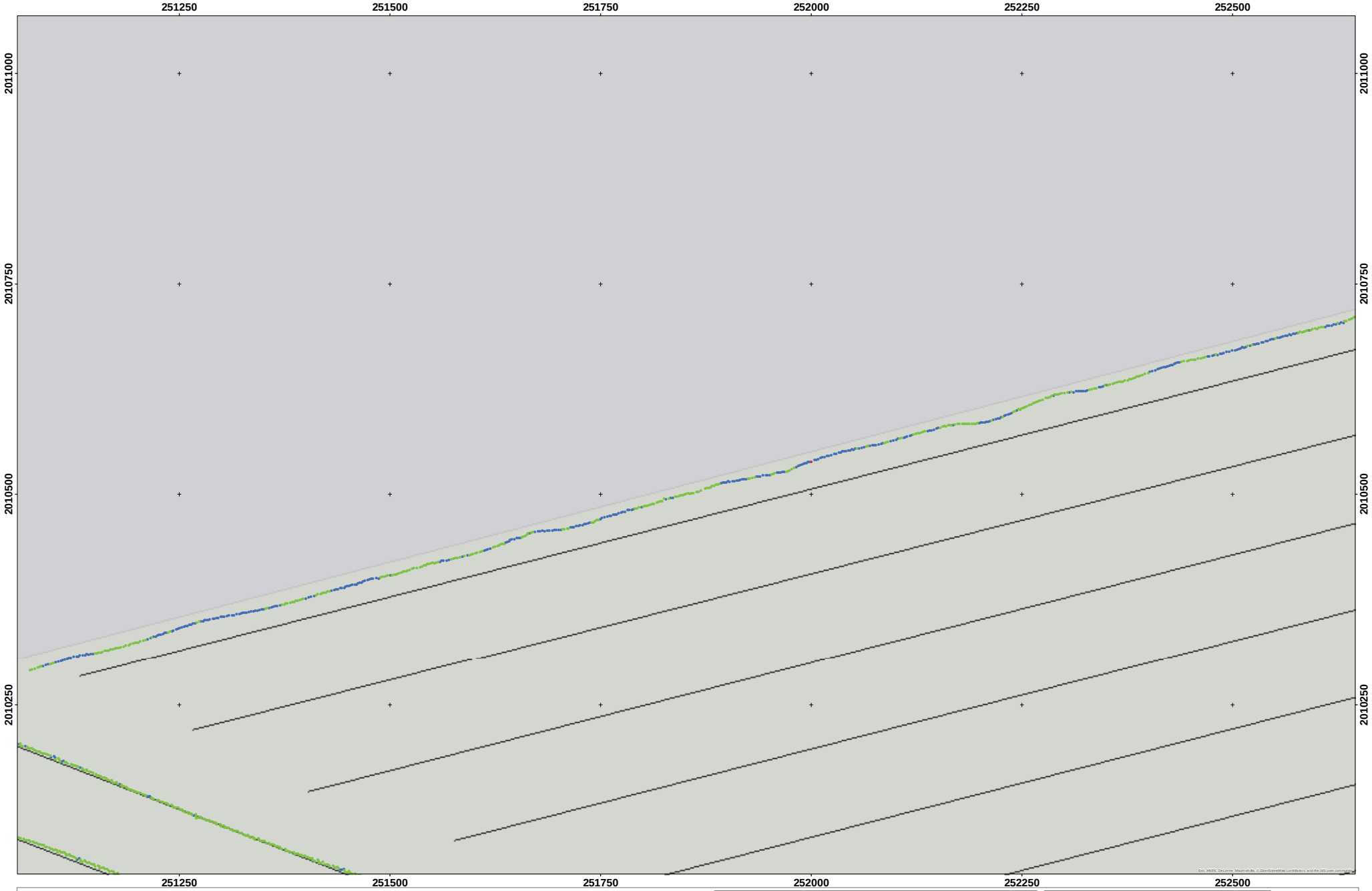
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 11

Legend

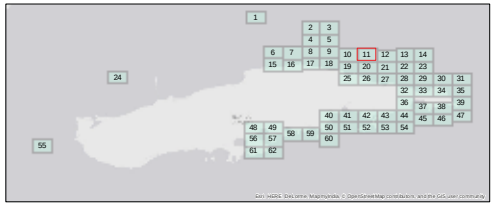
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

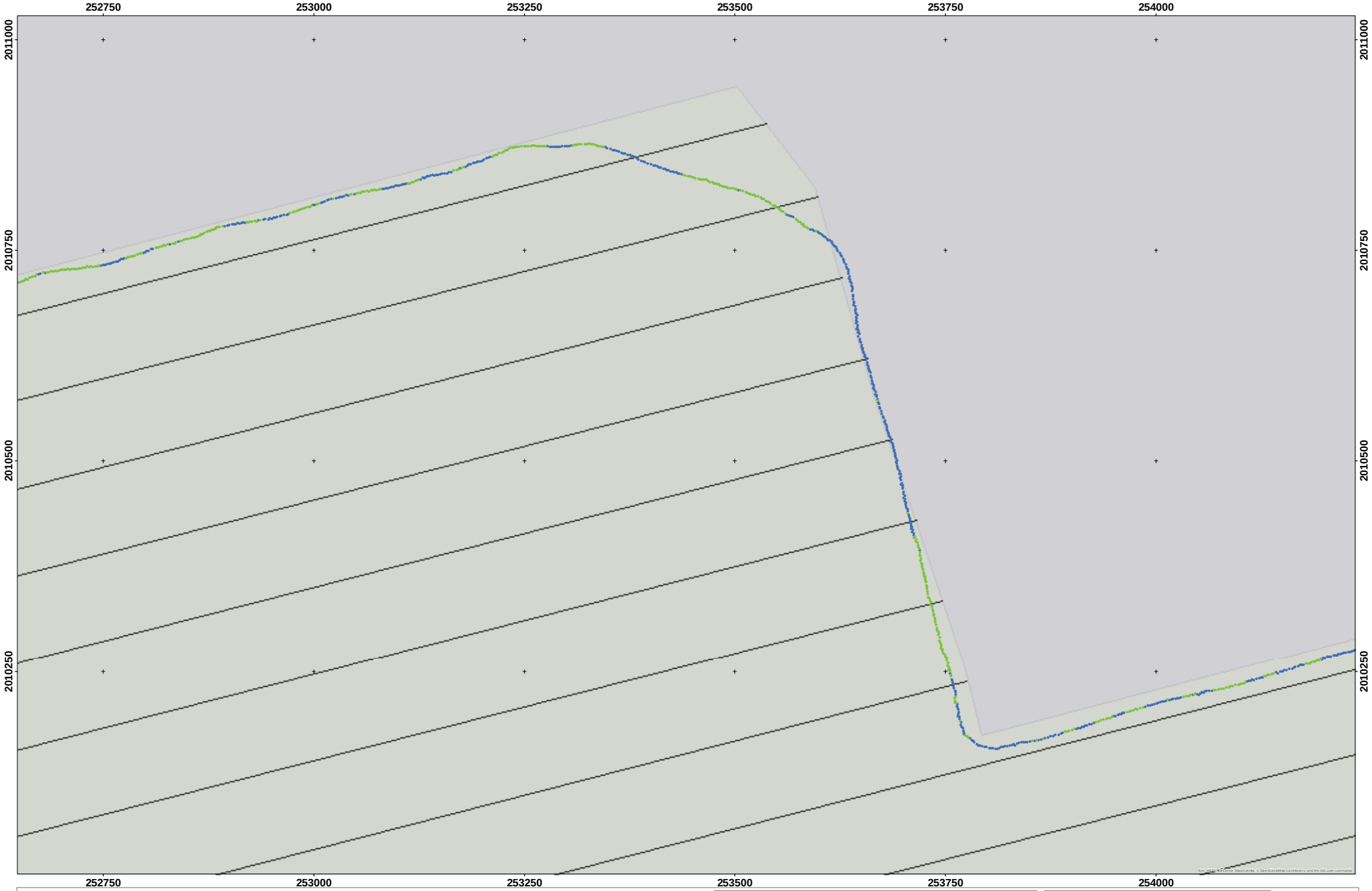
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 12

Legend

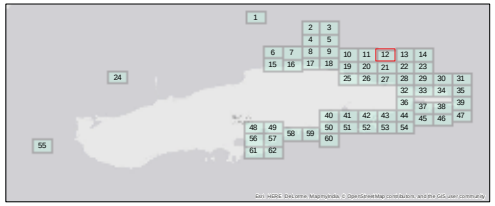
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

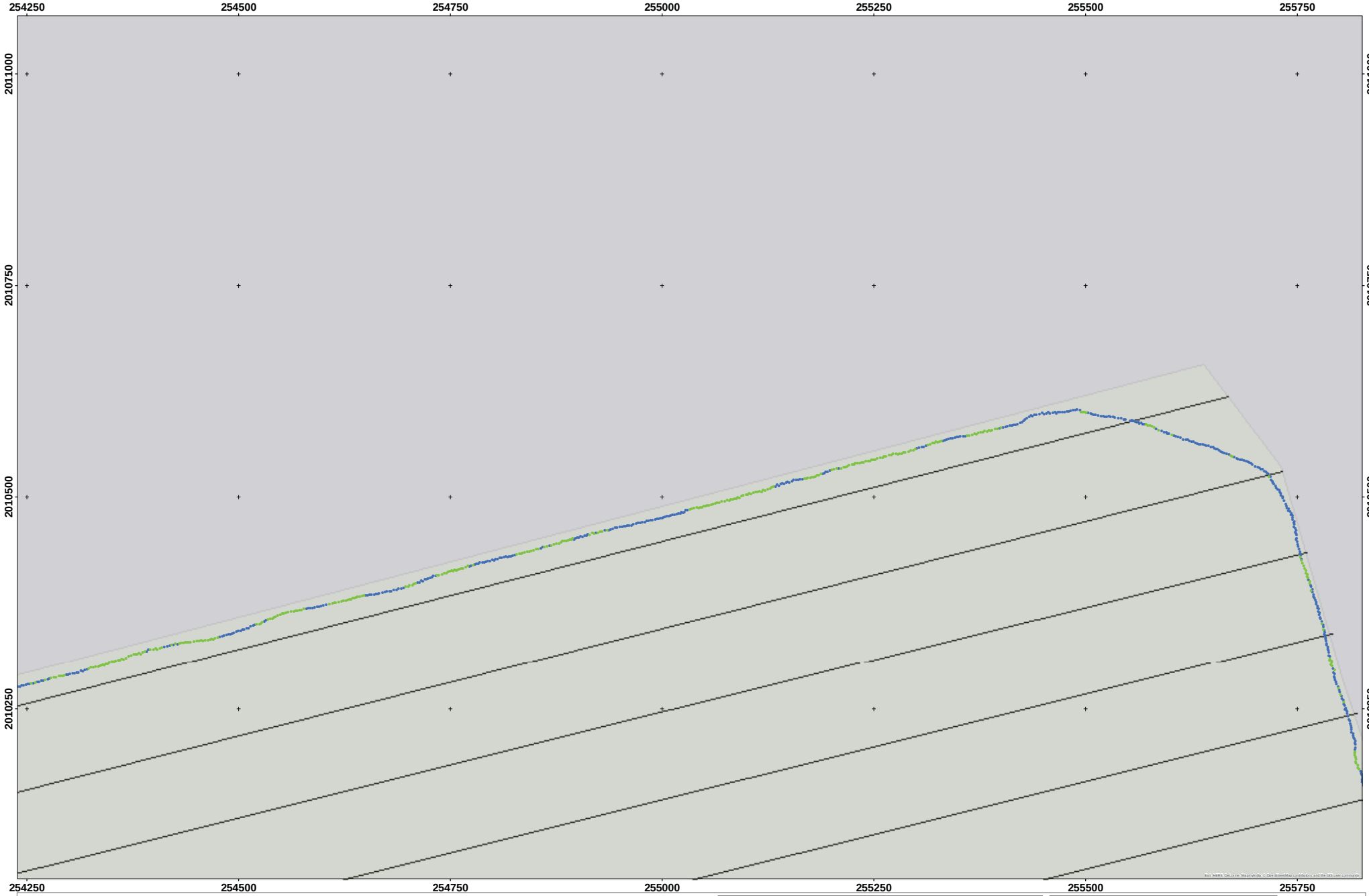
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 13

Legend

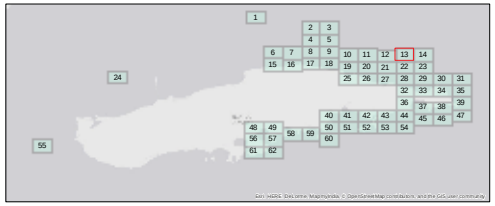
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

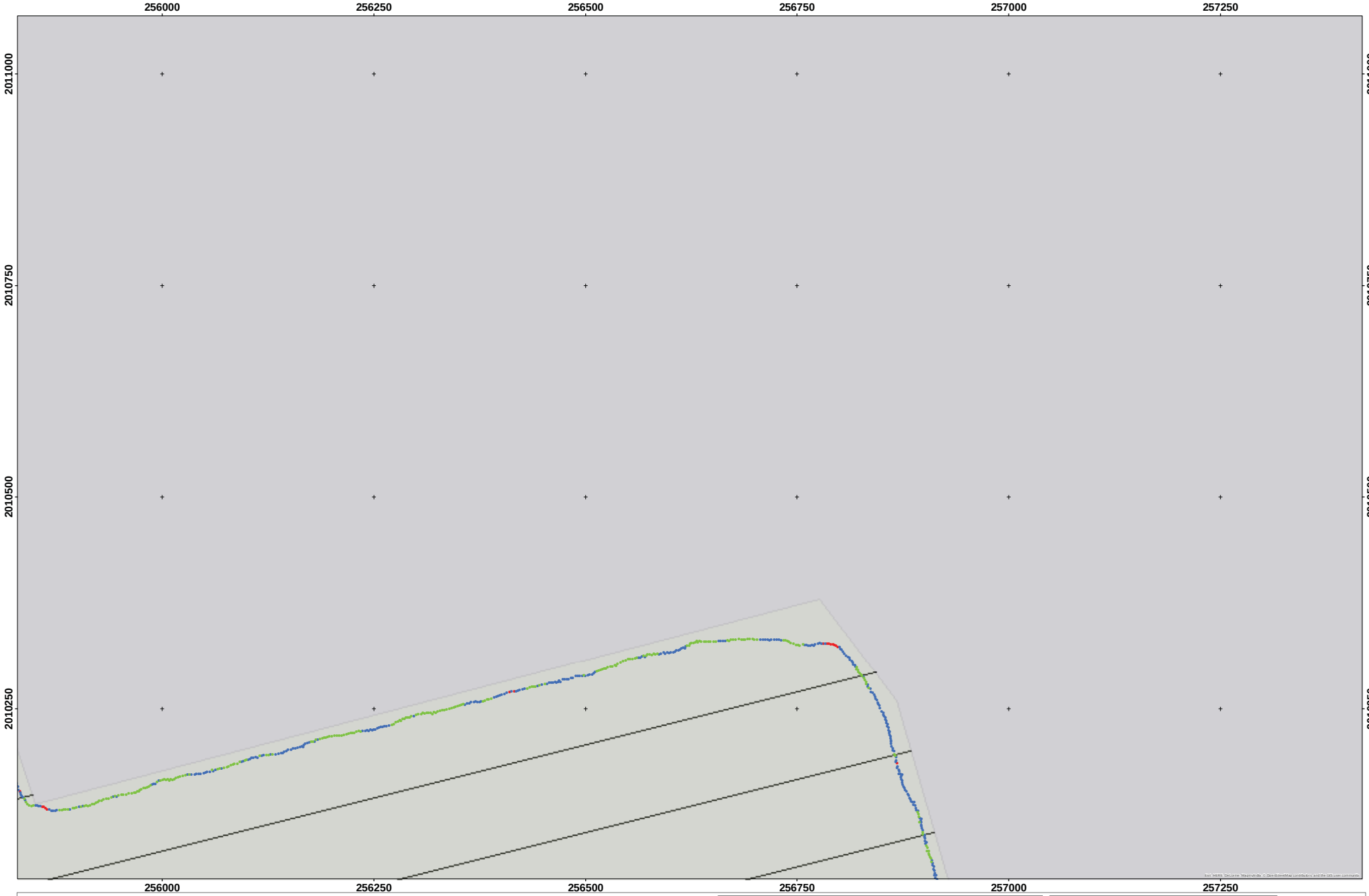
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 14

Legend

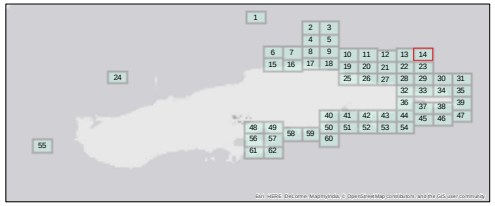
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

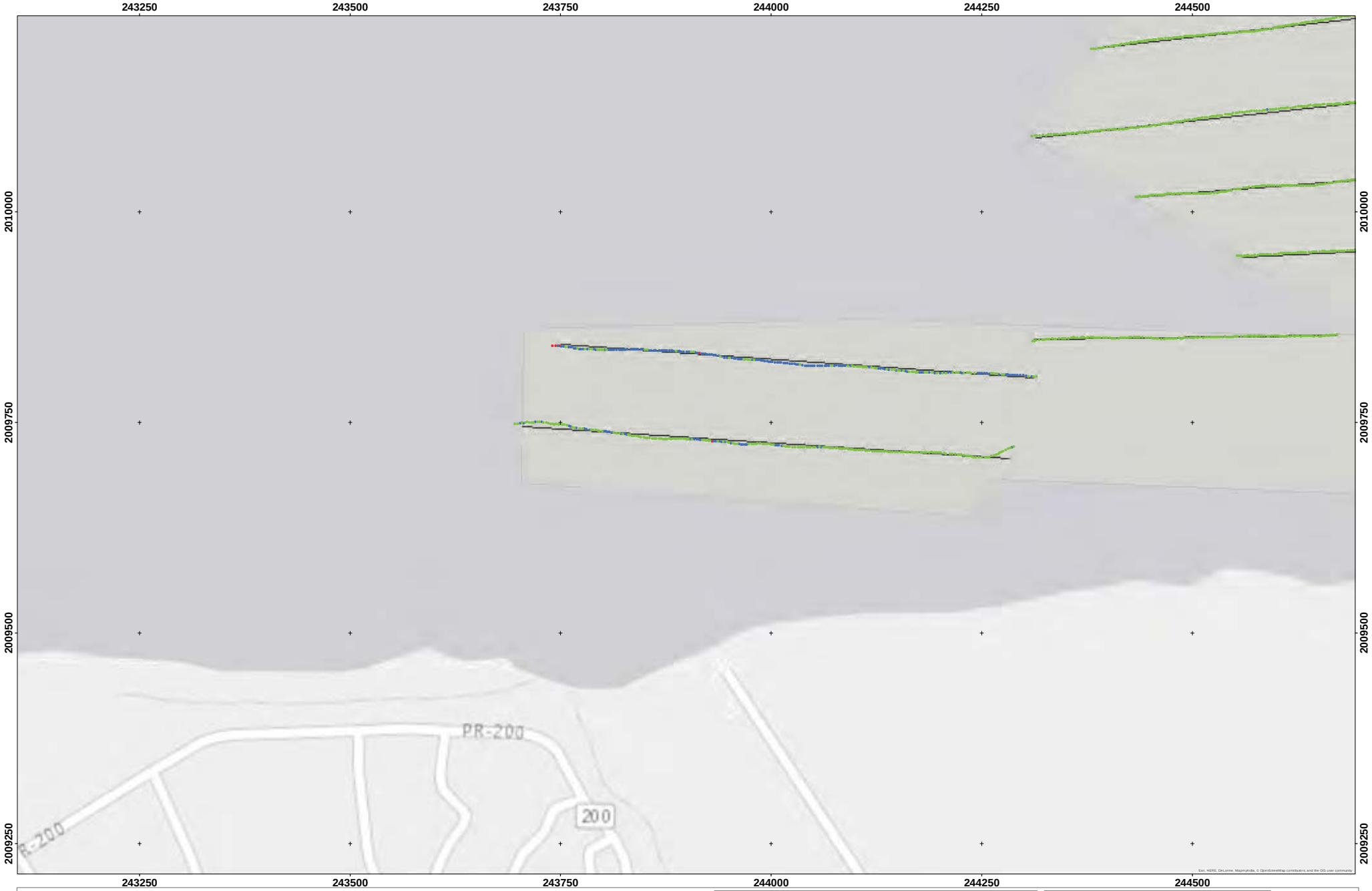
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 15

Legend

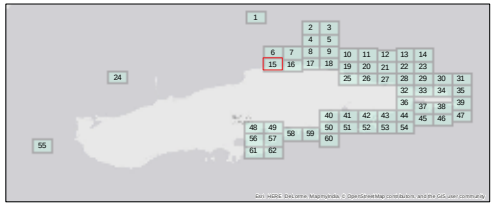
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

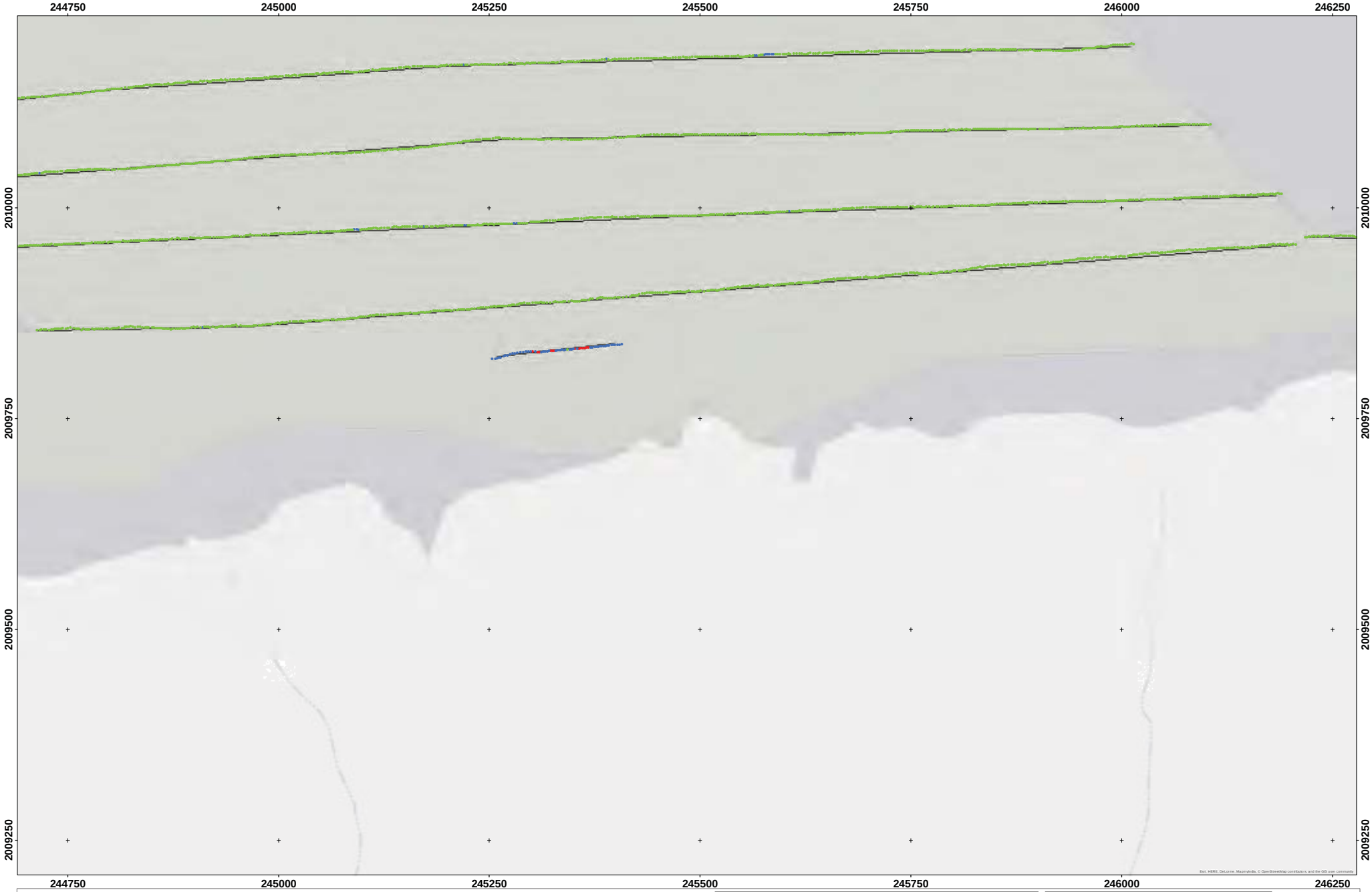
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 16

Legend

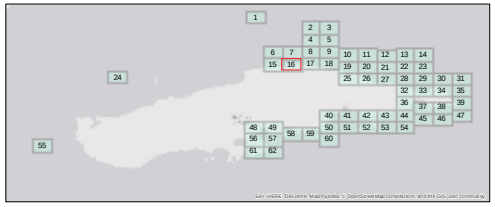
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

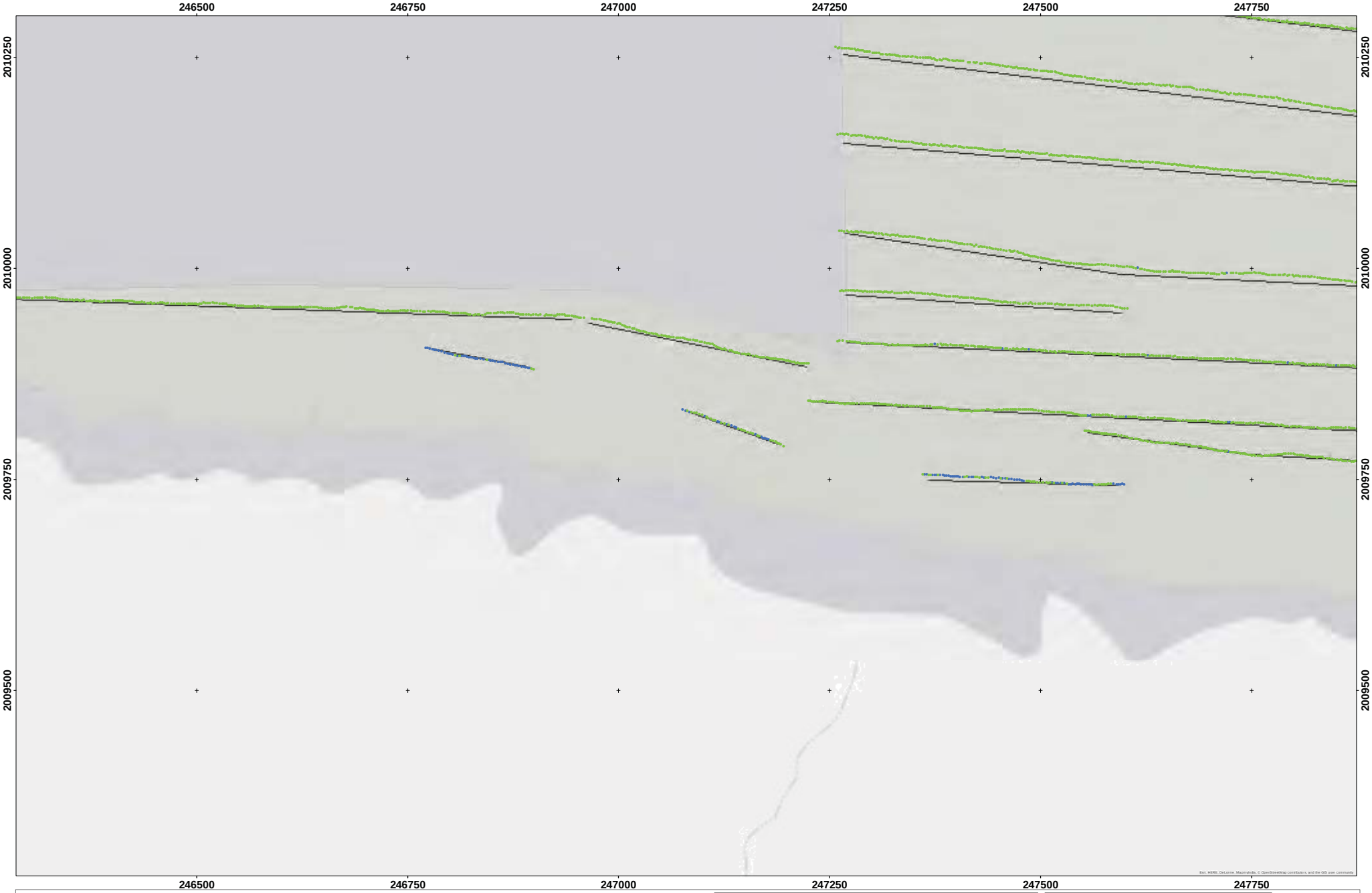
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 17

Legend

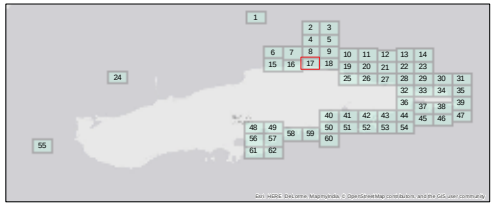
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

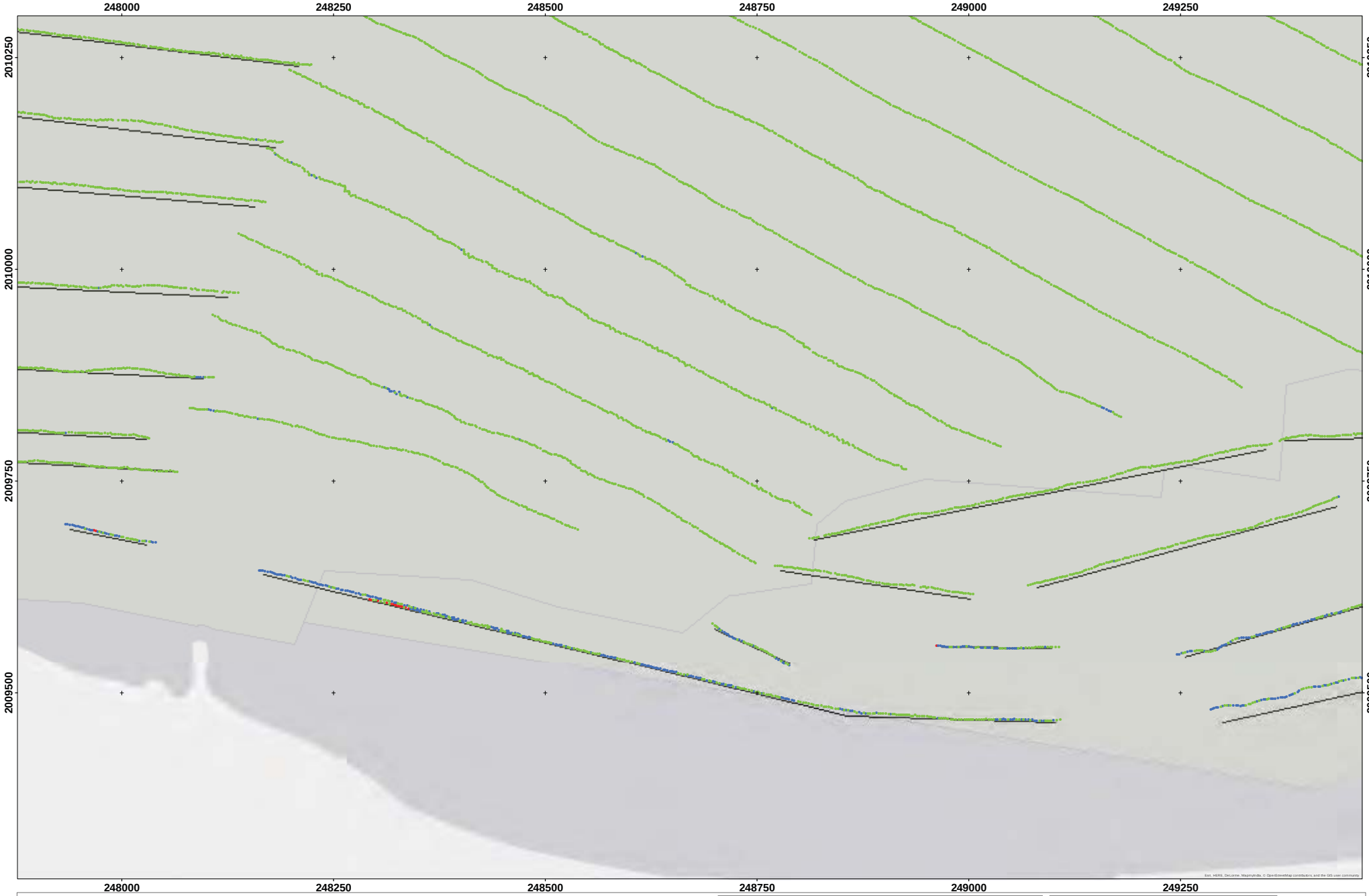
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 18

Legend

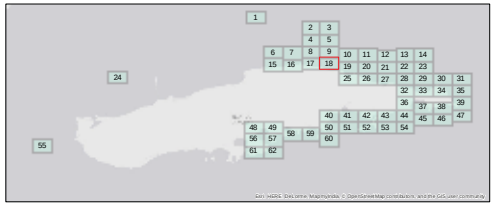
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

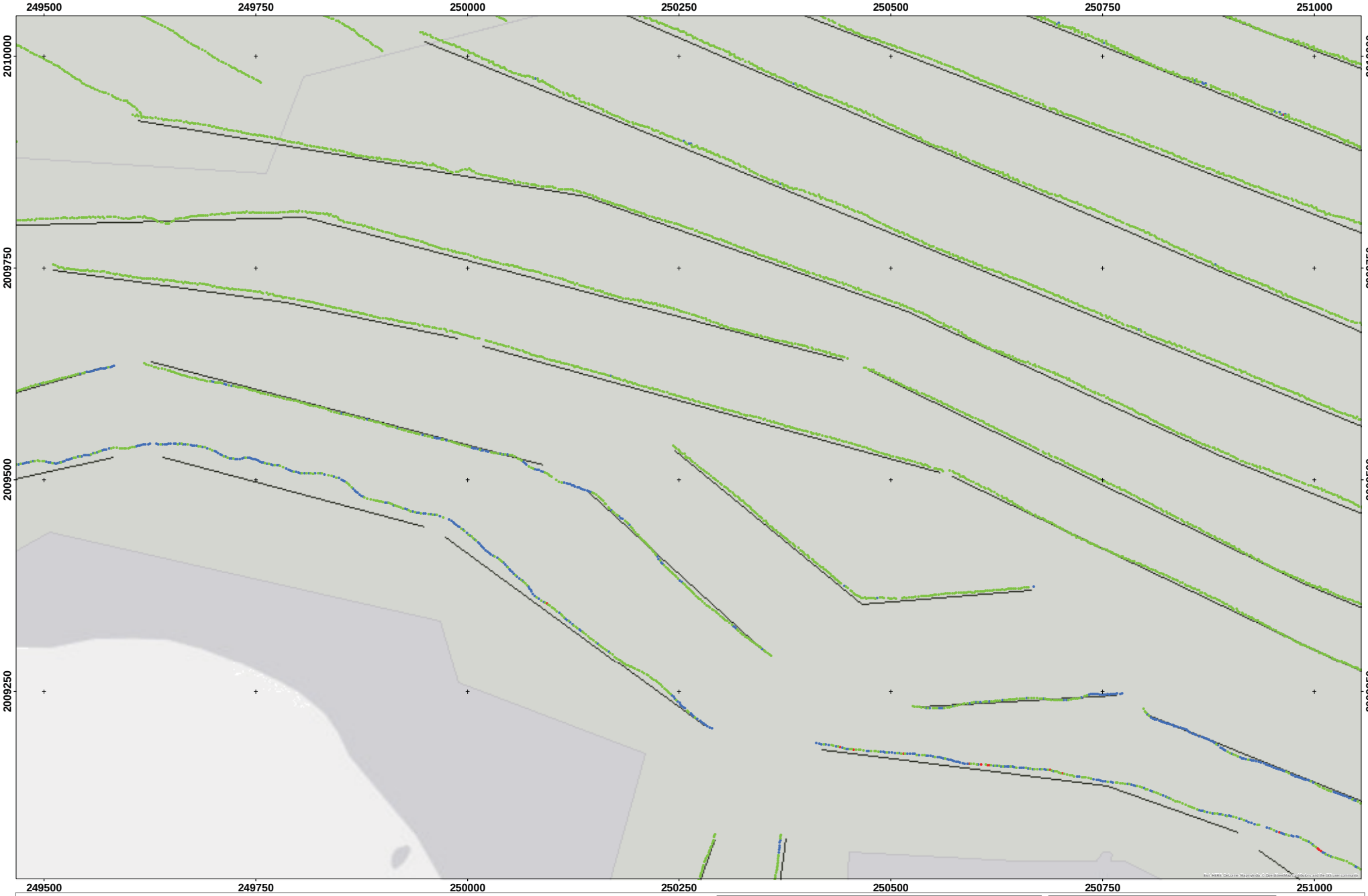
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 19

Legend

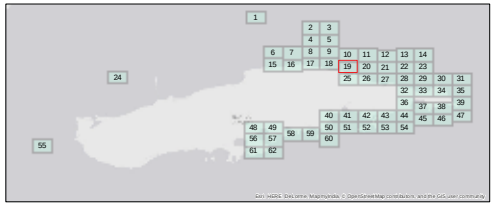
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

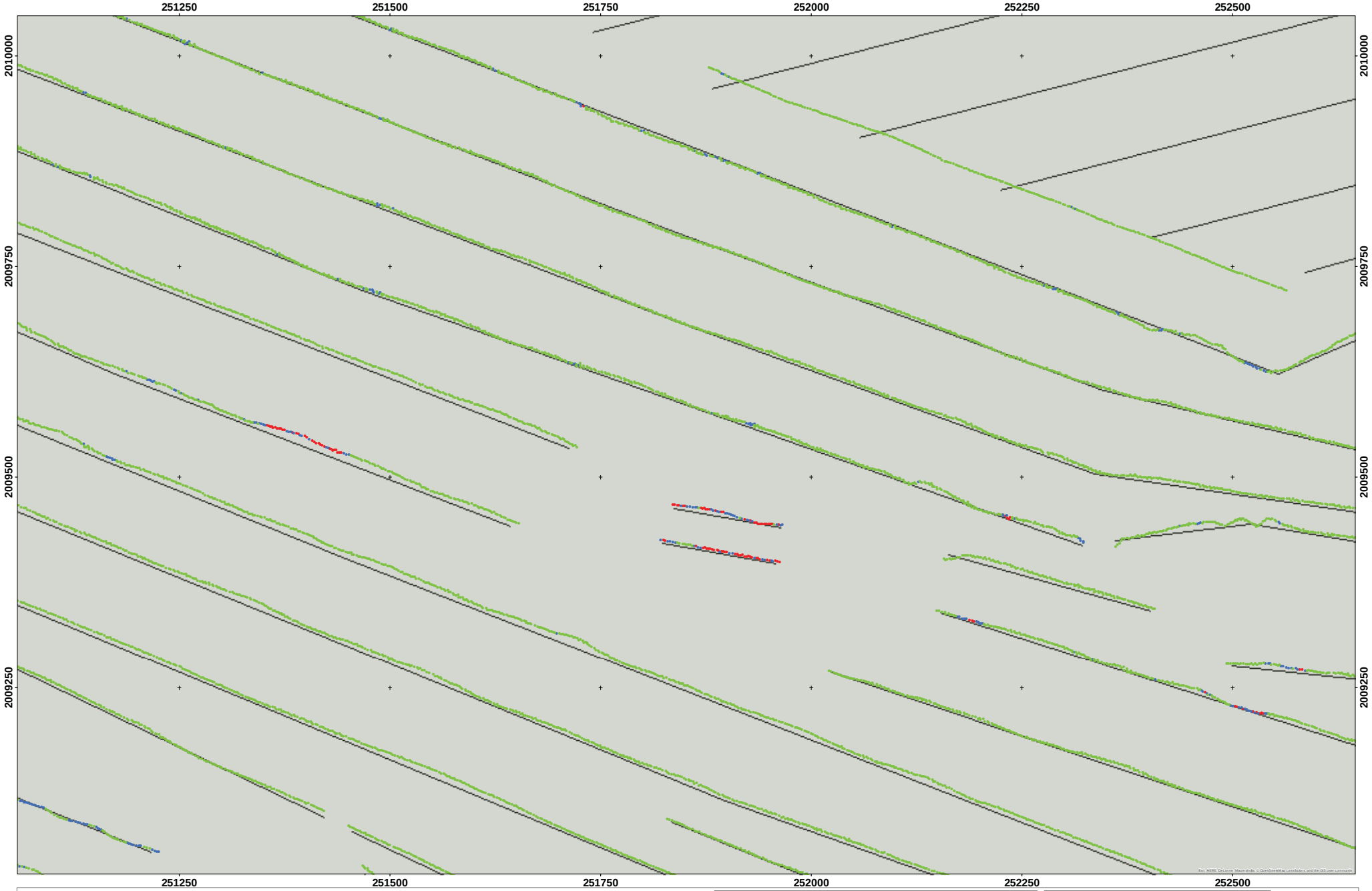
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 20

Legend

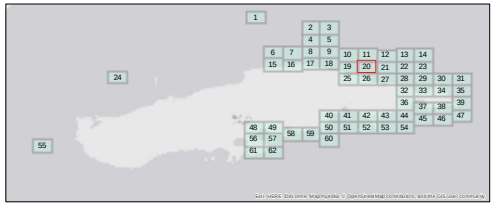
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

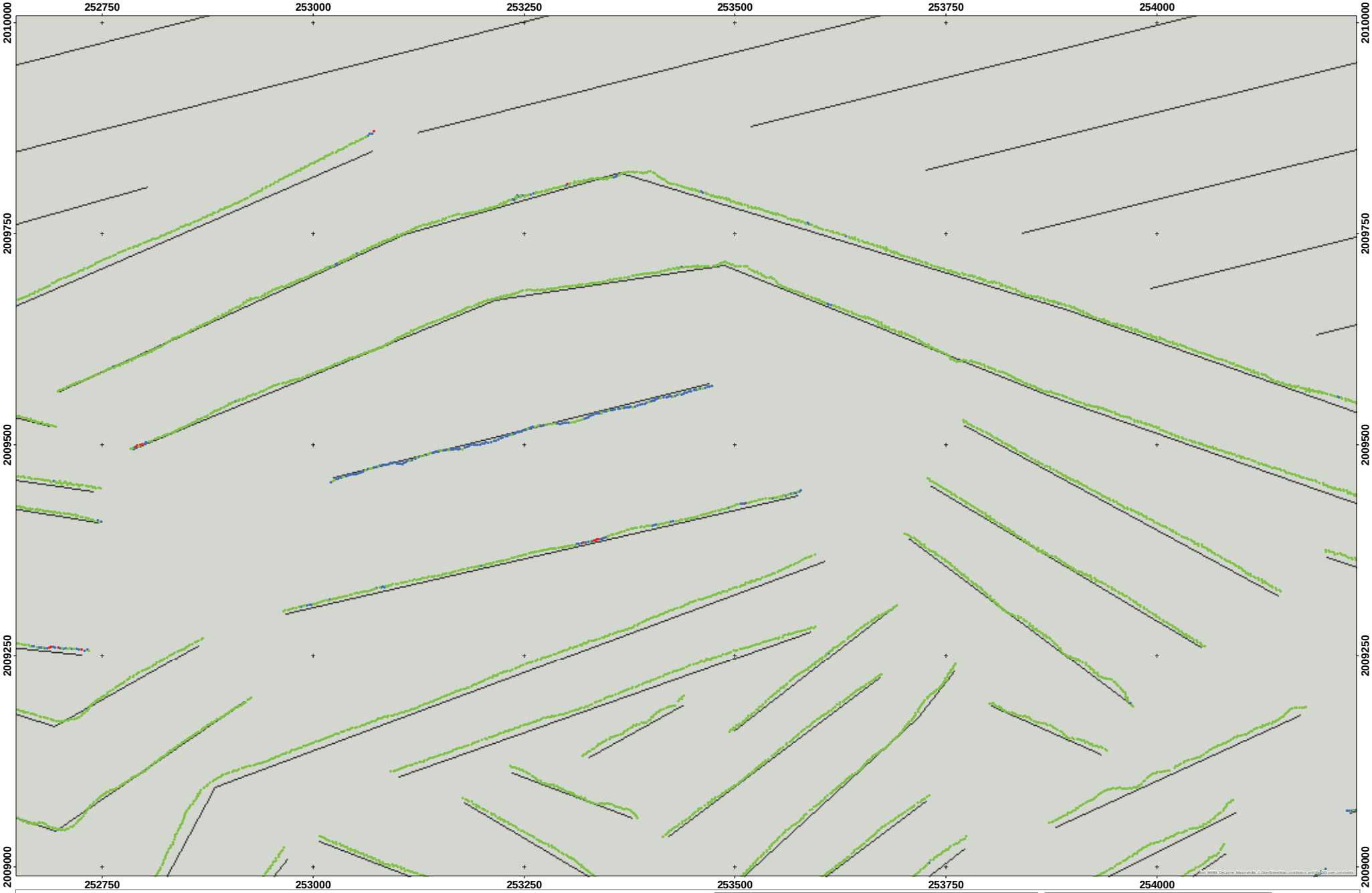
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 21

Legend

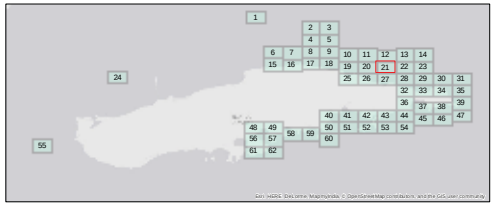
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

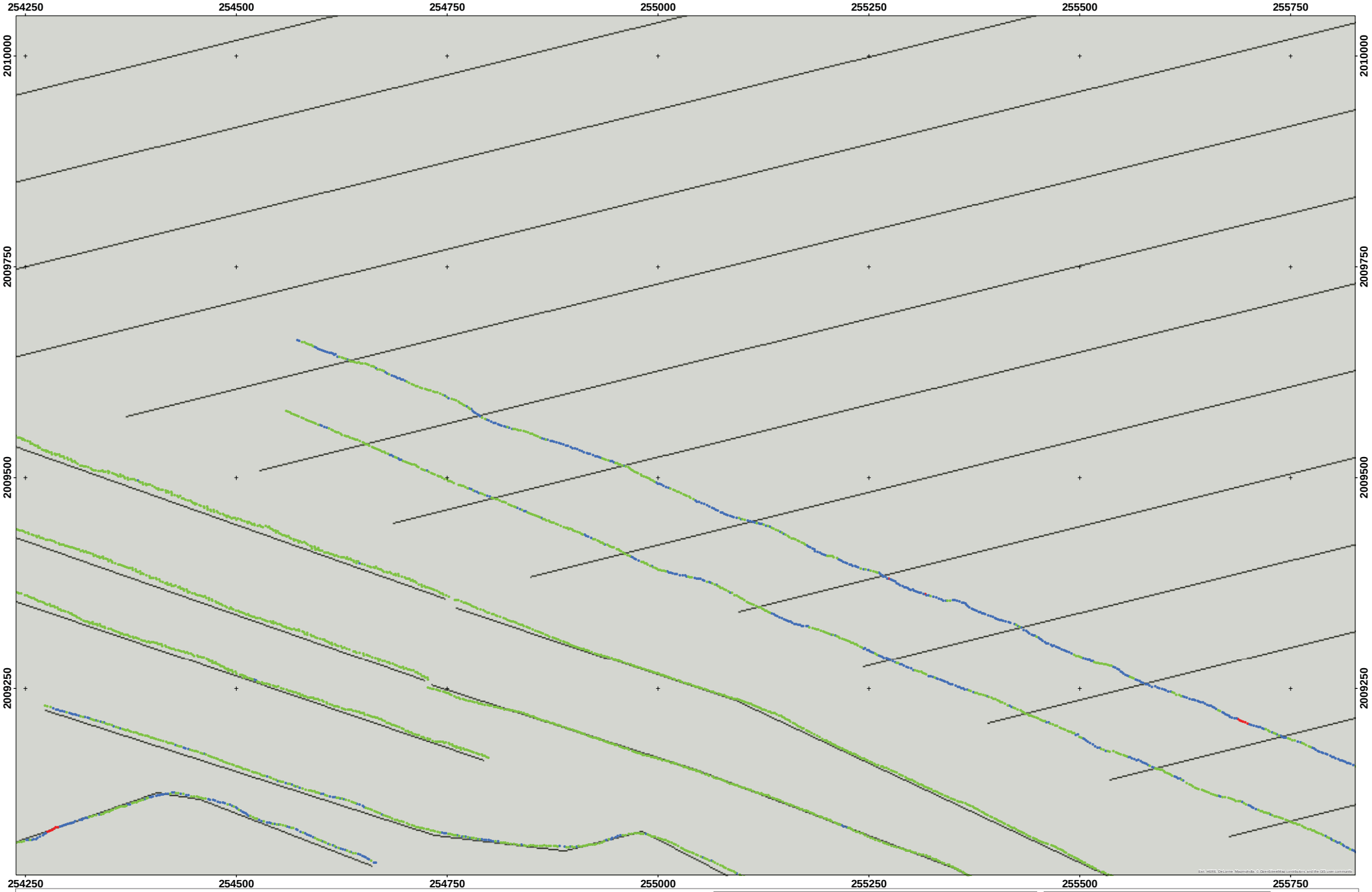
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 22

Legend

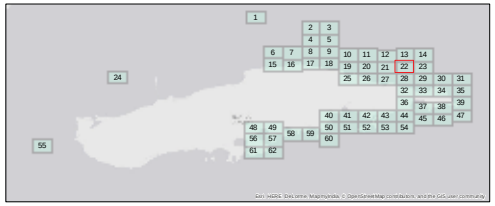
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

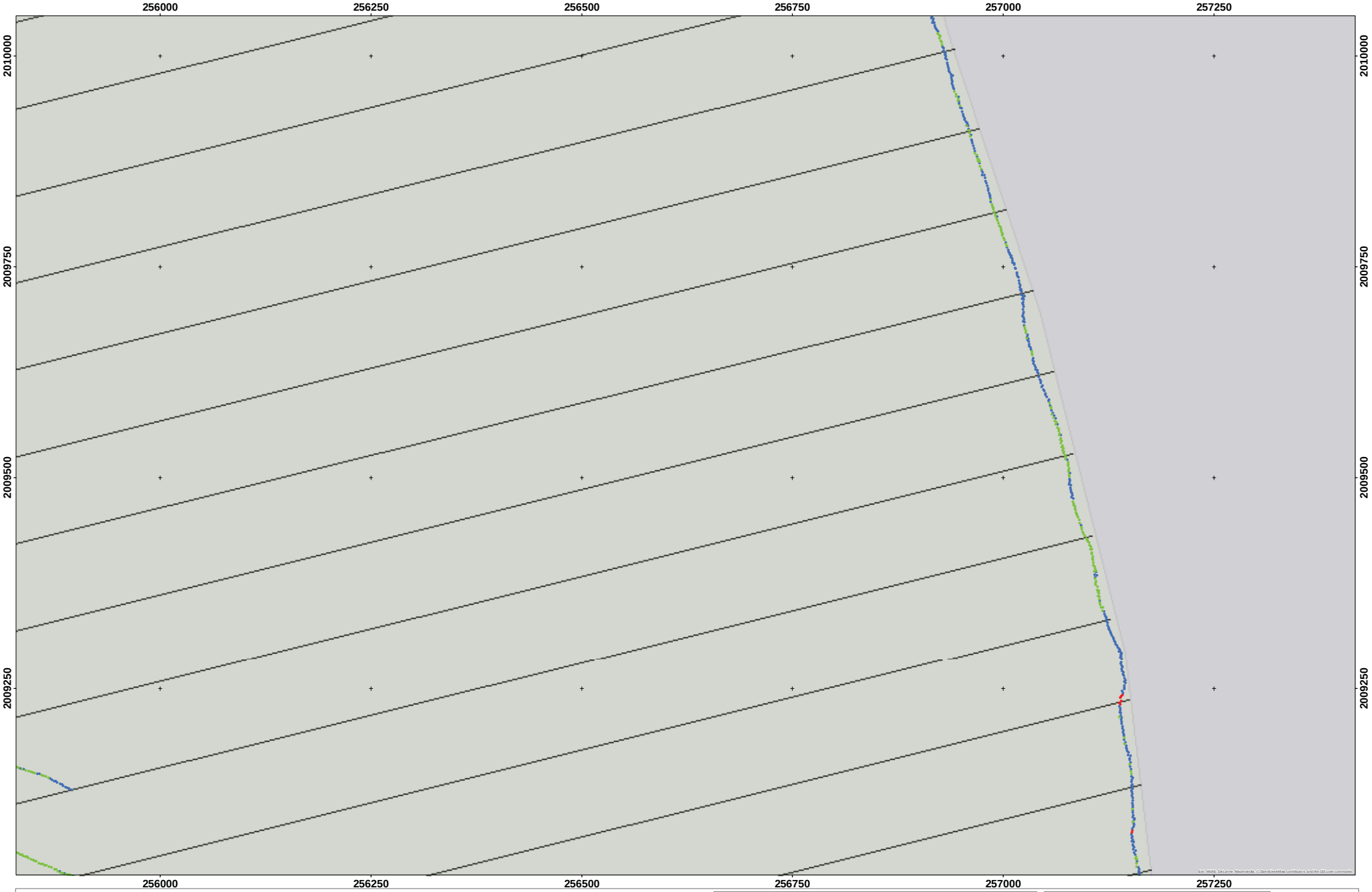
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 23

Legend

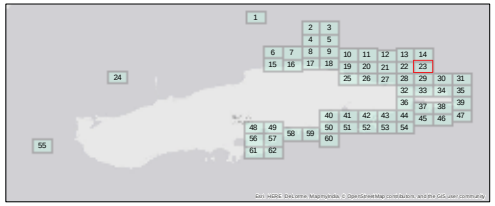
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

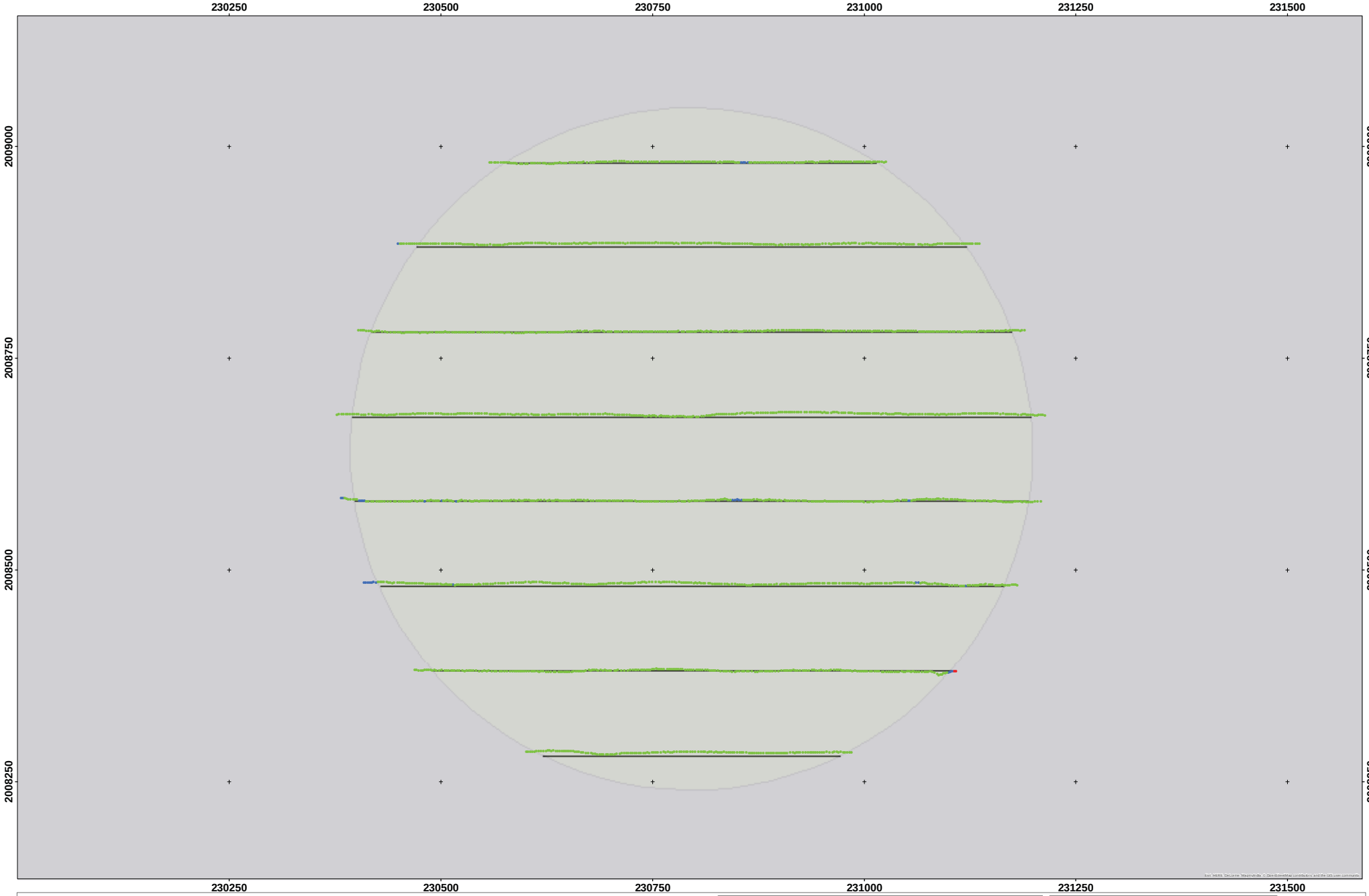
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 24

Legend

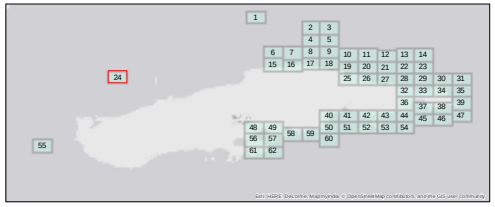
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

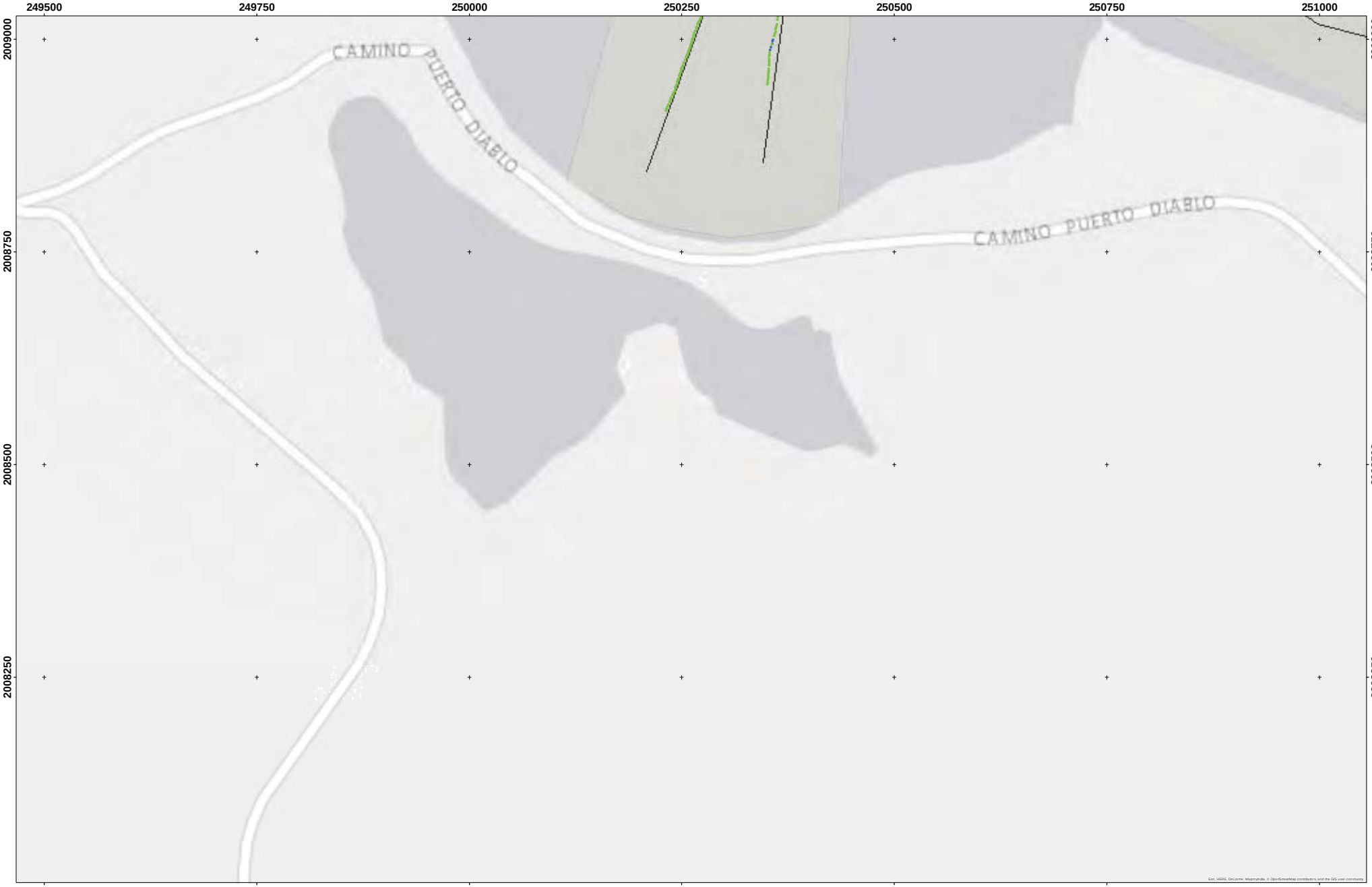
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 25

Legend

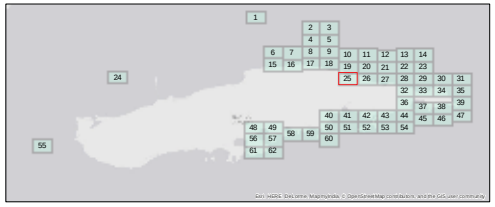
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

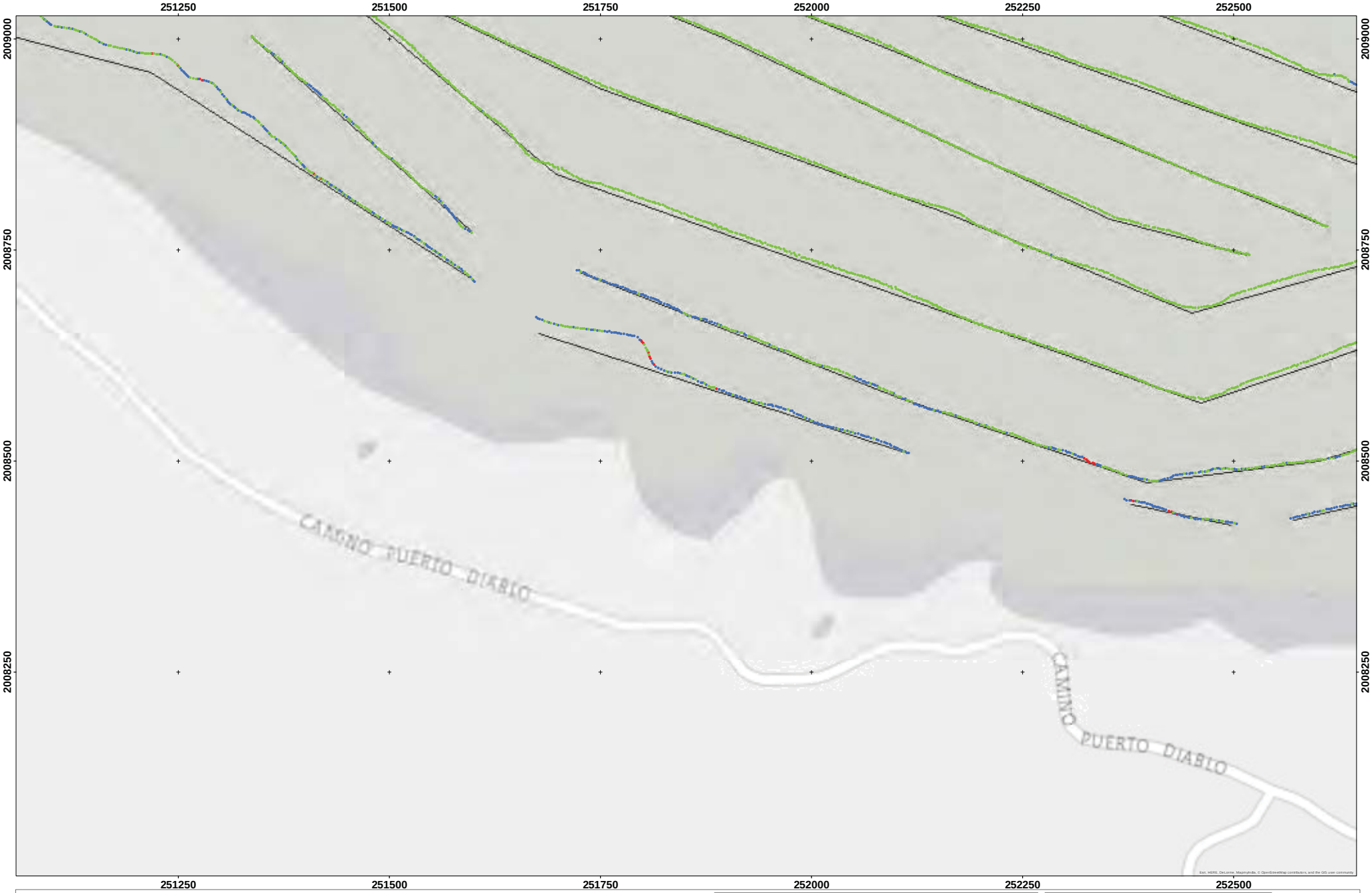
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 26

Legend

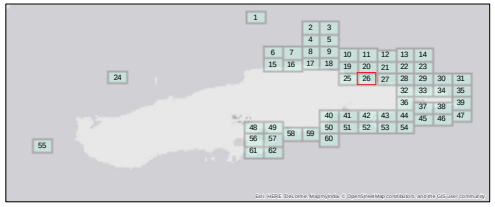
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

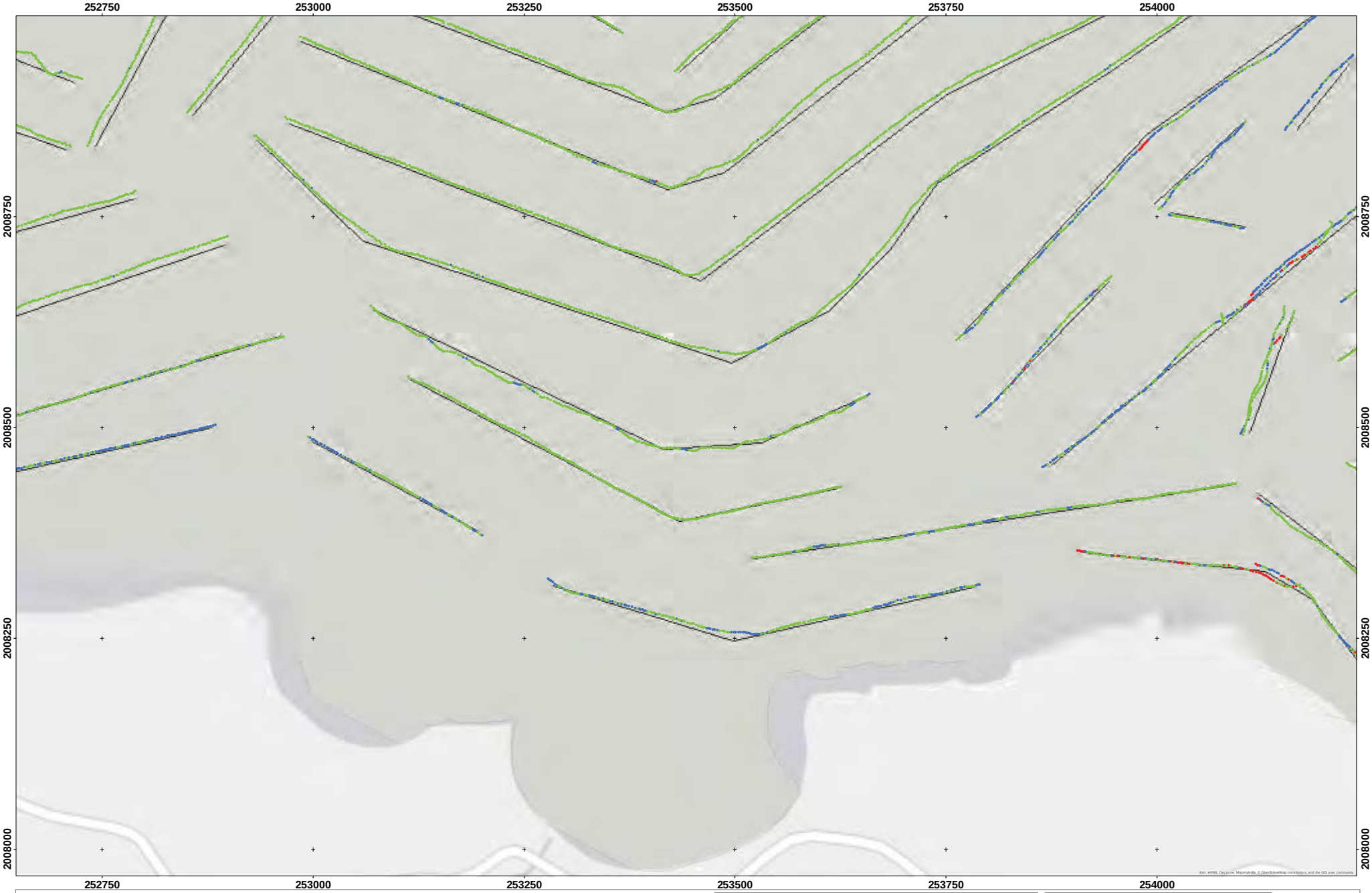
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 27

Legend

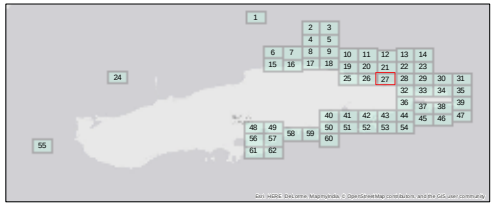
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

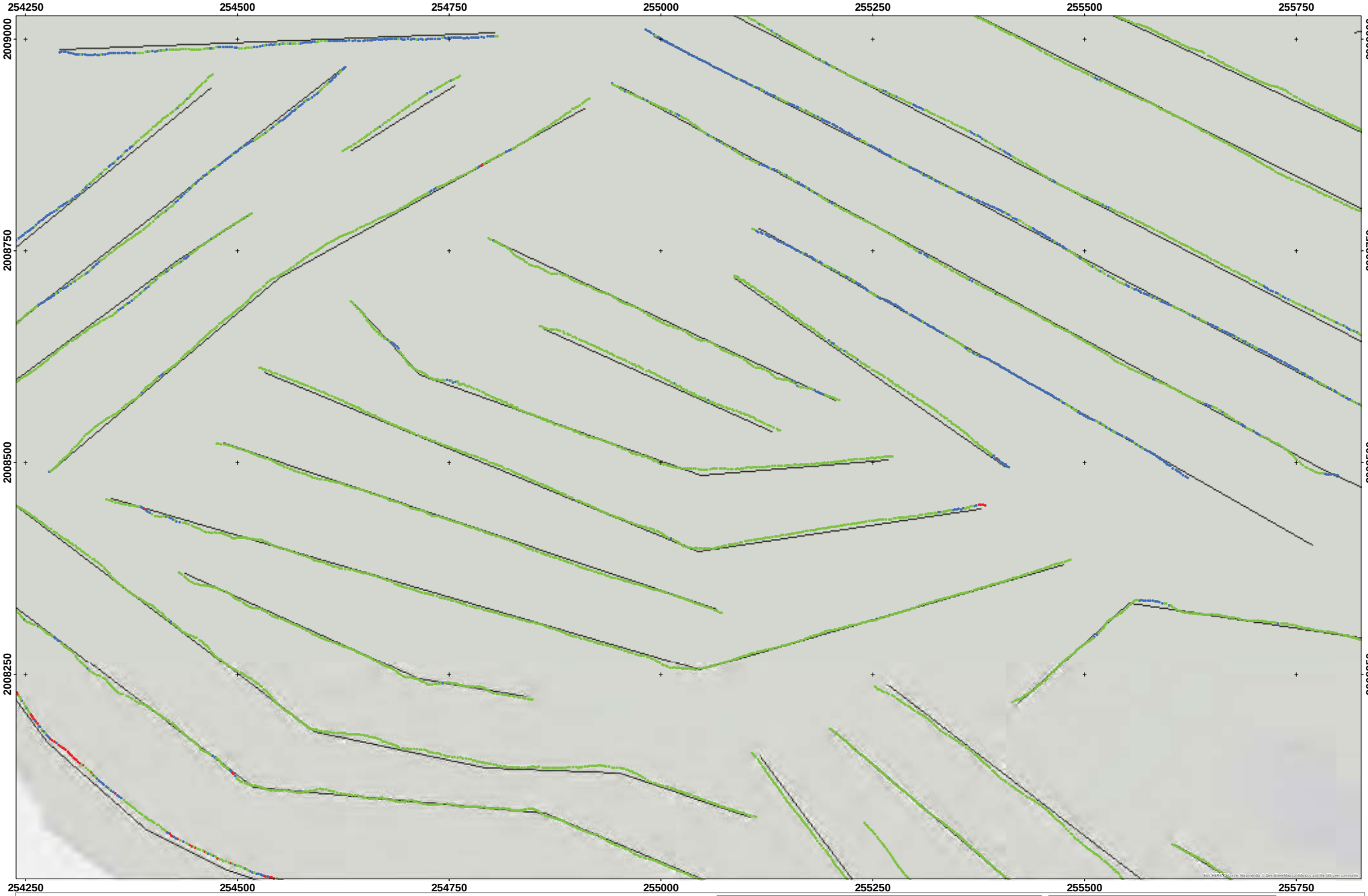
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 28

Legend

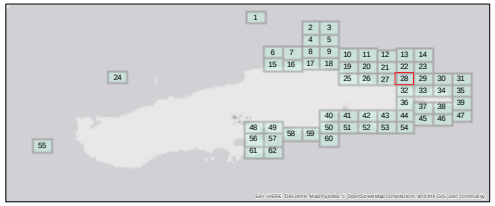
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

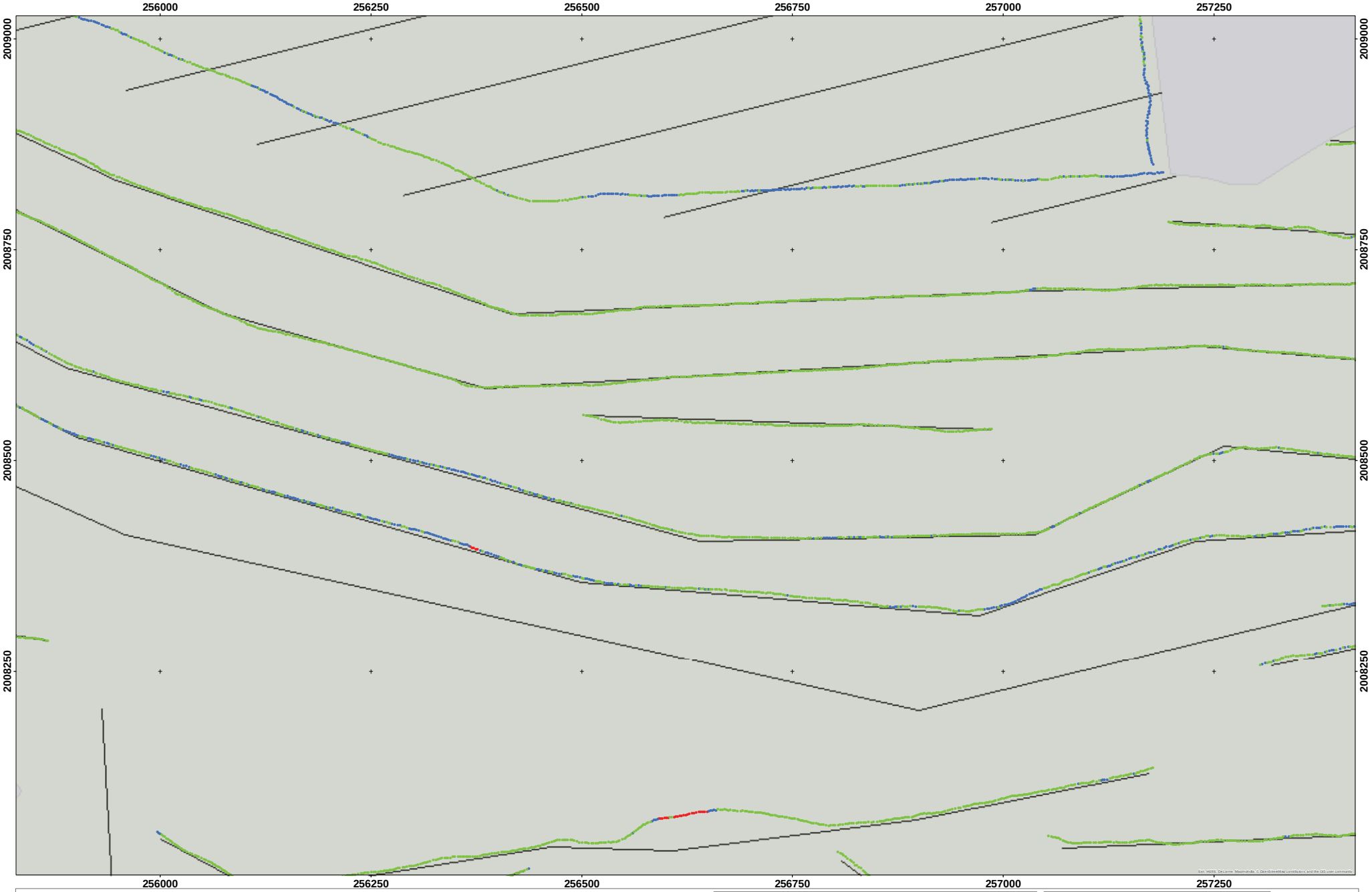
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 29

Legend

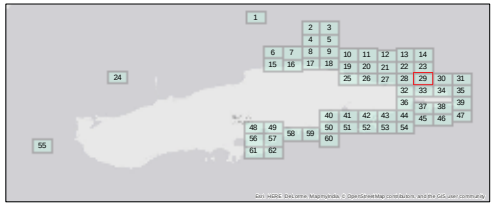
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

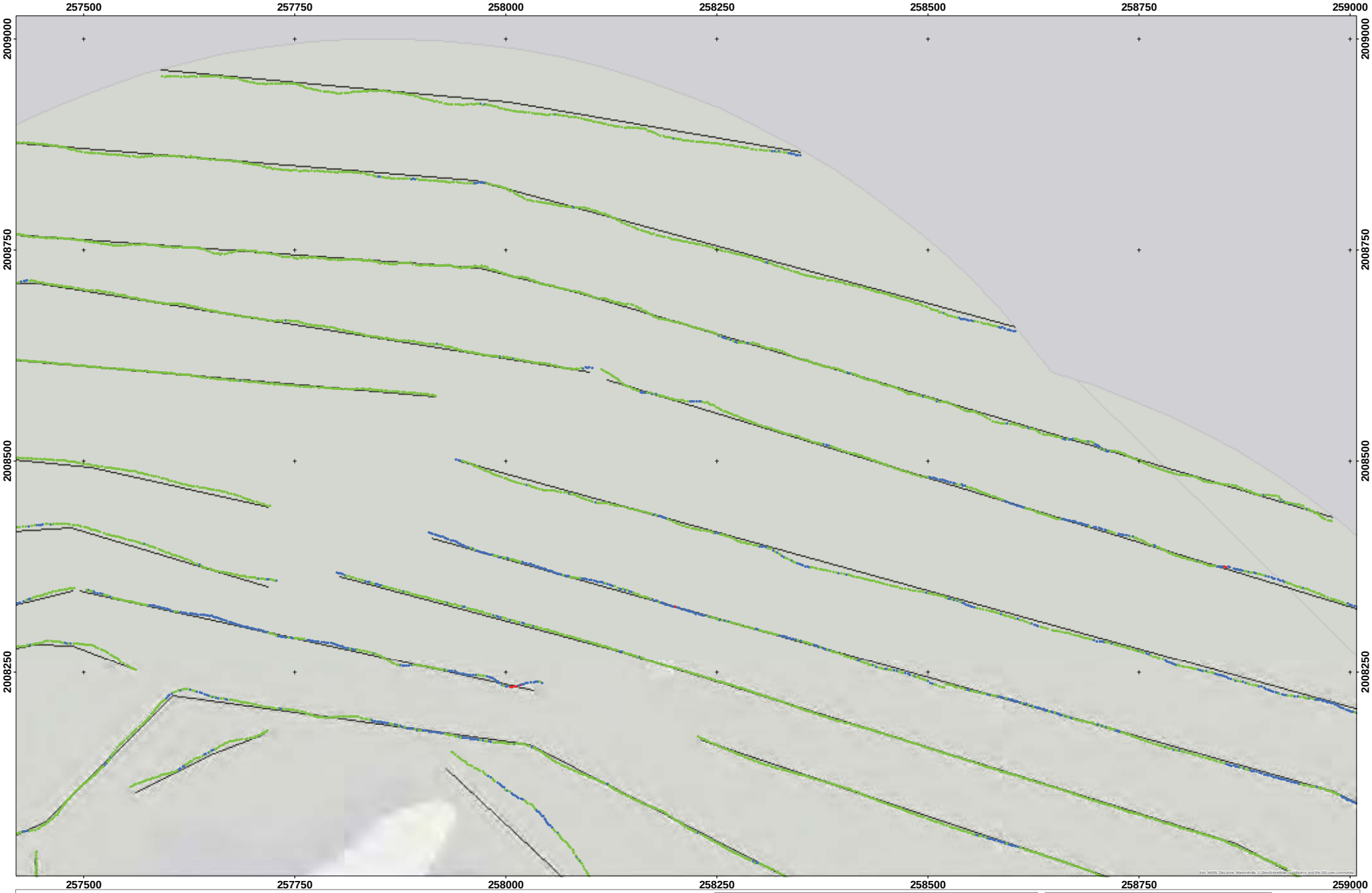
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 30

Legend

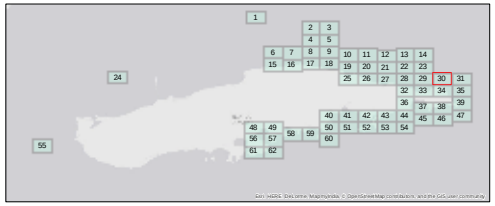
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

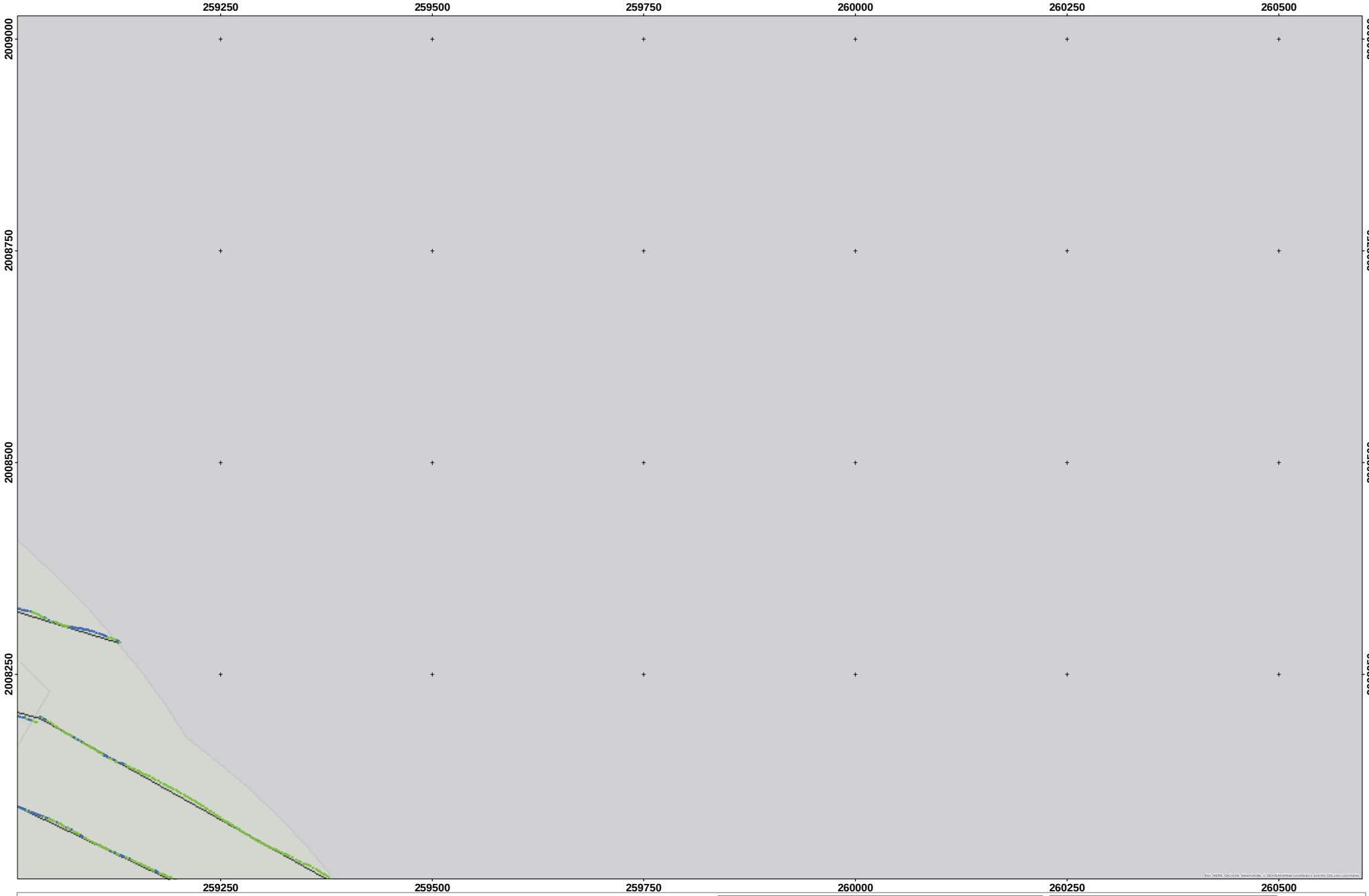
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 31

Legend

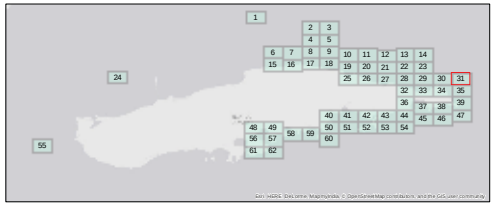
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

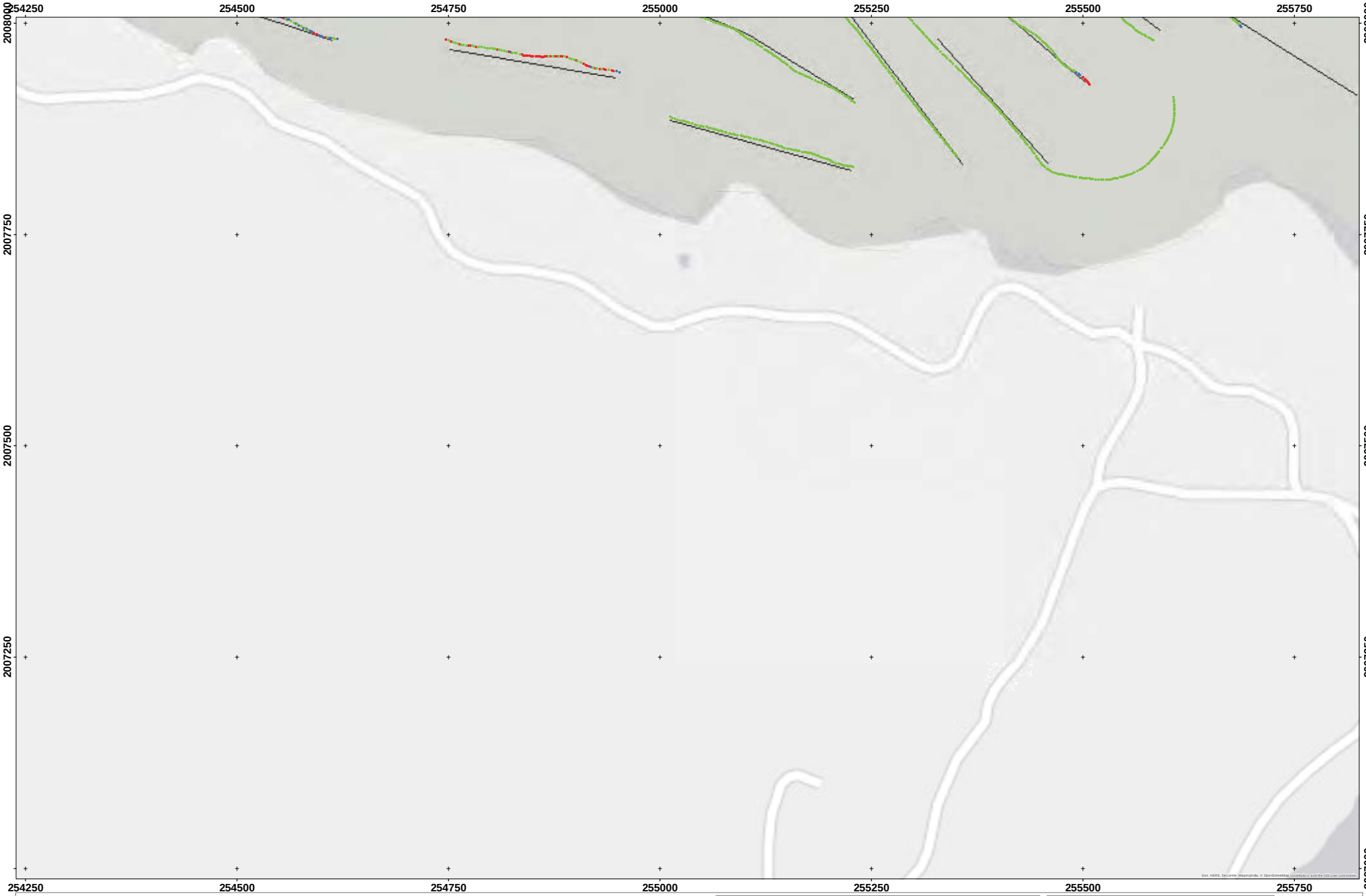
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 32

Legend

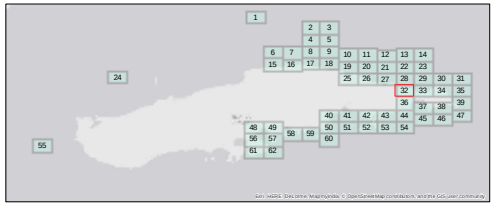
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

Sensor Altitude Map 33

Legend

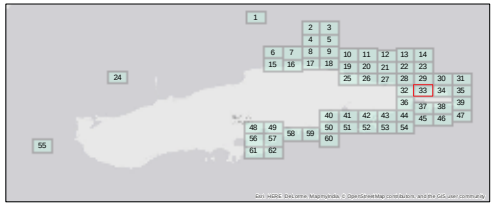
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

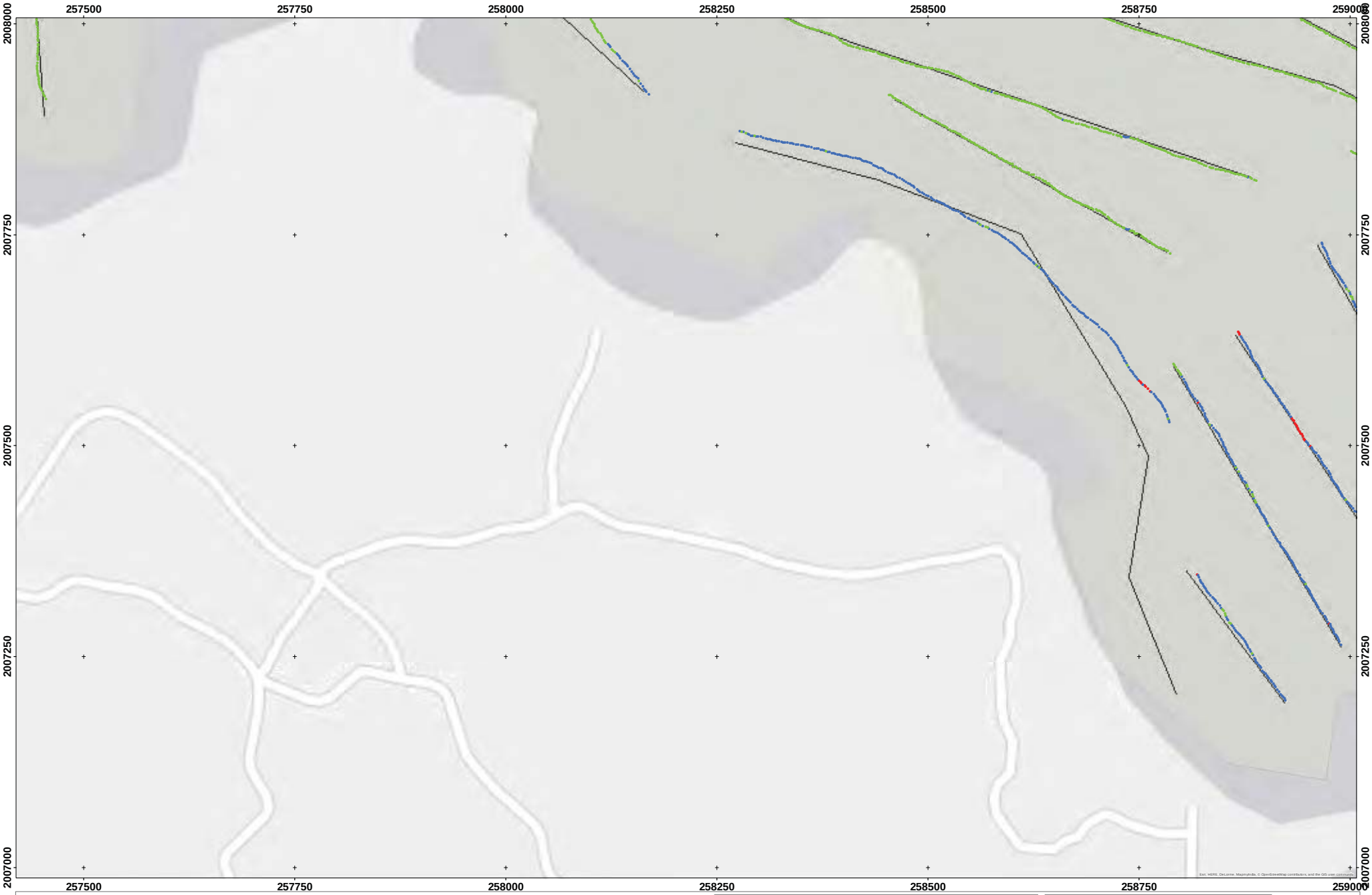
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 34

Legend

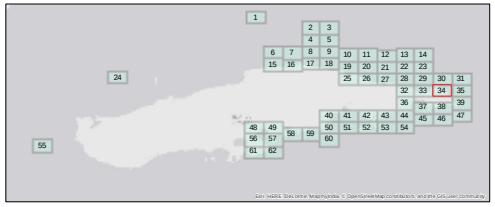
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

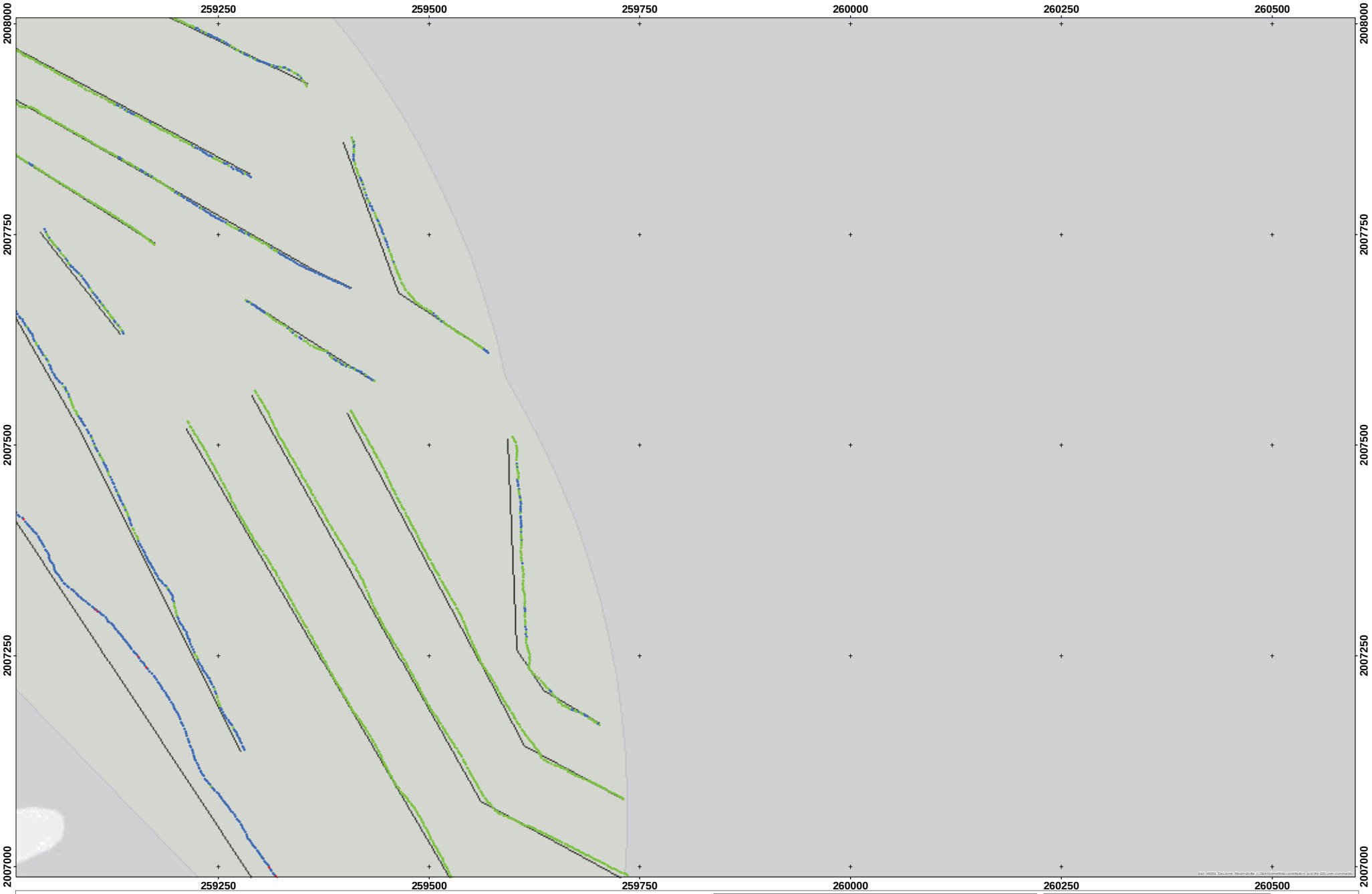
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 35

Legend

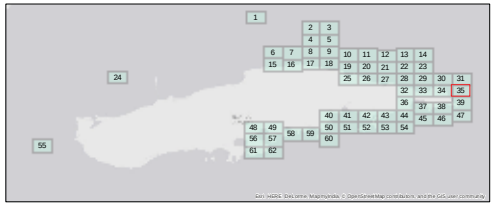
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

Sensor Altitude Map 36

Legend

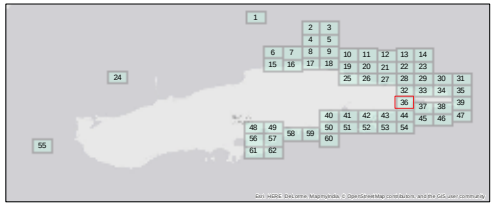
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

Sensor Altitude Map 37

Legend

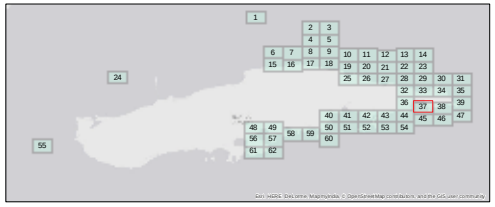
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

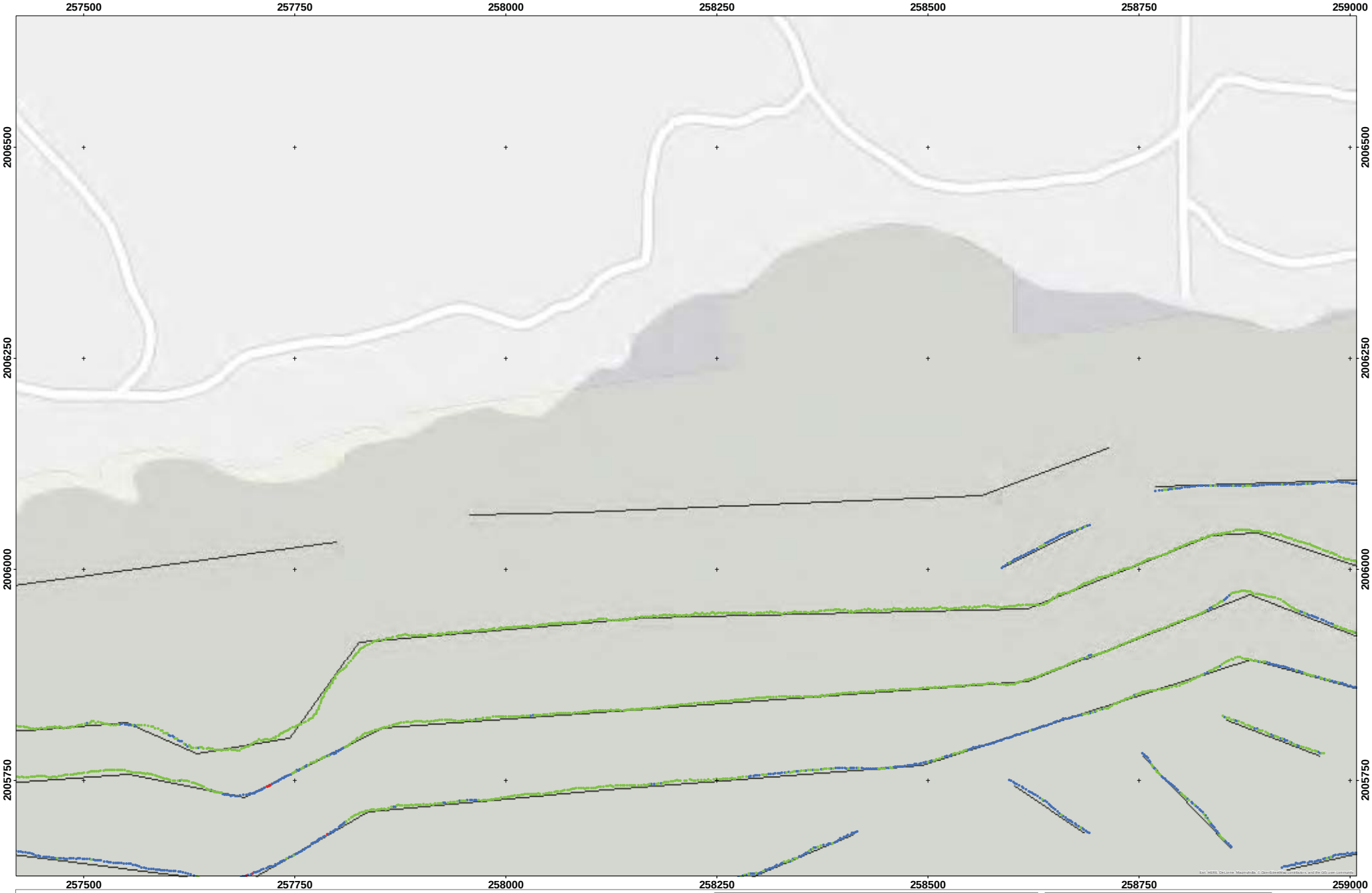
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 38

Legend

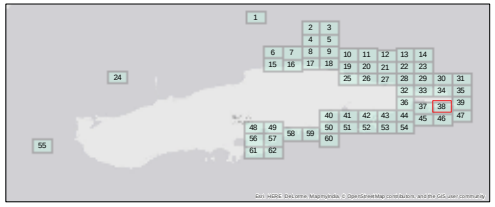
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

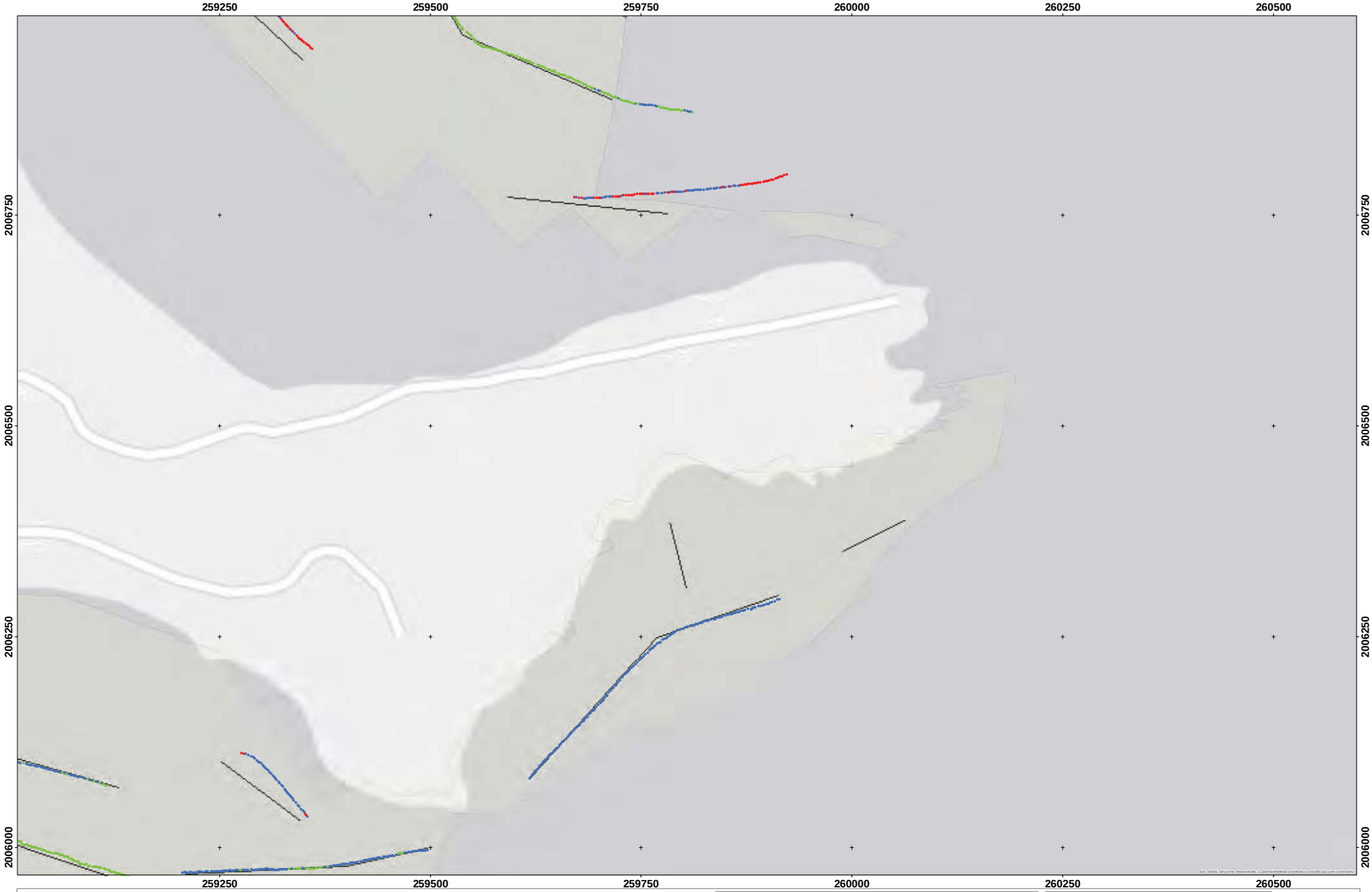
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 39

Legend

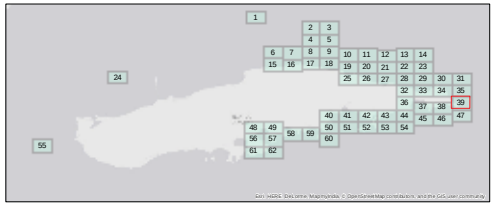
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

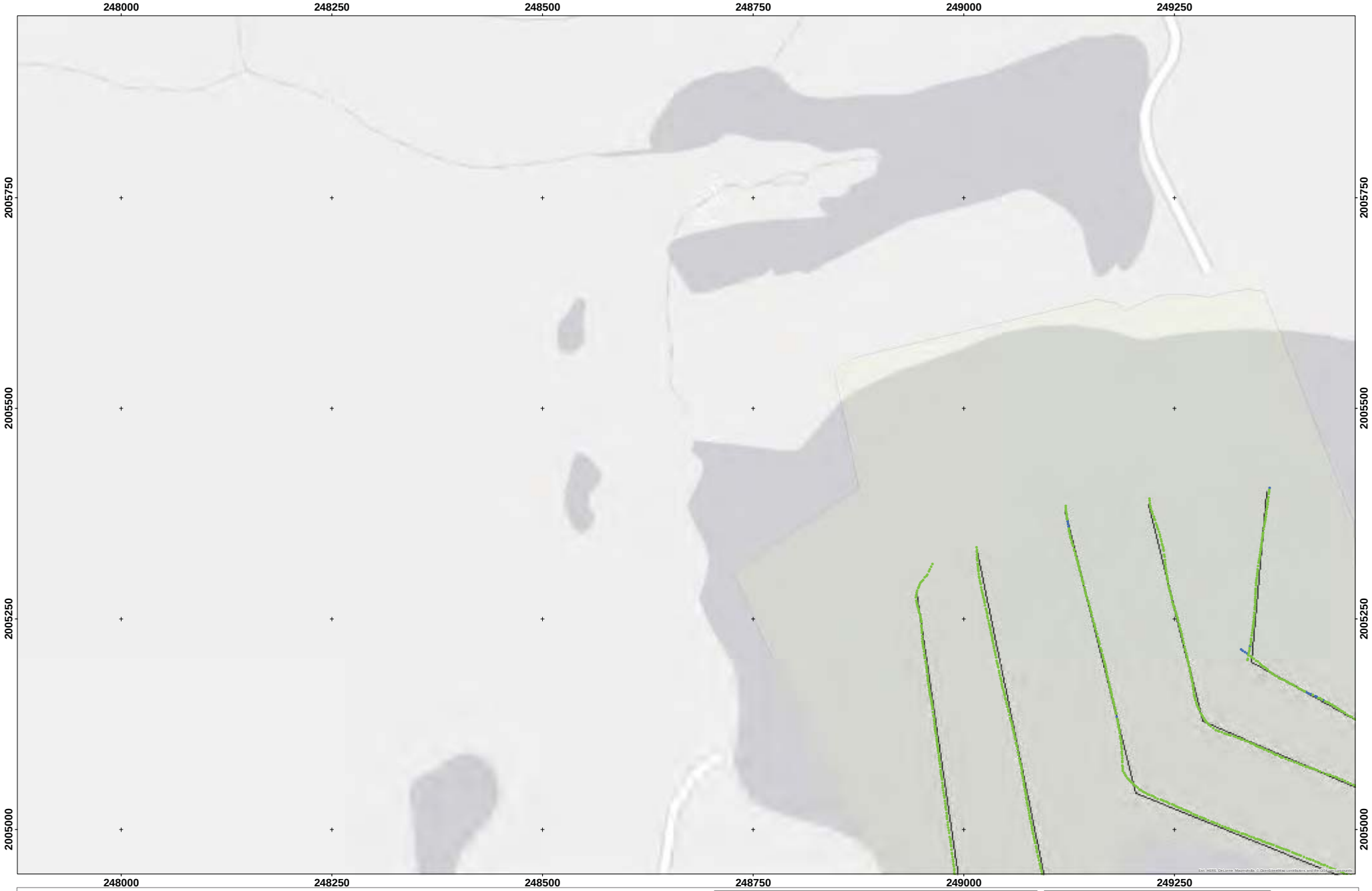
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 40

Legend

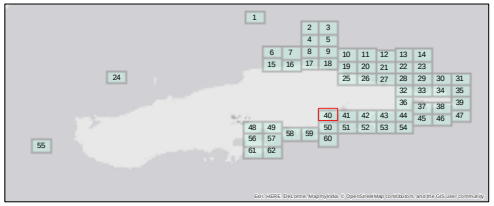
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

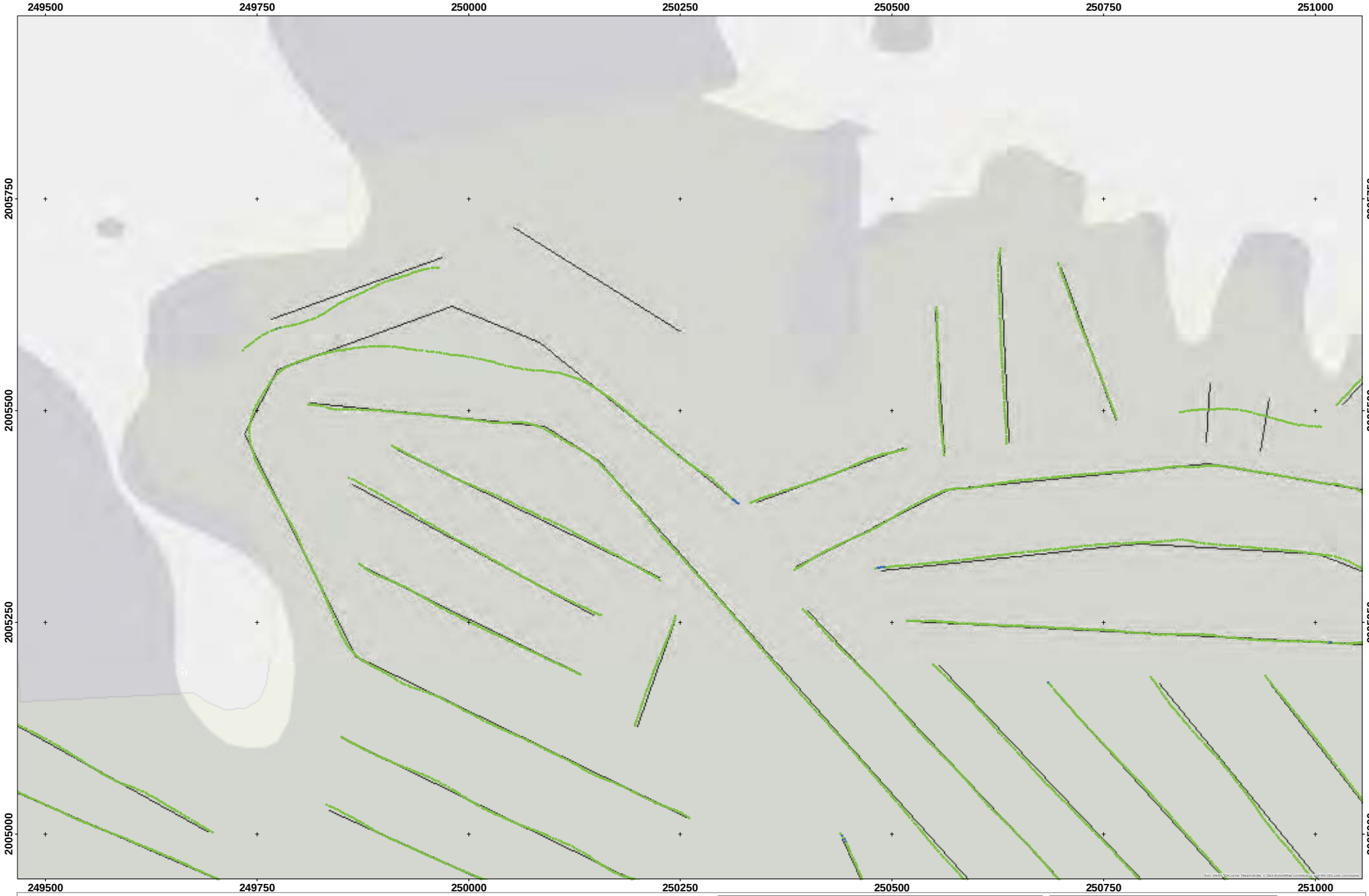
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 41

Legend

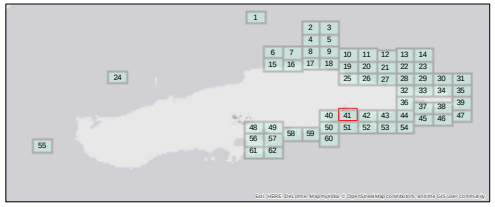
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

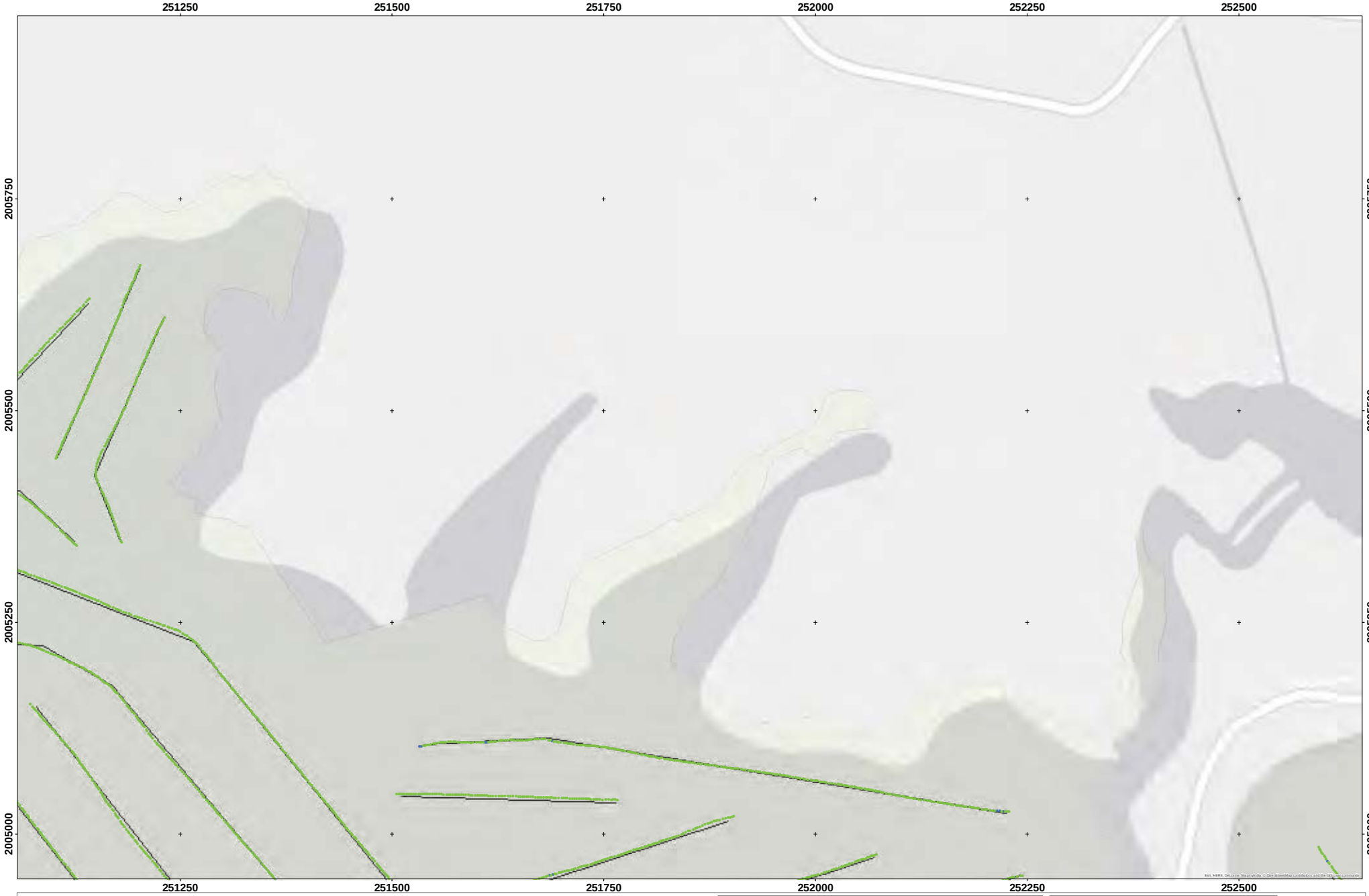
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 42

Legend

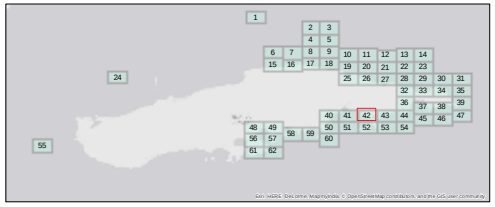
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

Sensor Altitude Map 43

Legend

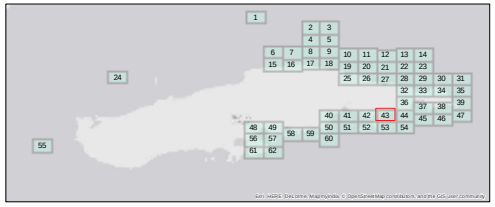
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

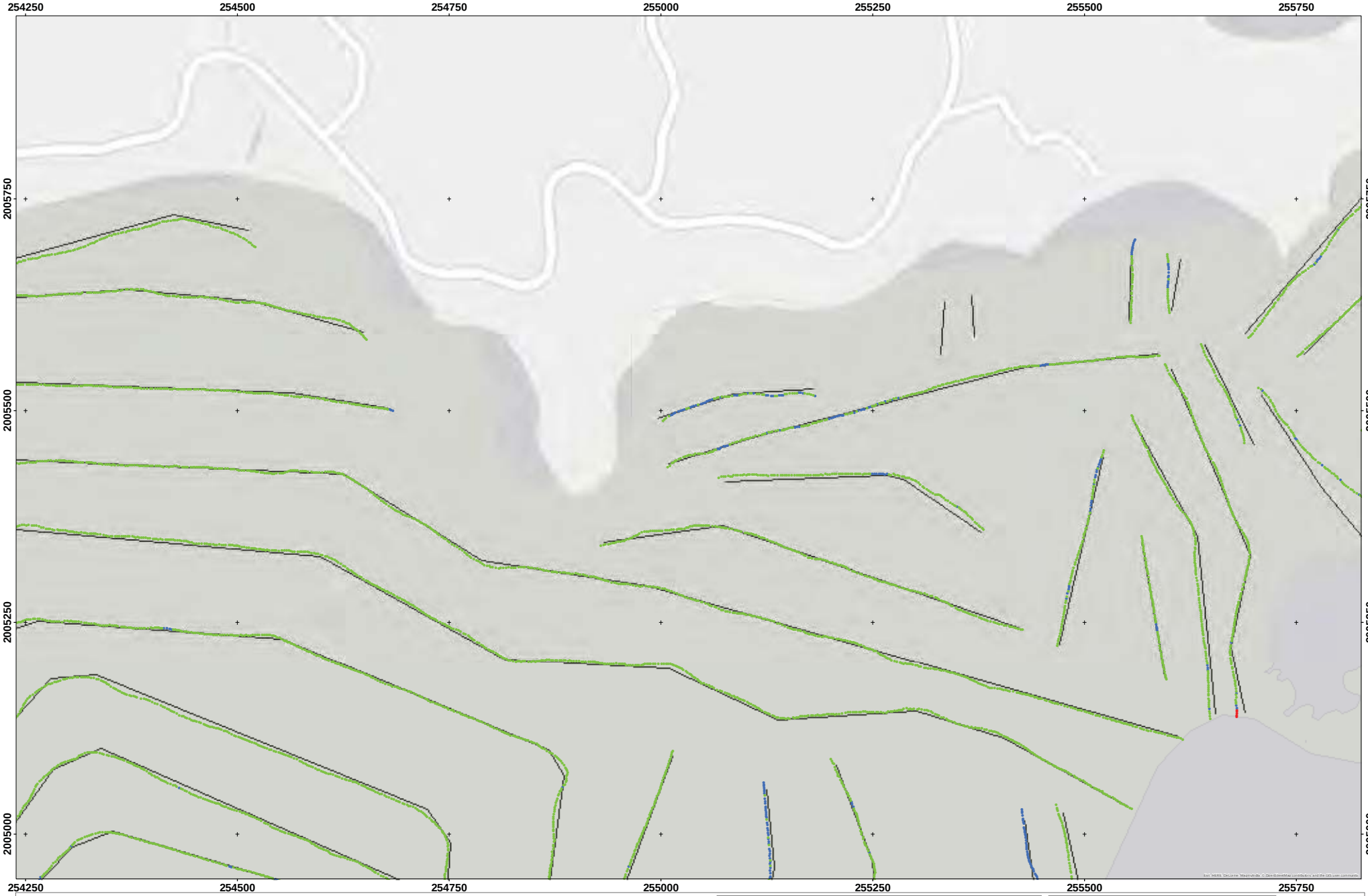
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 44

Legend

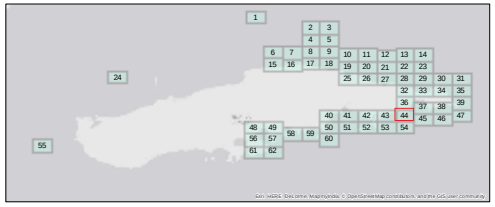
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

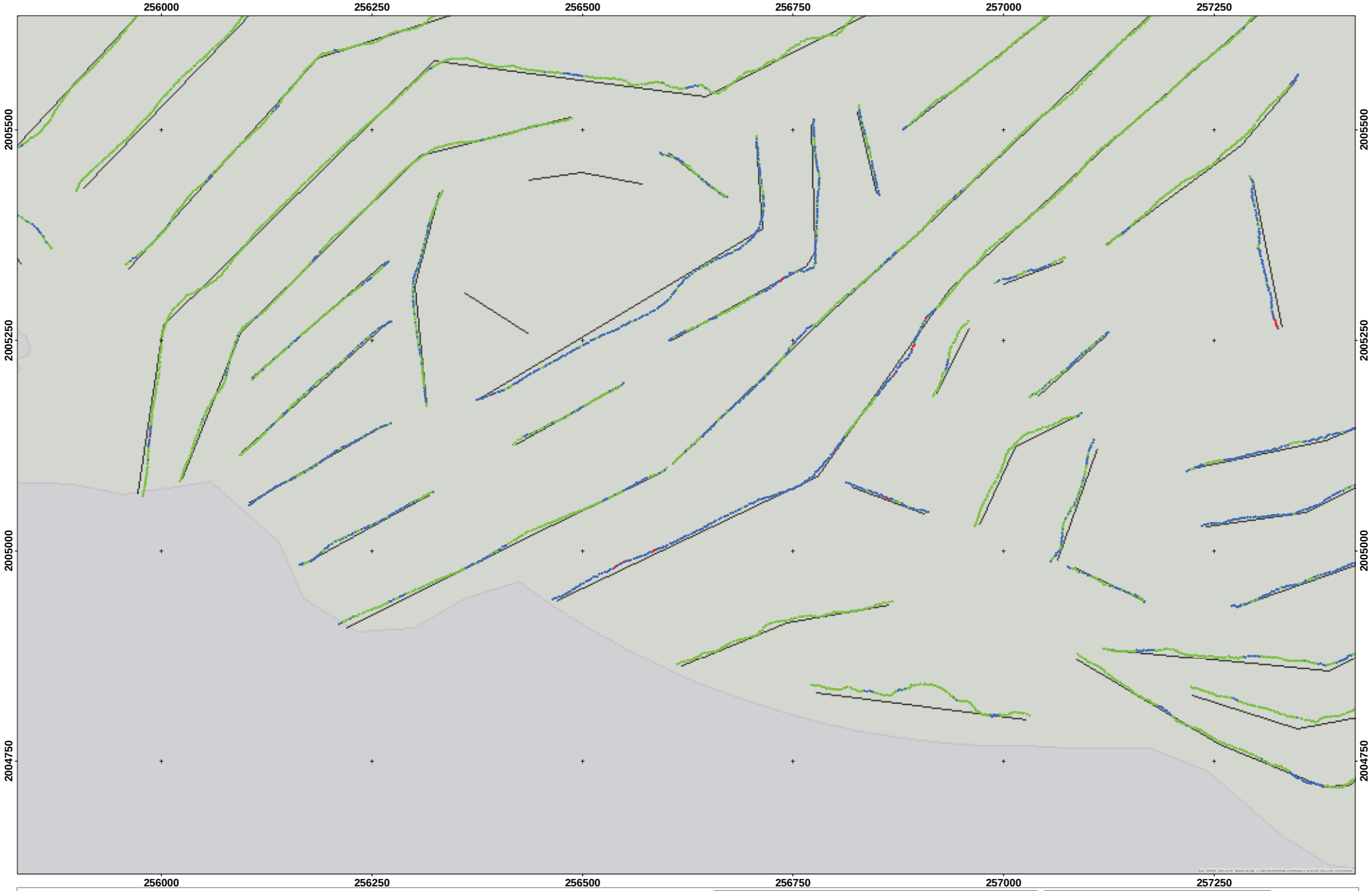
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 45

Legend

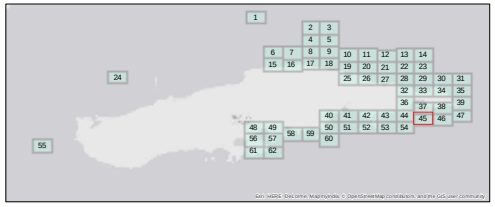
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

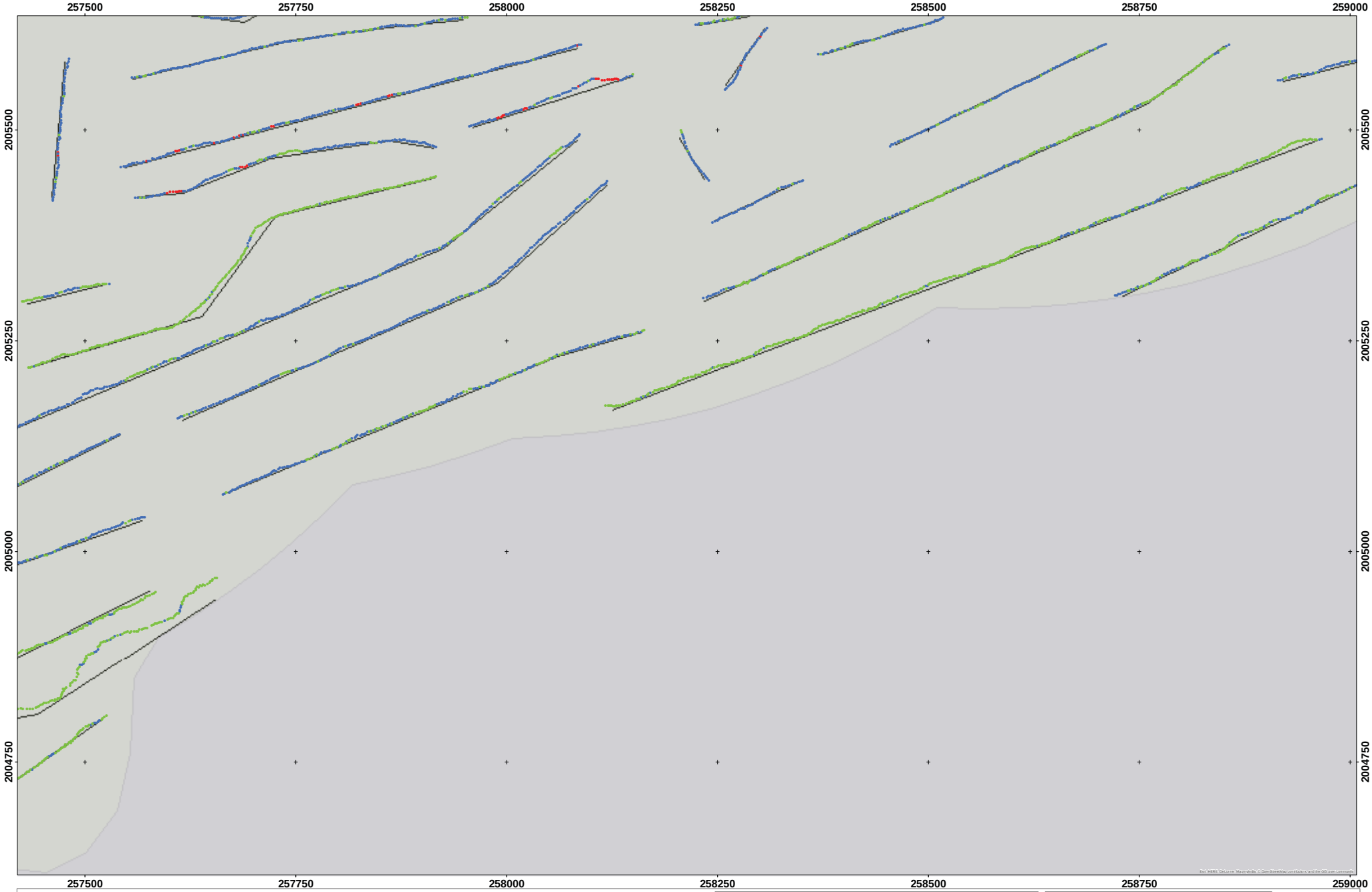
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 46

Legend

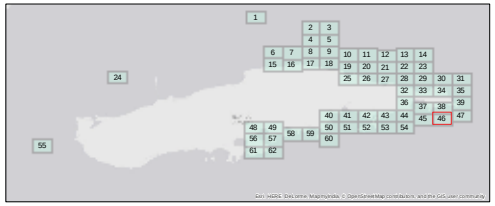
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

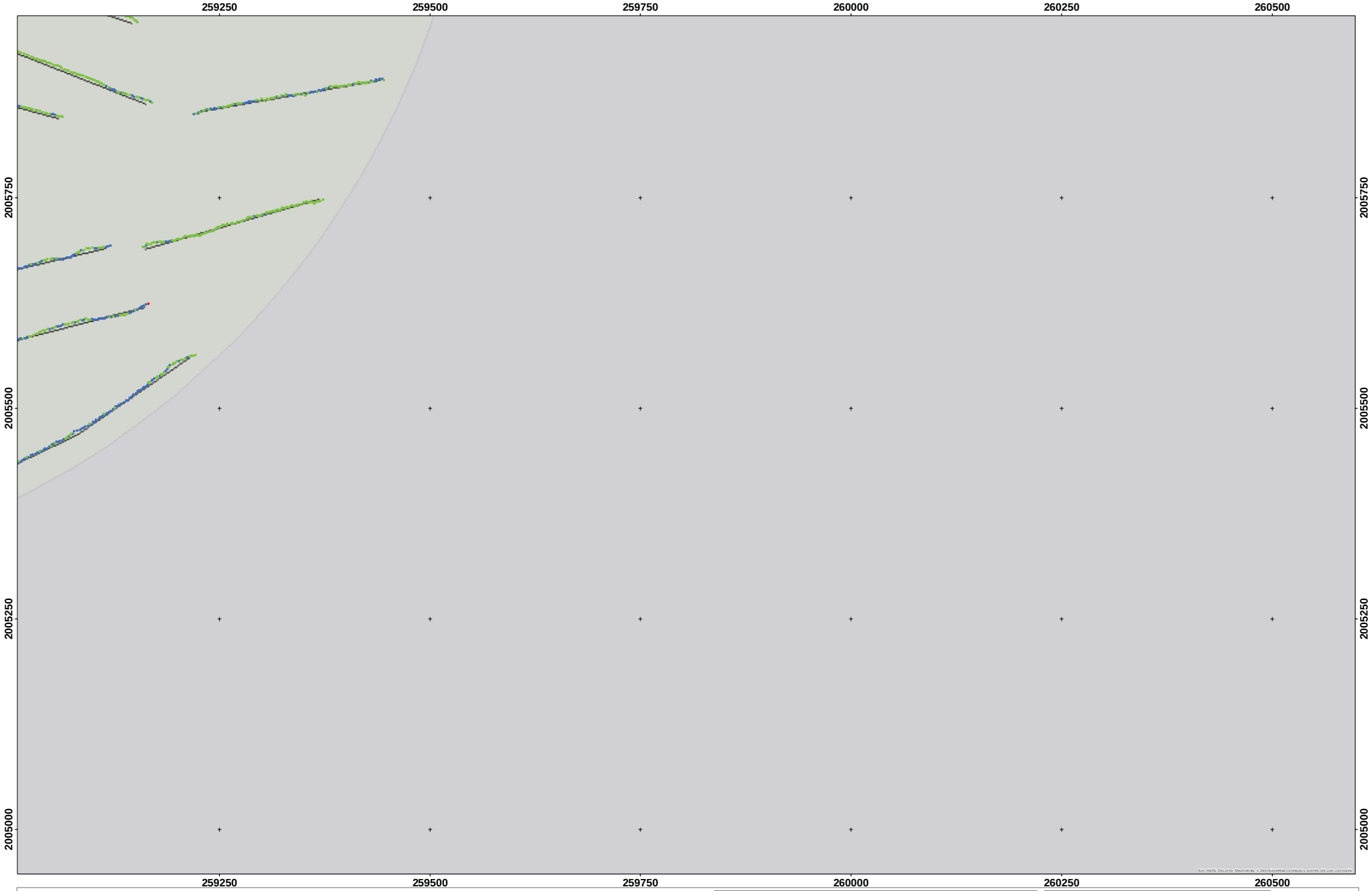
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 47

Legend

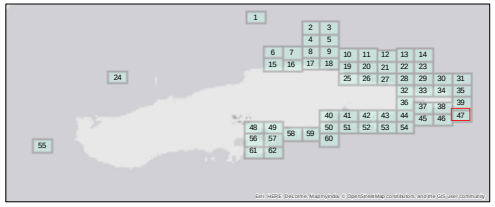
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

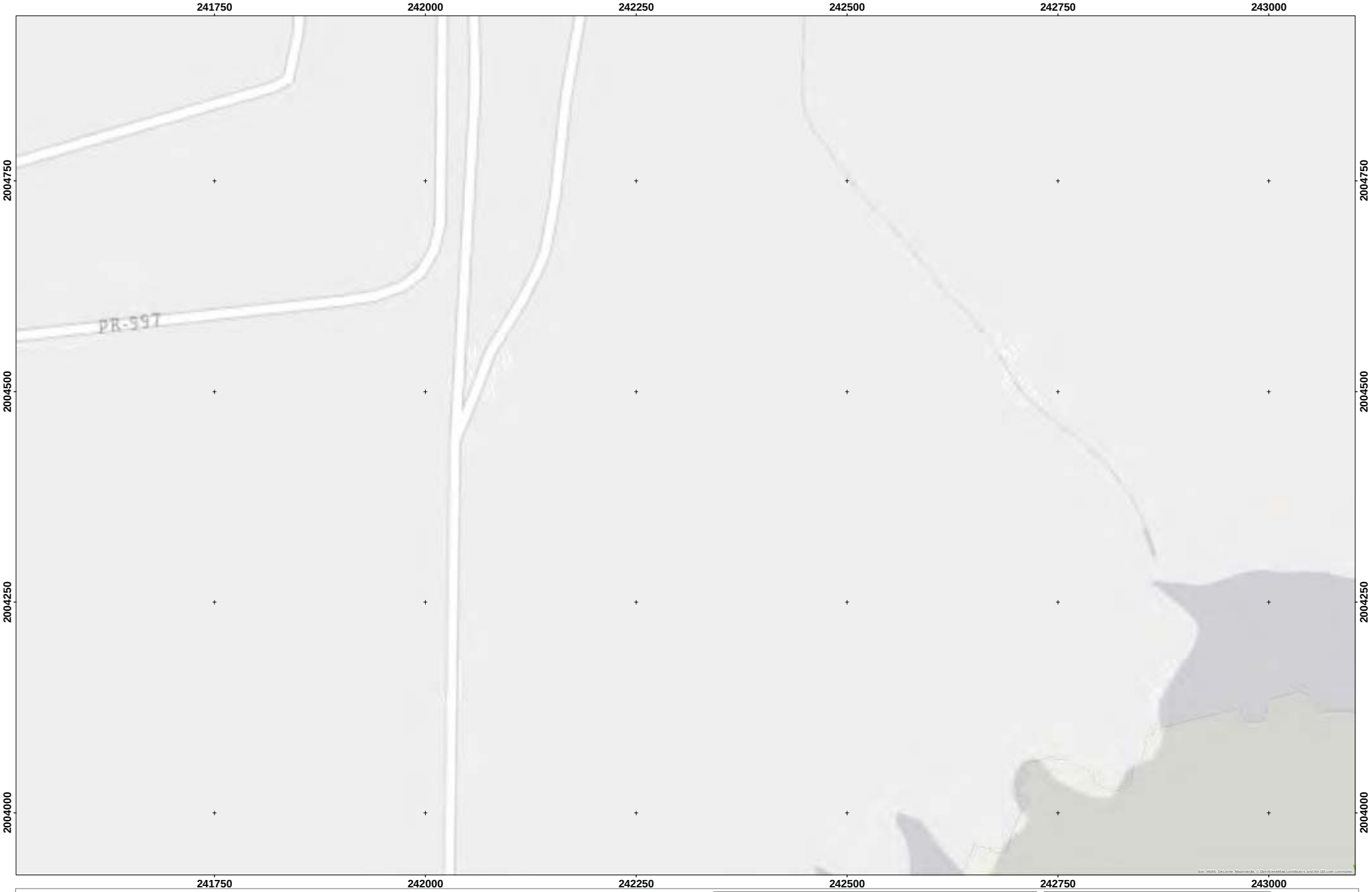
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 48

Legend

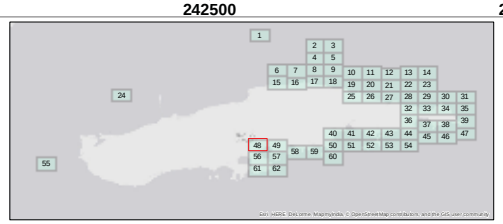
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

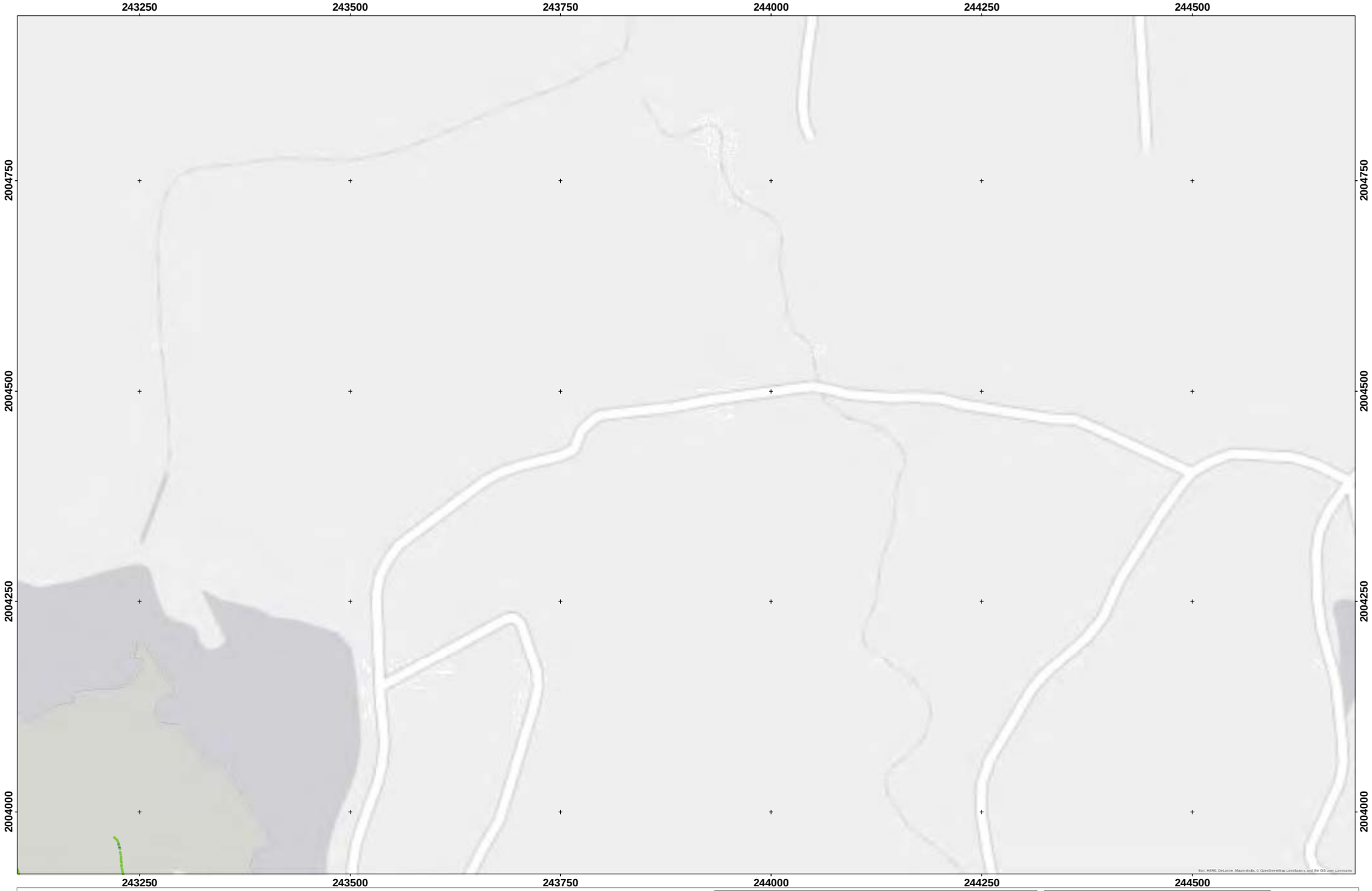
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 49

Legend

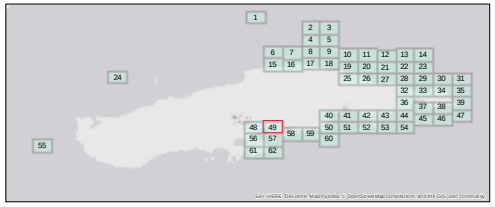
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

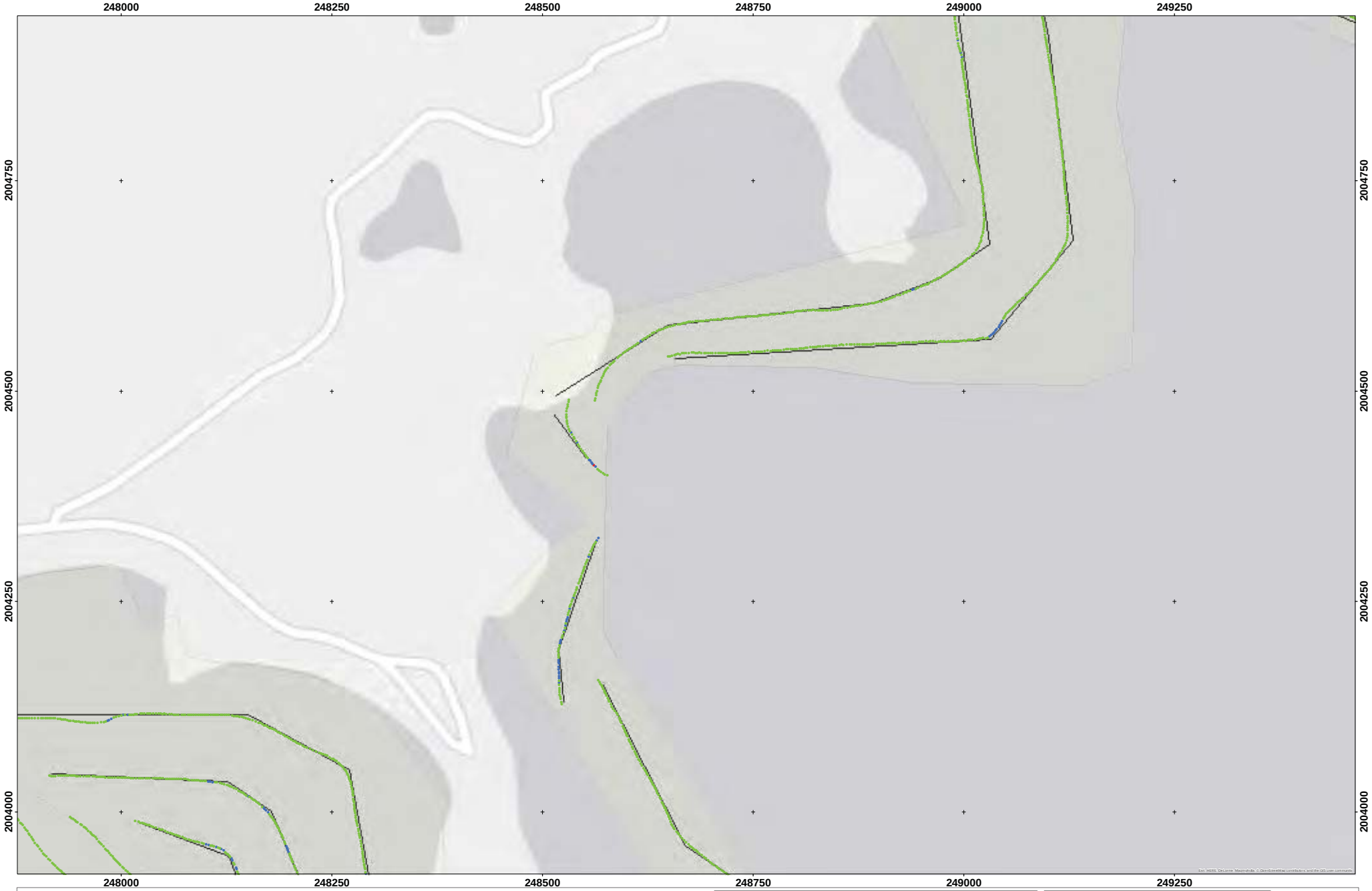
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 50

Legend

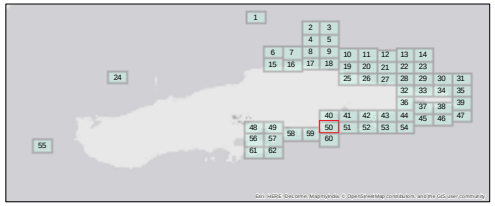
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

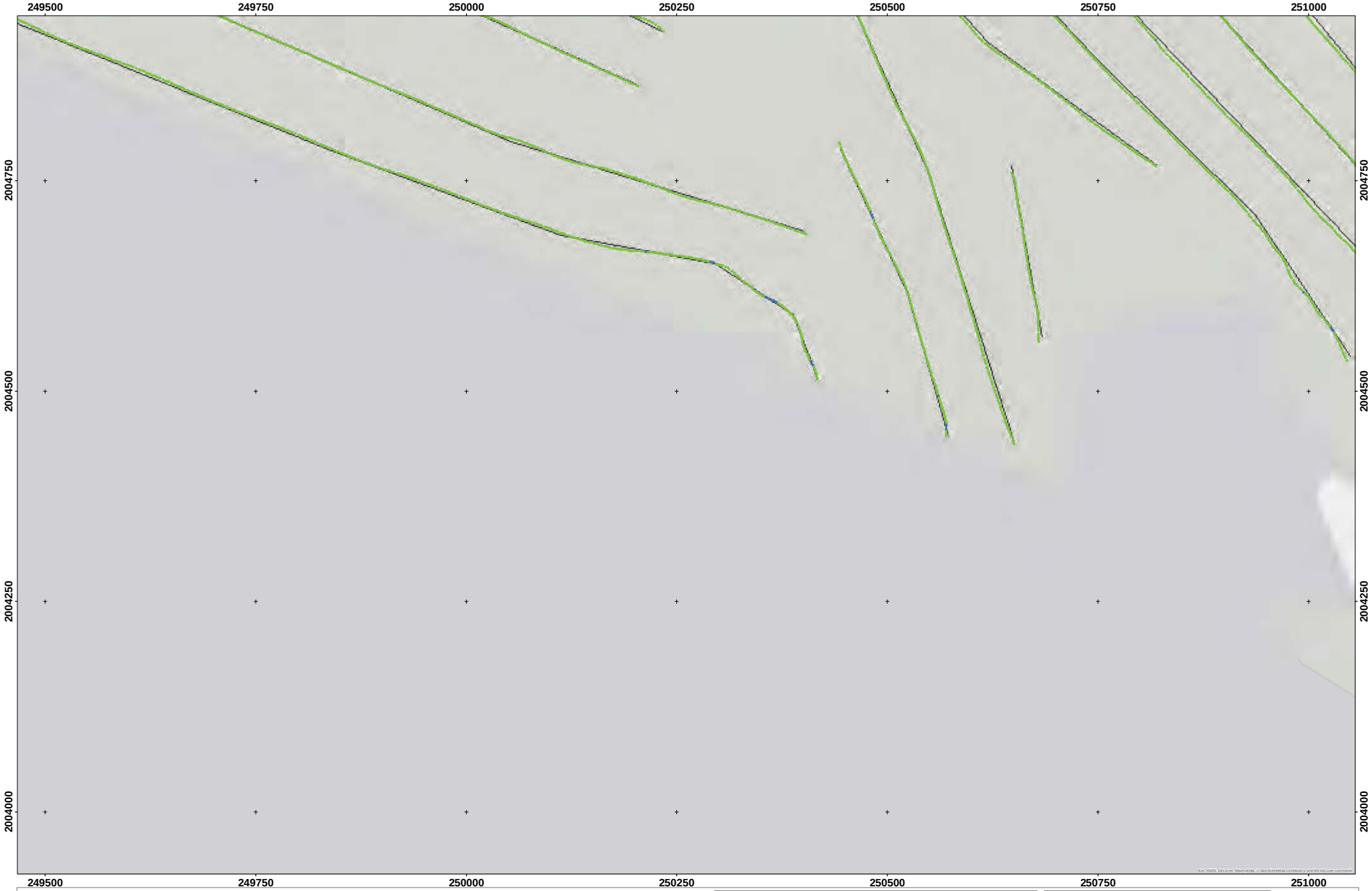
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 51

Legend

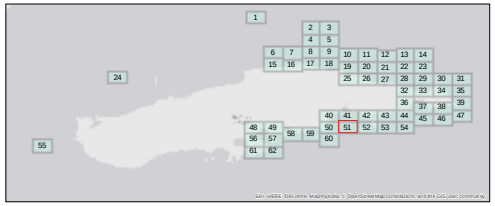
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

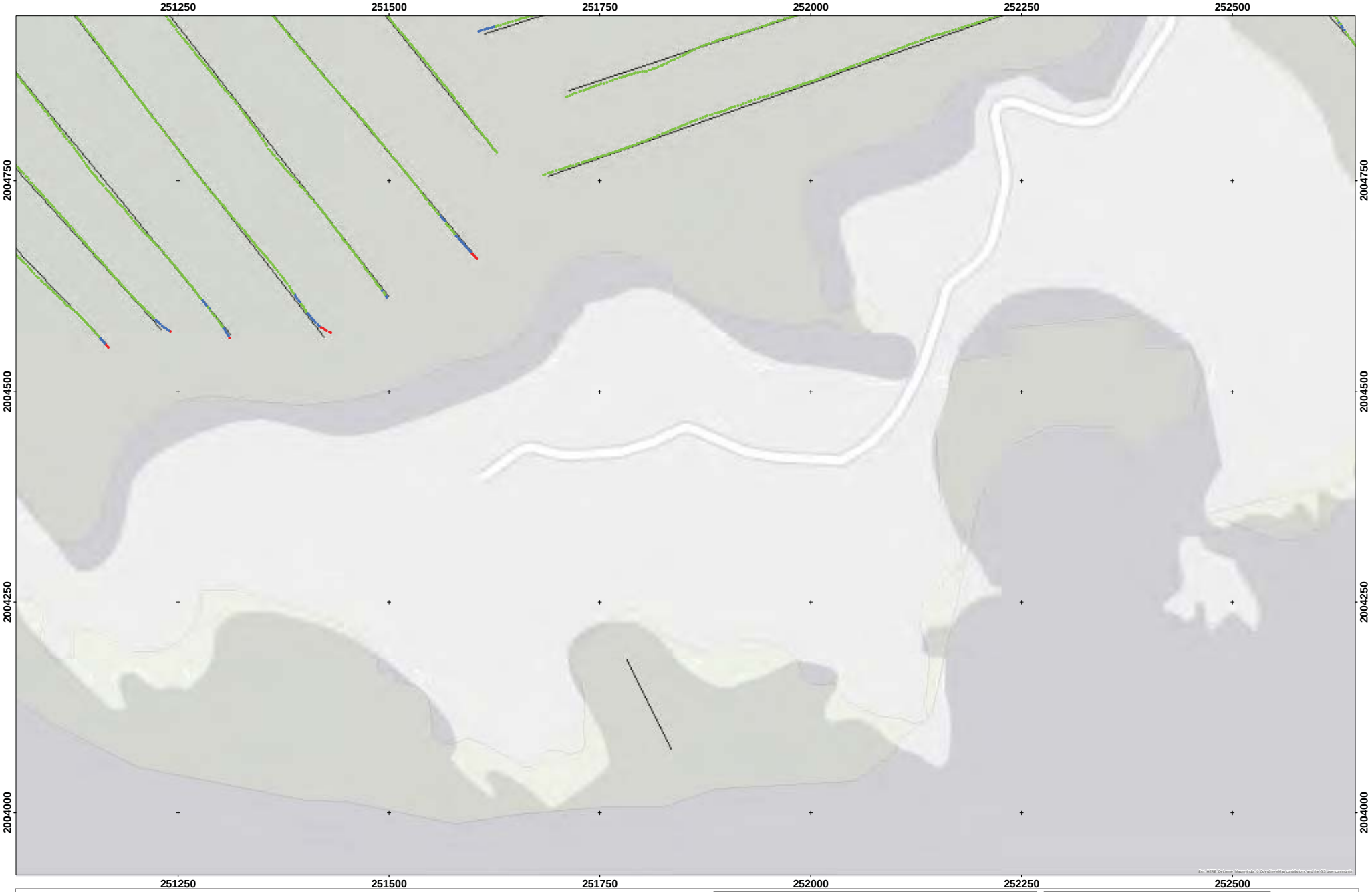
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 52

Legend

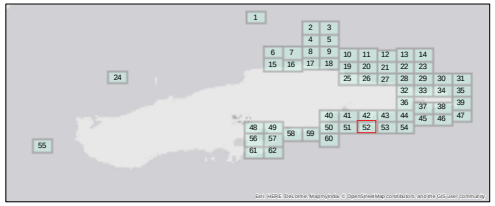
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

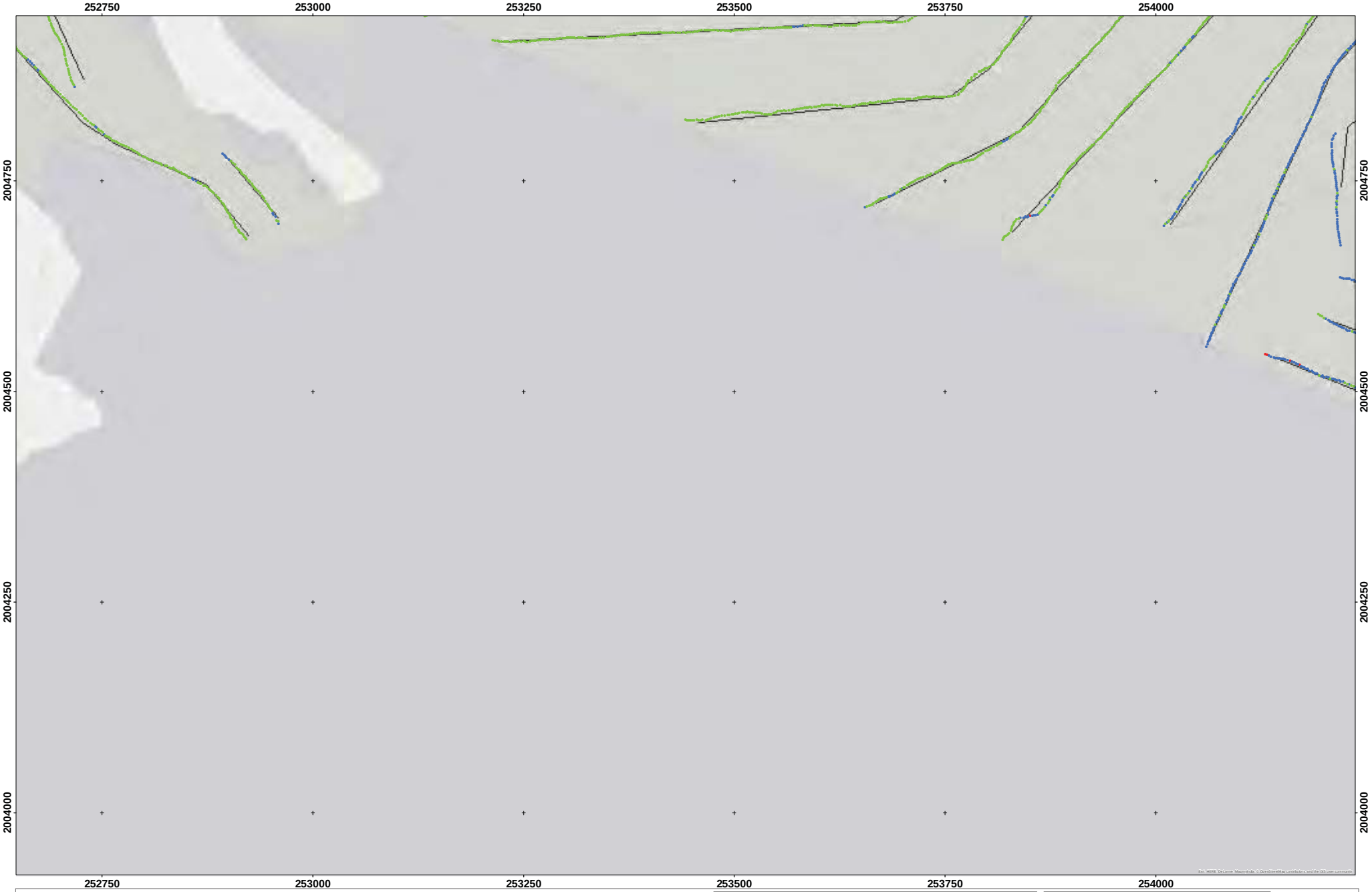
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 53

Legend

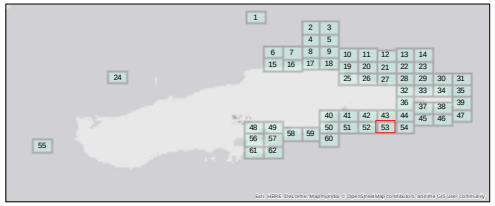
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

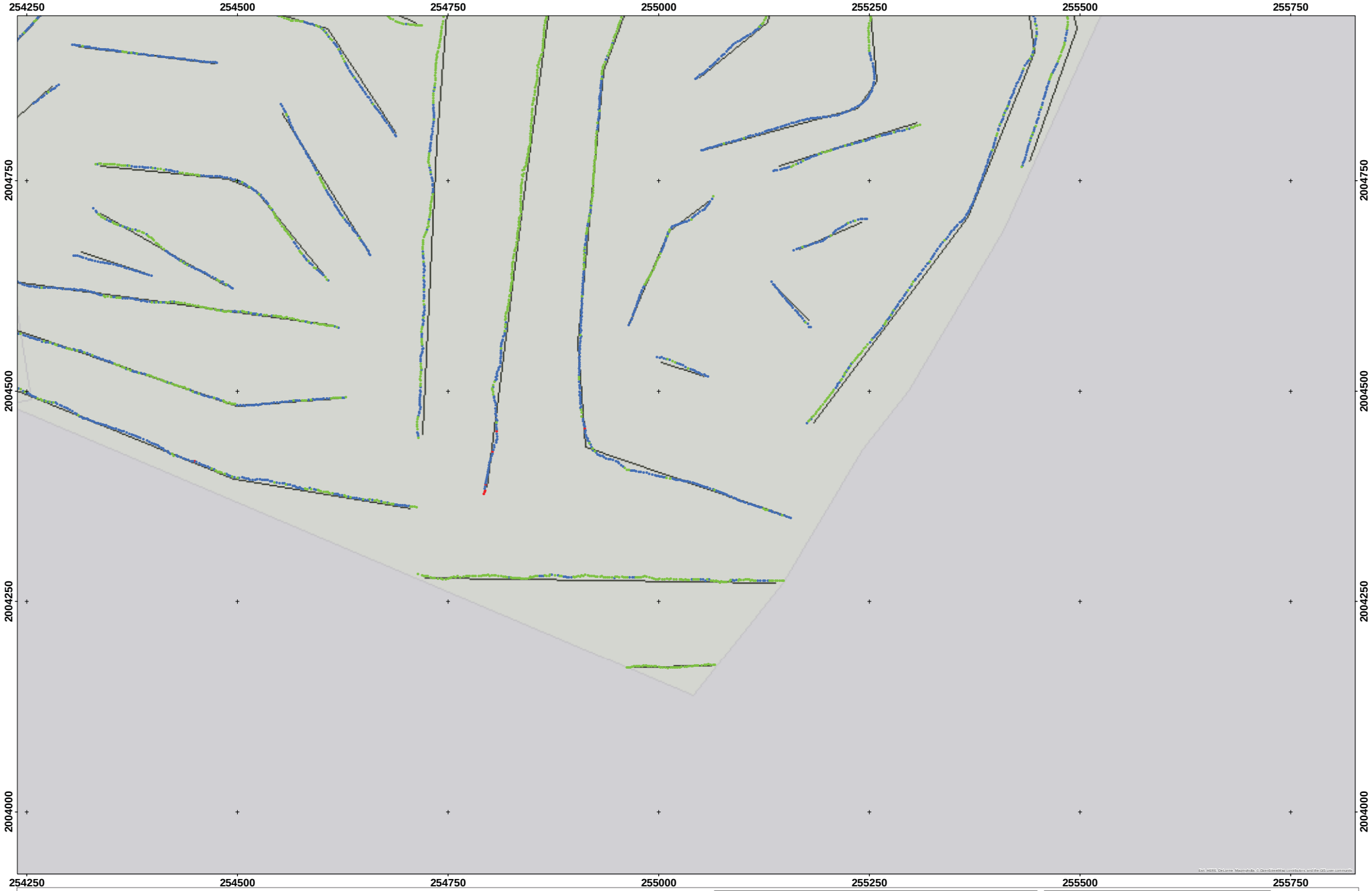
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 54

Legend

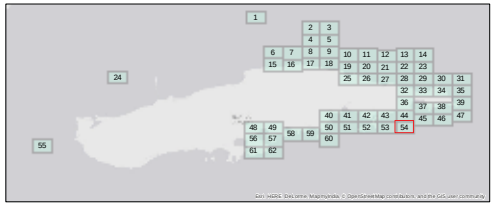
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

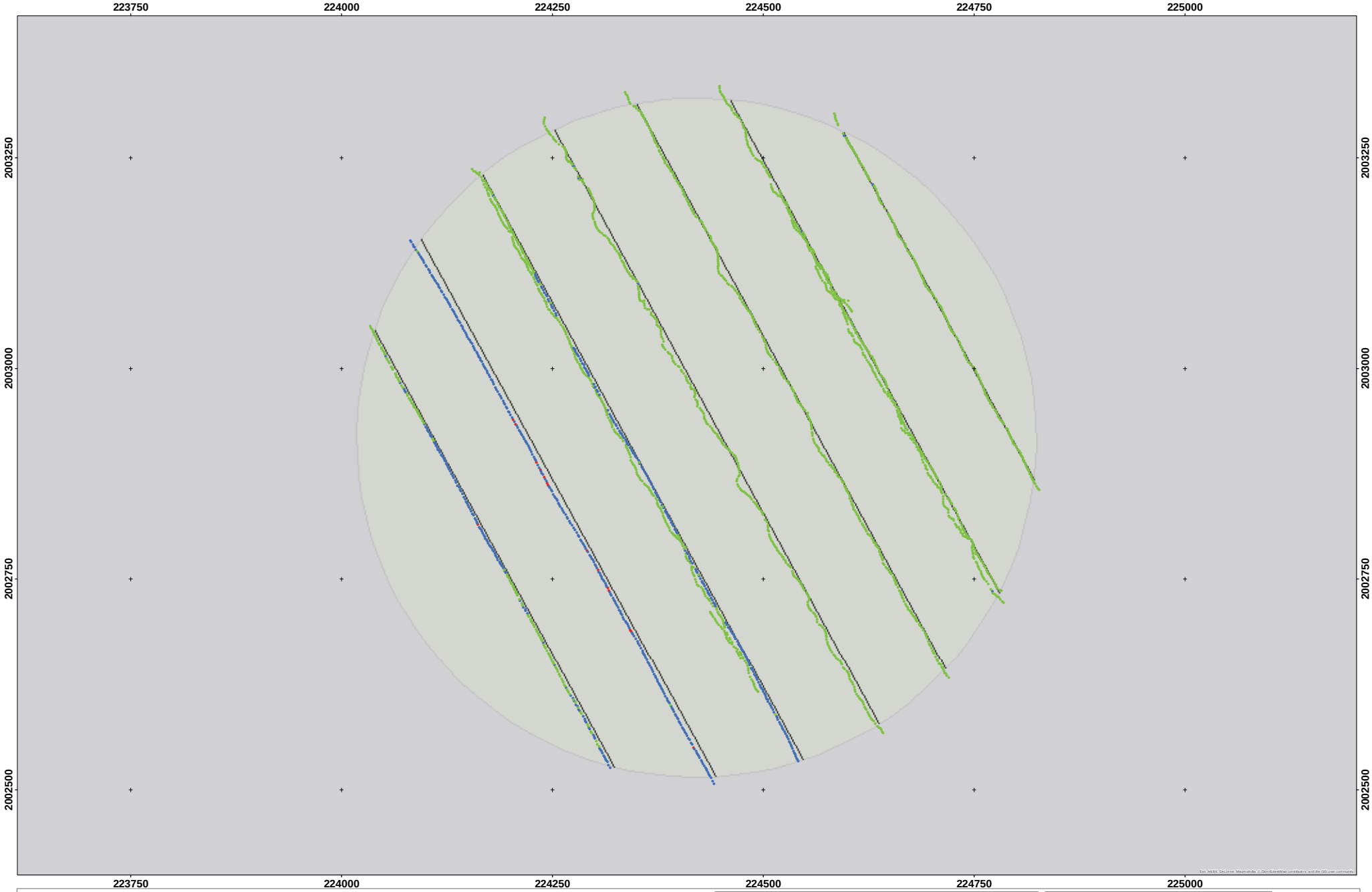
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 55

Legend

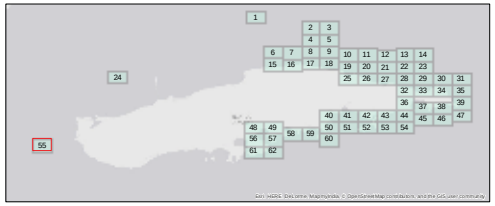
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

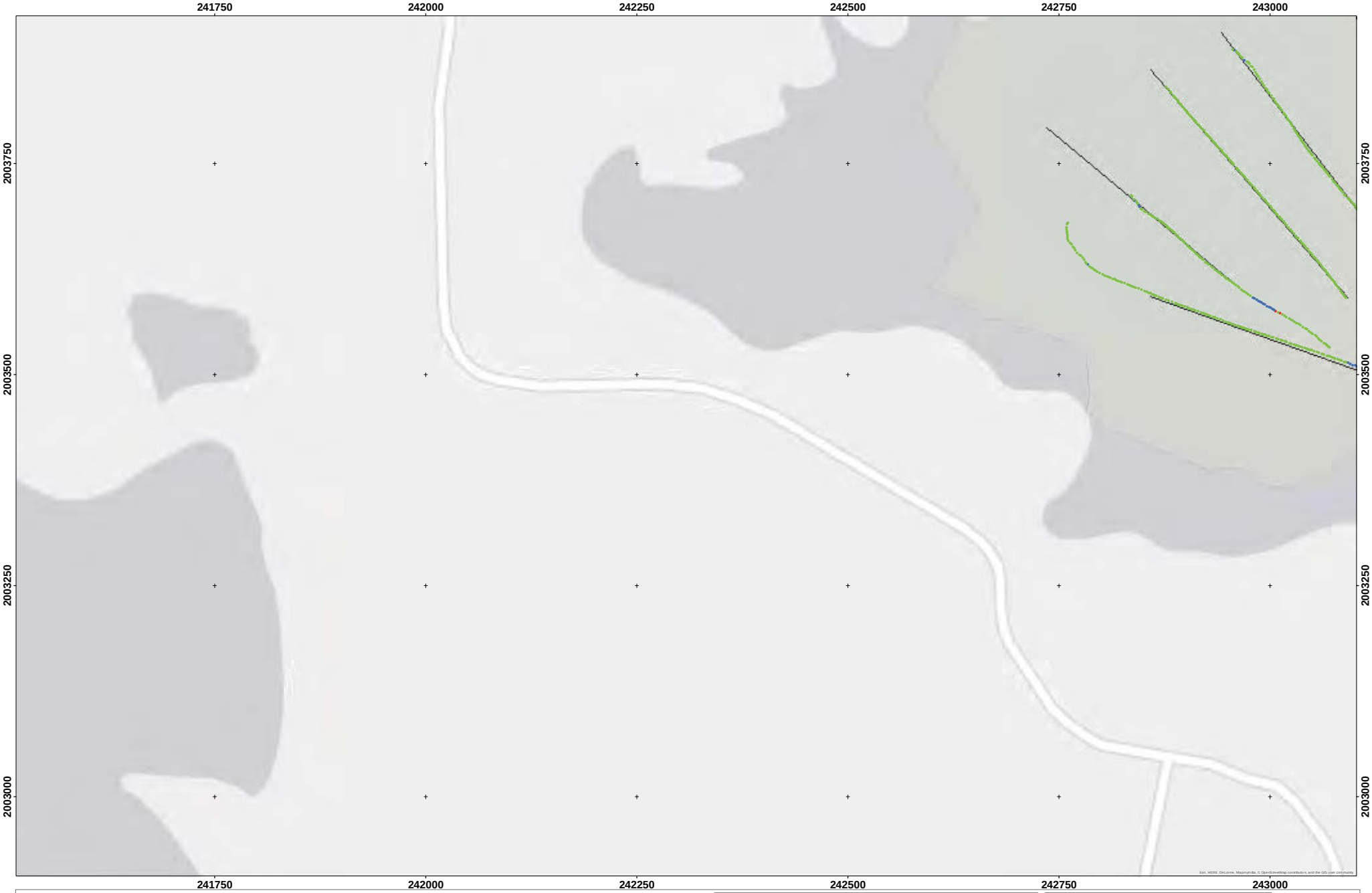
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 56

Legend

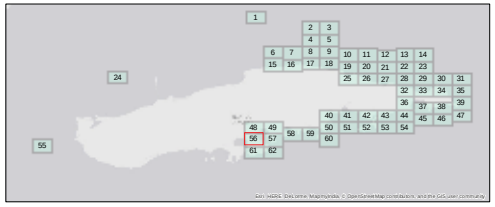
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

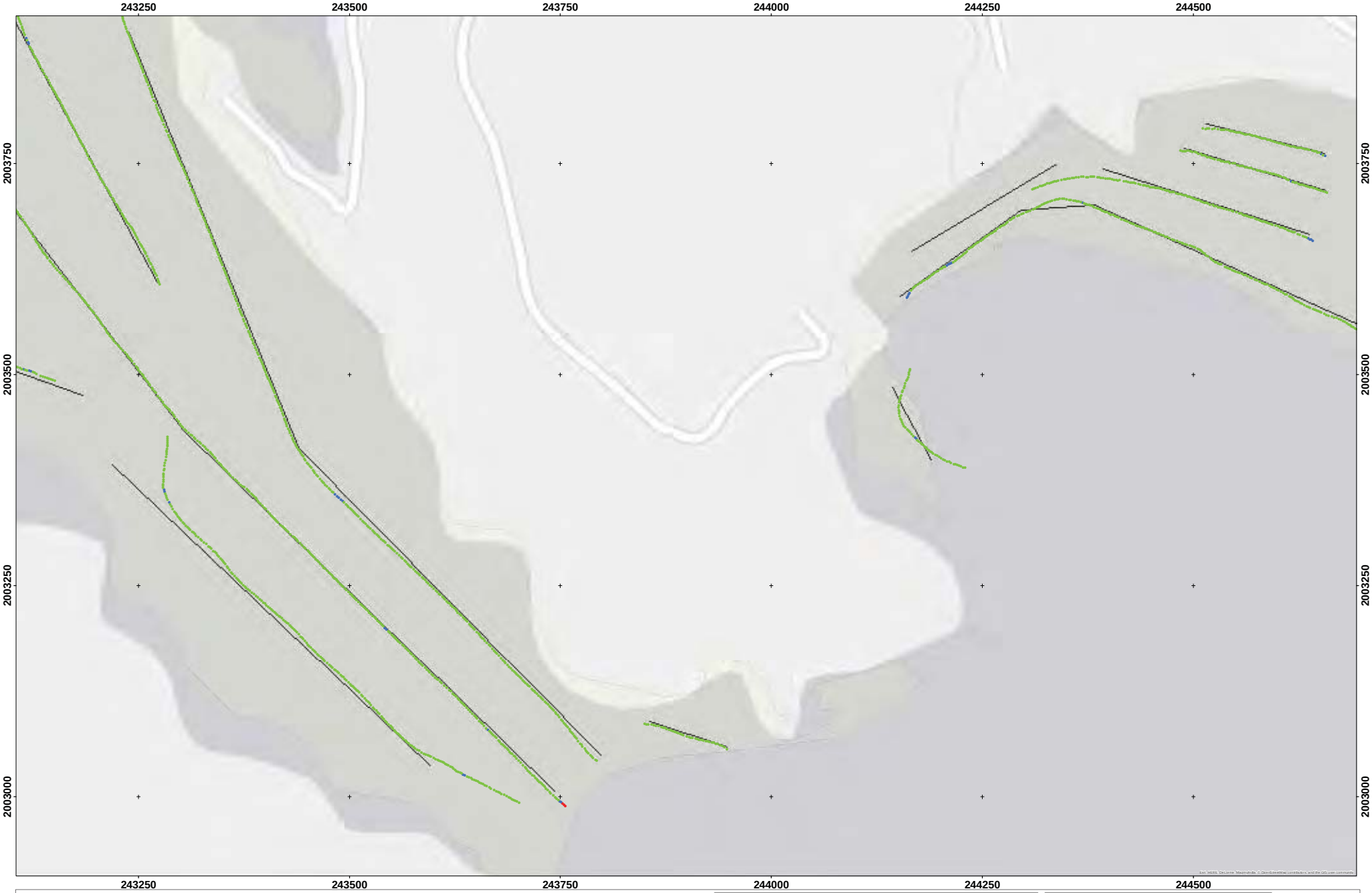
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 57

Legend

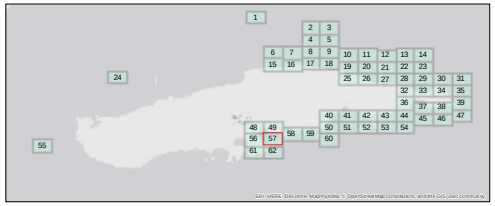
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

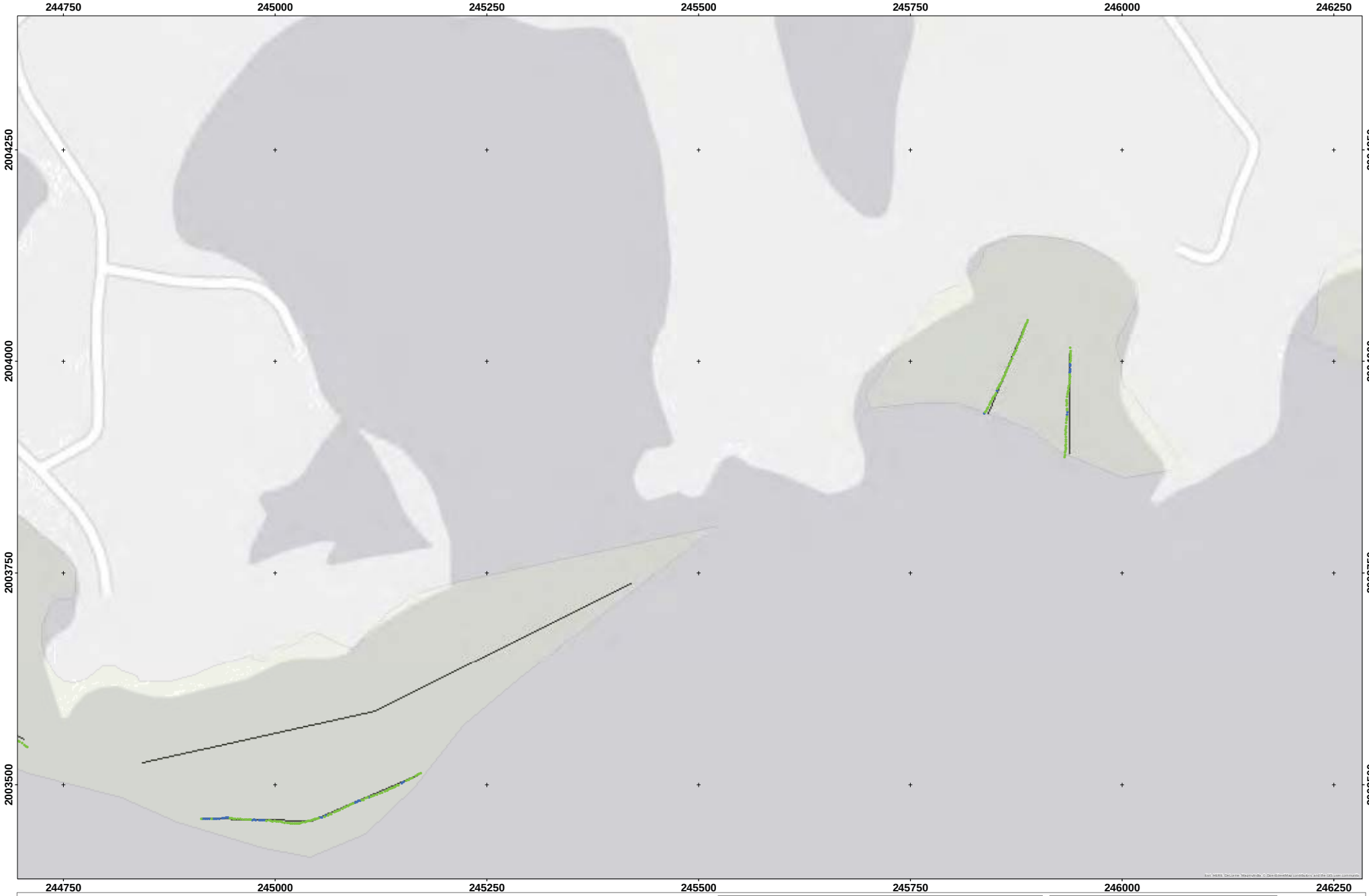
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 58

Legend

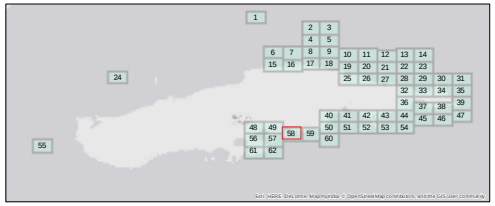
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

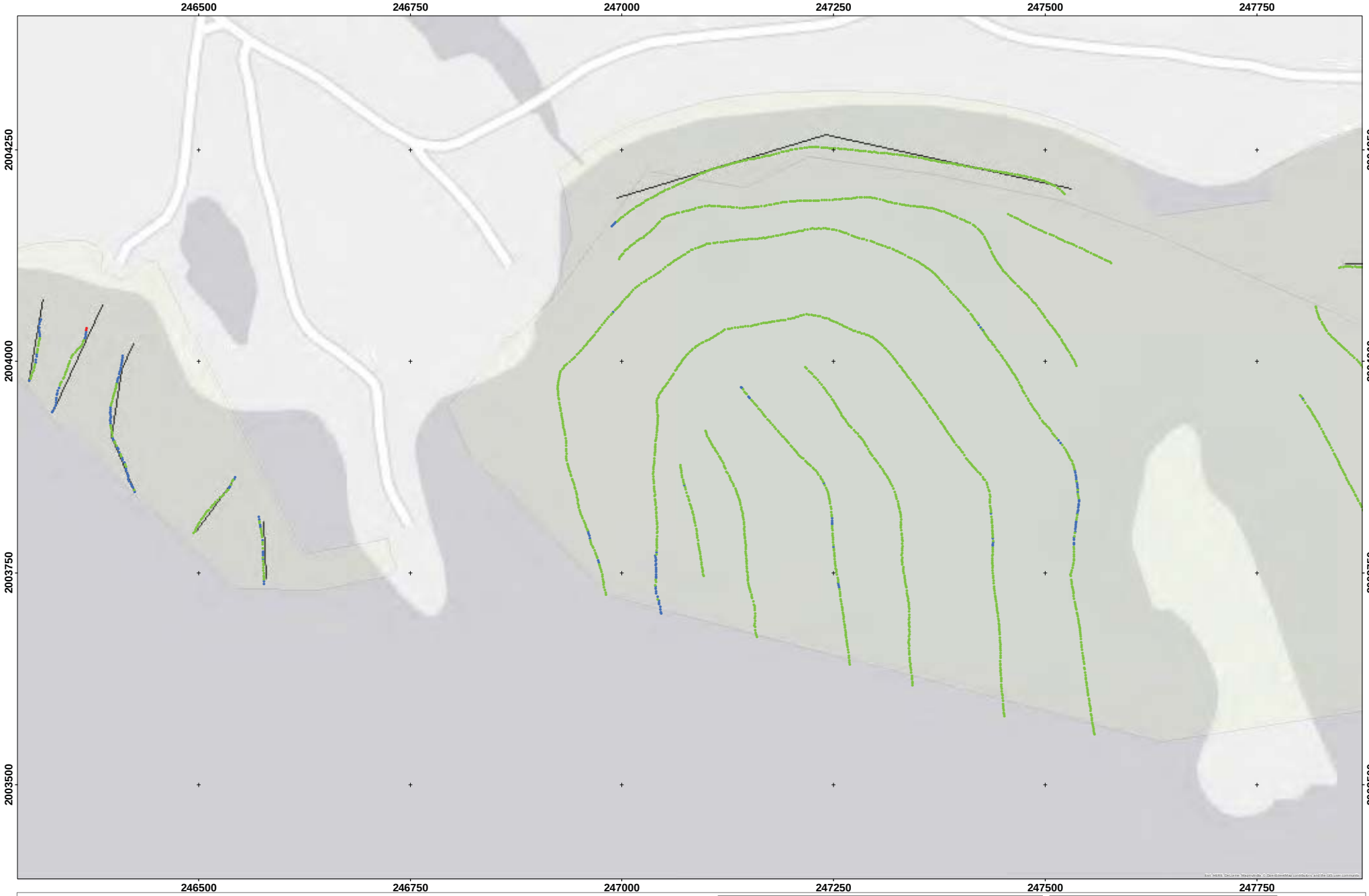
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 59

Legend

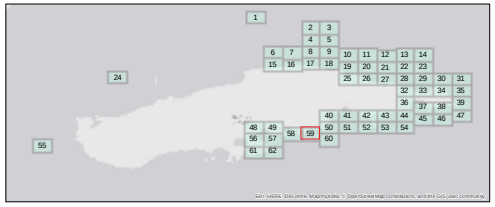
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

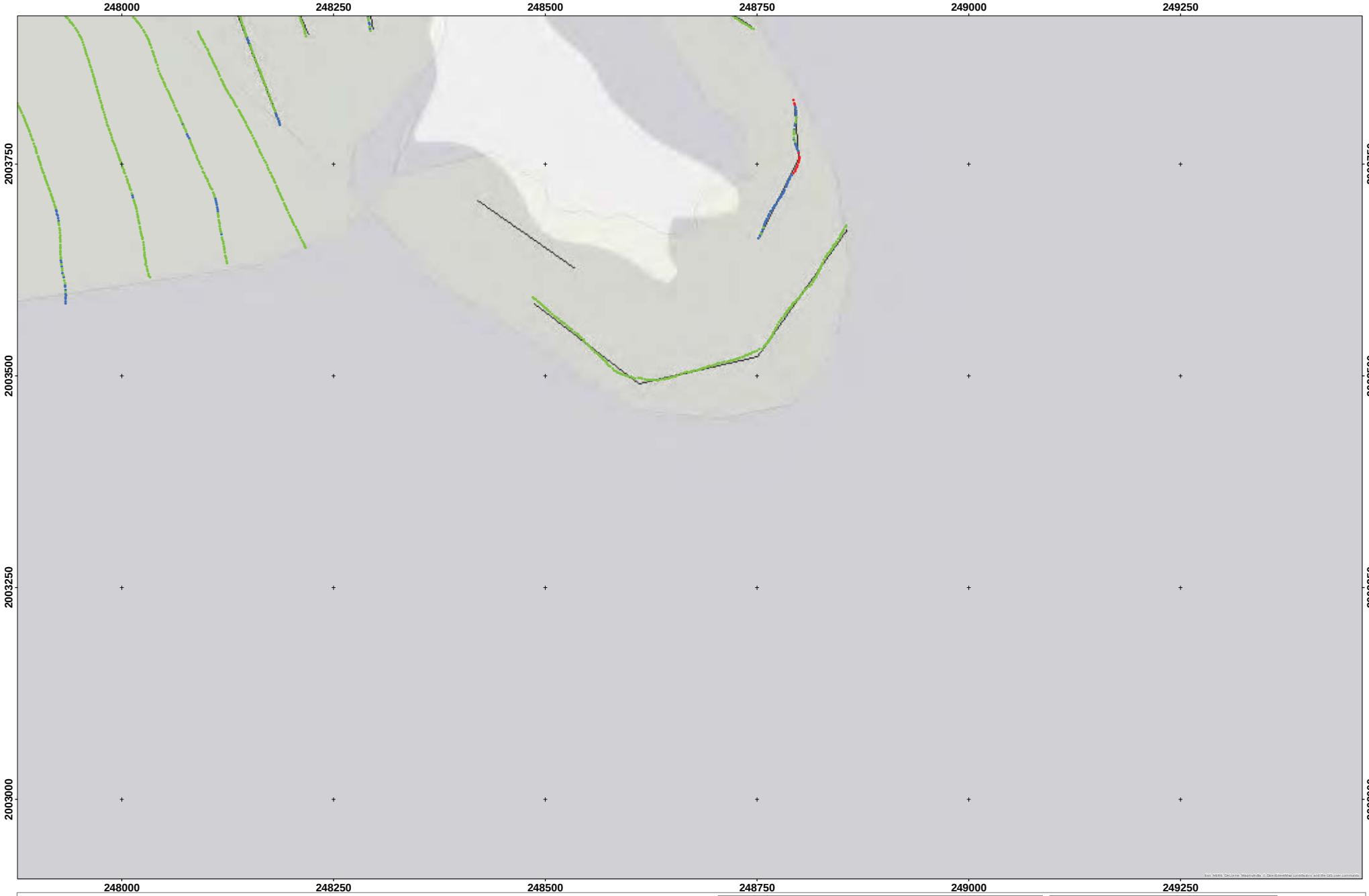
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 60

Legend

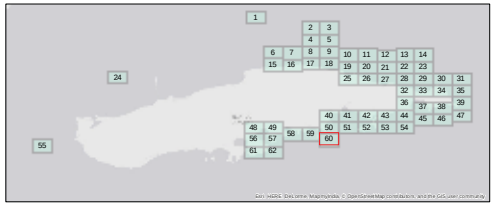
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

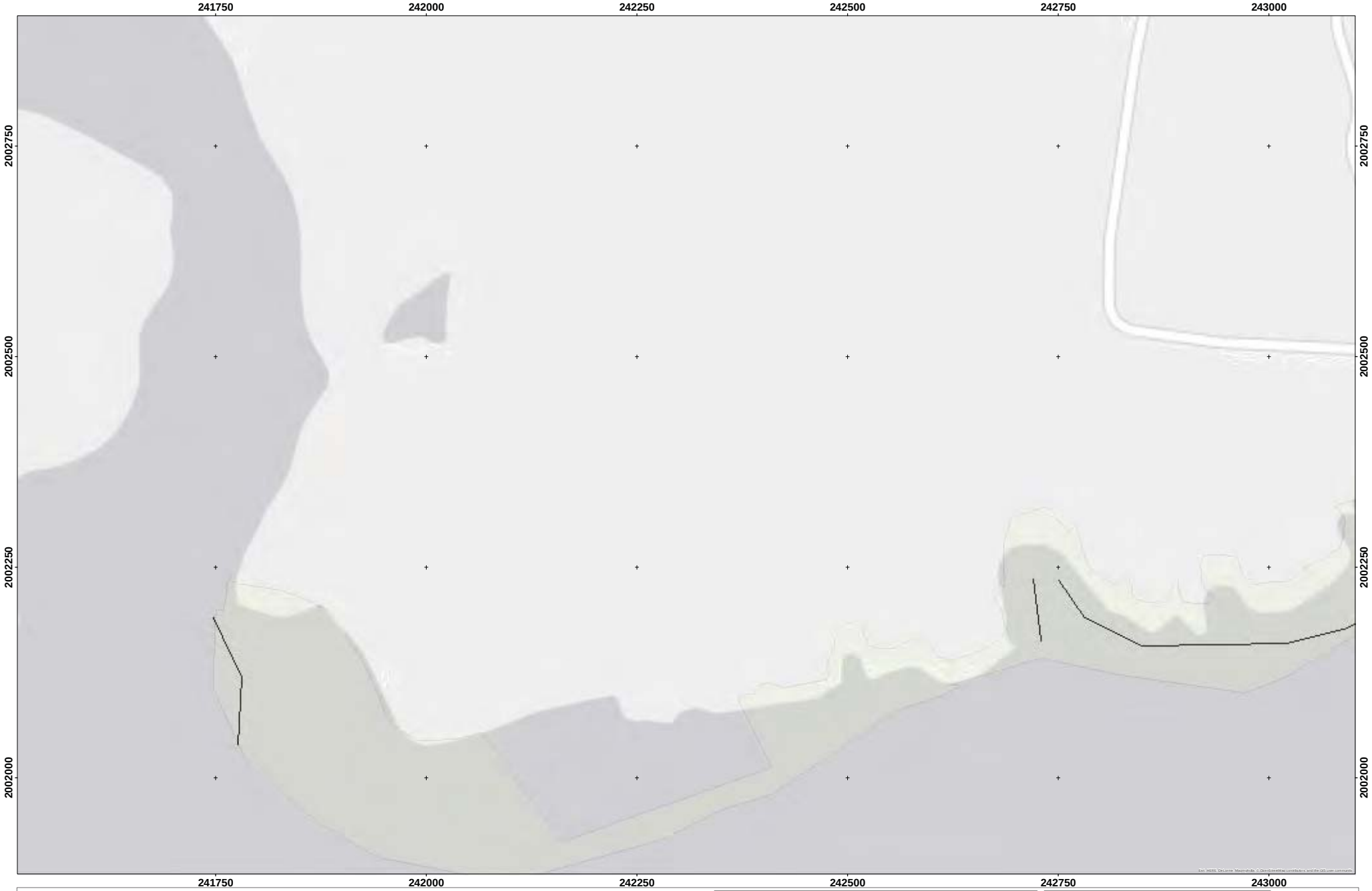
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 61

Legend

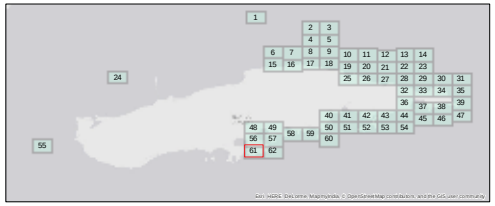
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

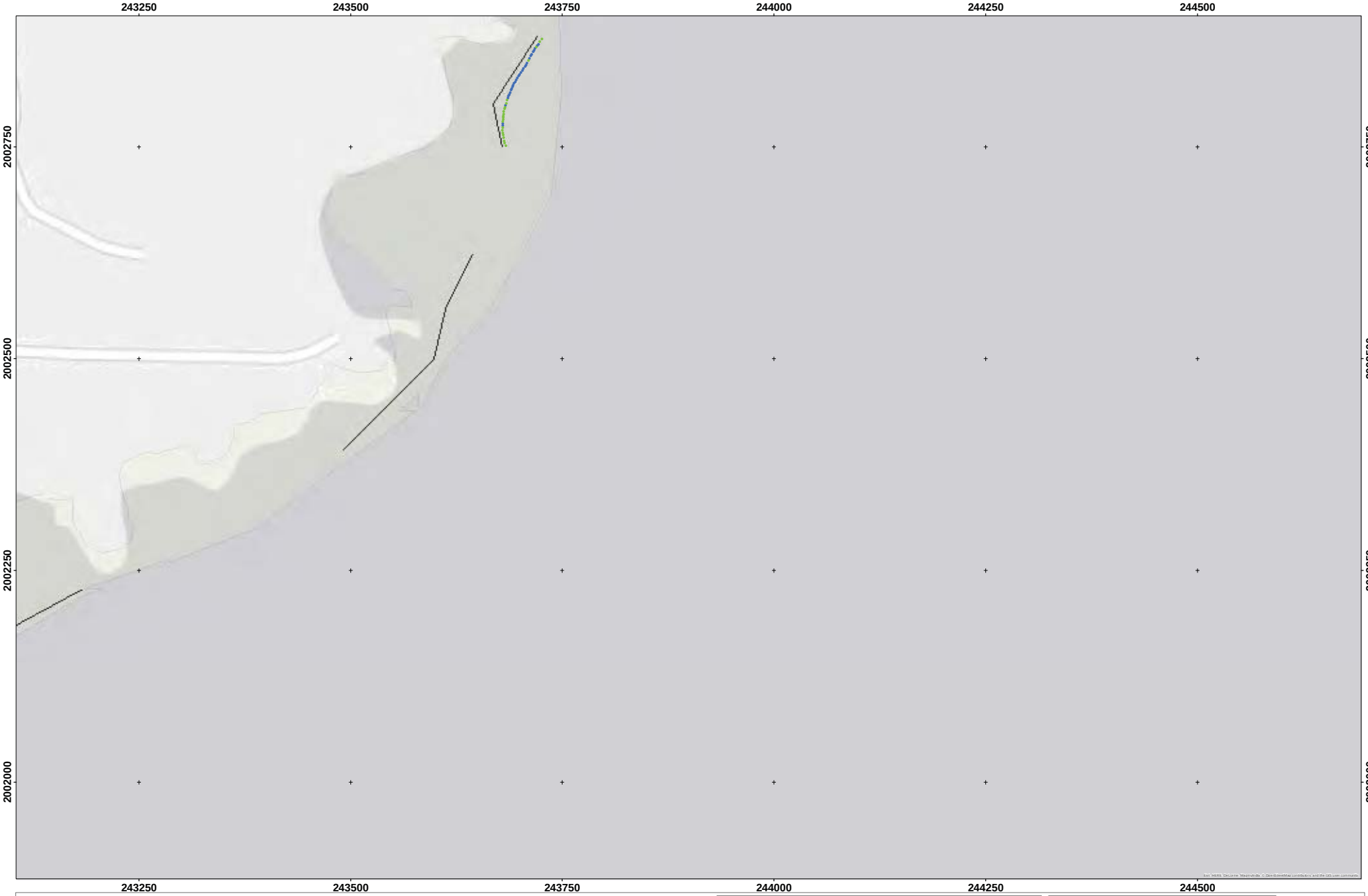
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

Sensor Altitude Map 62

Legend

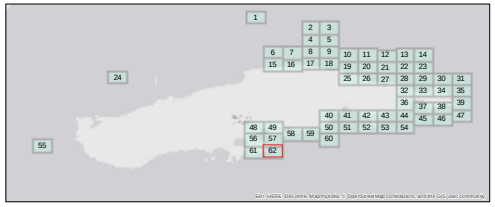
- Array Altitude
- Less than 2 meters
- 2 to 3 meters
- Greater than 3 meters
- Survey_Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S

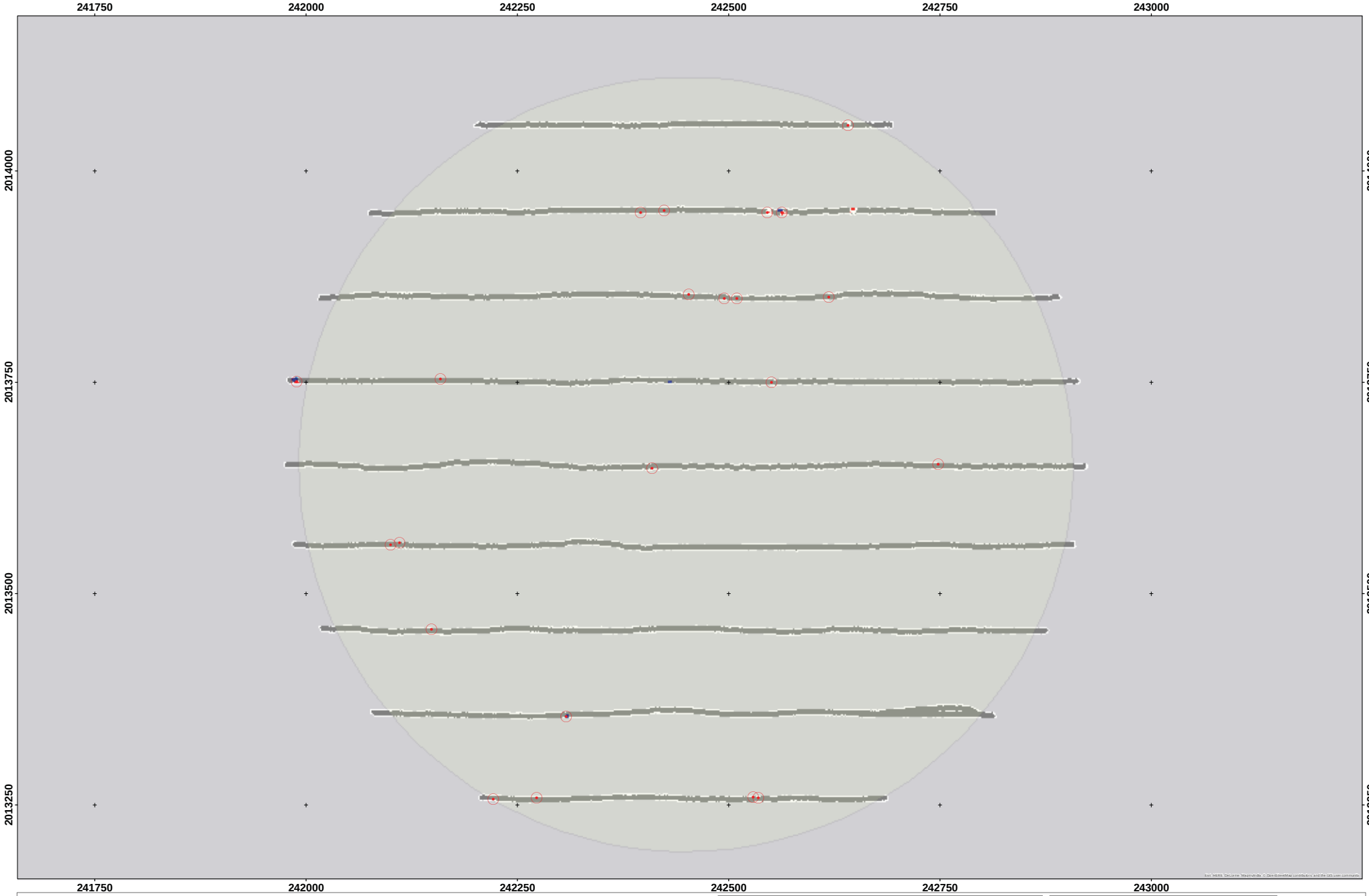


Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

Attachment D

Anomaly Maps



WAA 16

EM Anomaly Map 1

Legend

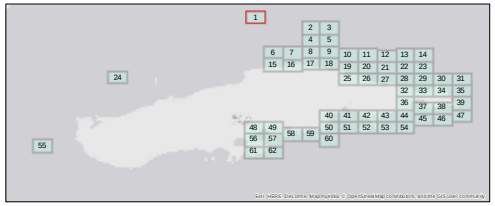
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

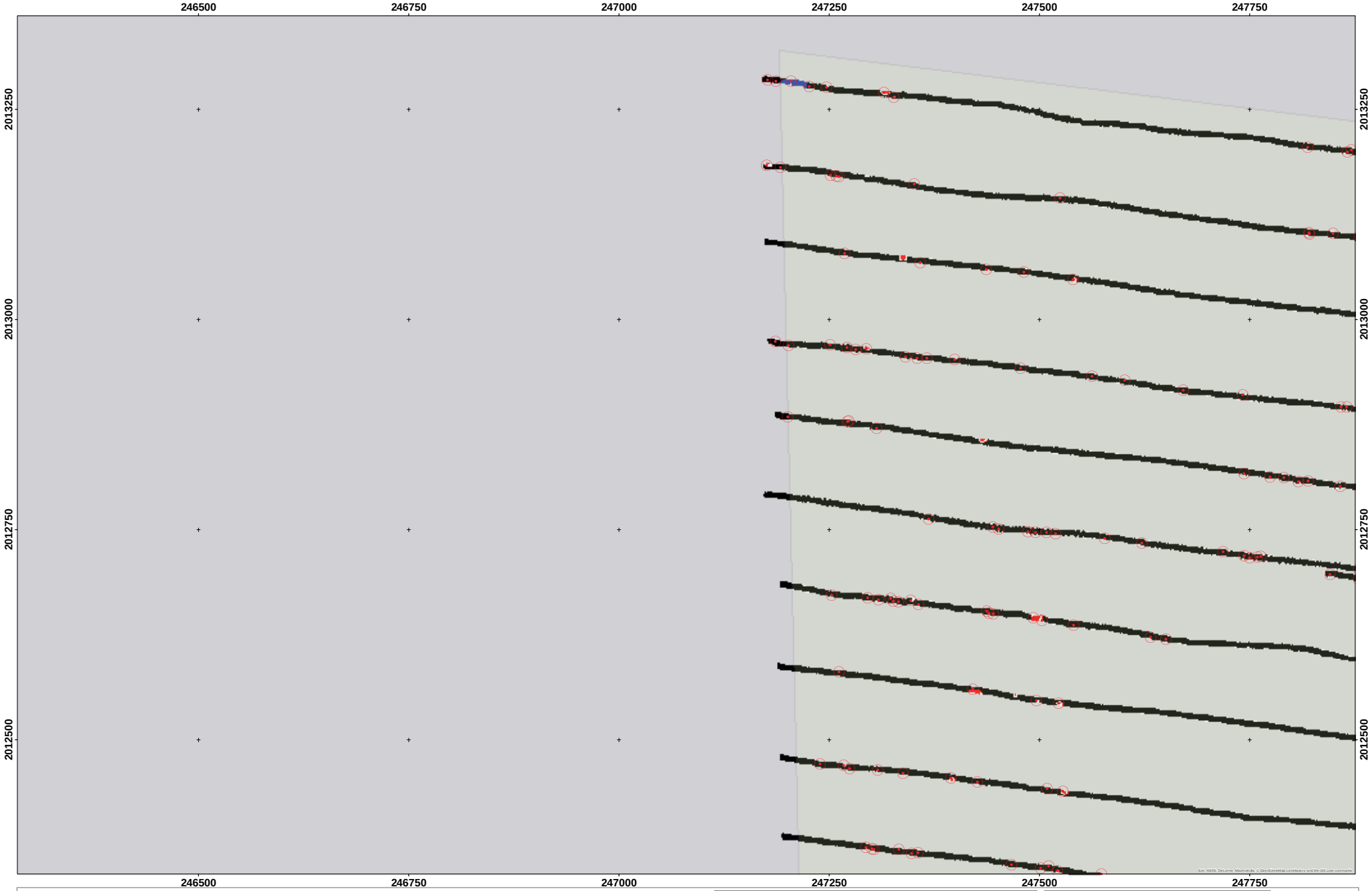
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 2

Legend

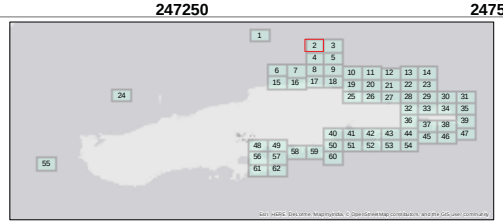
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

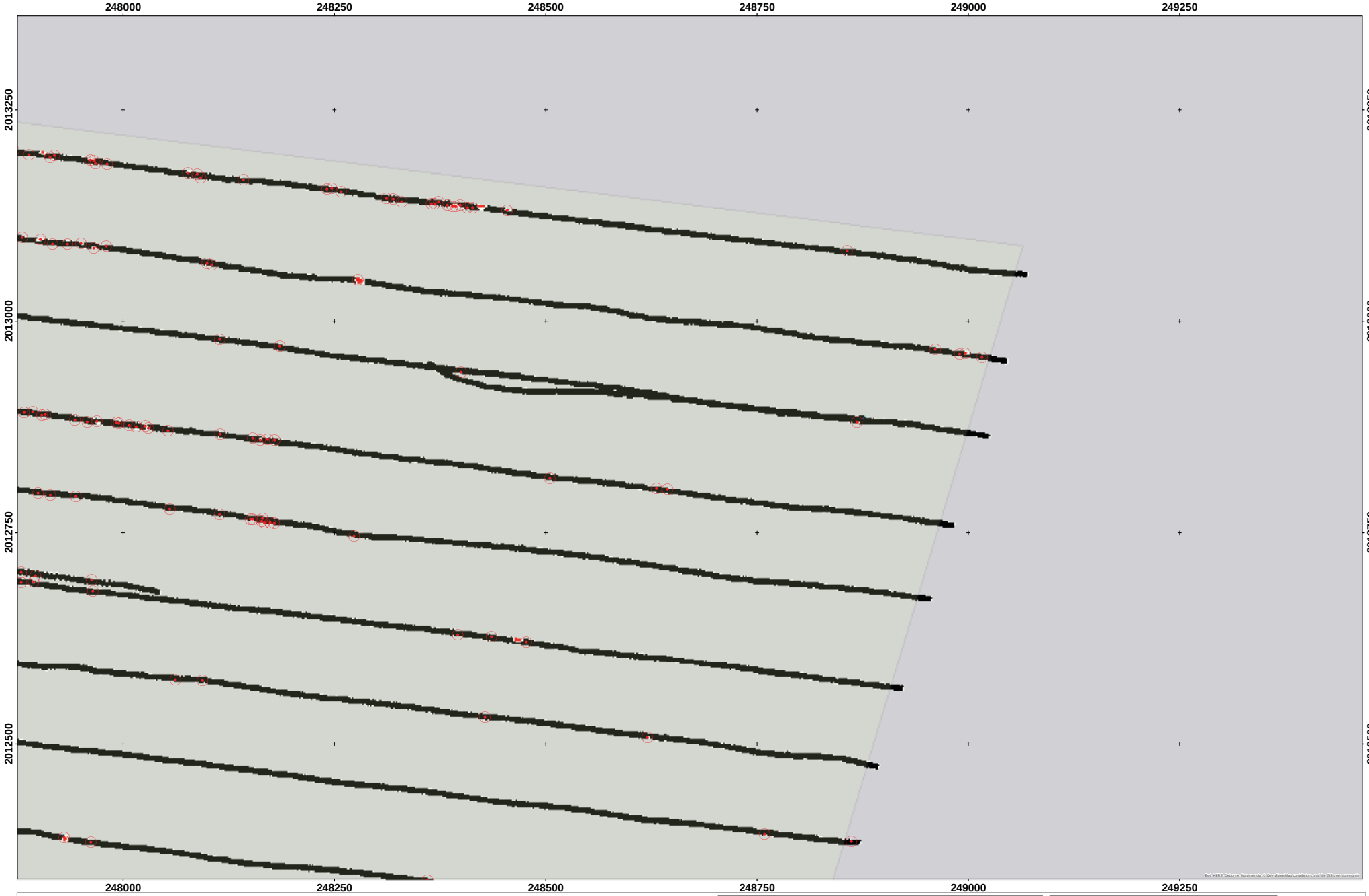
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 3

Legend

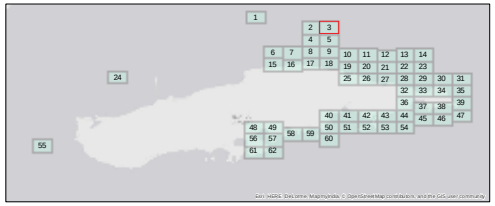
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

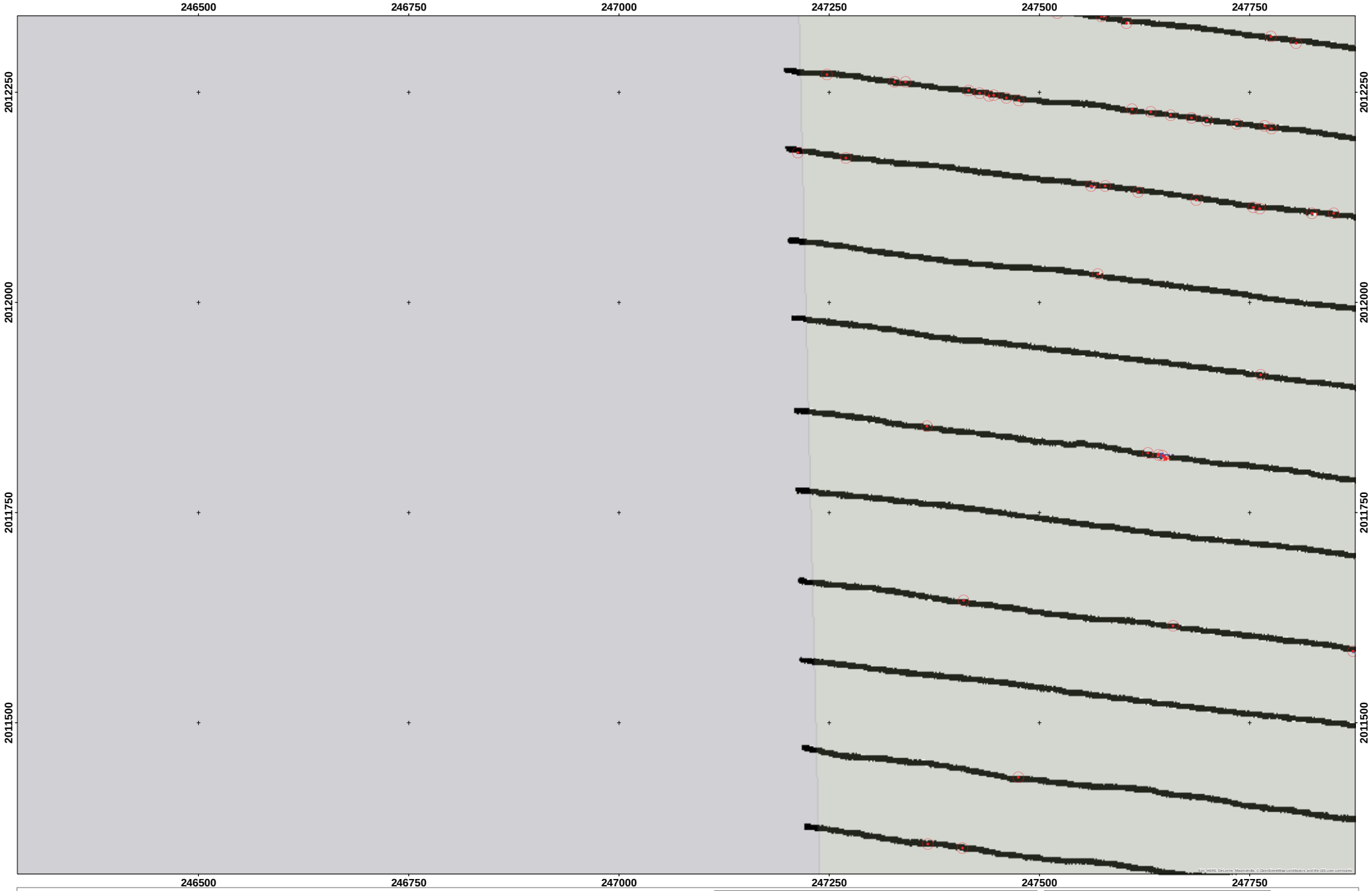
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 4

Legend

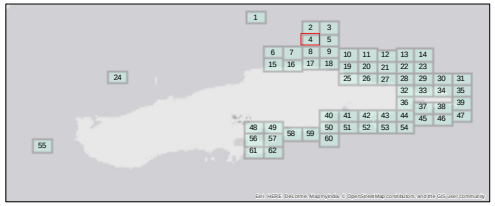
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

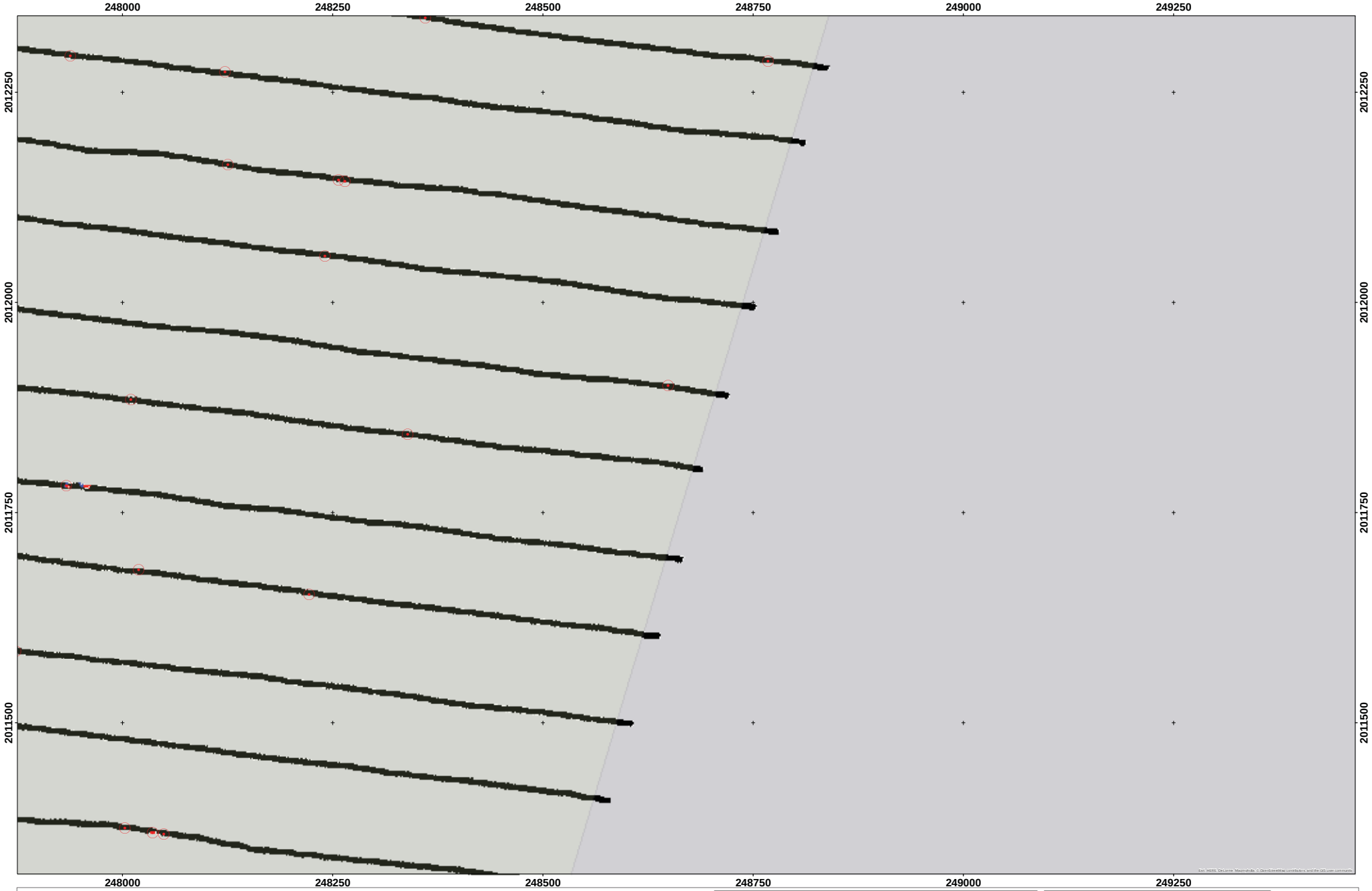
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 5

Legend

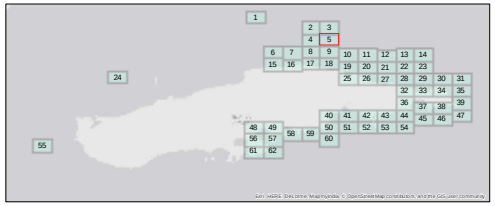
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

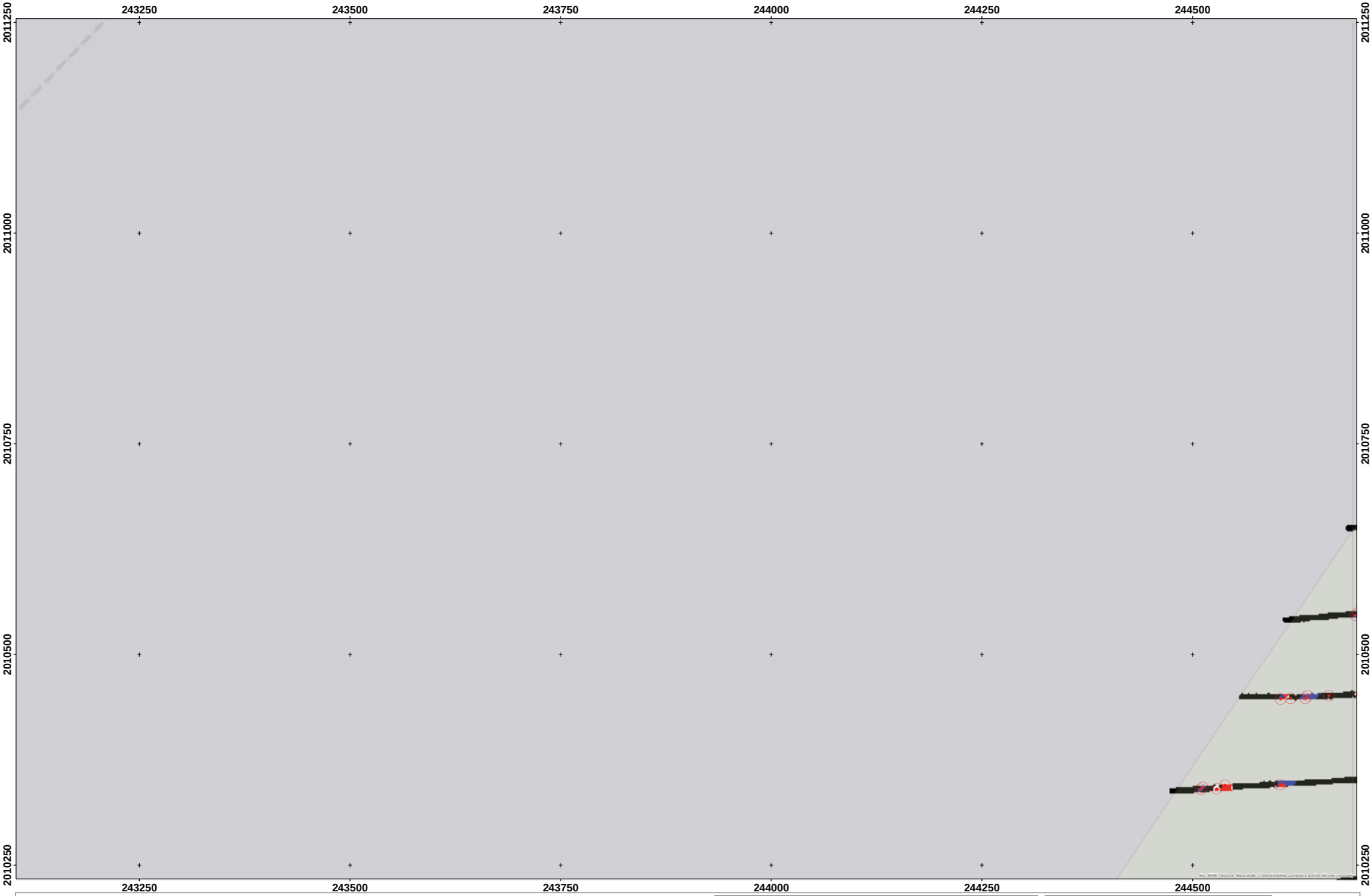
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 6

Legend

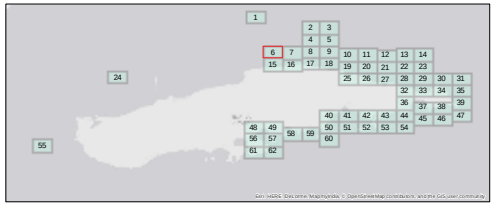
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

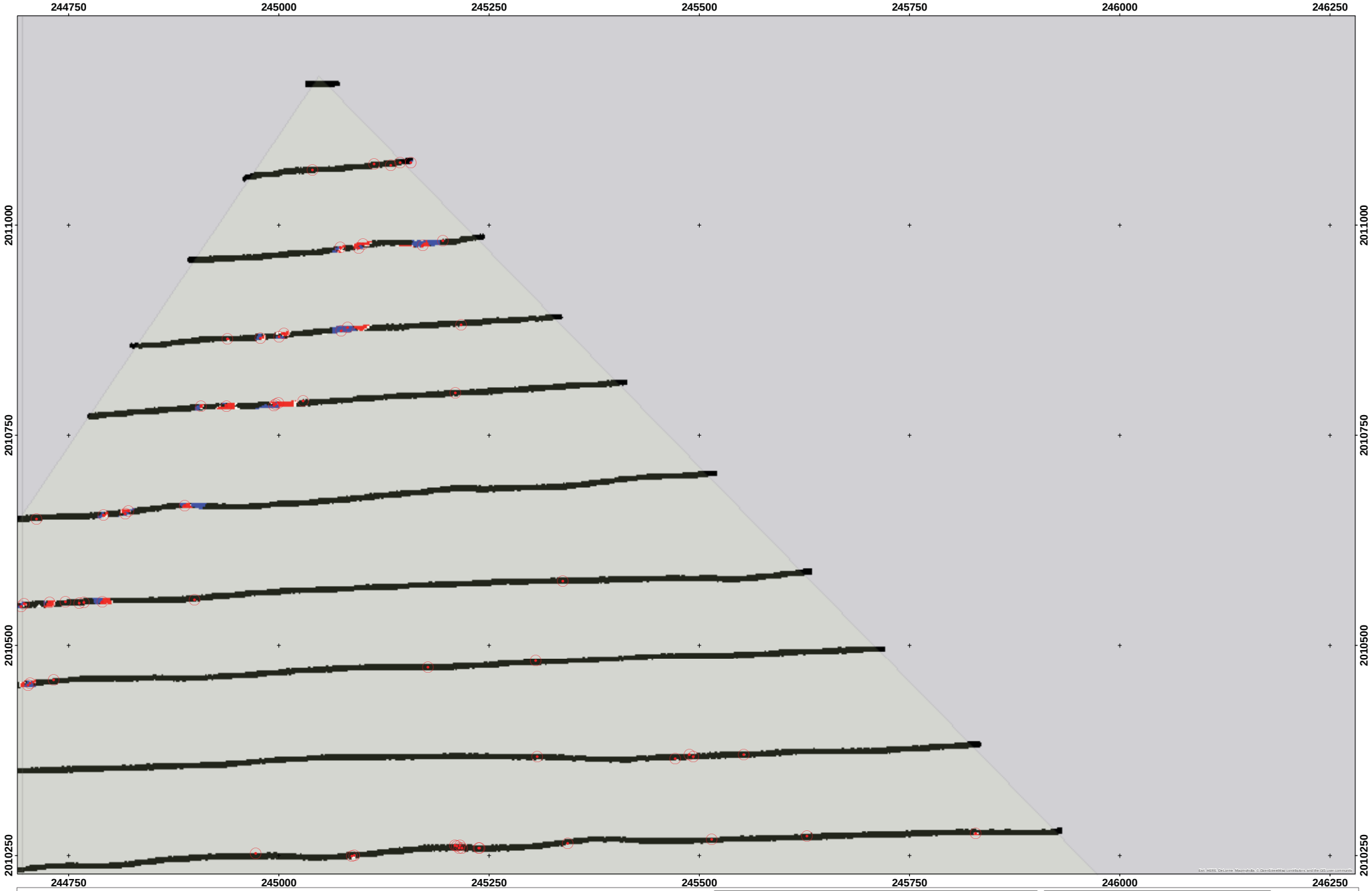
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 7

Legend

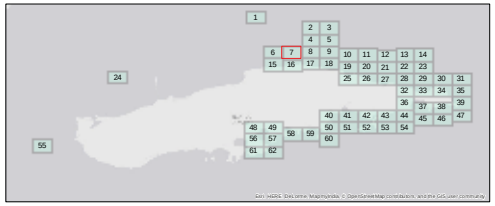
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

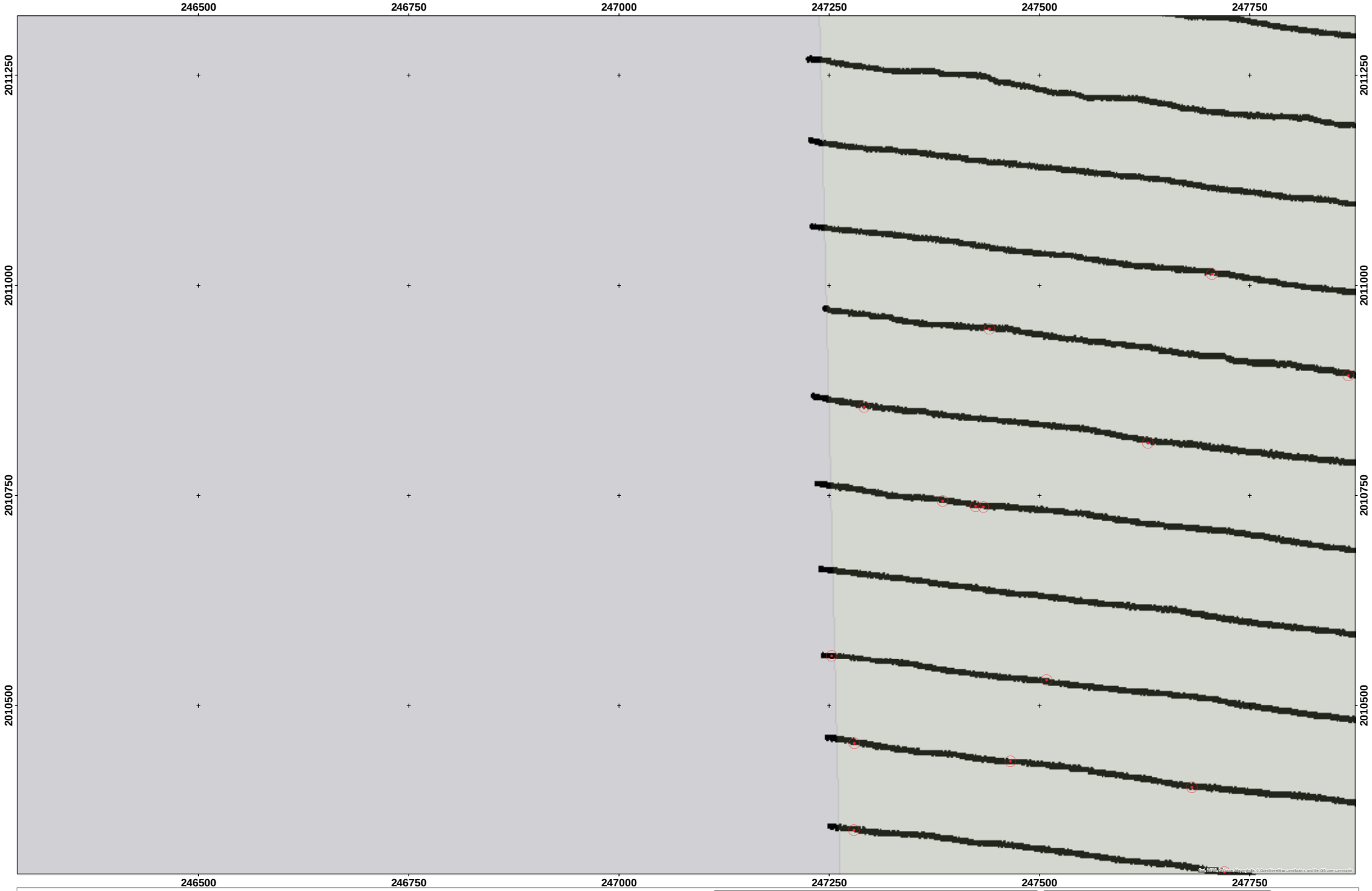
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 8

Legend

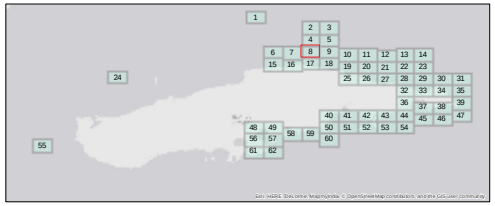
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

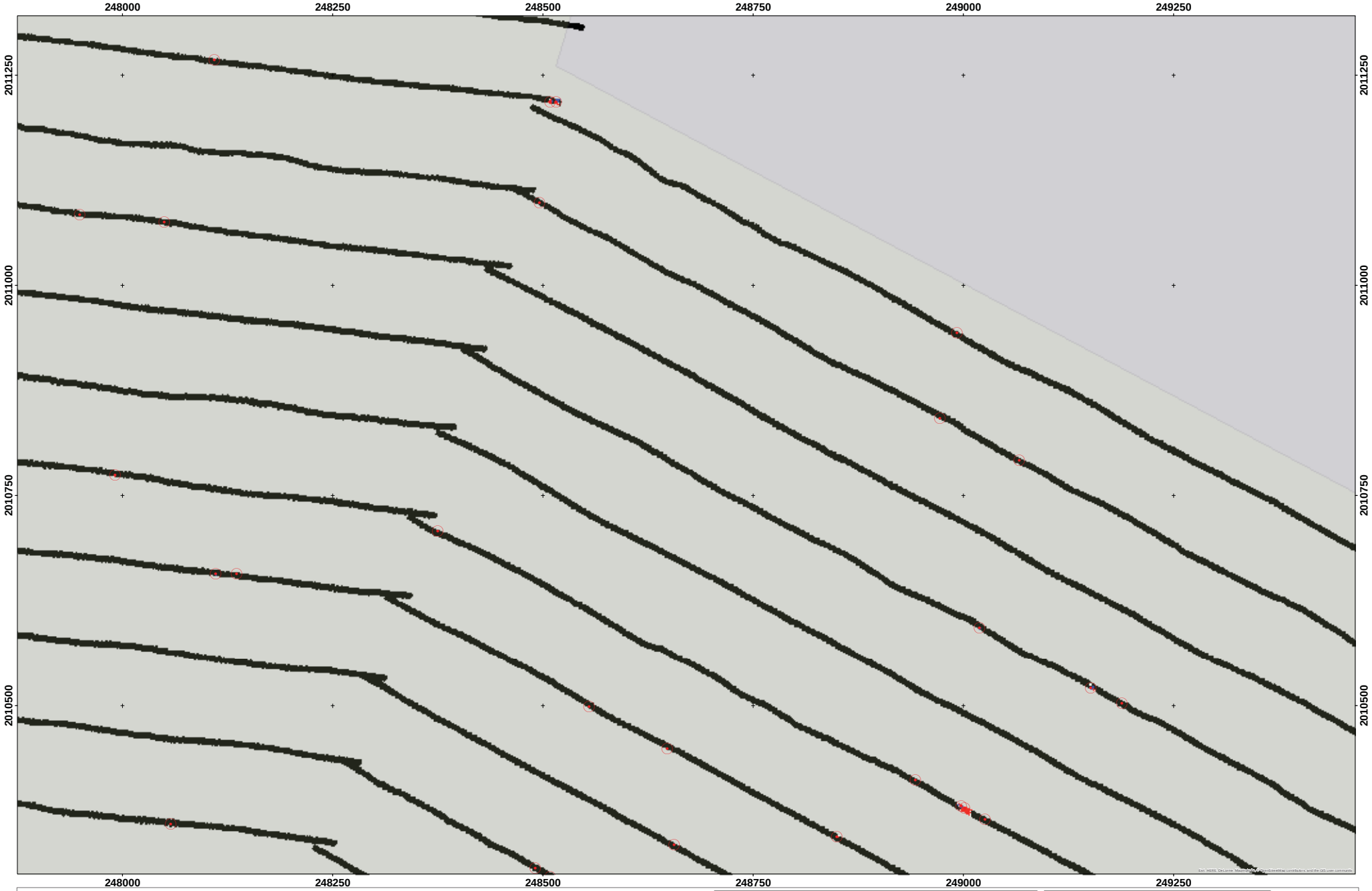
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 9

Legend

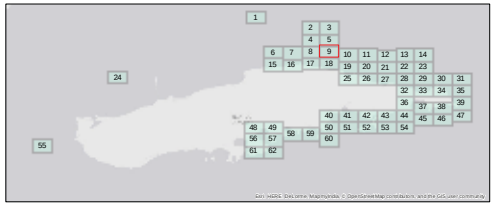
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

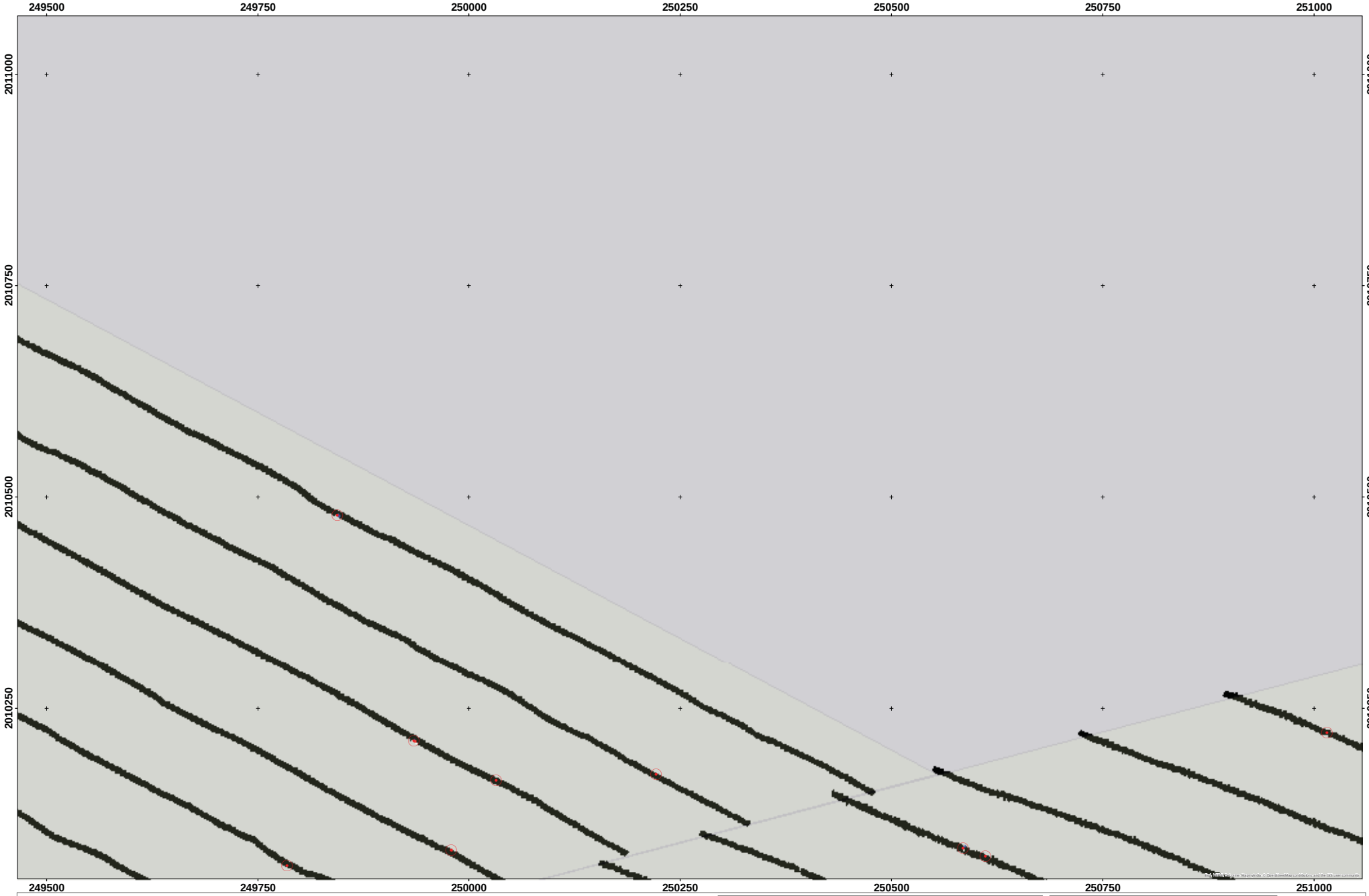
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 10

Legend

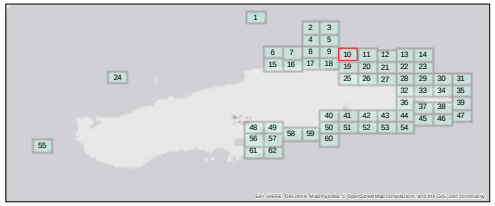
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

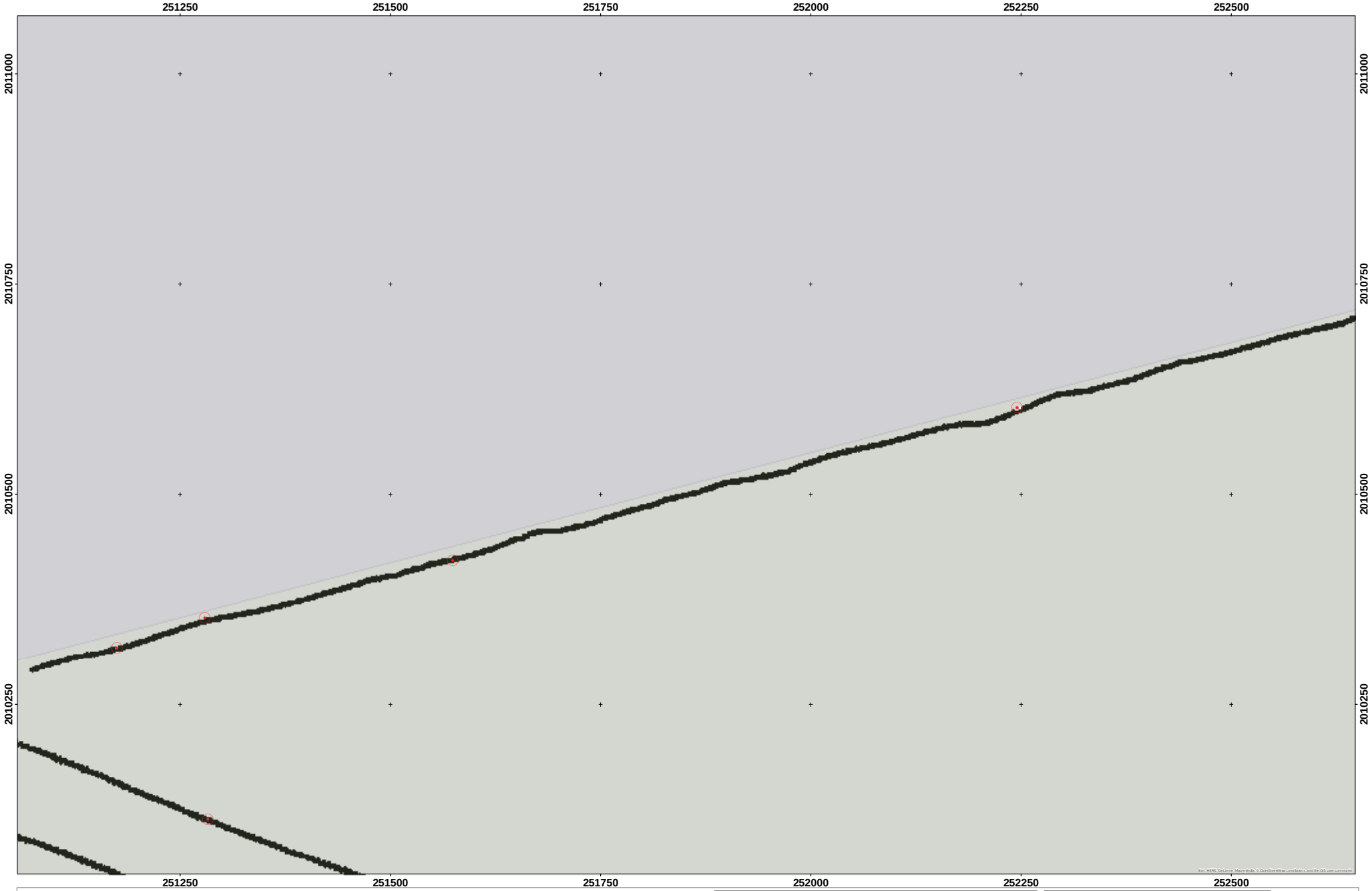
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 11

Legend

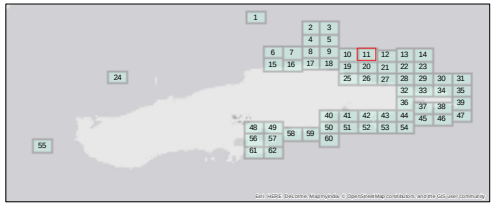
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

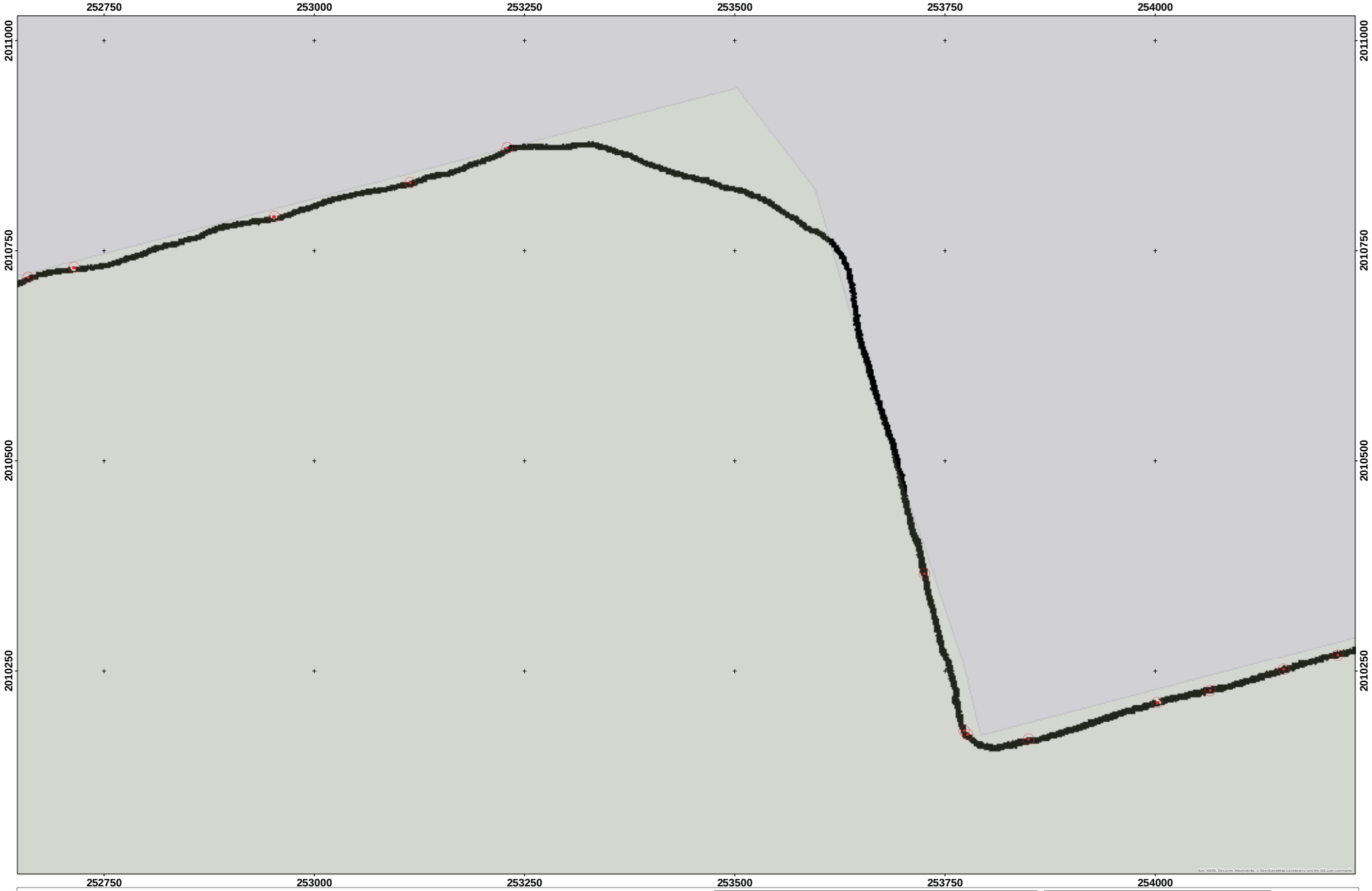
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 12

Legend

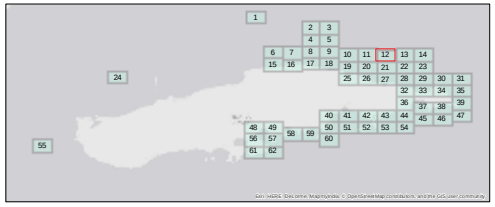
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

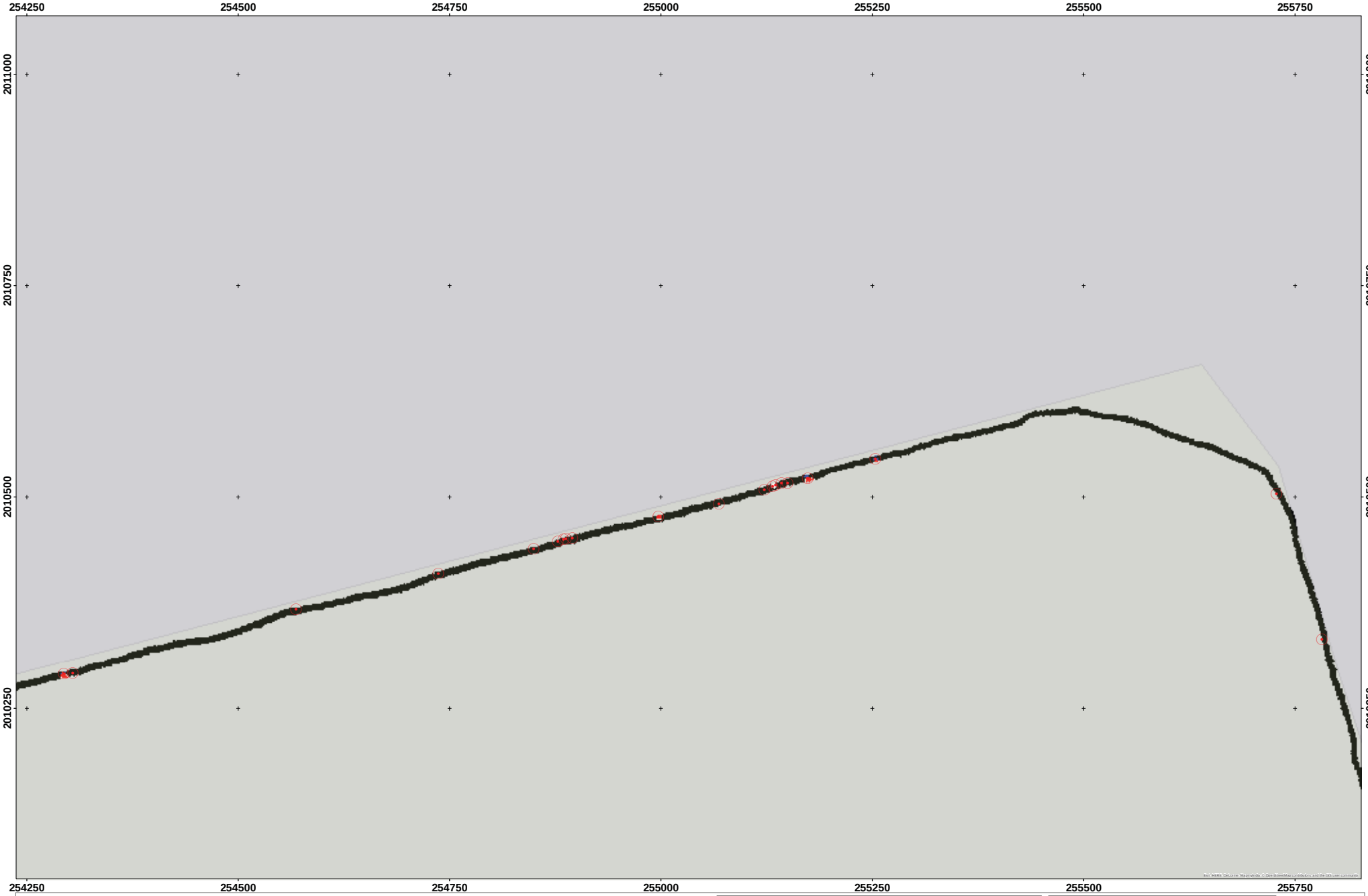
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 13

Legend

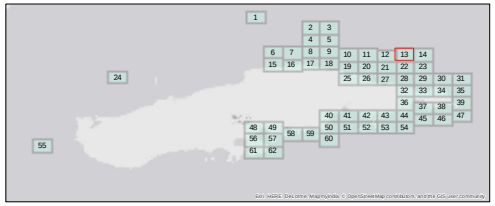
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

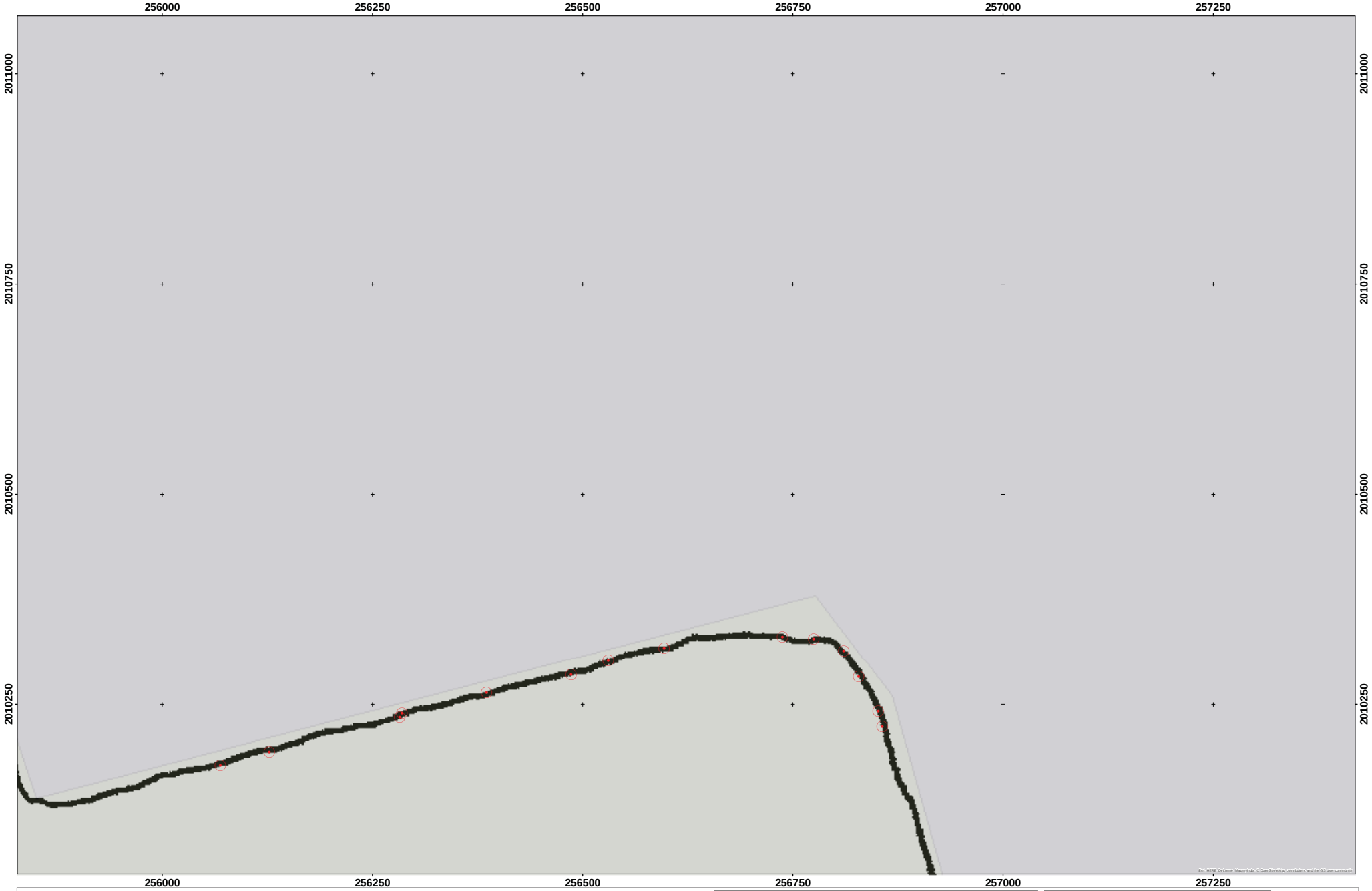
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 14

Legend

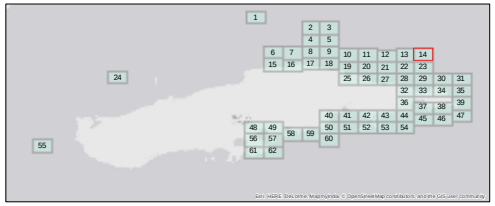
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

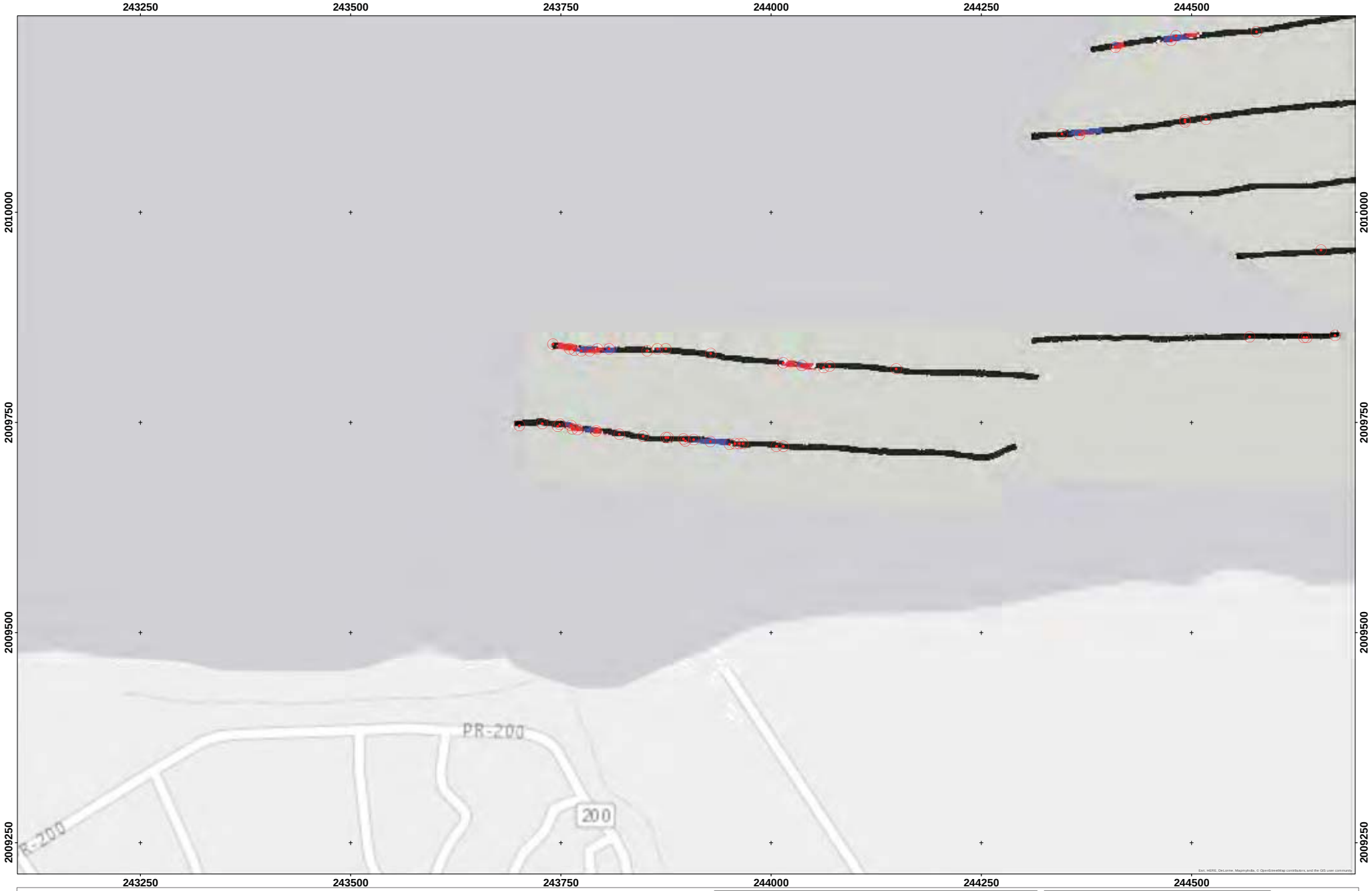
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 15

Legend

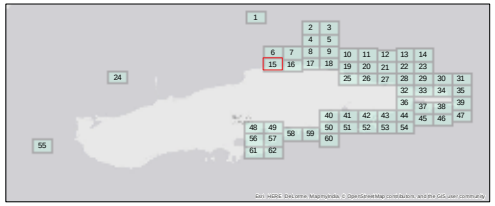
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

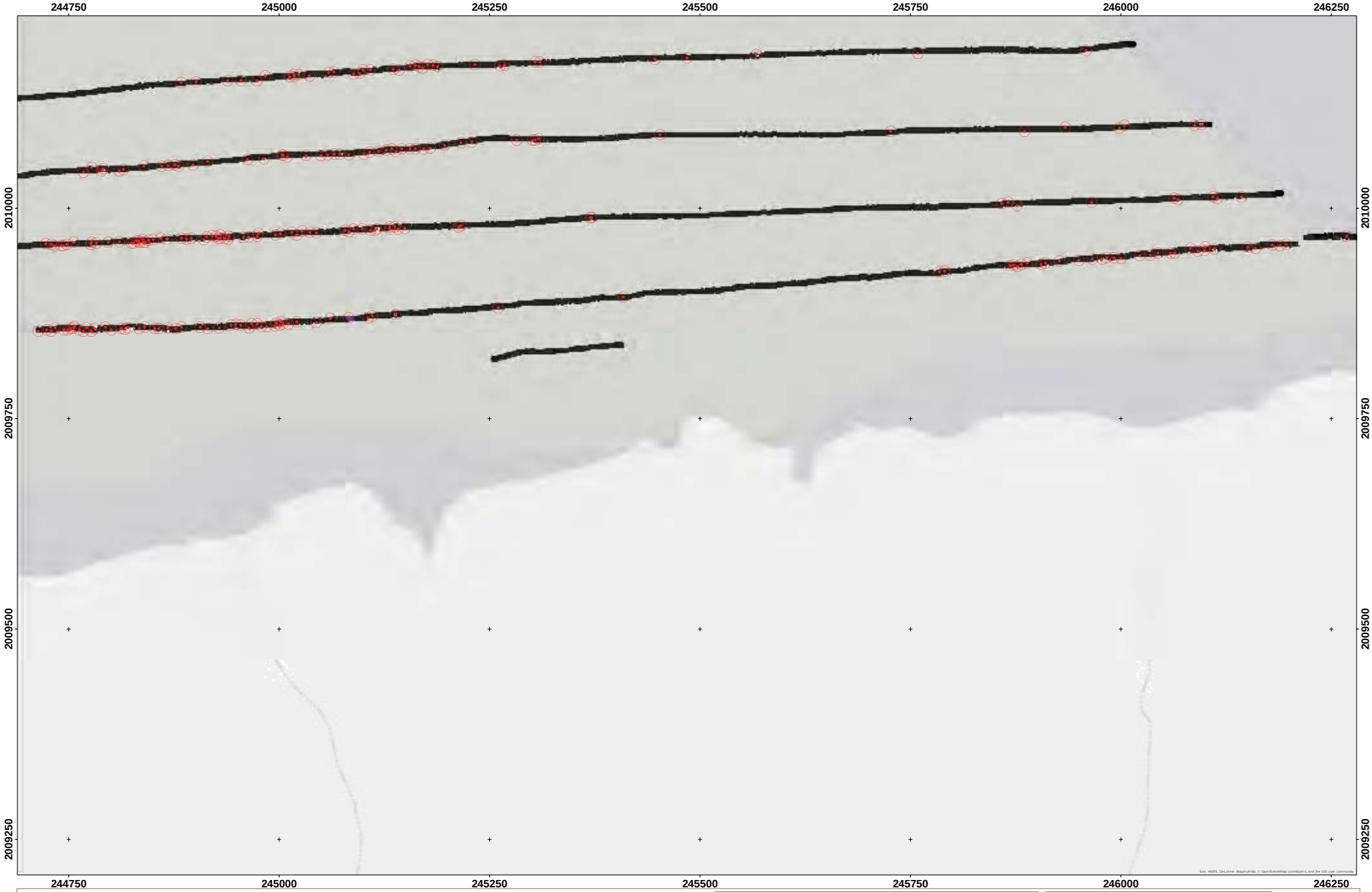
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 16

Legend

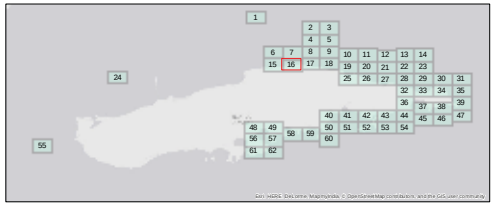
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

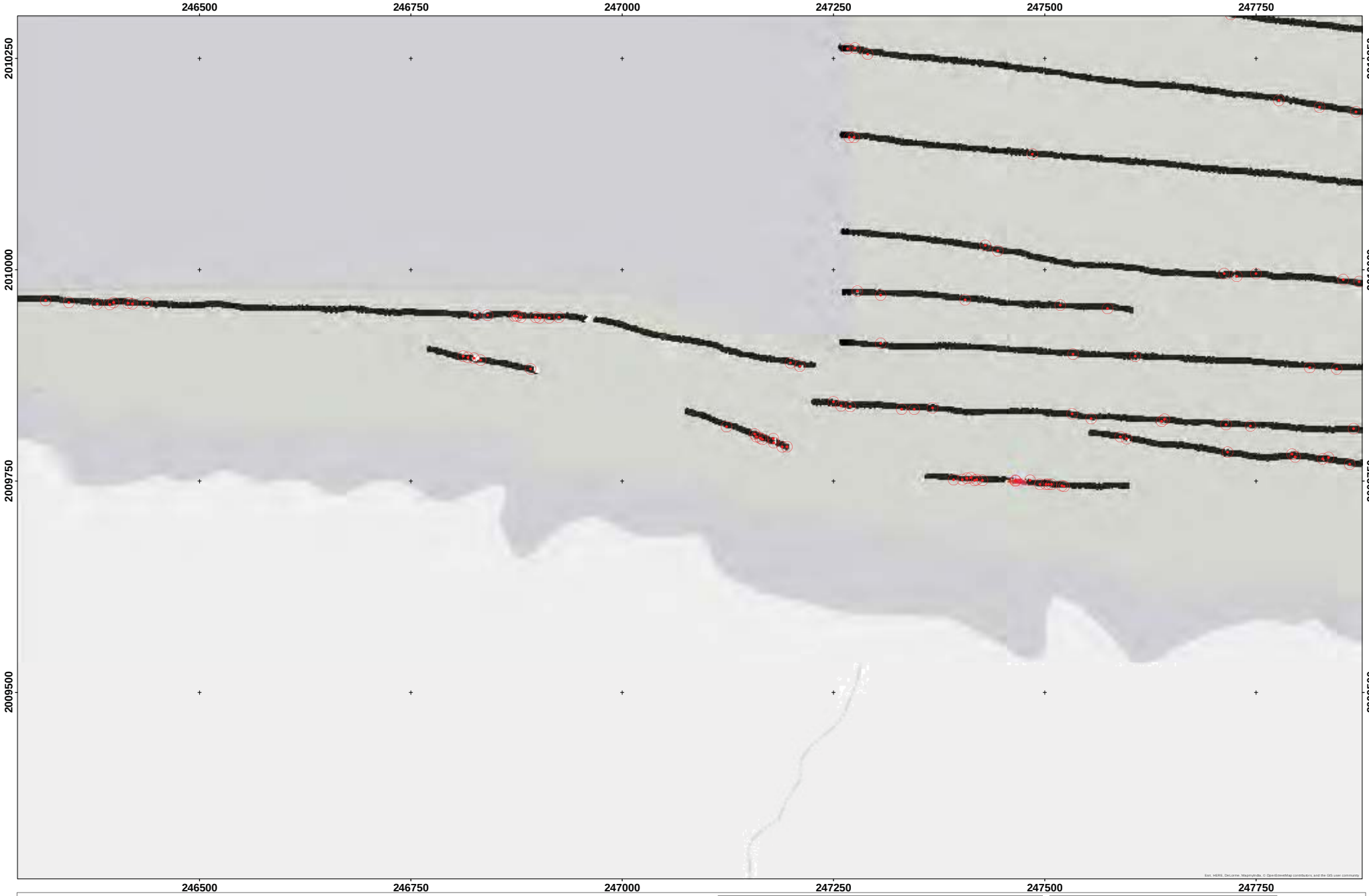
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 17

Legend

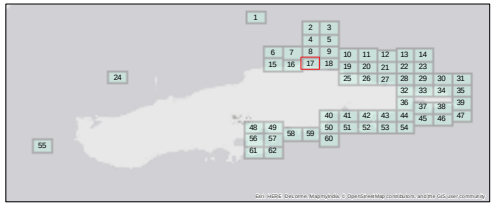
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

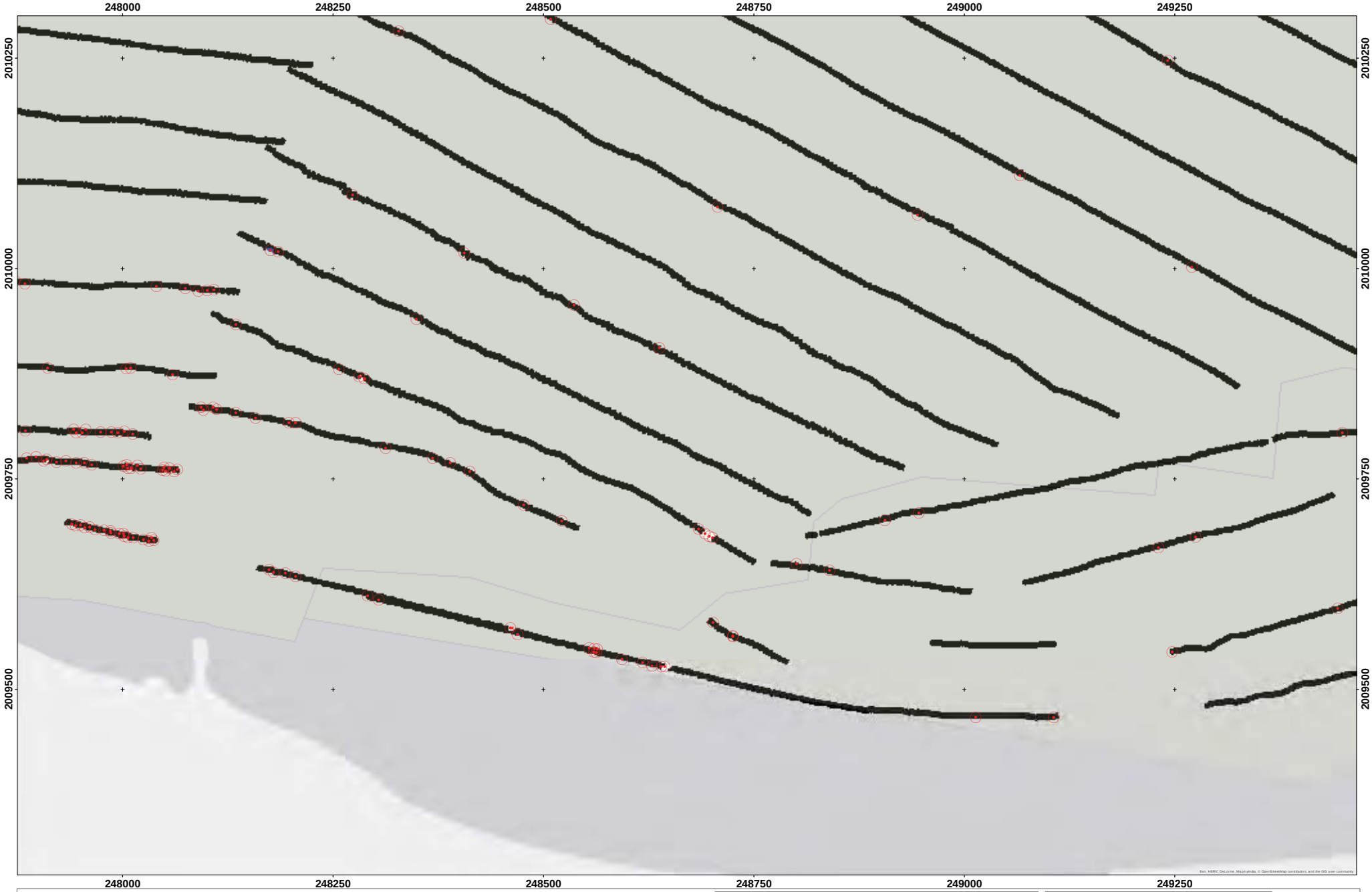
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 18

Legend

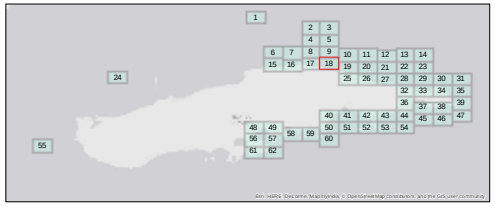
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

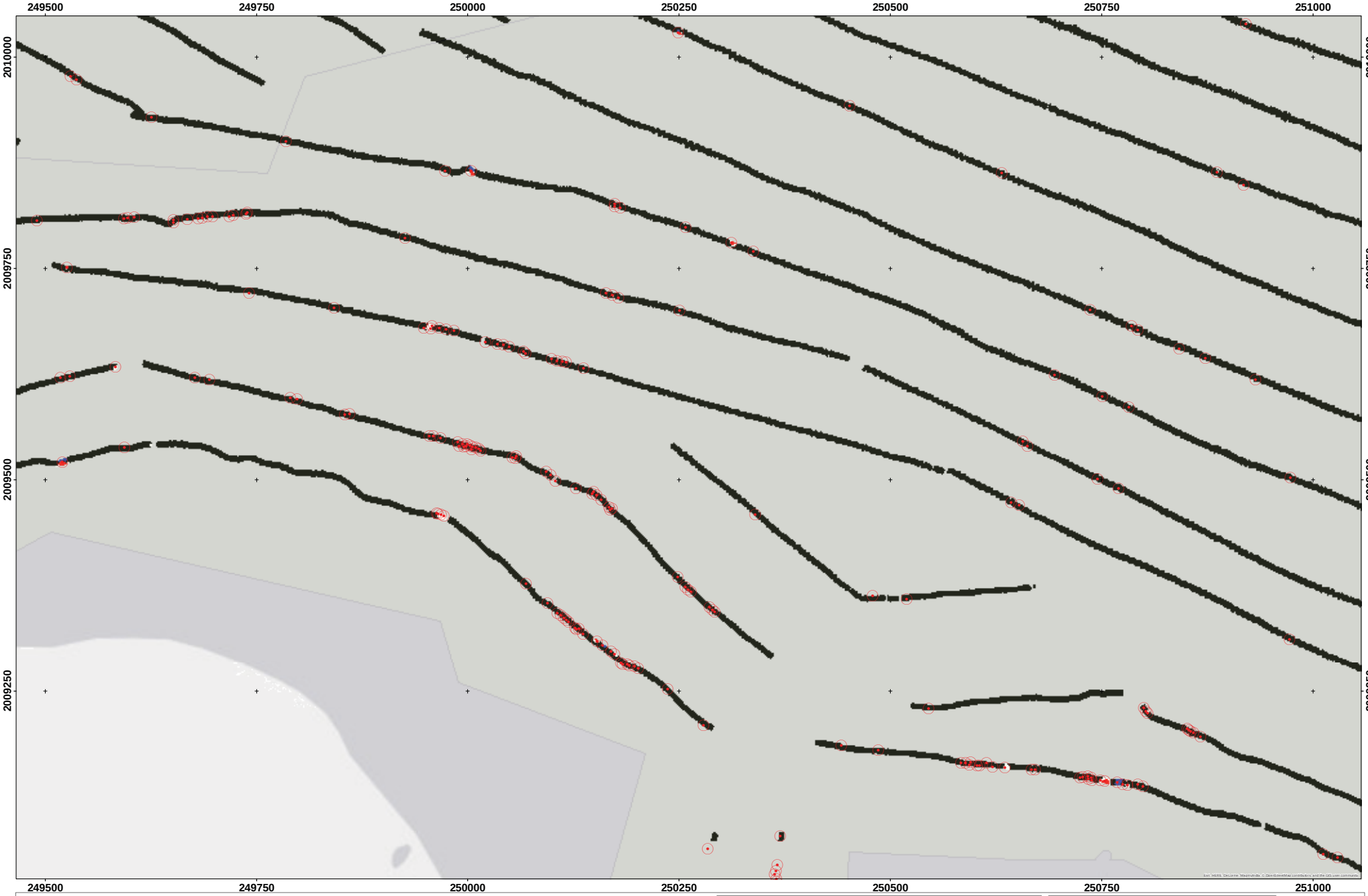
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 19

Legend

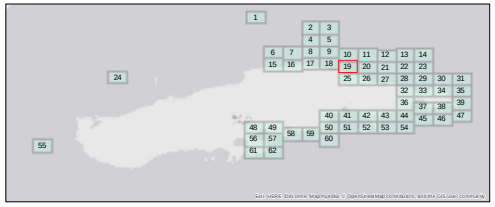
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

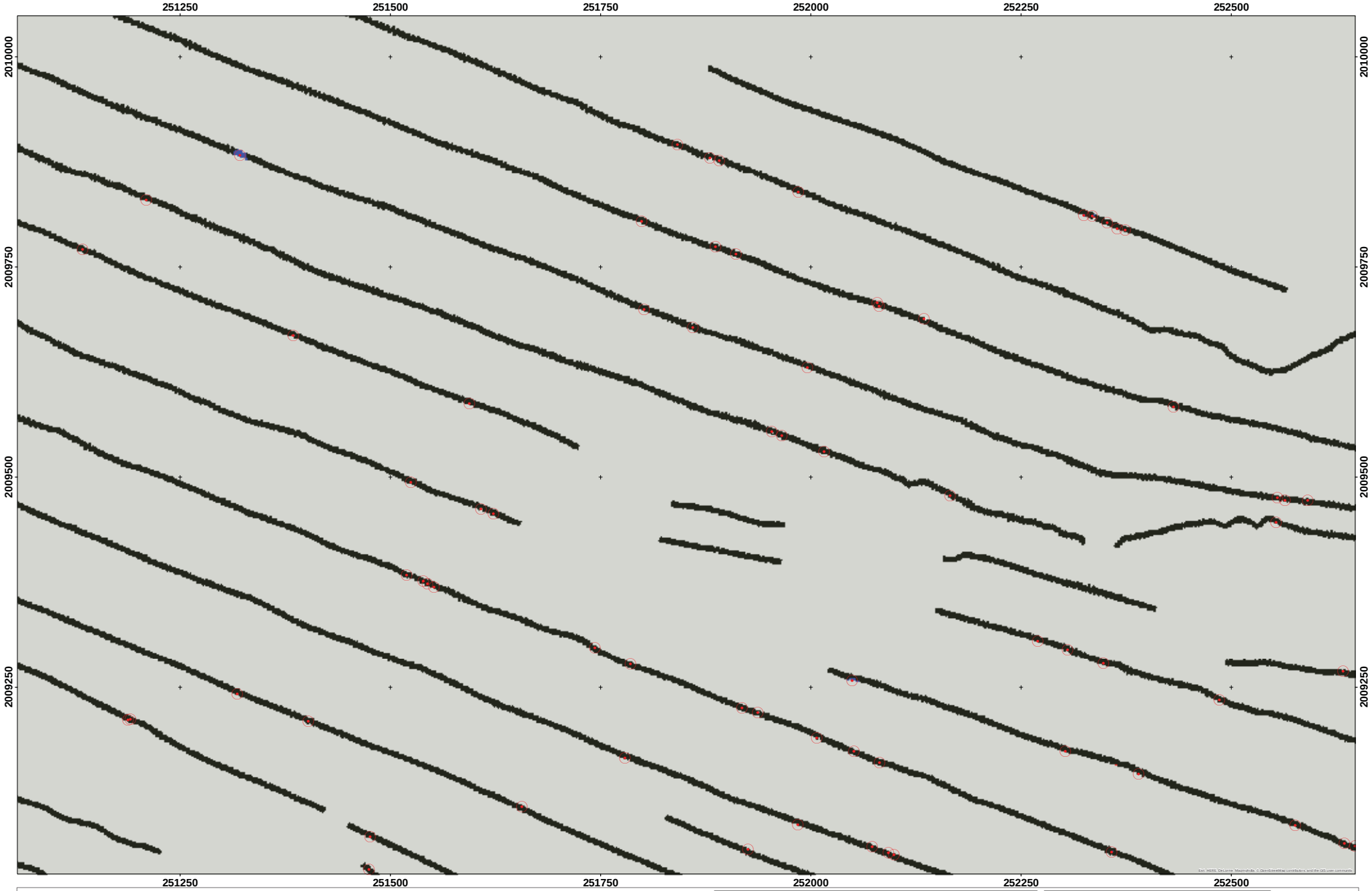
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 20

Legend

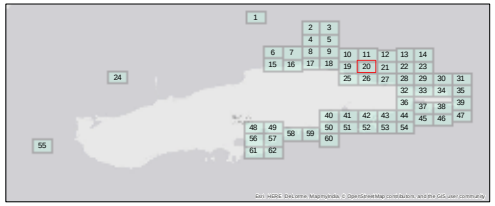
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

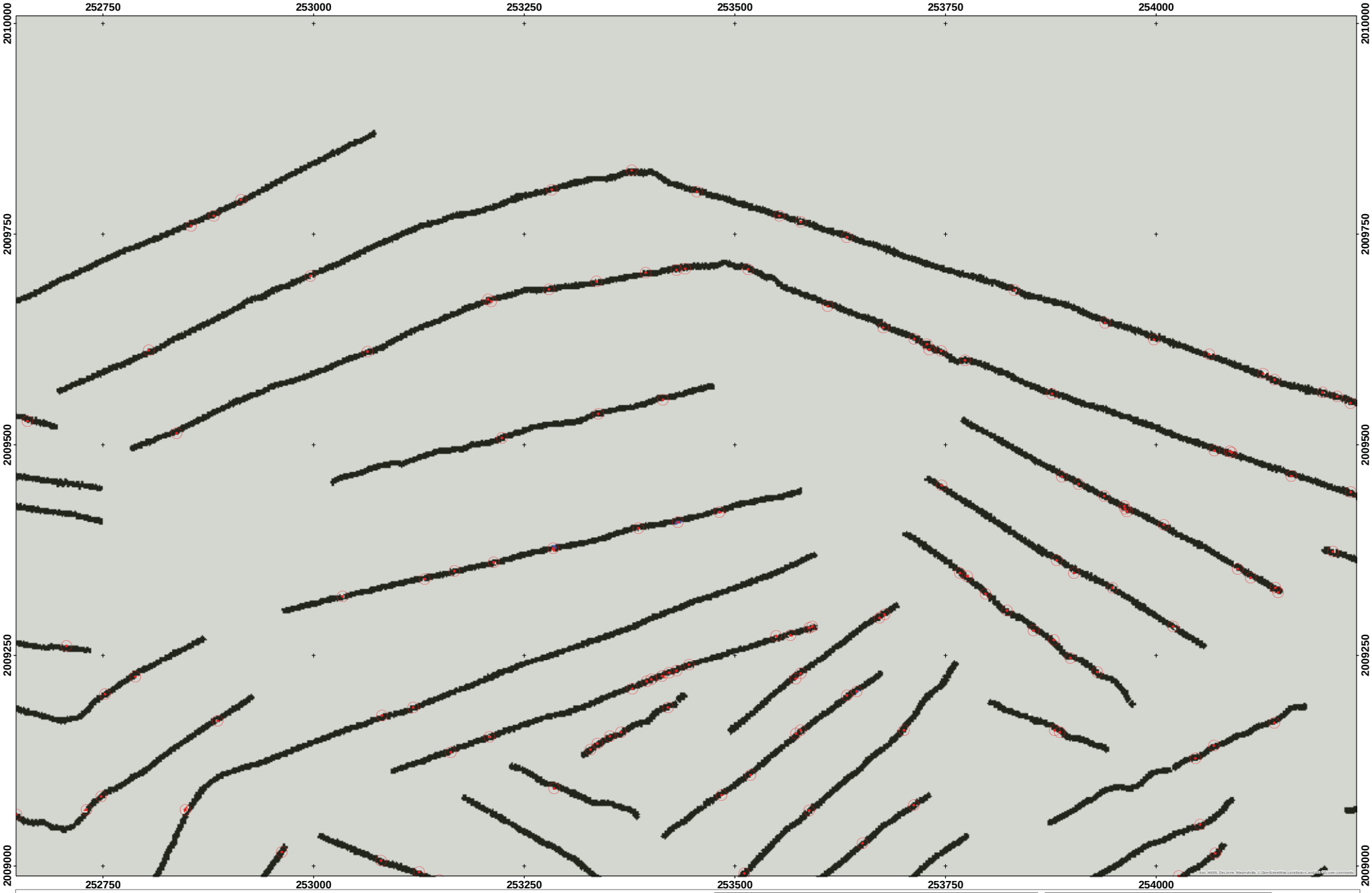
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 21

Legend

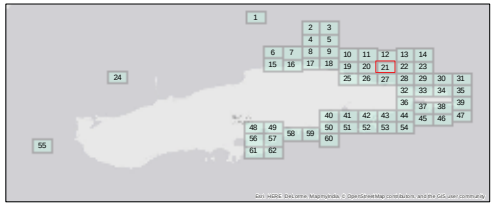
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

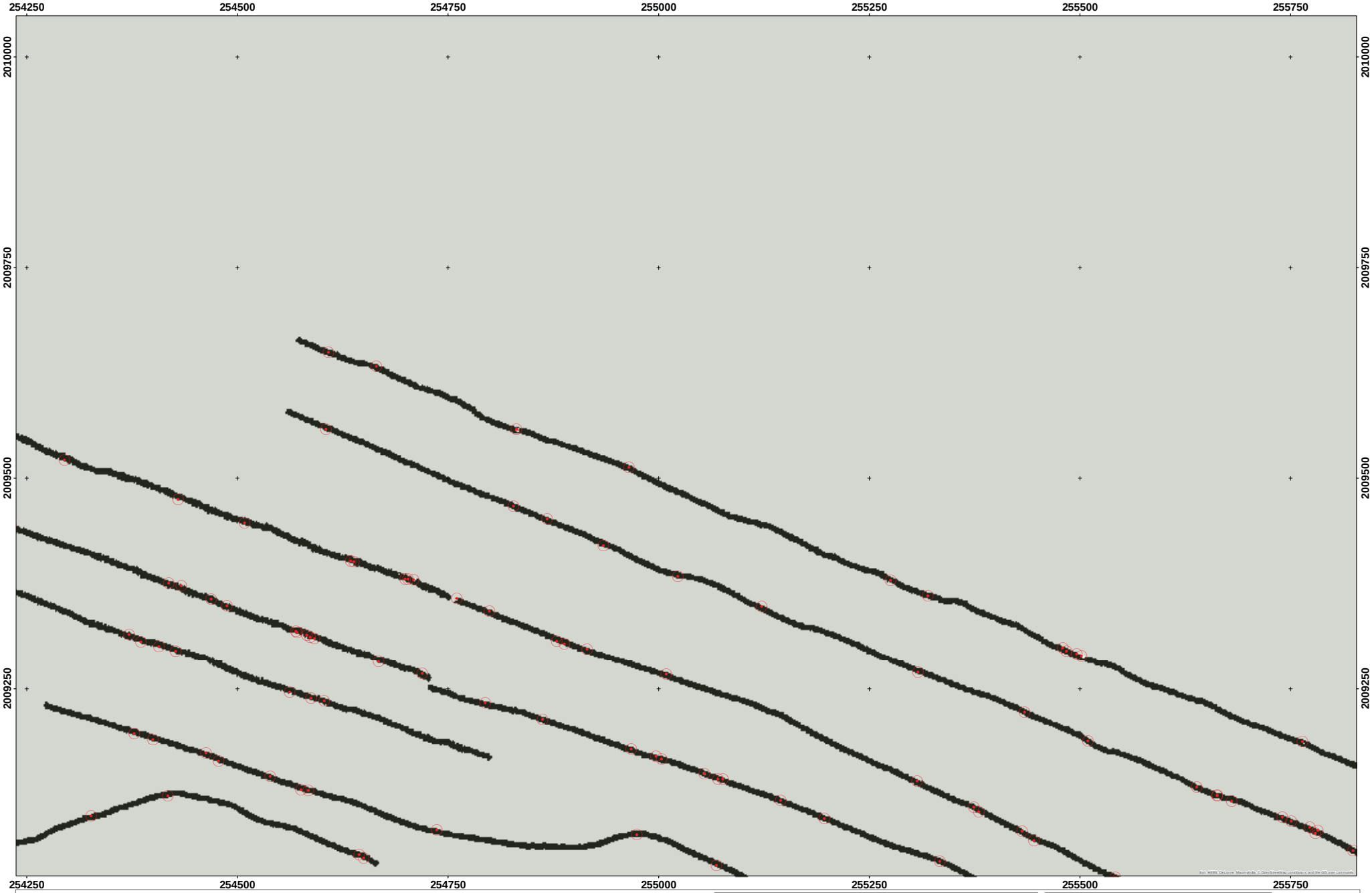
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 22

Legend

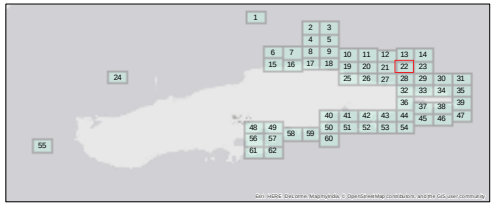
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

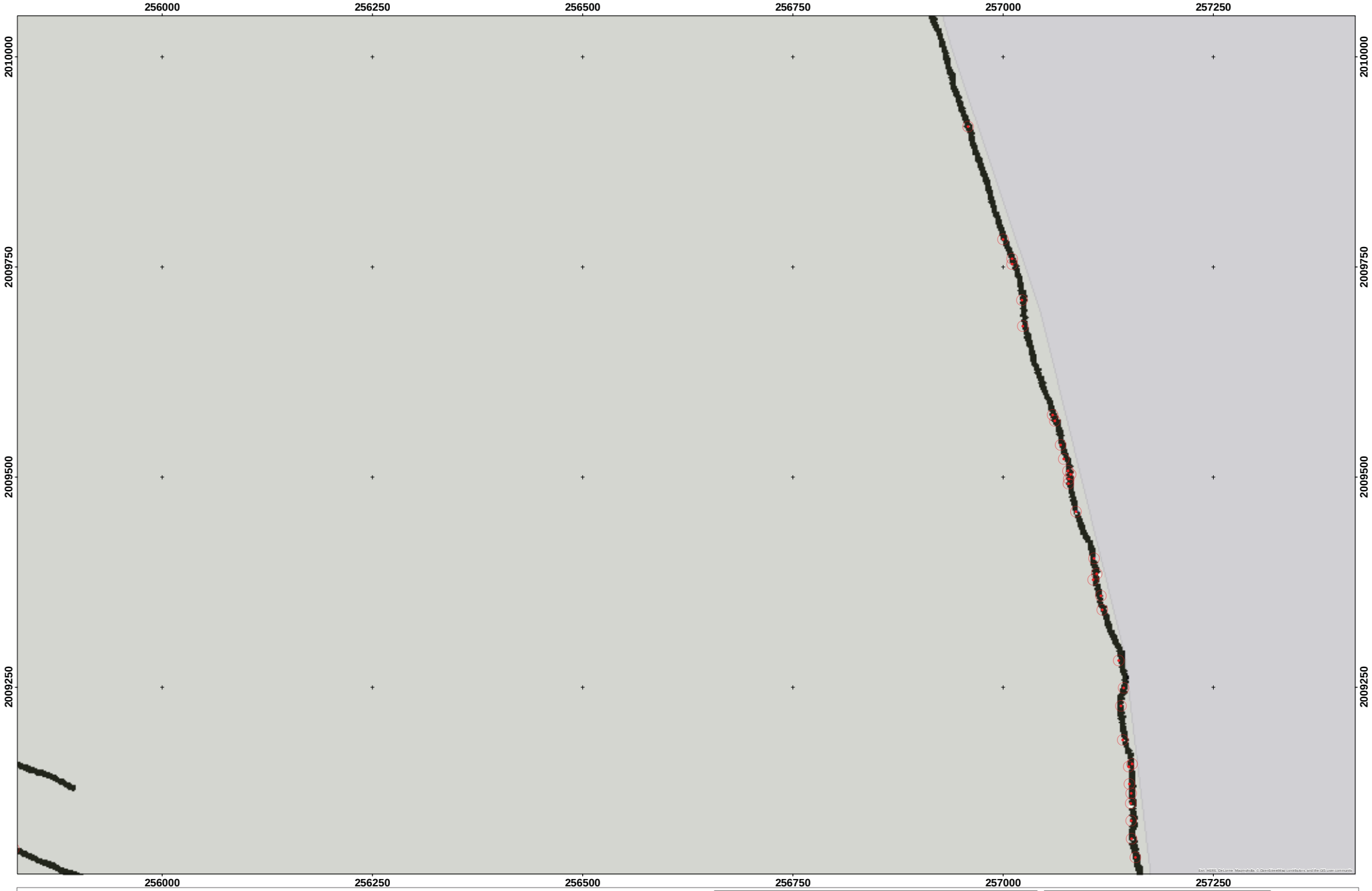
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 23

Legend

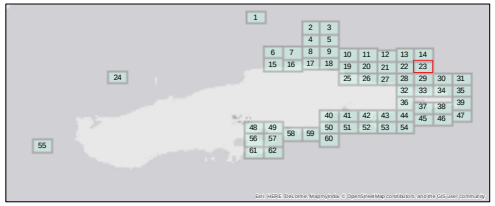
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

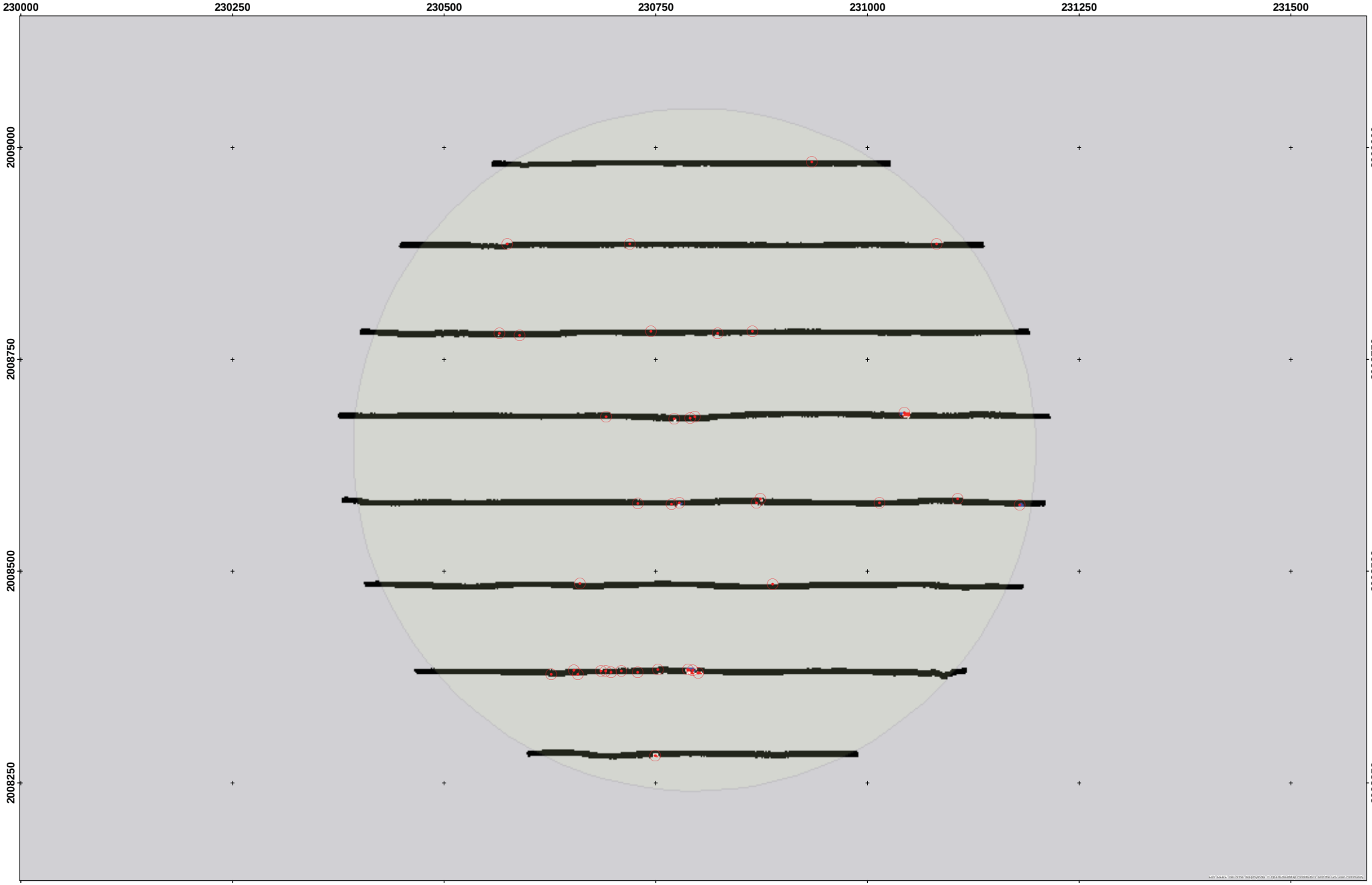
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 24

Legend

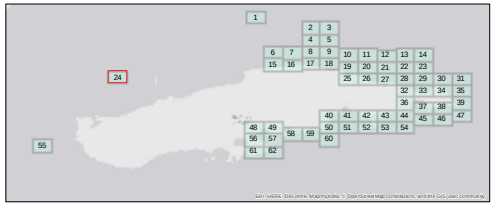
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 25

Legend

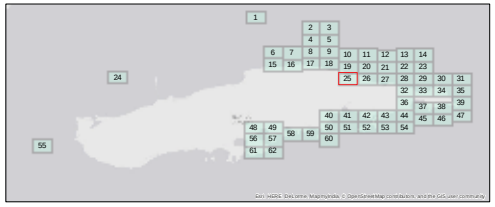
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 26

Legend

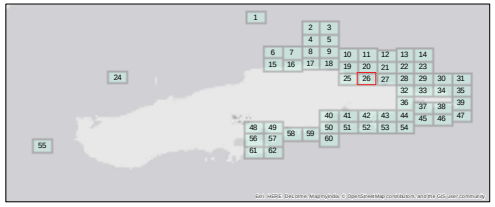
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 27

Legend

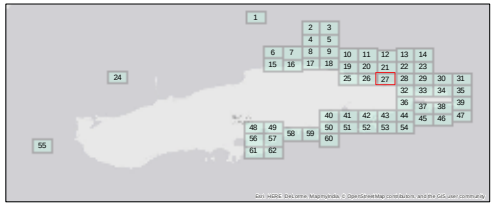
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

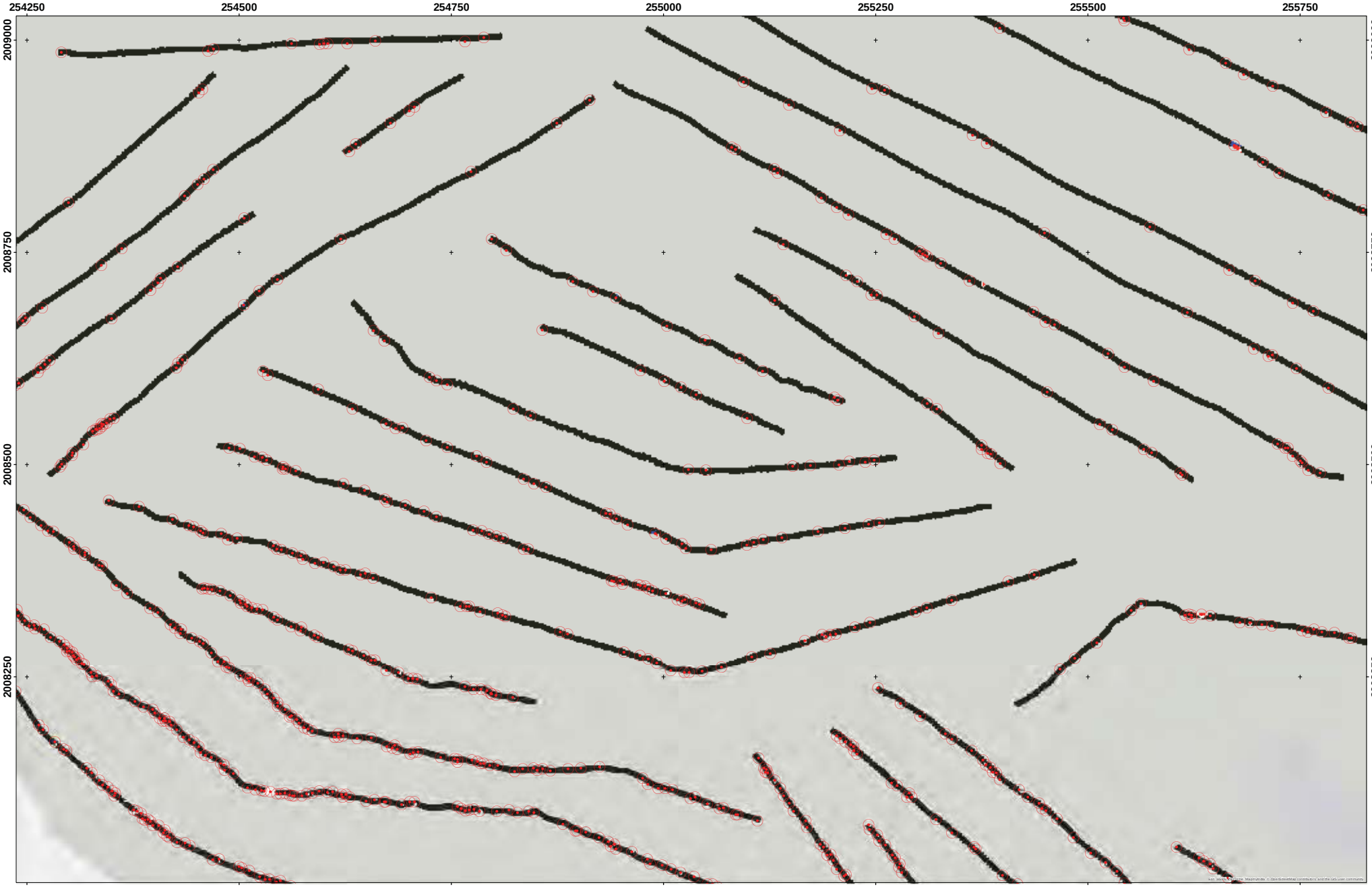
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 28

Legend

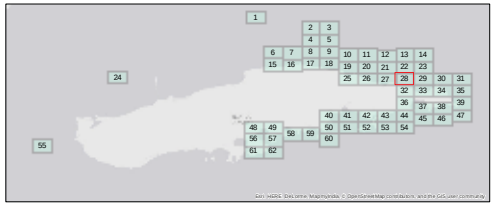
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

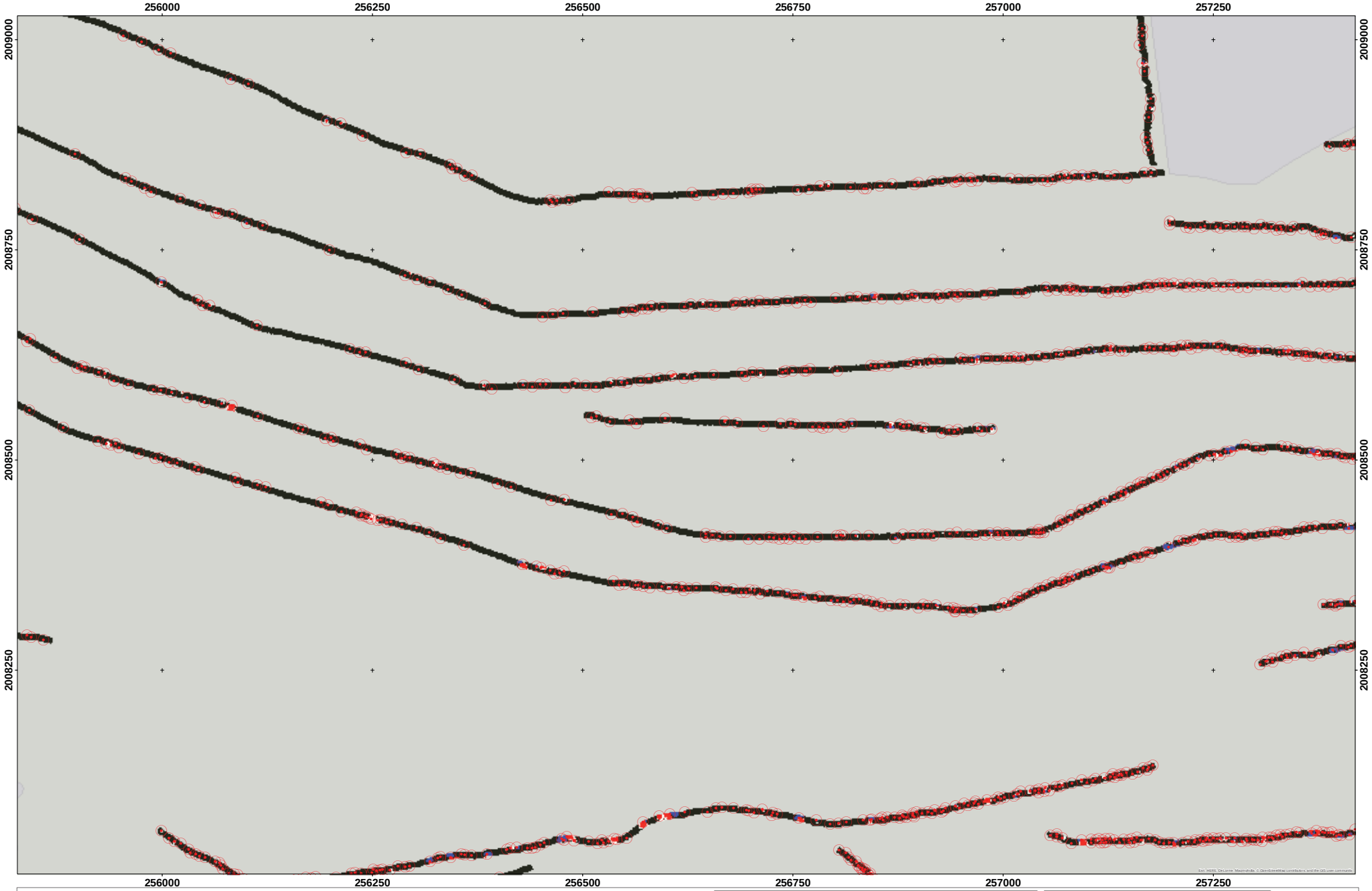
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 29

Legend

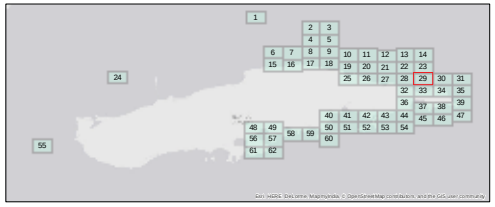
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

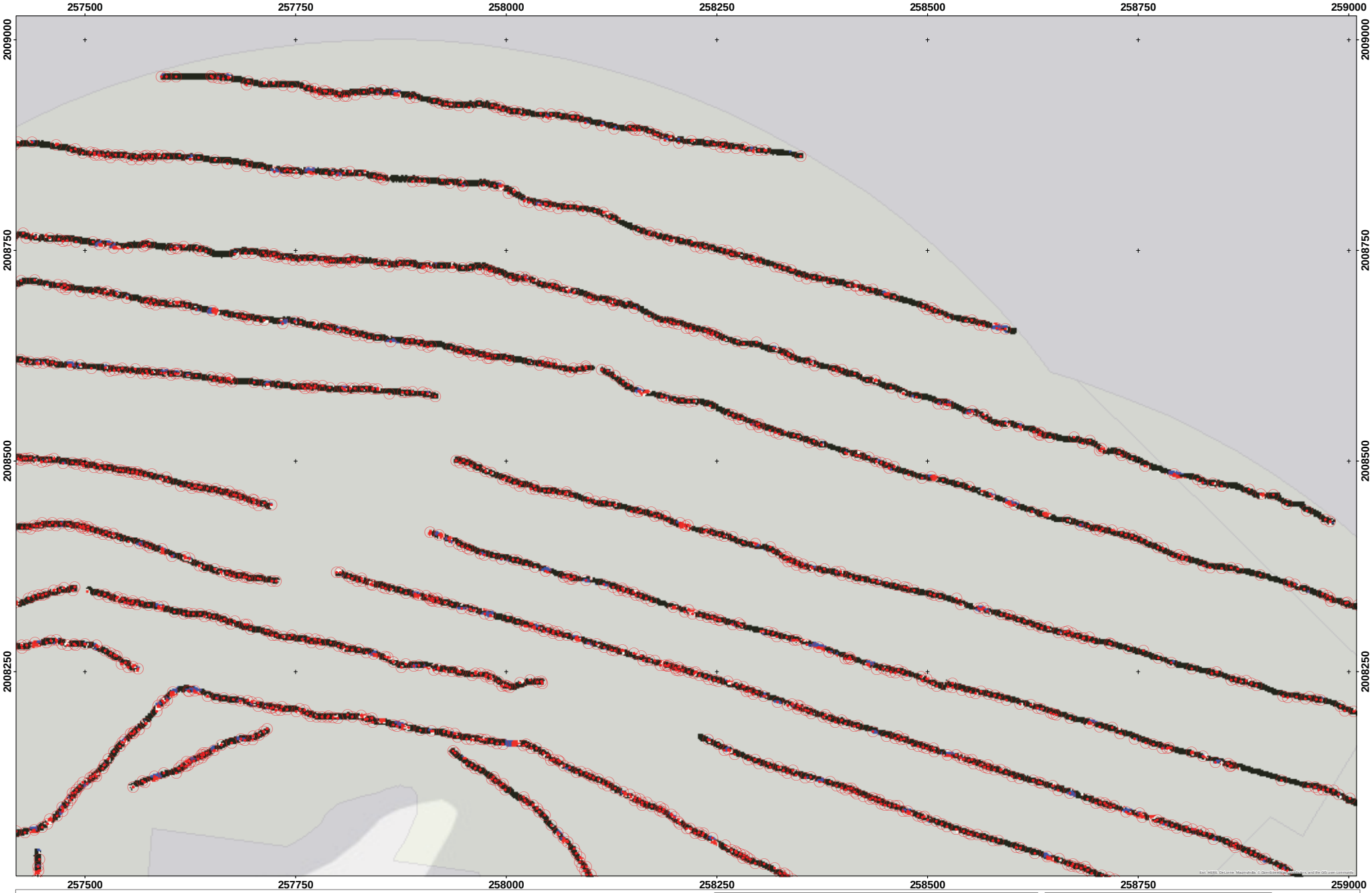
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 30

Legend

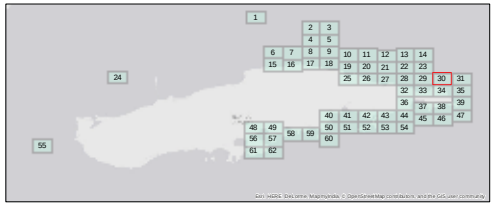
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

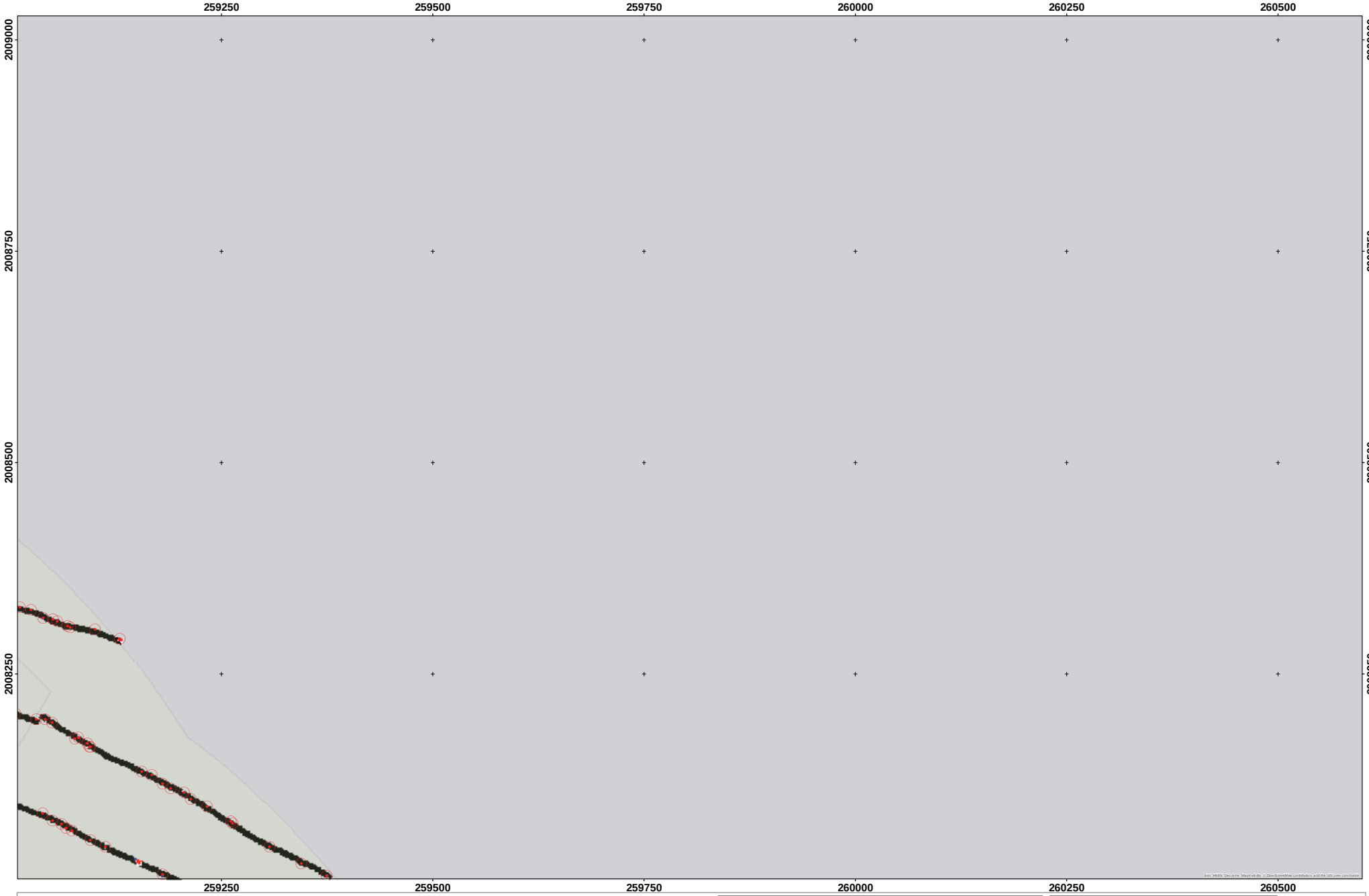
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 31

Legend

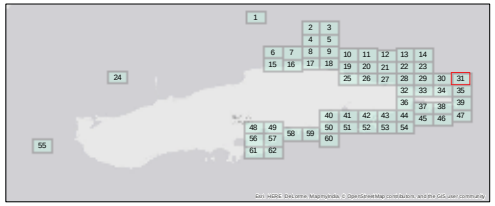
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

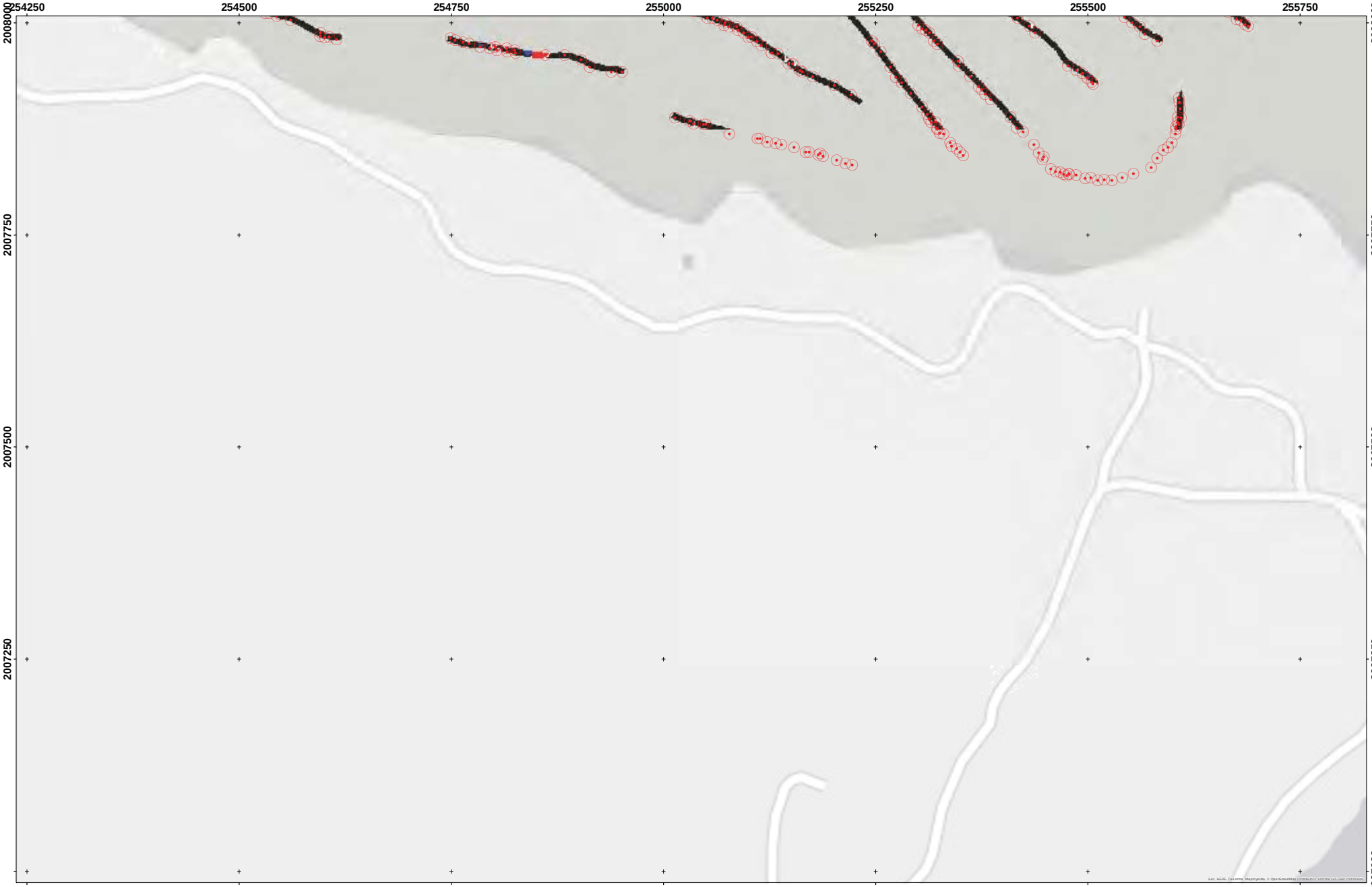
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 32

Legend

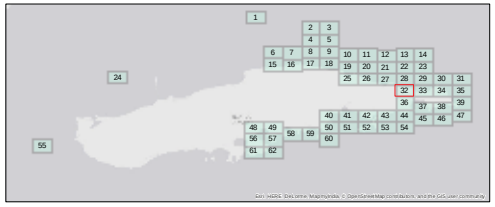
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 33

Legend

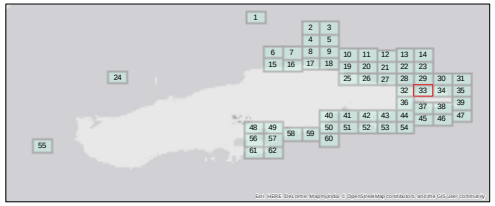
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

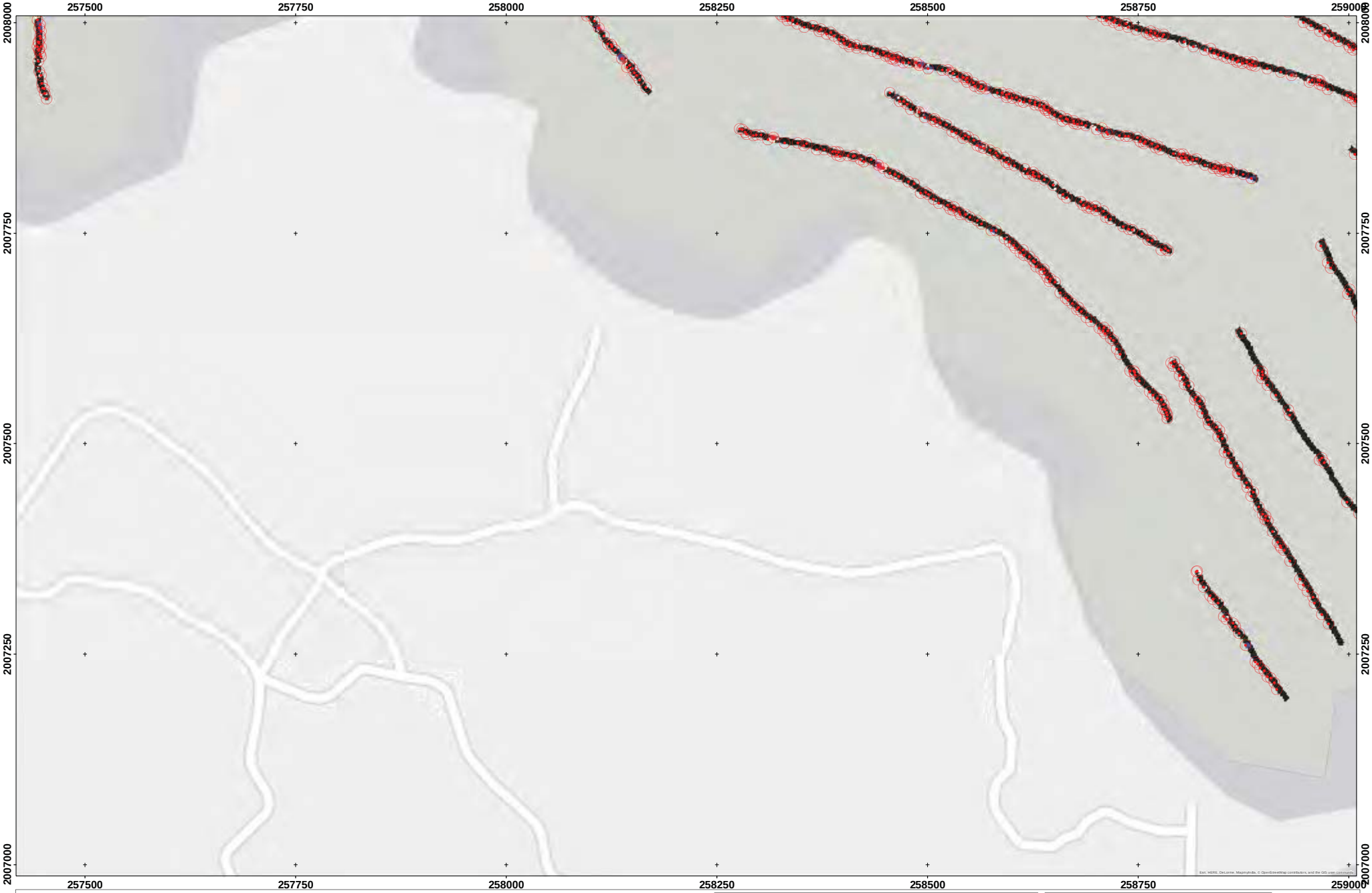
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 34

Legend

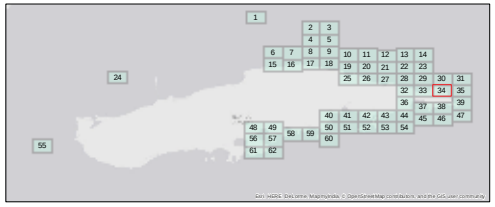
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

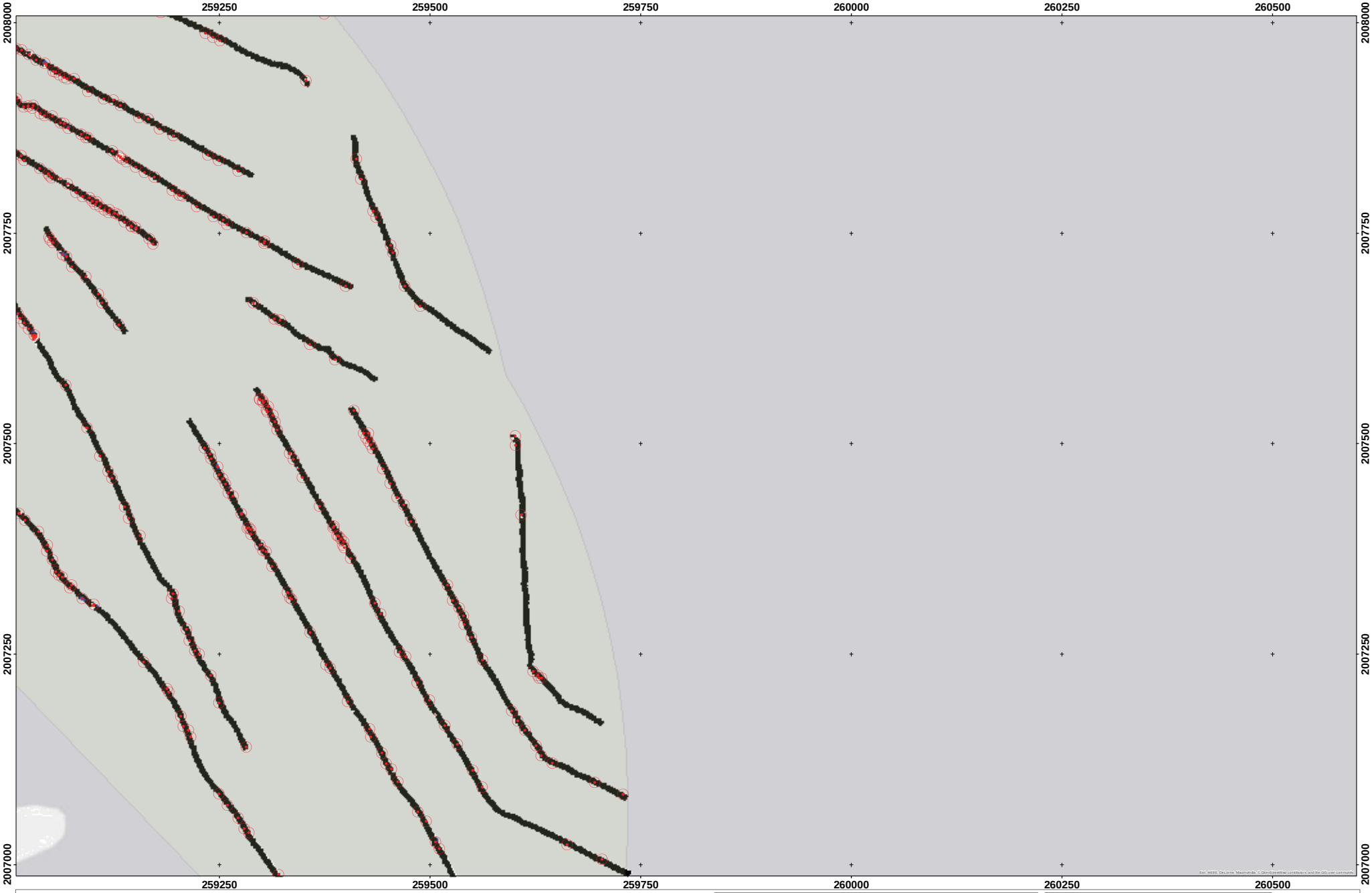
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 35

Legend

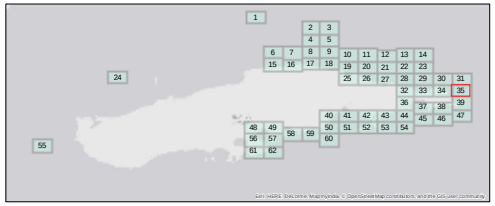
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 36

Legend

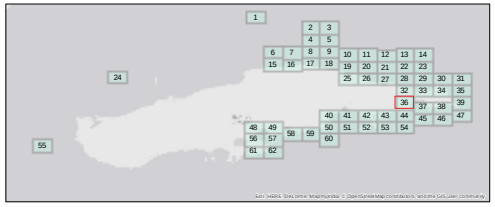
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 37

Legend

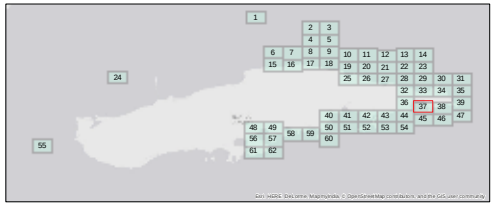
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 38

Legend

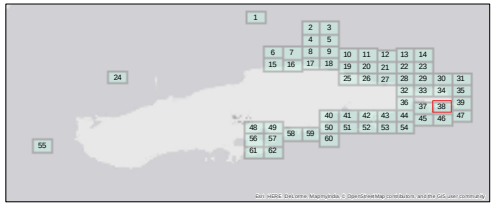
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

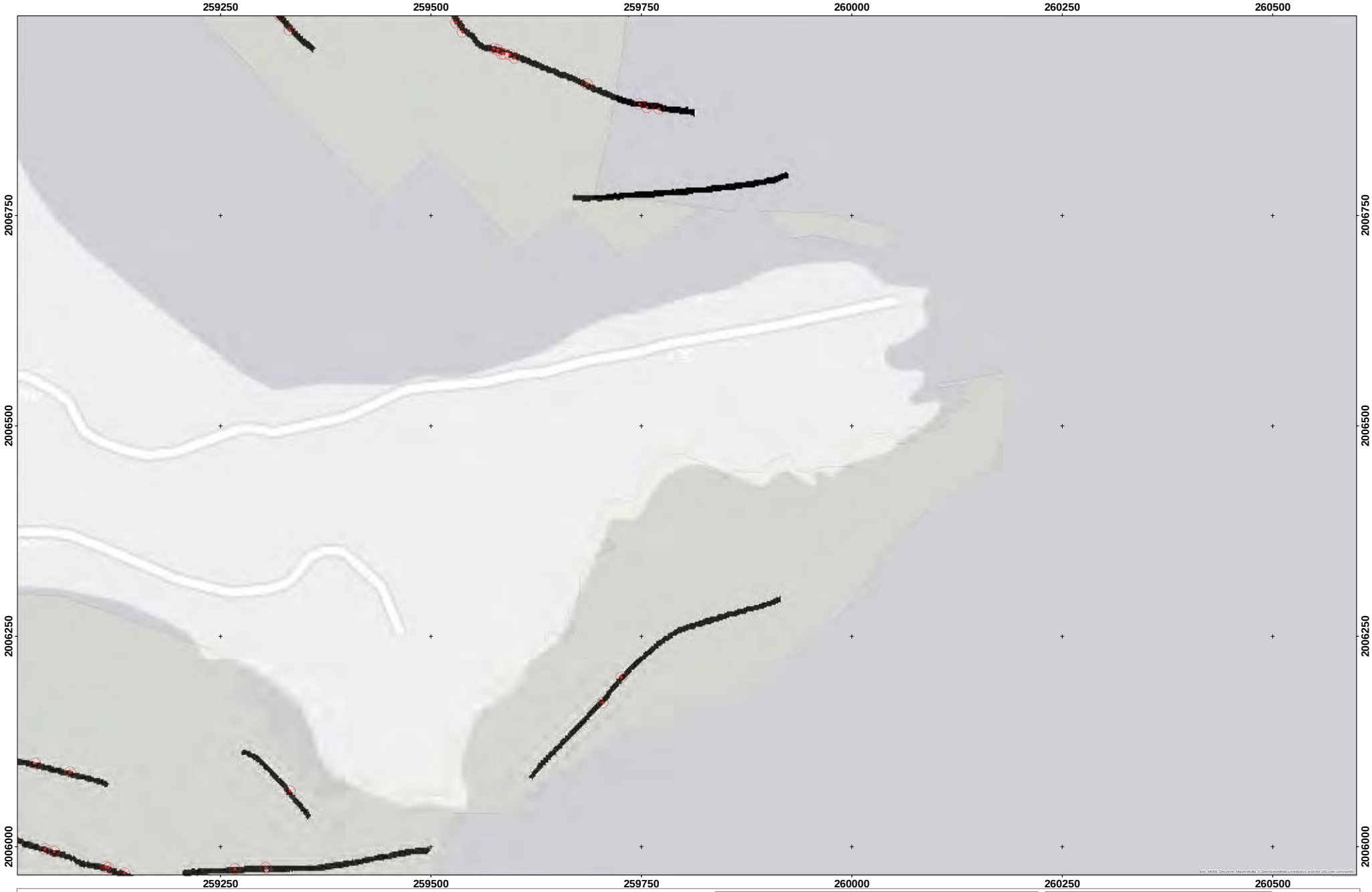
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 39

Legend

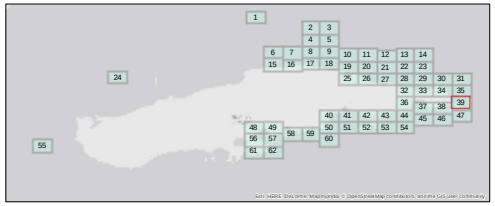
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

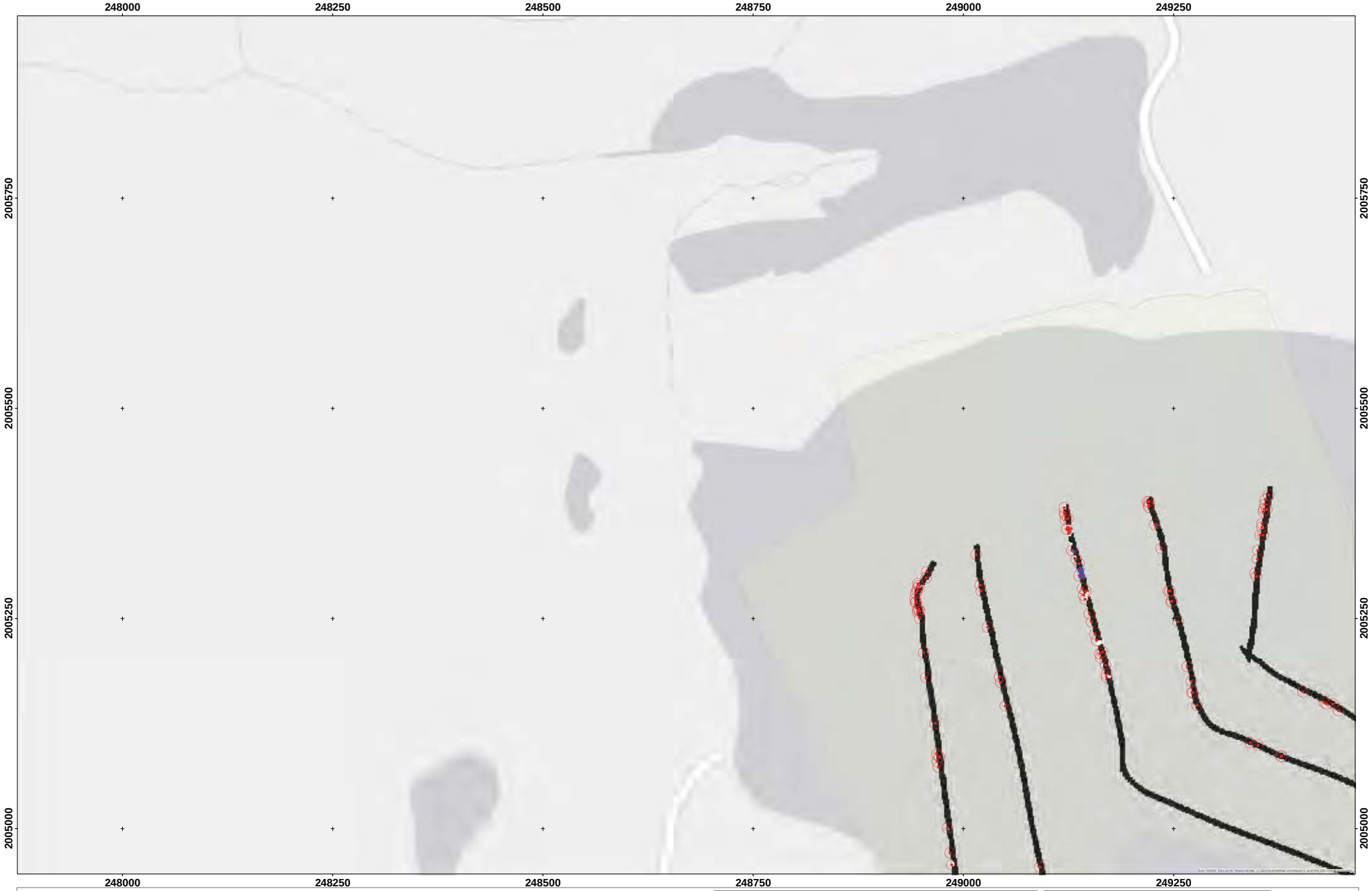
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 40

Legend

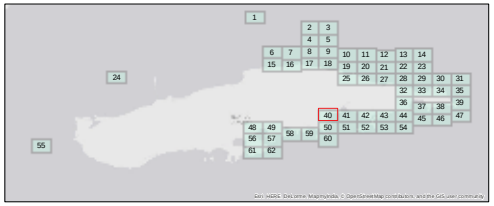
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

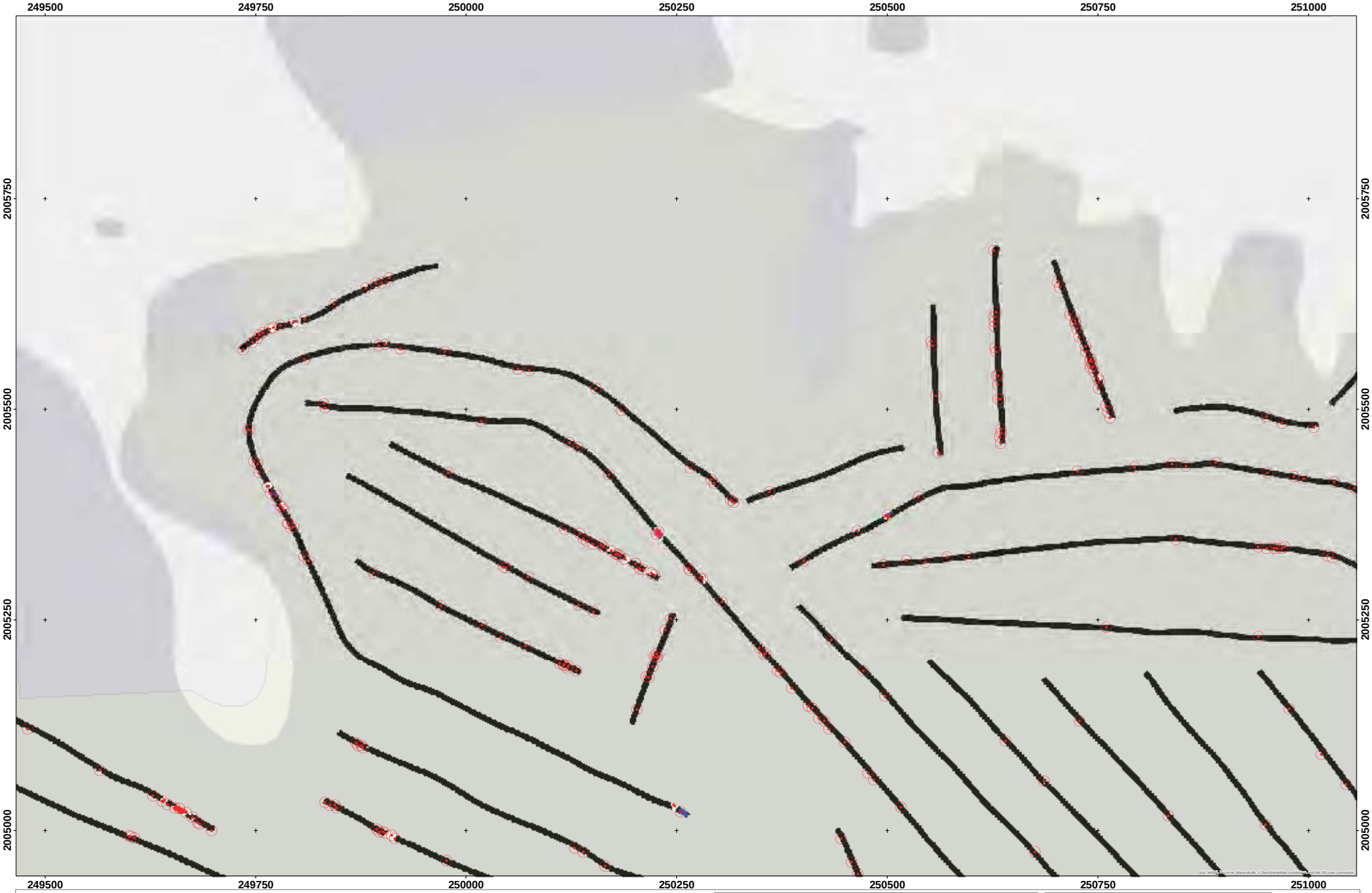
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 41

Legend

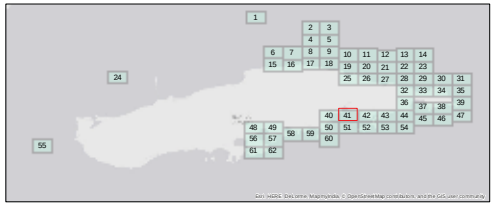
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

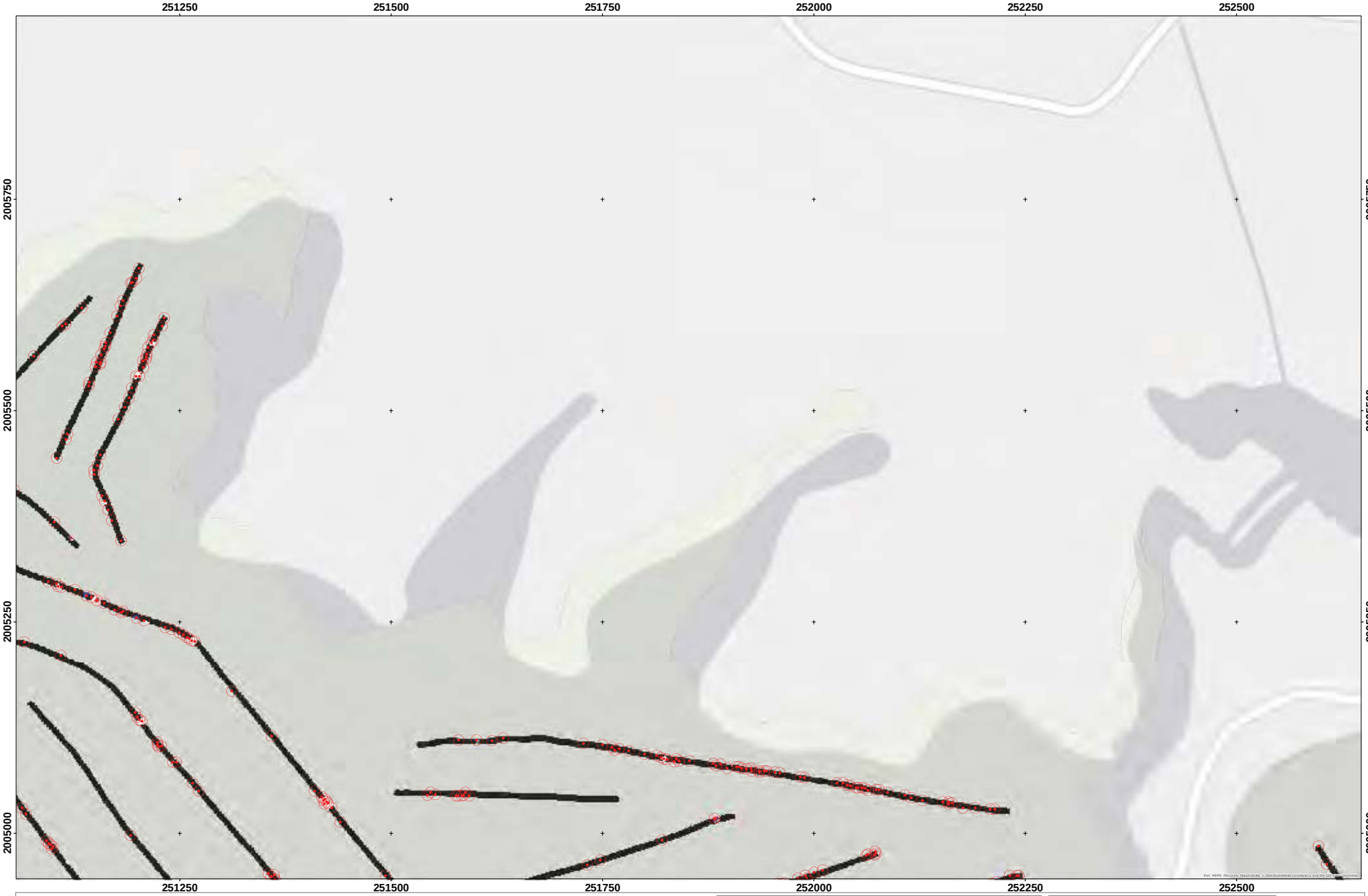
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 42

Legend

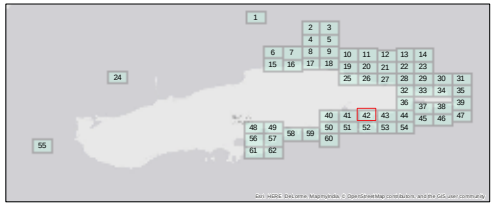
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 43

Page 43 of 62

Legend

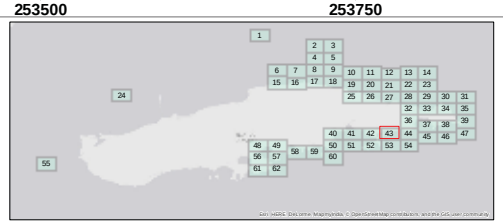
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

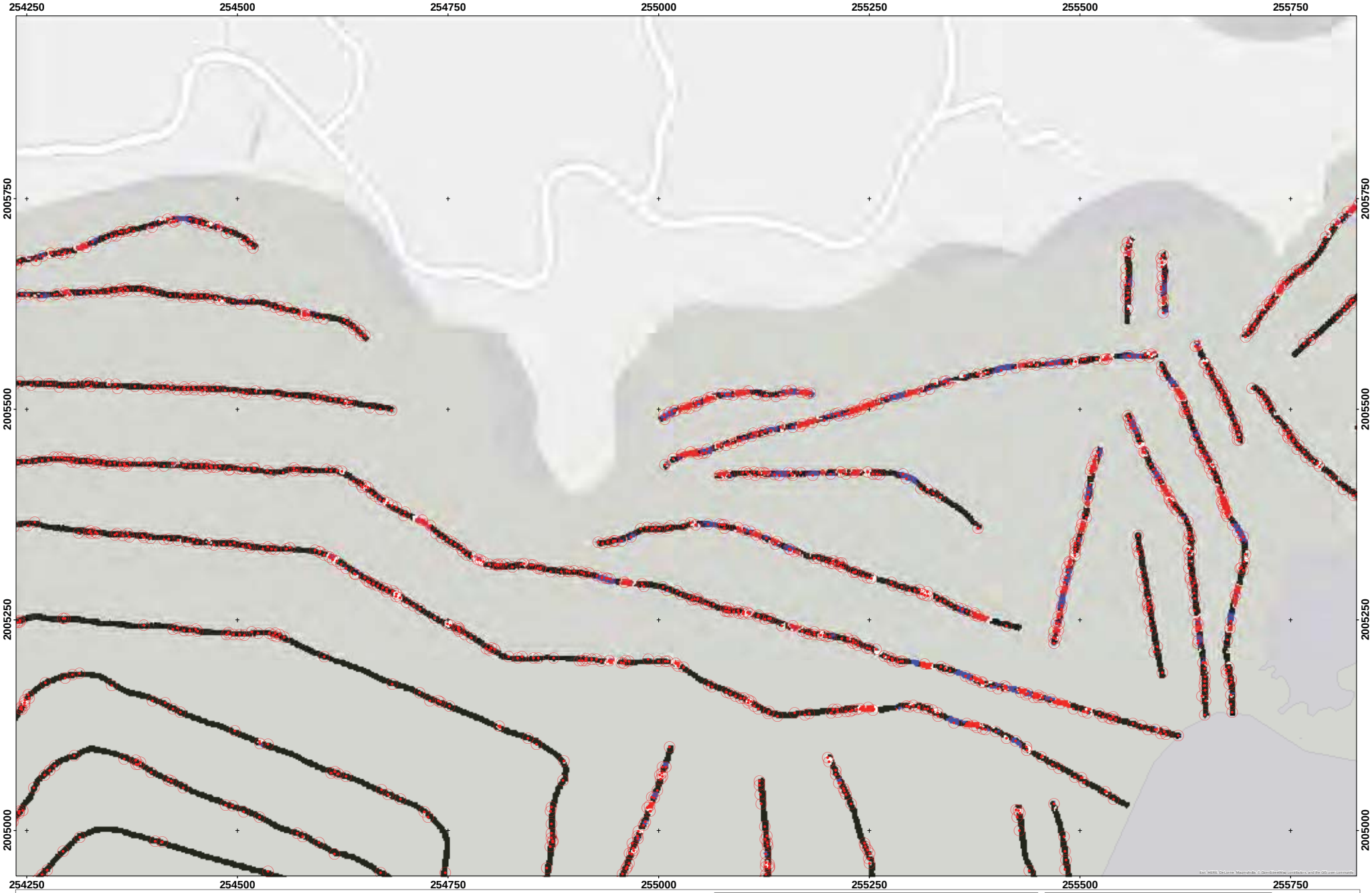
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 44

Legend

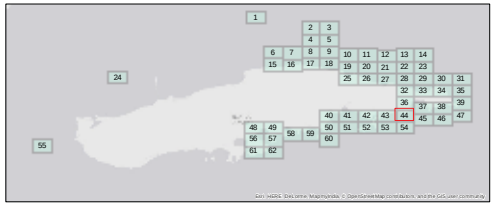
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

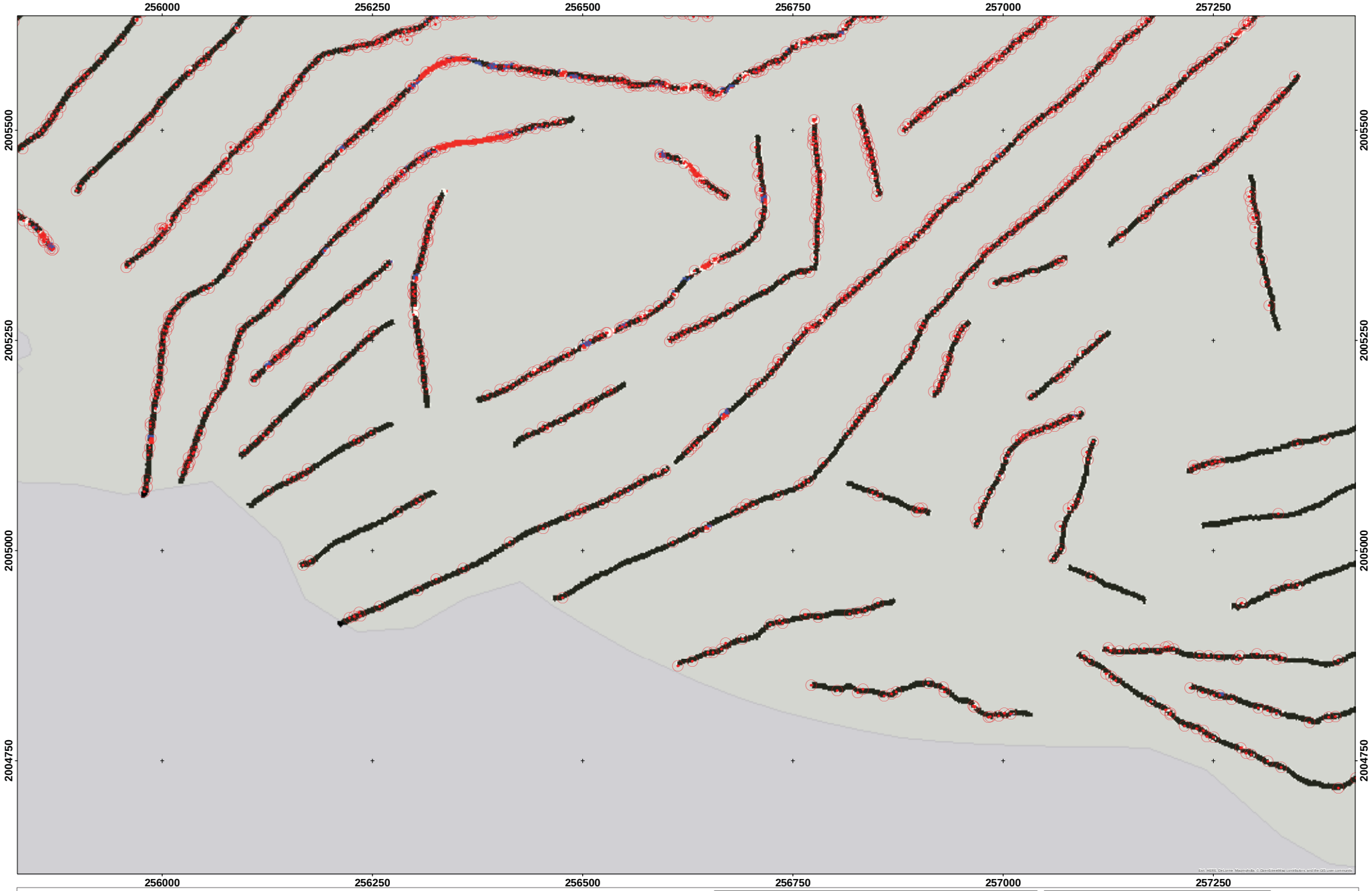
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 45

Legend

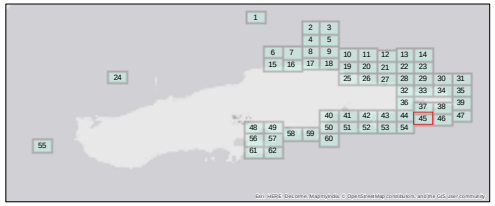
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

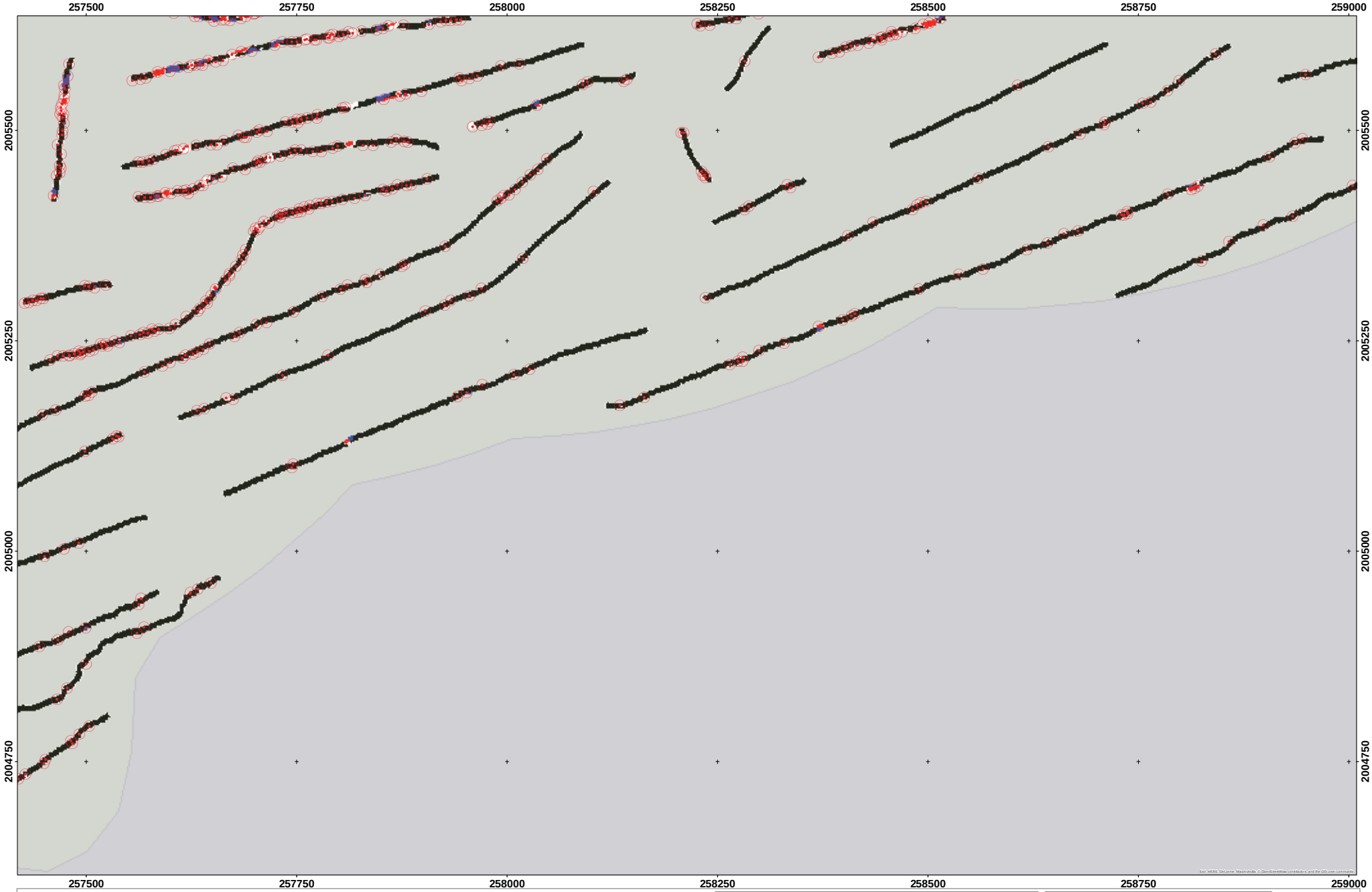
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 46

Legend

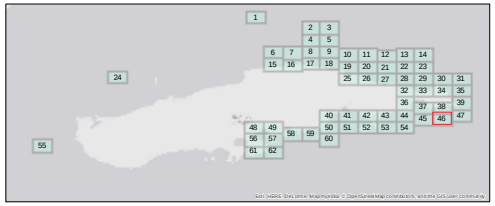
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

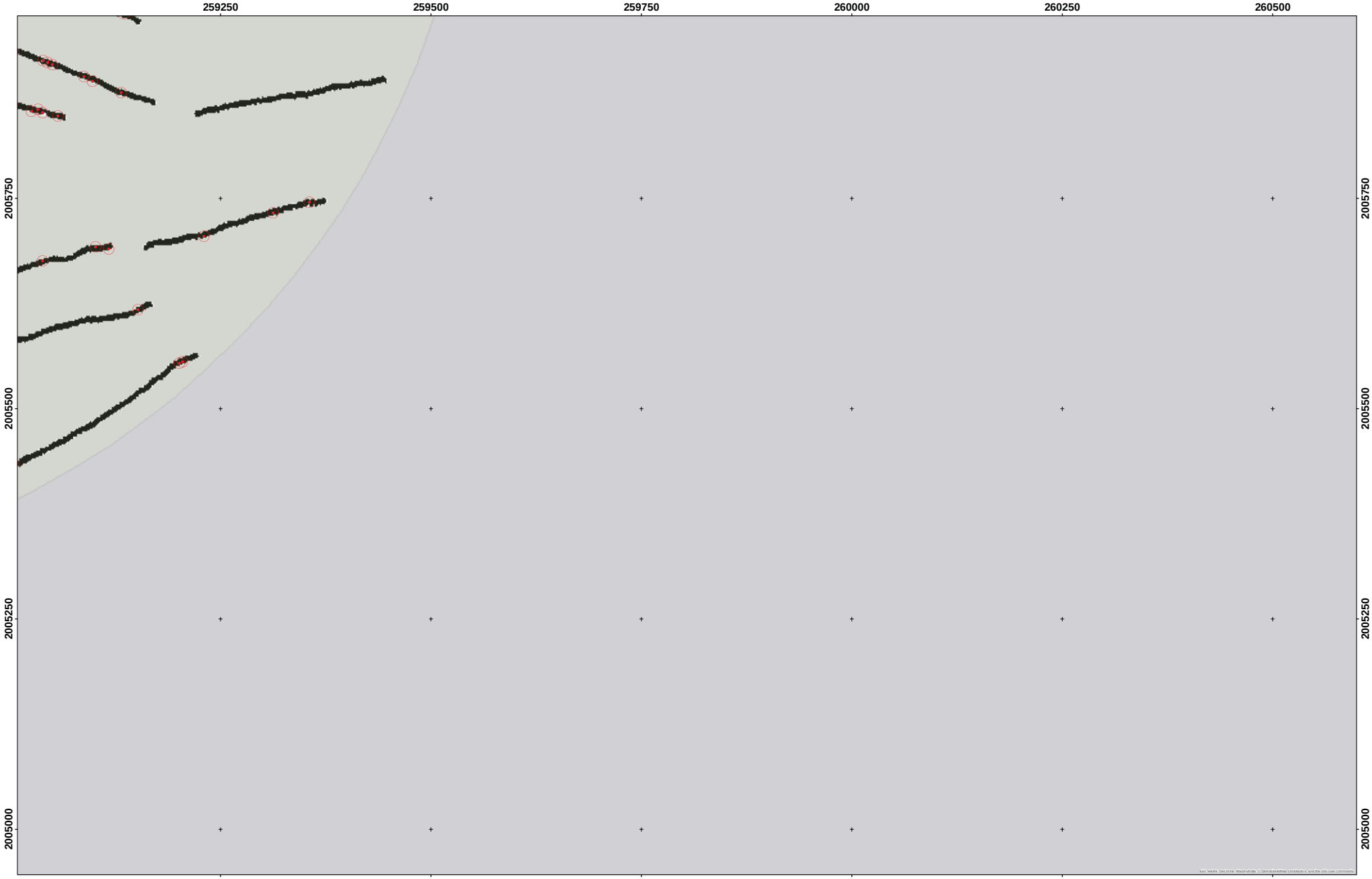
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 47

Legend

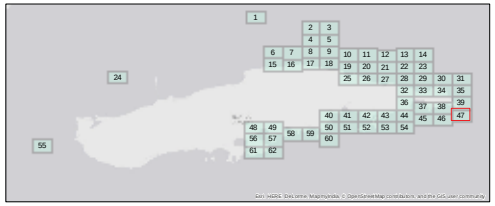
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

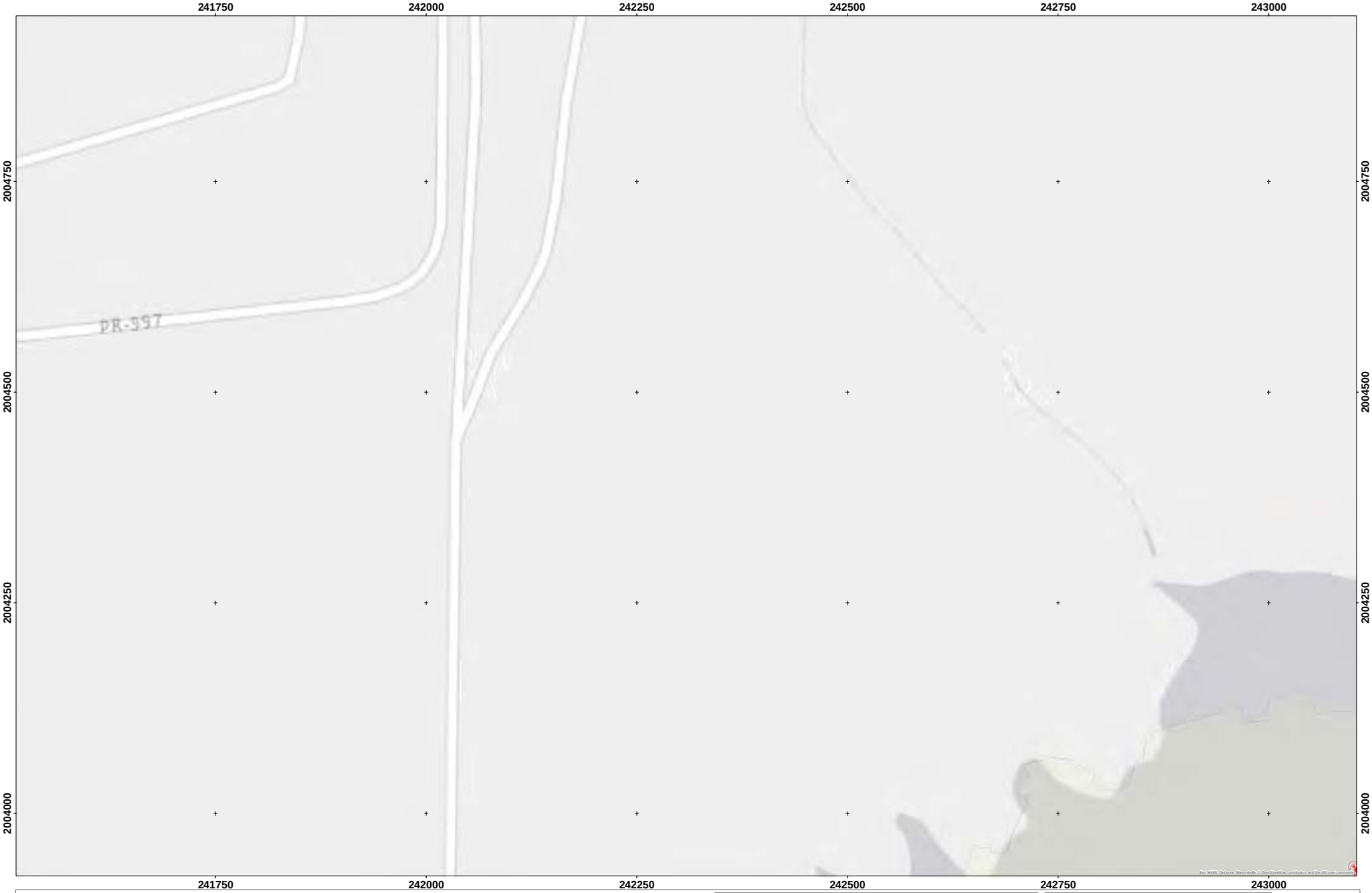
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 48

Page 48 of 62

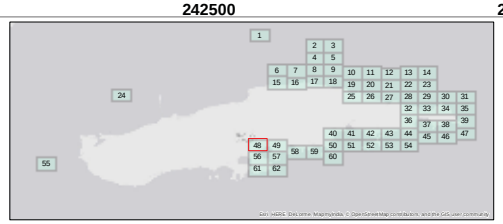
Legend

- EM Anomalies
- Survey Area

Note:

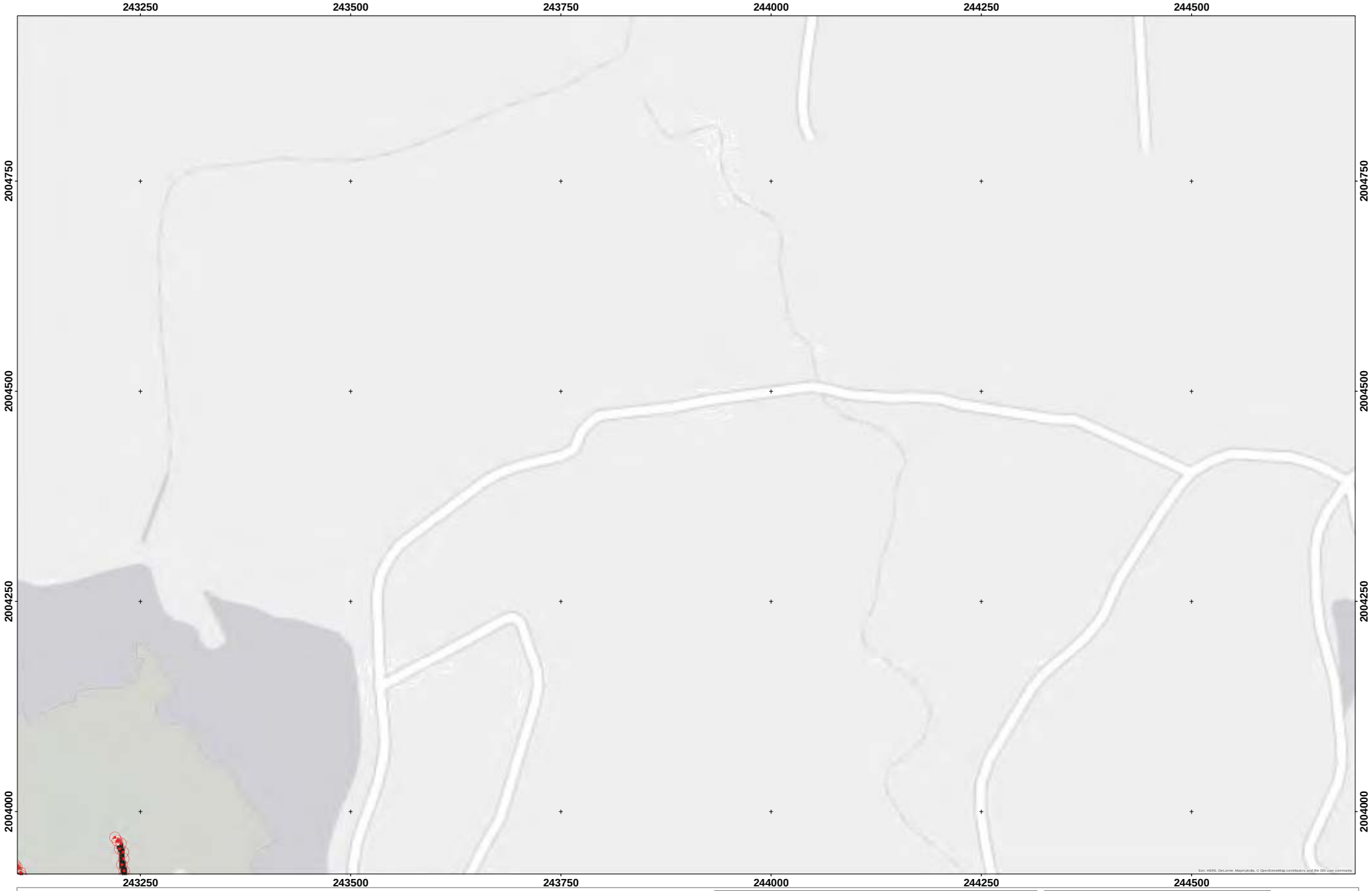
Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 49

Legend

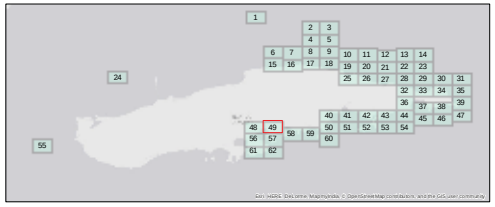
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

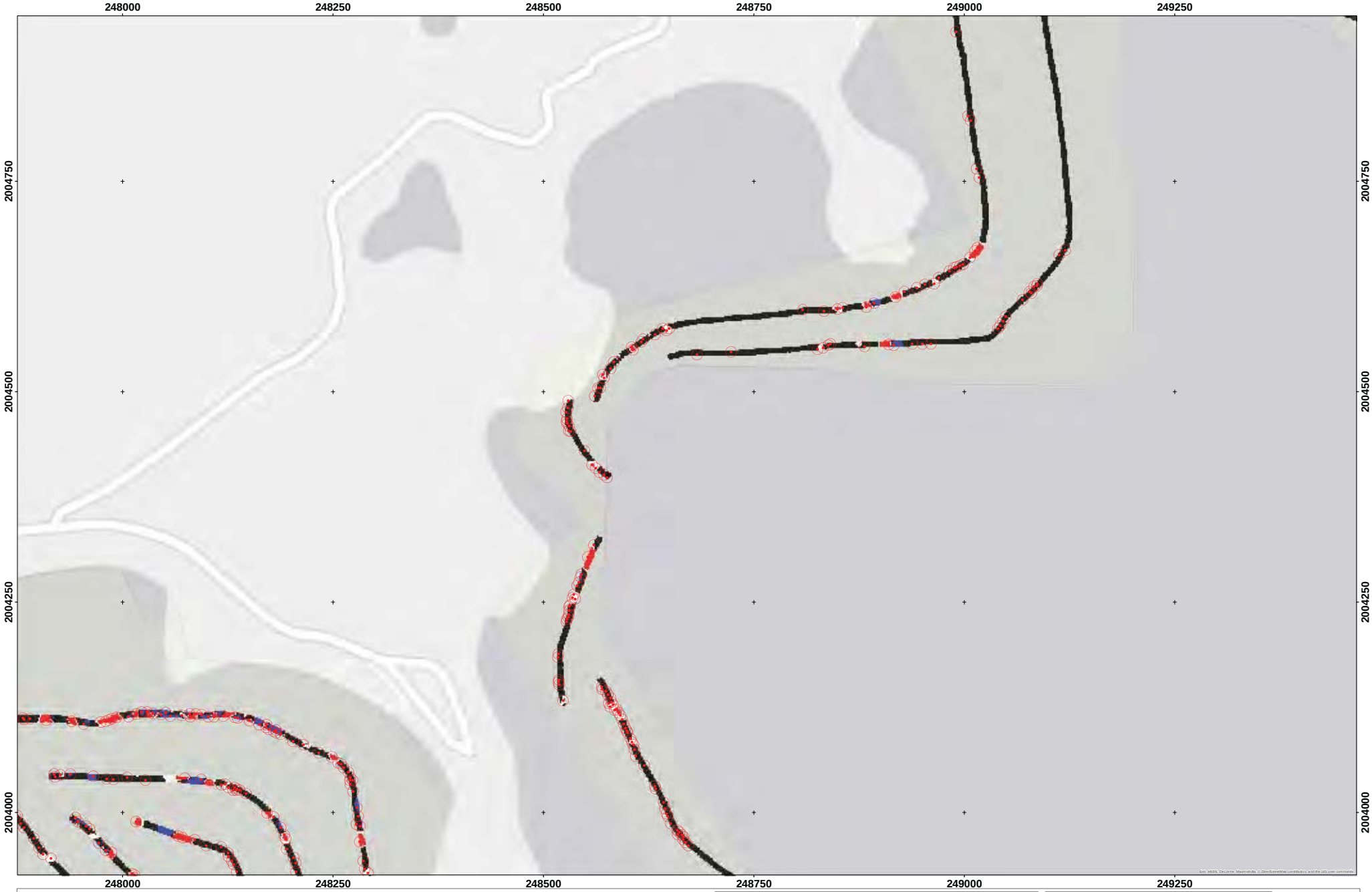
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 50

Page 50 of 62

Legend

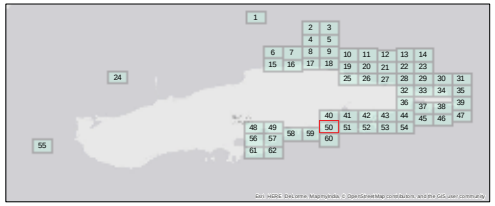
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

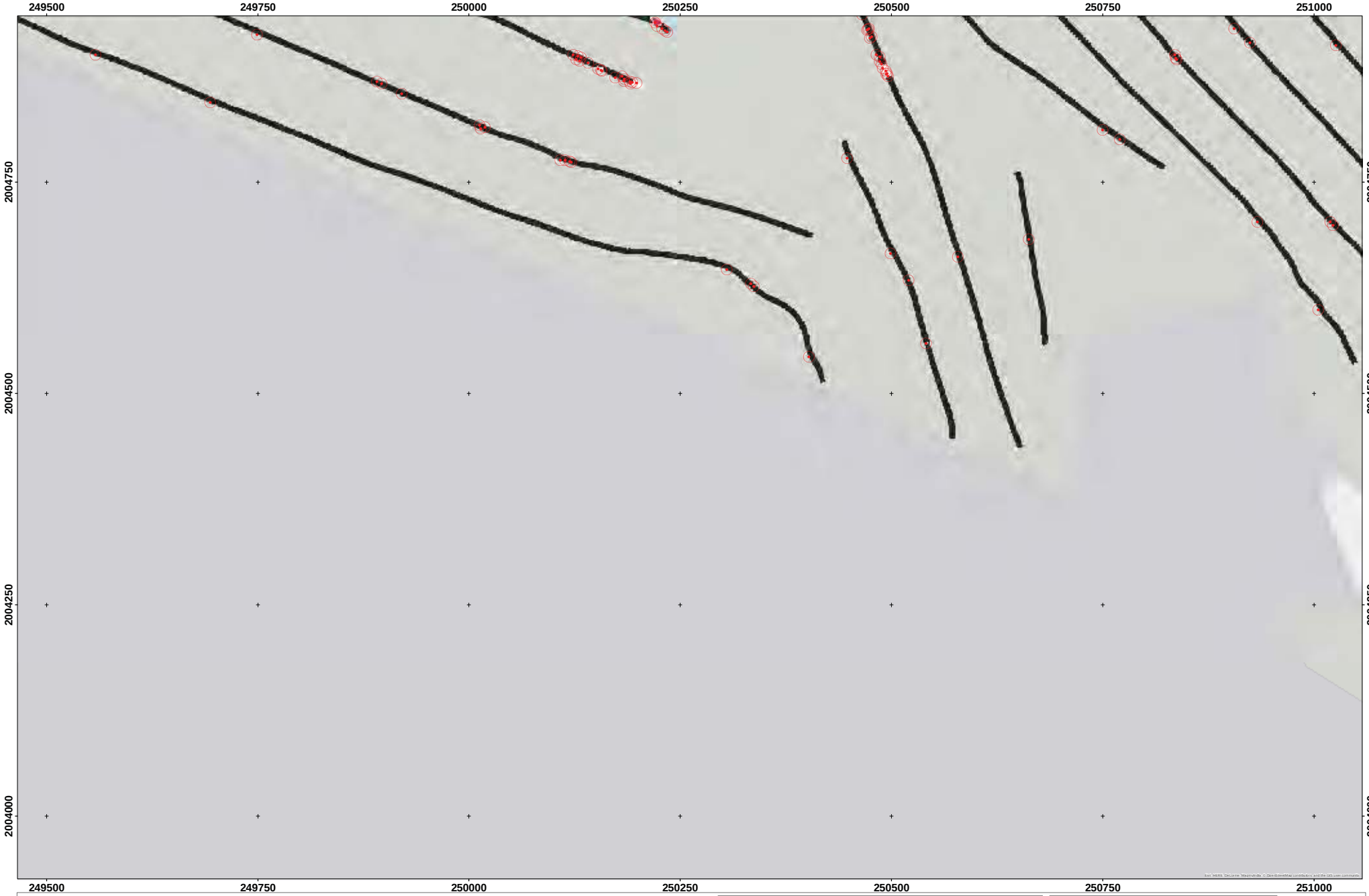
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 51

Legend

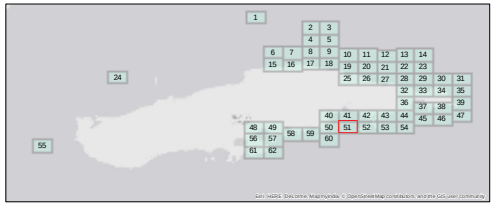
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

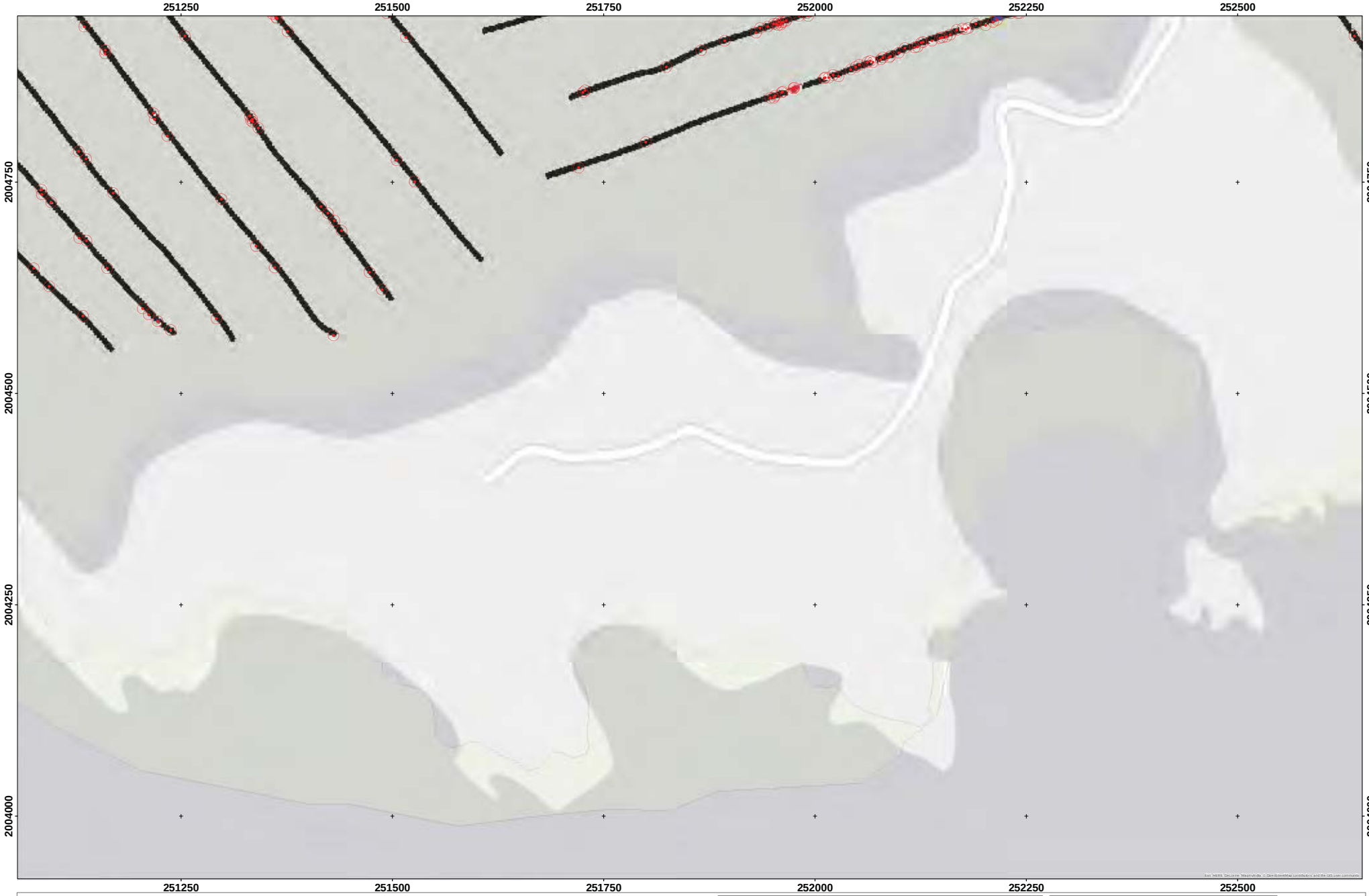
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 52

Legend

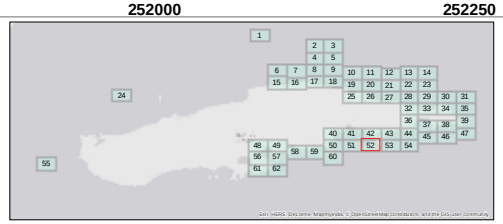
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

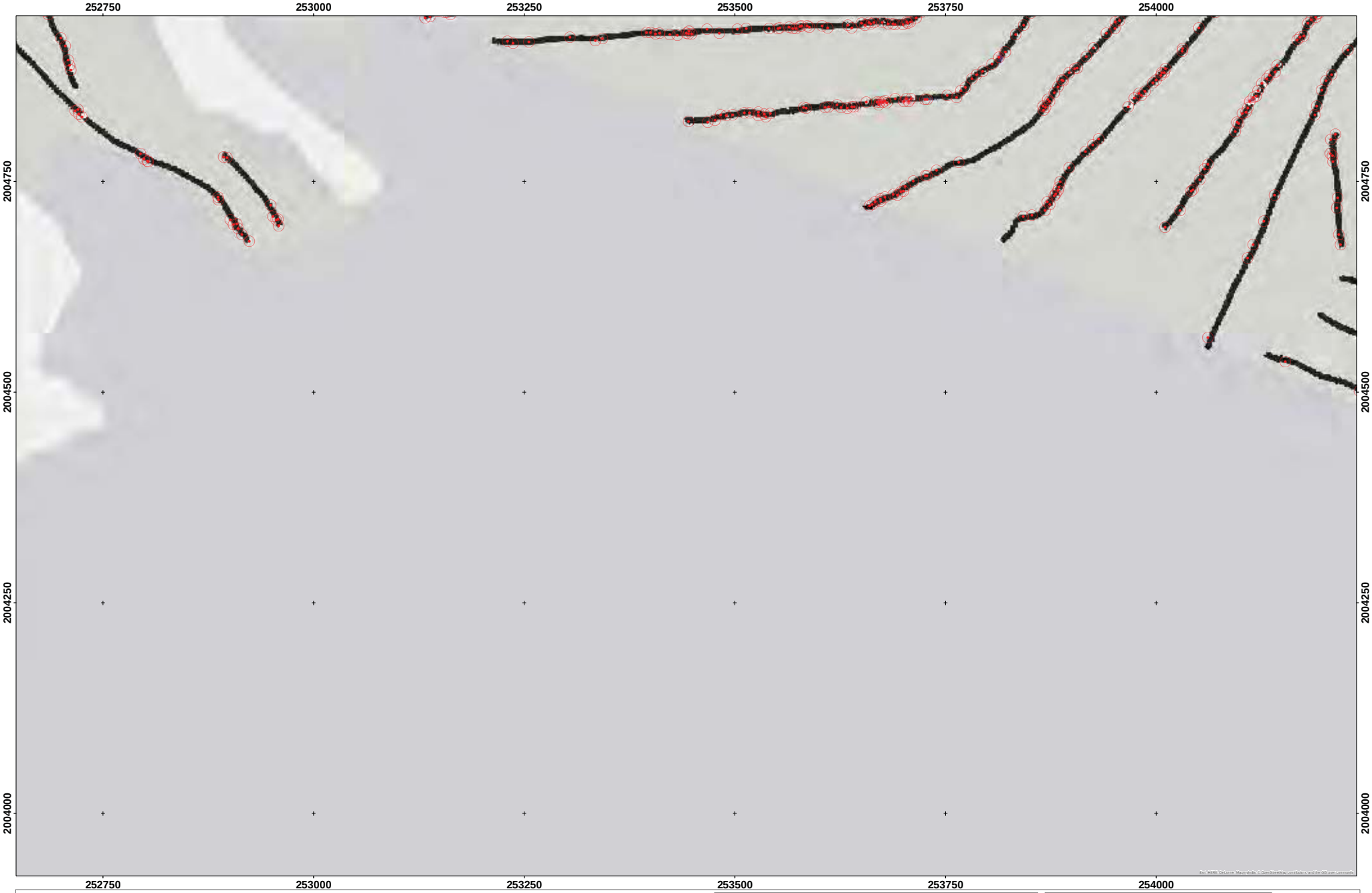
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 53

Page 53 of 62

Legend

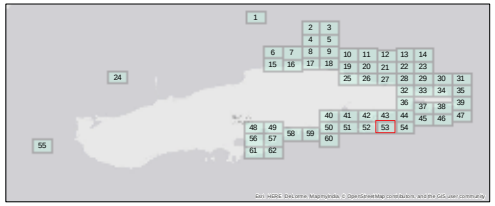
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 54

Legend

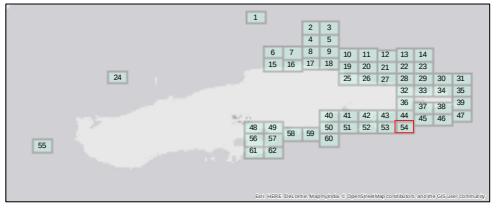
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

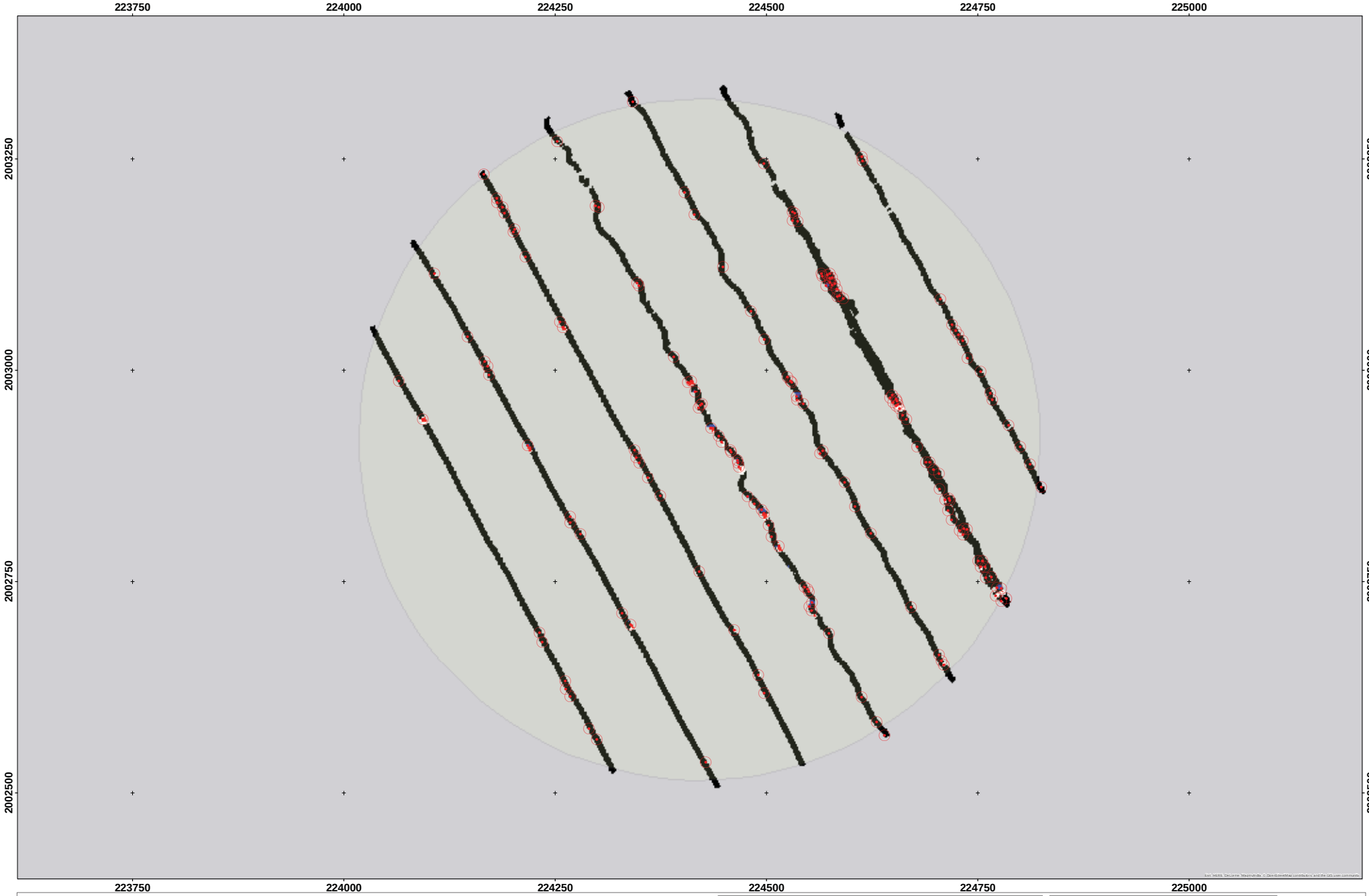
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 55

Legend

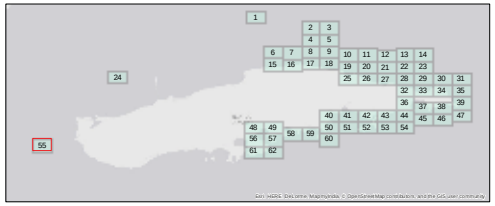
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

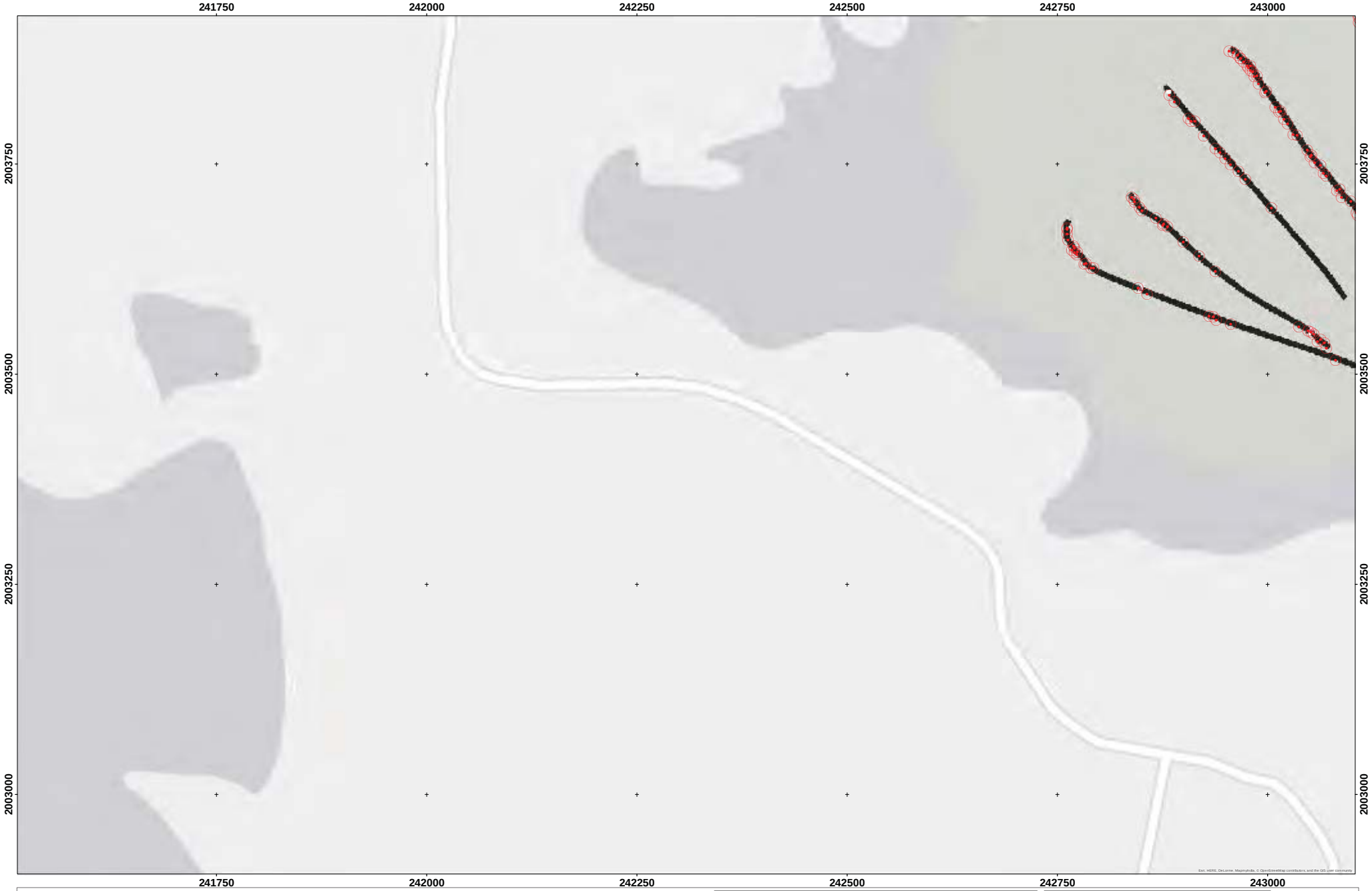
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 56

Legend

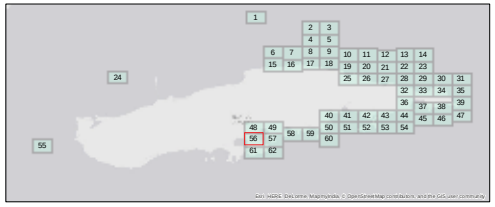
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

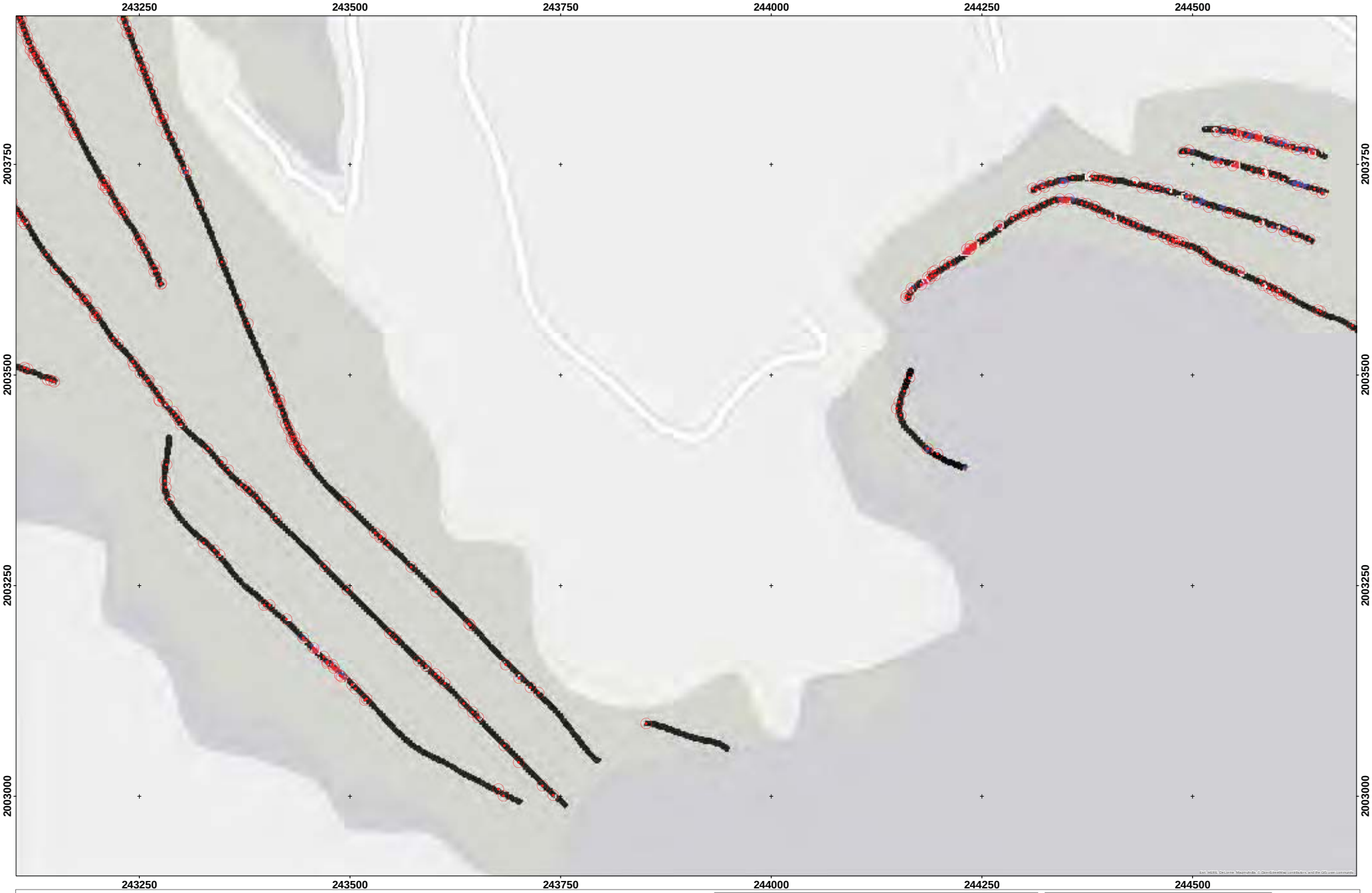
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 57

Legend

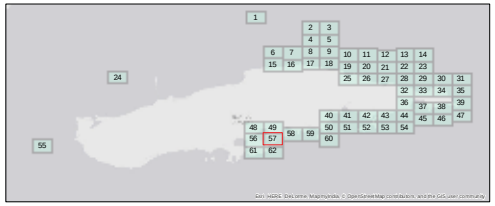
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

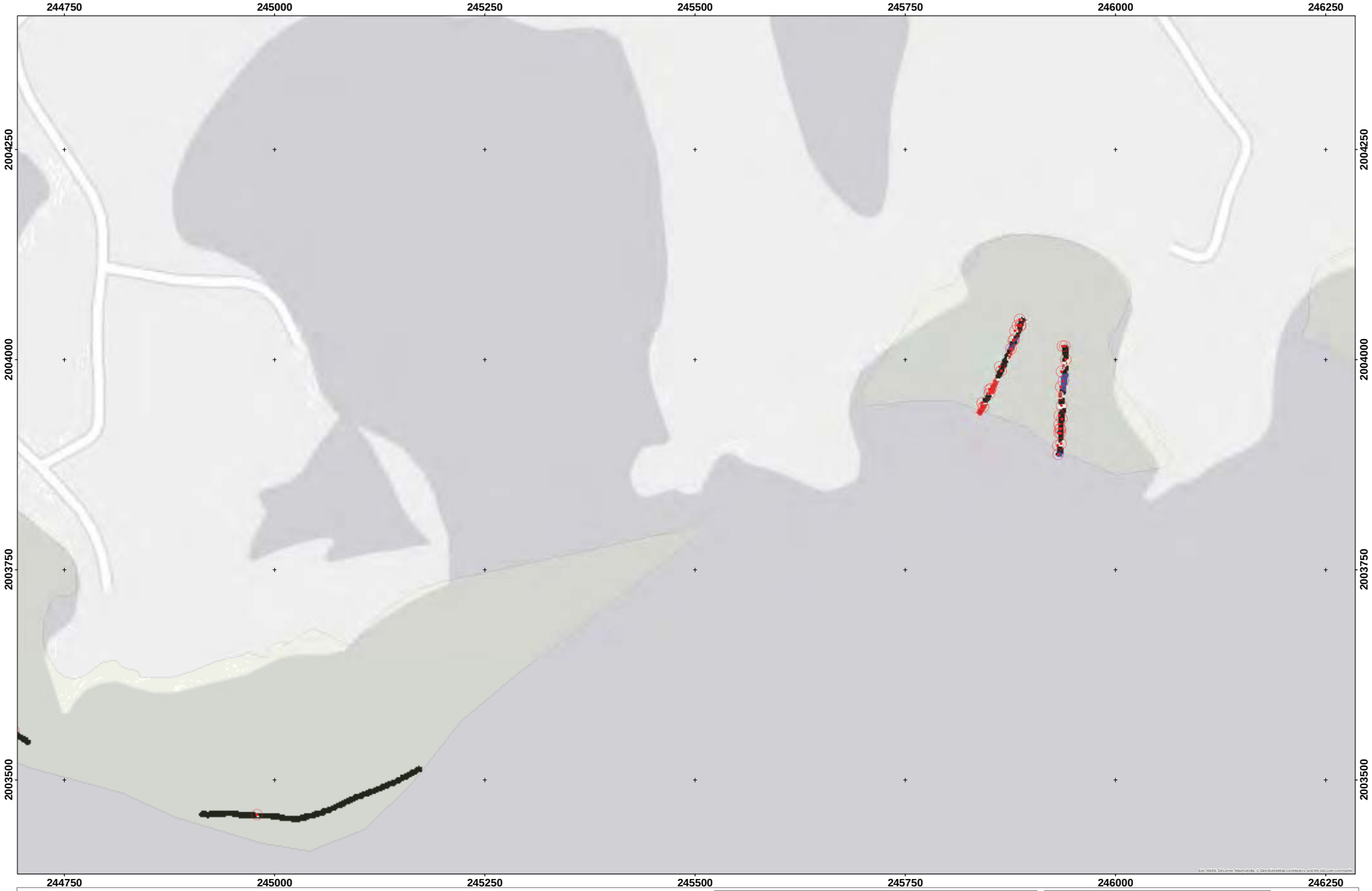
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 58

Legend

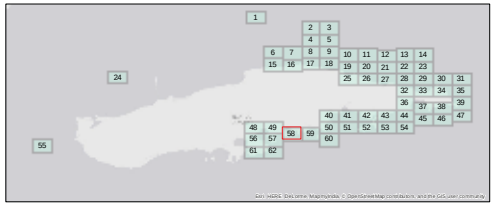
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

WAA 16

EM Anomaly Map 59

Legend

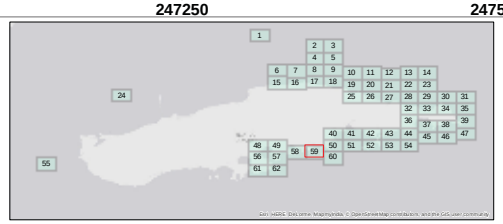
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

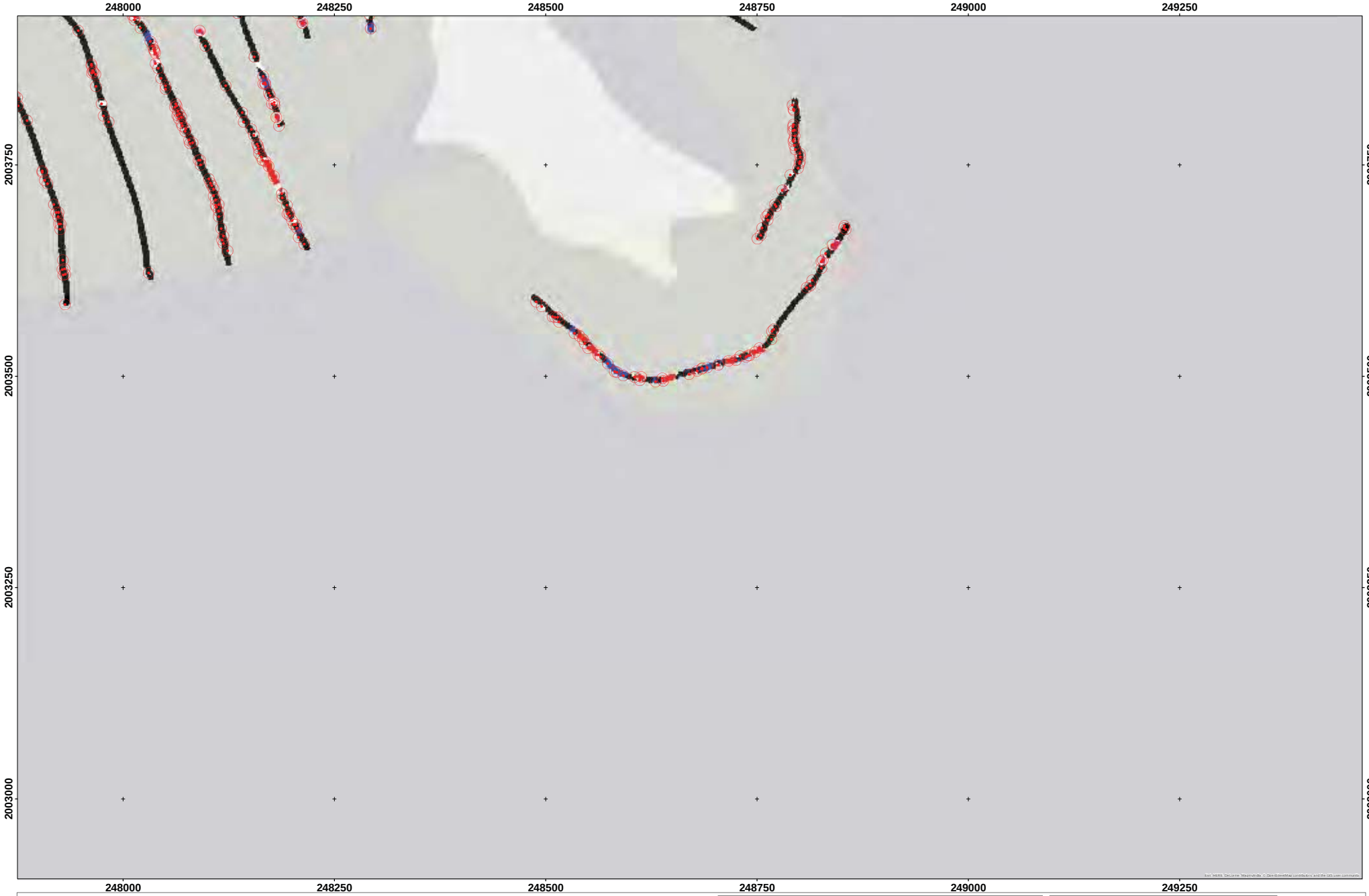
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 60

Legend

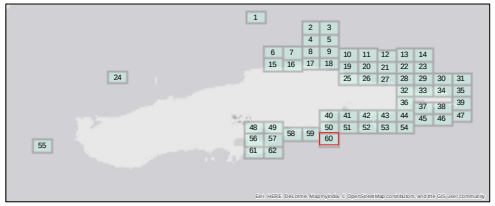
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

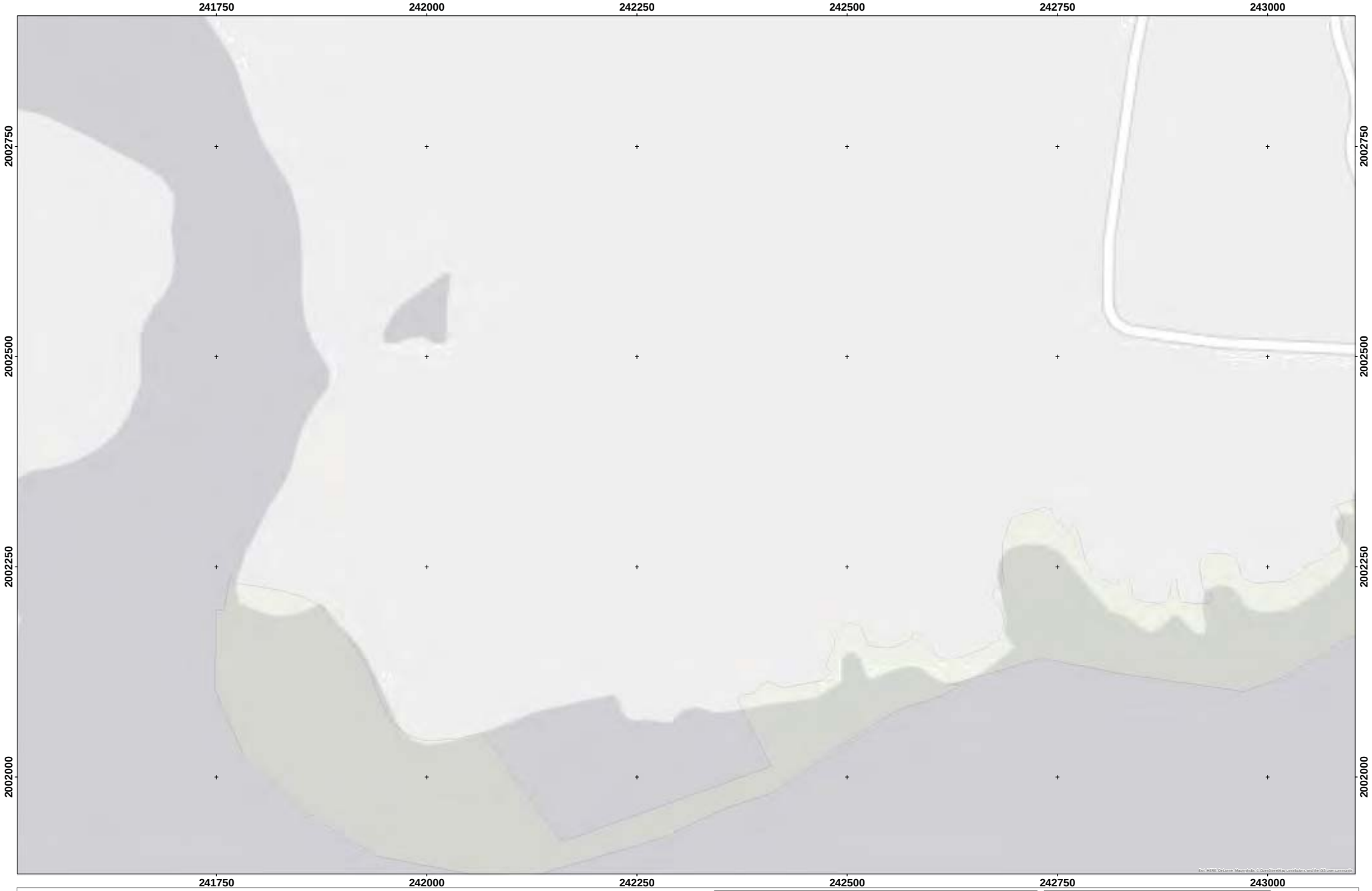
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 61

Legend

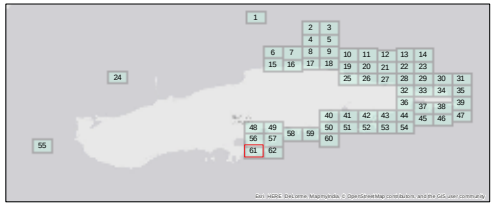
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

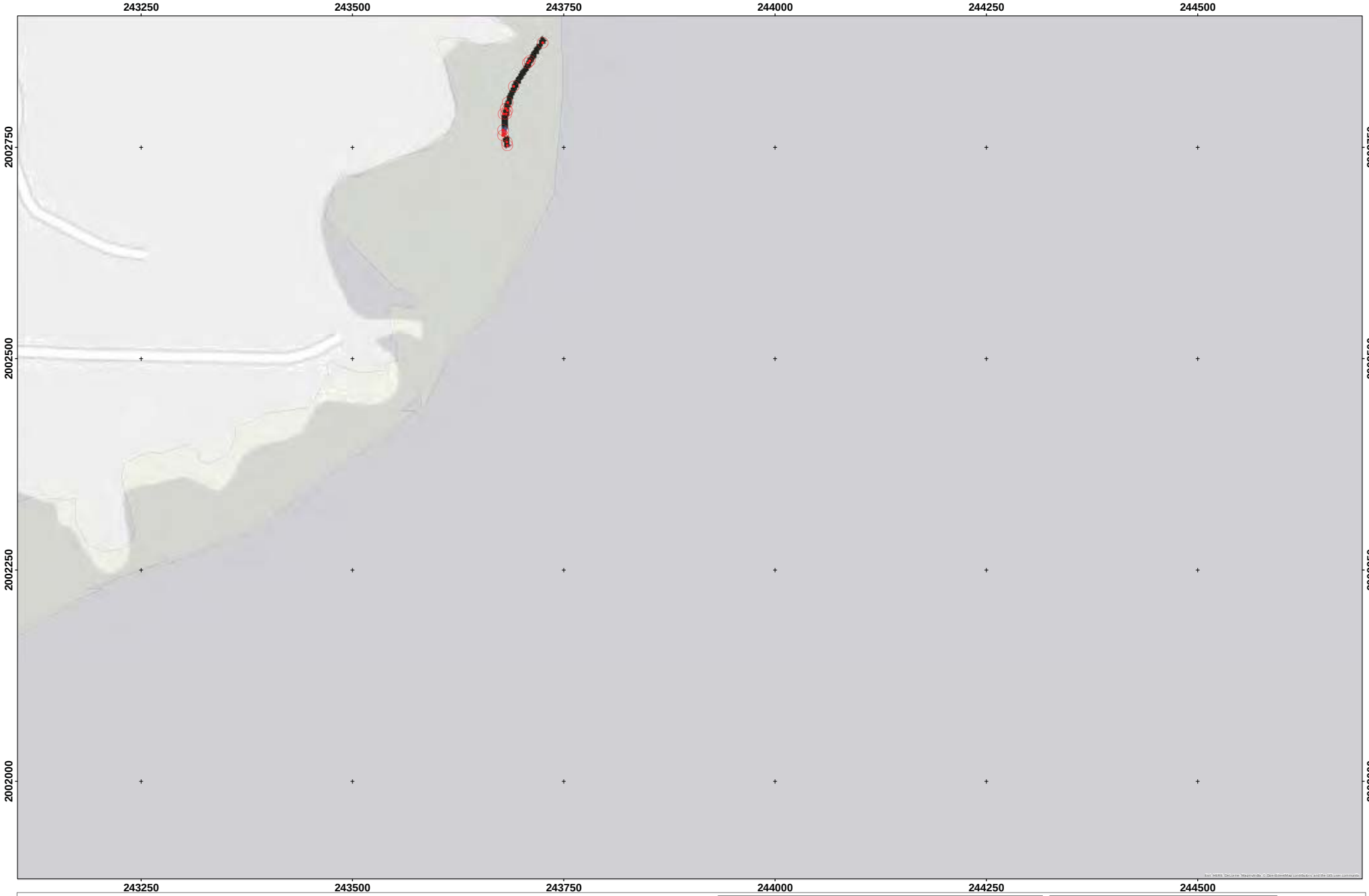
100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com



WAA 16

EM Anomaly Map 62

Legend

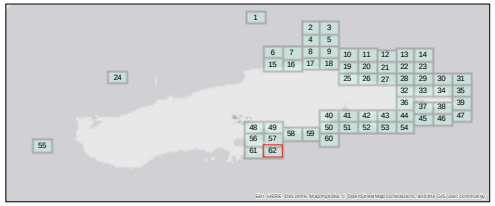
- EM Anomalies
- Survey Area

Note:

Coordinate System: NAD 1983 UTM Zone 20N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter

100 50 0 100
Meters

N
W E
S



Aqua Survey Inc.
469 Point Breeze Rd.
Flemington, NJ 08822

Tel: (908) 788-8700
Fax: (908) 788-9165
www.AquaSurvey.com

Attachment E

Daily QC Results Tables

Order of Tables

Table 1. Geodetic Functionality Check Results

Table 2. Daily IVS Results

Table 3. Daily Noise Line Results

Date	Julian Date	Location	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Pass/ Fail
3/17/2016	16077	PDR	221549.4	2023708.55	0.02	0.03	0.04	Pass
4/16/2016	16107	PDR	221549.36	2023708.5	-0.02	-0.02	0.03	Pass
4/18/2016	16109	Beach 5	256502.49	2007499.93	0.05	0.02	0.05	Pass
4/19/2016	16110	Beach 5	256502.54	2007499.96	0.00	-0.01	0.01	Pass
4/25/2016	16116	Beach 5	256502.41	2007499.98	0.13	-0.03	0.13	Pass
4/26/2016	16117	Beach 5	256502.53	2007499.93	0.01	0.02	0.02	Pass
4/27/2016	16118	Beach 5	256502.45	2007499.93	0.09	0.02	0.09	Pass
5/1/2016	16122	Beach 5	256502.57	2007500.08	-0.03	-0.13	0.13	Pass
5/2/2016	16123	Beach 5	256502.54	2007499.99	0.00	-0.04	0.04	Pass
5/3/2016	16124	Beach 5	256502.48	2007500.04	0.06	-0.09	0.11	Pass
5/4/2016	16125	Beach 5	256502.44	2007500	0.10	-0.05	0.11	Pass
5/6/2016	16127	Beach 5	256502.46	2007500	0.08	-0.05	0.09	Pass
5/7/2016	16128	Beach 5	256502.49	2007500.05	0.05	-0.10	0.11	Pass
5/9/2016	16130	Beach 5	256502.5	2007500.06	0.04	-0.11	0.12	Pass
5/11/2016	16132	Beach 5	256502.63	2007499.93	-0.09	0.02	0.09	Pass
5/12/2016	16133	Beach 5	256502.48	2007499.86	0.06	0.09	0.11	Pass
5/13/2016	16134	Beach 5	256502.51	2007499.97	0.03	-0.02	0.04	Pass
11/2/2016	16307	Beach 17	252921.68	2005521.23	0.00	-0.03	0.04	Pass
11/3/2016	16308	Beach 17	252921.7	2005521.34	-0.02	-0.15	0.15	Pass
11/5/2016	16310	Beach 5	256502.36	2007499.95	0.18	0.00	0.18	Pass
11/6/2016	16311	Beach 5	256502.43	2007500.08	0.11	-0.13	0.17	Pass
11/9/2016	16314	Beach 17	252921.62	2005521.35	0.06	-0.16	0.17	Pass
11/10/2016	16315	Beach 17	252921.53	2005521.17	0.15	0.03	0.16	Pass
11/11/2016	16316	Beach 17	252921.63	2005521.22	0.05	-0.02	0.06	Pass
11/12/2016	16317	Beach 17	252921.7	2005521.25	-0.02	-0.05	0.06	Pass
11/14/2016	16319	Beach 17	252921.8	2005521.29	-0.12	-0.09	0.15	Pass
11/15/2016	16320	Beach 17	252921.73	2005521.25	-0.05	-0.05	0.07	Pass
11/16/2016	16321	Beach 17	252921.75	2005521.28	-0.07	-0.08	0.11	Pass
11/18/2016	16323	Beach 17	252921.66	2005521.14	0.02	0.06	0.06	Pass
11/19/2016	16324	Beach 17	252921.67	2005521.26	0.01	-0.06	0.07	Pass
12/4/2016	16339	Beach 17	252921.57	2005521.17	0.11	0.03	0.12	Pass
12/5/2016	16340	Beach 17	252921.62	2005521.16	0.06	0.04	0.07	Pass
1/19/2017	17019	Beach 5	256502.52	2007500.12	0.02	-0.17	0.17	Pass
1/28/2017	17028	Beach 5	256502.54	2007499.9	0.00	0.05	0.05	Pass
1/30/2017	17030	Beach 5	256502.47	2007499.95	0.07	0.00	0.07	Pass
2/10/2017	17041	Beach 5	256502.58	2007499.93	-0.04	0.02	0.04	Pass
4/11/2017	17101	Beach 5	256502.66	2007500.1	-0.12	-0.15	0.19	Pass
4/12/2017	17102	Beach 5	256502.69	2007500	-0.15	-0.05	0.16	Pass
4/13/2017	17103	Beach 5	256502.74	2007499.98	-0.20	-0.03	0.20	Pass

Date	Julian Date	Location	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Pass/ Fail
4/14/2017	17104	Beach 5	256502.48	2007500.01	0.06	-0.06	0.08	Pass
4/15/2017	17105	Beach 5	256502.5	2007499.9	0.04	0.05	0.06	Pass
5/10/2017	17130	Beach 5	256502.72	2007500.01	-0.18	-0.06	0.19	Pass
5/12/2017	17132	Beach 5	256502.62	2007500.12	-0.08	-0.17	0.19	Pass

Table 1. Geodetic Functionality Check Results

Julian Date (am/pm)	Item	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Moment (Am^2)
16077am	PDR	222045.75	2023564.08	-1.09	0.42	1.17	80.9
16077pm	PDR	222047.41	2023565.07	0.57	1.41	1.52	15.03
16107am	PDR	222047.36	2023563.43	0.52	-0.23	0.57	21.83
16107pm	PDR	222046.8	2023564	-0.04	0.34	0.34	56.4
16109am	Beach 5 Med	256145.42	2007799.9	0.78	0.00	0.78	2.13
16109pm	Beach 5 Med	256145.67	2007801.01	1.03	1.11	1.51	0.45
16110am	Beach 5 Med	256145.77	2007799.86	1.13	-0.04	1.13	0.4
16110pm	Beach 5 Med	256144.54	2007800.02	-0.10	0.12	0.16	0.39
16116am	Beach 5 Med	256144.32	2007799.81	-0.32	-0.09	0.33	0.44
16116am	Beach 5 Lrg	256145.42	2007818	-0.49	0.09	0.50	0.94
16116pm	Beach 5 Med	256145.61	2007799.1	0.97	-0.80	1.26	0.76
16116pm	Beach 5 Lrg	256145.35	2007817.64	-0.56	-0.27	0.62	0.98
16117am	Beach 5 Med	256143.69	2007799.88	-0.95	-0.02	0.95	0.49
16117am	Beach 5 Lrg	256145.12	2007817.98	-0.79	0.07	0.79	0.89
16117pm	Beach 5 Med	256144.74	2007800.13	0.10	0.23	0.25	0.64
16117pm	Beach 5 Lrg	256146.83	2007818.27	0.92	0.36	0.99	1.54
16118am	Beach 5 Med	256144.47	2007801.32	-0.17	1.42	1.43	0.46
16118am	Beach 5 Lrg	256146.17	2007819.37	0.26	1.46	1.48	1.01
16118pm	Beach 5 Med	256144.28	2007799.44	-0.36	-0.46	0.58	0.46
16118pm	Beach 5 Lrg	256145.63	2007817.73	-0.28	-0.18	0.33	0.93
16122am	Beach 5 Med	256144.35	2007799.87	-0.29	-0.03	0.29	0.48
16122am	Beach 5 Lrg	256145.2	2007818.33	-0.71	0.42	0.82	0.94
16123am	Beach 5 Med	256144.18	2007799.8	-0.46	-0.10	0.47	0.56
16123am	Beach 5 Lrg	256145.4	2007817.93	-0.51	0.02	0.51	0.9
16123pm	Beach 5 Med	256145.92	2007799.99	1.28	0.09	1.28	0.5
16123pm	Beach 5 Lrg	256146.97	2007817.97	1.06	0.06	1.06	0.97
16124am	Beach 5 Med	256143.51	2007799.91	-1.13	0.01	1.13	0.55
16124am	Beach 5 Lrg	256144.67	2007817.69	-1.24	-0.22	1.26	1.93
16124pm	Beach 5 Med	256145.1	2007801.19	0.46	1.29	1.37	0.71
16124pm	Beach 5 Lrg	256146.06	2007818.59	0.15	0.68	0.70	1.68
16125am	Beach 5 Med	256144.48	2007799.72	-0.16	-0.18	0.24	0.87
16125am	Beach 5 Lrg	256144.9	2007817.95	-1.01	0.04	1.01	1.22
16127am	Beach 5 Med	256143.79	2007800.1	-0.85	0.20	0.87	0.67
16127am	Beach 5 Lrg	256144.68	2007818.61	-1.23	0.70	1.42	0.97
16127pm	Beach 5 Med	256145.32	2007799.74	0.68	-0.16	0.70	0.55
16127pm	Beach 5 Lrg	256146.56	2007817.81	0.65	-0.10	0.66	0.98
16128am	Beach 5 Med	256143.71	2007799.56	-0.93	-0.34	0.99	0.46
16128am	Beach 5 Lrg	256144.78	2007818.19	-1.13	0.28	1.16	1.19
16128pm	Beach 5 Med	256143.65	2007799.59	-0.99	-0.31	1.04	0.51

Julian Date (am/pm)	Item	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Moment (Am^2)
16128pm	Beach 5 Lrg	256145.68	2007819.35	-0.23	1.44	1.46	0.81
16130am	Beach 5 Med	256143.42	2007799.6	-1.22	-0.30	1.26	0.55
16130am	Beach 5 Lrg	256145.37	2007817.85	-0.54	-0.06	0.54	1.04
16130pm	Beach 5 Med	256144.87	2007800.18	0.23	0.28	0.36	0.45
16130pm	Beach 5 Lrg	256147.17	2007818.18	1.26	0.27	1.29	1
16132am	Beach 5 Med	256144.04	2007800.01	-0.60	0.11	0.61	0.53
16132am	Beach 5 Lrg	256145.47	2007818.4	-0.44	0.49	0.66	4.53
16132pm	Beach 5 Med	256143.72	2007799.48	-0.92	-0.42	1.01	0.51
16132pm	Beach 5 Lrg	256144.91	2007817.62	-1.00	-0.29	1.04	0.96
16133am	Beach 5 Med	256144.11	2007799.95	-0.53	0.05	0.53	0.55
16133am	Beach 5 Lrg	256144.65	2007818.03	-1.26	0.12	1.27	1.06
16133pm	Beach 5 Med	256145.4	2007800.57	0.76	0.67	1.01	0.68
16133pm	Beach 5 Lrg	256146.37	2007818.14	0.46	0.23	0.51	1.64
16134am	Beach 5 Med	256145.3	2007799.99	0.66	0.09	0.67	0.56
16134am	Beach 5 Lrg	256146.71	2007818.54	0.80	0.63	1.02	0.9
16134pm	Beach 5 Med	256145.16	2007800.4	0.52	0.50	0.72	1.08
16134pm	Beach 5 Lrg	256145.71	2007818.17	-0.20	0.26	0.33	4.34
16307am	Beach 17 Med	253149.83	2005358.74	-0.03	0.23	0.23	0.5
16307am	Beach 17 Lrg	253151.11	2005333.71	-0.08	0.37	0.38	0.4
16307pm	Beach 17 Med	253149.79	2005359	-0.07	0.49	0.49	0.39
16307pm	Beach 17 Lrg	253150.43	2005333.89	-0.76	0.55	0.94	0.33
16308am	Beach 17 Med	253150.3	2005358.85	0.44	0.34	0.56	0.67
16308am	Beach 17 Lrg	253150.89	2005333.87	-0.3	0.53	0.61	0.33
16308pm	Beach 17 Med	253150.26	2005358.26	0.4	-0.25	0.47	0.48
16308pm	Beach 17 Lrg	253151.04	2005333.03	-0.15	-0.31	0.34	0.32
16310am	Beach 5 Med	256144.26	2007800.71	-0.38	0.81	0.89	0.46
16310am	Beach 5 Lrg	256145.01	2007818.93	-0.90	1.02	1.36	0.72
16310pm	Beach 5 Med	256143.67	2007800.14	-0.97	0.24	1.00	0.54
16310pm	Beach 5 Lrg	256145.2	2007818.34	-0.71	0.43	0.83	0.84
16311am	Beach 5 Med	256144.43	2007799.61	-0.21	-0.29	0.36	0.44
16311am	Beach 5 Lrg	256145.55	2007817.95	-0.36	0.04	0.36	0.72
16311pm	Beach 5 Med	256145.26	2007799.88	0.62	-0.02	0.62	0.61
16311pm	Beach 5 Lrg	256145.42	2007818.45	-0.49	0.54	0.73	0.67
16314am	Beach 17 Med	253149.46	2005359.18	-0.4	0.67	0.78	0.47
16314am	Beach 17 Lrg	253150.78	2005334.09	-0.41	0.75	0.85	0.38
16314pm	Beach 17 Med	253149.5	2005359.47	-0.36	0.96	1.03	0.49
16314pm	Beach 17 Lrg	253151.01	2005334.37	-0.18	1.03	1.05	0.35
16315am	Beach 17 Med	253150.06	2005358.7	0.2	0.19	0.28	0.39
16315am	Beach 17 Lrg	253151.84	2005333.39	0.65	0.05	0.65	0.34

Julian Date (am/pm)	Item	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Moment (Am^2)
16315pm	Beach 17 Med	253150.51	2005358.54	0.65	0.03	0.65	0.54
16315pm	Beach 17 Lrg	253152.11	2005333.4	0.92	0.06	0.92	0.42
16316am	Beach 17 Med	253150.19	2005358.16	0.33	-0.35	0.48	0.57
16316am	Beach 17 Lrg	253151.14	2005333.44	-0.05	0.1	0.11	0.43
16317am	Beach 17 Med	253151.21	2005358.56	1.35	0.05	1.35	0.48
16317am	Beach 17 Lrg	253152.19	2005333.89	1	0.55	1.14	0.26
16317pm	Beach 17 Med	253148.75	2005358.82	-1.11	0.31	1.15	0.46
16317pm	Beach 17 Lrg	253149.84	2005333.89	-1.35	0.55	1.46	0.39
16319am	Beach 17 Med	253149.87	2005358.1	0.01	-0.41	0.41	0.47
16319am	Beach 17 Lrg	253150.68	2005333.04	-0.51	-0.3	0.59	0.26
16319pm	Beach 17 Med	253149.21	2005358.32	-0.65	-0.19	0.68	0.45
16319pm	Beach 17 Lrg	253150.32	2005333.1	-0.87	-0.24	0.90	0.3
16320am	Beach 17 Med	253149.99	2005359.22	0.13	0.71	0.72	0.45
16320am	Beach 17 Lrg	253151.53	2005334.11	0.34	0.77	0.84	0.46
16321am	Beach 17 Med	253149.91	2005358.79	0.05	0.28	0.28	0.47
16321am	Beach 17 Lrg	253151.27	2005332.62	0.08	-0.72	0.72	2.05
16321pm	Beach 17 Med	253149.63	2005358.54	-0.23	0.03	0.23	0.45
16321pm	Beach 17 Lrg	253150.97	2005333.64	-0.22	0.3	0.37	0.35
16323am	Beach 17 Med	253150.25	2005358.7	0.39	0.19	0.43	0.43
16323am	Beach 17 Lrg	253151.52	2005332.28	0.33	-1.06	1.11	2.02
16323pm	Beach 17 Med	253150.24	2005358.86	0.38	0.35	0.52	0.38
16323pm	Beach 17 Lrg	253151.71	2005333.62	0.52	0.28	0.59	0.36
16324am	Beach 17 Med	253150.26	2005358.85	0.4	0.34	0.52	0.4
16324am	Beach 17 Lrg	253151.19	2005333.62	0	0.28	0.28	0.35
16324pm	Beach 17 Med	253150.81	2005358.36	0.95	-0.15	0.96	0.41
16324pm	Beach 17 Lrg	253151.85	2005333.41	0.66	0.07	0.66	0.38
16339am	Beach 17 Med	253150.4	2005358.73	0.54	0.22	0.58	0.39
16339am	Beach 17 Lrg	253151.43	2005333.64	0.24	0.3	0.38	0.36
16339pm	Beach 17 Med	253149.89	2005358.86	0.03	0.35	0.35	0.52
16339pm	Beach 17 Lrg	253151.48	2005333.67	0.29	0.33	0.44	0.44
16340am	Beach 17 Med	253149.83	2005358.48	-0.03	-0.03	0.04	0.54
16340am	Beach 17 Lrg	253150.64	2005333.64	-0.55	0.3	0.63	0.4
16340pm	Beach 17 Med	253149.84	2005358.62	-0.02	0.11	0.11	0.42
16340pm	Beach 17 Lrg	253151.24	2005333.49	0.05	0.15	0.16	0.38
17019am	Beach 5 Med	256144.59	2007799.73	-0.05	-0.17	0.18	0.51
17019am	Beach 5 Lrg	256146.38	2007818.14	0.47	0.23	0.52	0.96
17019pm	Beach 5 Med	256145.63	2007800.26	0.99	0.36	1.05	0.52
17019pm	Beach 5 Lrg	256146.78	2007818.72	0.87	0.81	1.19	0.72
17028am	Beach 5 Med	256145.2	2007800.54	0.56	0.64	0.85	0.5

Julian Date (am/pm)	Item	Easting UTM 20N (m)	Northing UTM 20N (m)	Easting Diff (m)	Northing Diff (m)	Offset (m)	Moment (Am^2)
17028am	Beach 5 Lrg	256145.5	2007818.93	-0.41	1.02	1.10	0.89
17028pm	Beach 5 Med	256144.37	2007798.84	-0.27	-1.06	1.09	0.54
17028pm	Beach 5 Lrg	256144.97	2007817.11	-0.94	-0.80	1.23	0.82
17030am	Beach 5 Med	256144.5	2007798.46	-0.14	-1.44	1.45	0.5
17030am	Beach 5 Lrg	256144.96	2007816.78	-0.95	-1.13	1.48	0.75
17030pm	Beach 5 Med	256144.14	2007800.81	-0.50	0.91	1.04	0.51
17030pm	Beach 5 Lrg	256146.29	2007819.01	0.38	1.10	1.16	0.92
17041am	Beach 5 Med	256144.71	2007799.03	0.07	-0.87	0.87	0.62
17041am	Beach 5 Lrg	256145.53	2007817.14	-0.38	-0.77	0.86	0.62
17041pm	Beach 5 Med	256145.09	2007800.91	0.45	1.01	1.11	0.53
17041pm	Beach 5 Lrg	256146.29	2007819.17	0.38	1.26	1.32	0.67
17101am	Beach 5 Med	256145.25	2007799.02	0.61	-0.88	1.07	0.41
17101am	Beach 5 Lrg	256146.05	2007817.3	0.14	-0.61	0.63	0.76
17101pm	Beach 5 Med	256145.3	2007798.82	0.66	-1.08	1.27	0.58
17101pm	Beach 5 Lrg	256145.03	2007817.19	-0.88	-0.72	1.14	0.65
17102am	Beach 5 Med	256145.75	2007798.75	1.11	-1.15	1.60	0.47
17102am	Beach 5 Lrg	256145.91	2007817.11	0.00	-0.80	0.80	0.86
17103am	Beach 5 Med	256145.39	2007798.91	0.75	-0.99	1.24	0.53
17103am	Beach 5 Lrg	256146.77	2007817.39	0.86	-0.52	1.00	0.62
17103pm	Beach 5 Med	256144.96	2007798.94	0.32	-0.96	1.01	0.58
17103pm	Beach 5 Lrg	256146.17	2007817.14	0.26	-0.77	0.81	0.7
17104am	Beach 5 Med	256145.35	2007798.98	0.71	-0.92	1.16	0.47
17104am	Beach 5 Lrg	256145.9	2007817.32	-0.01	-0.59	0.59	0.69
17104pm	Beach 5 Med	256144.6	2007800.45	-0.04	0.55	0.55	0.74
17104pm	Beach 5 Lrg	256146.11	2007818.81	0.20	0.90	0.92	1.15
17105am	Beach 5 Med	256145.39	2007799.02	0.75	-0.88	1.16	0.4
17105am	Beach 5 Lrg	256146.45	2007817.36	0.54	-0.55	0.77	0.59
17105pm	Beach 5 Med	256144.67	2007798.84	0.03	-1.06	1.06	0.62
17105pm	Beach 5 Lrg	256146.13	2007817.25	0.22	-0.66	0.70	0.69
17130am	Beach 5 Med	256145.03	2007799.39	0.39	-0.51	0.64	0.41
17130am	Beach 5 Lrg	256145.3	2007817.74	-0.61	-0.17	0.63	0.65
17132am	Beach 5 Med	256145.24	2007799.29	0.60	-0.61	0.86	0.43
17132am	Beach 5 Lrg	256145.5	2007817.85	-0.41	-0.06	0.41	0.82
17132pm	Beach 5 Med	256144.8	2007798.86	0.16	-1.04	1.05	0.51
17132pm	Beach 5 Lrg	256145.52	2007817.13	-0.39	-0.78	0.87	0.7

Table 2. Daily IVS Results

Date	Julian Date	Minimum nT	Maximum nT	Mean nT	Median nT	Mode nT	Std.dev.
3/17/2016	16077	-0.384	0.77	-0.017	0.001	-0.035	0.11
4/16/2016	16107	-0.45	0.57	0	0.01	0	0.15
4/18/2016	16109	-0.505	0.456	0.029	0.036	0.106	0.145
4/19/2016	16110	-0.84	0.83	0	0.03	0.01	0.25
4/25/2016	16116	-0.371	0.682	0.015	0.024	-0.009	0.144
4/26/2016	16117	-0.445	0.7	0.024	0.032	-0.028	0.175
4/27/2016	16118	-	-	-	-	-	-
5/1/2016	16122	-0.467	0.417	0.004	0.012	-0.034	0.117
5/2/2016	16123	-0.732	0.402	0.018	0.048	0.059	0.137
5/3/2016	16124	-0.492	0.58	0.025	0.022	0.078	0.16
5/4/2016	16125	-0.466	0.461	0.006	0.017	0.026	0.142
5/6/2016	16127	-0.552	0.456	0.002	0.015	-0.037	0.168
5/7/2016	16128	-0.241	0.263	-0.013	-0.01	-0.015	0.079
5/9/2016	16130	-0.792	0.875	0.018	0.041	-0.08	0.255
5/11/2016	16132	-0.588	0.565	-0.005	0.013	0.001	0.169
5/12/2016	16133	-0.496	0.548	0.015	0.026	-0.028	0.16
5/13/2016	16134	-0.39	0.33	0	0	0.01	0.09
11/2/2016	16307	-0.44	0.62	0	0	-0.01	0.15
11/3/2016	16308	-0.99	0.82	0	0.03	0.01	0.25
11/5/2016	16310	-0.713	0.68	0.017	0.042	0.114	0.258
11/6/2016	16311	-0.668	0.489	0.001	0.007	-0.005	0.148
11/9/2016	16314	-0.648	0.603	0.007	0.03	-0.009	0.198
11/10/2016	16315	-0.835	0.711	-0.017	0.002	-0.046	0.234
11/11/2016	16316	-0.727	0.41	0.024	0.078	0.185	0.211
11/12/2016	16317	-0.79	0.66	-0.05	-0.03	-0.05	0.19
11/14/2015	16319	-0.38	0.32	-0.01	0.01	0.11	0.14
11/15/2016	16320	-0.21	0.59	0.15	0.18	0.23	0.12
11/16/2016	16321	-0.56	0.96	0.03	0.01	-0.04	0.19
11/18/2016	16323	-0.86	0.87	-0.01	0	-0.02	0.24
11/19/2016	16324	-0.47	0.49	-0.01	-0.01	-0.04	0.15
12/4/2016	16399	-0.46	0.62	0	0.01	-0.04	0.13
12/5/2016	16340	-0.46	0.55	0.1	0.13	0.18	0.18
1/19/2017	17019	-0.297	0.442	0.024	0.026	0.019	0.113
1/28/2017	17028	-0.509	0.488	0.01	0.01	-0.021	0.158
1/30/2017	17030	-0.49	0.5	0.02	0.03	0.02	0.14
2/10/2017	17041	-0.32	0.53	0.04	0.03	0.01	0.12
4/11/2017	17101	-0.99	0.44	-0.1	0.03	0.01	0.14
4/12/2017	17102	-0.8	0.73	0	0.03	0.01	0.16
4/13/2017	17103	-0.43	0.97	0.01	0.01	0.02	0.14
4/14/2017	17104	-0.75	0.58	0	0.02	0.01	0.12

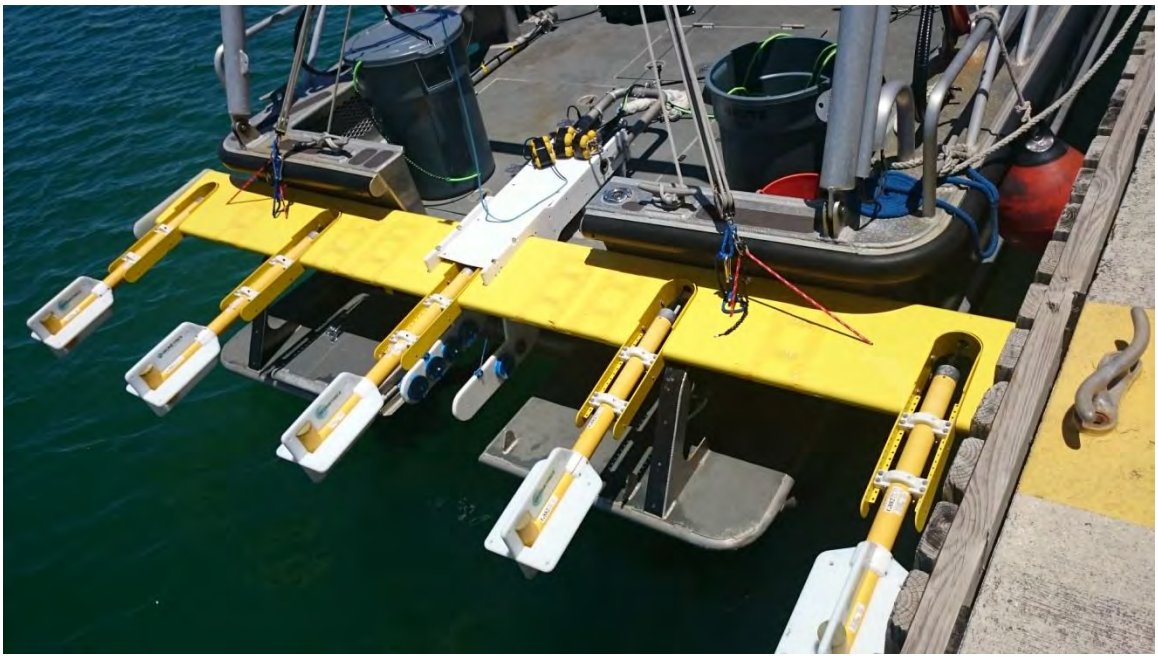
Date	Julian Date	Minimum nT	Maximum nT	Mean nT	Median nT	Mode nT	Std.dev.
4/15/2017	17105	-0.92	0.82	-0.01	0.02	0	0.16
5/10/2017	17130	-0.45	0.36	0	0.01	0	0.08
5/12/2017	17132	-0.34	0.43	0	0	-0.04	0.09

Table 3. Daily Noise Line Results

Attachment F

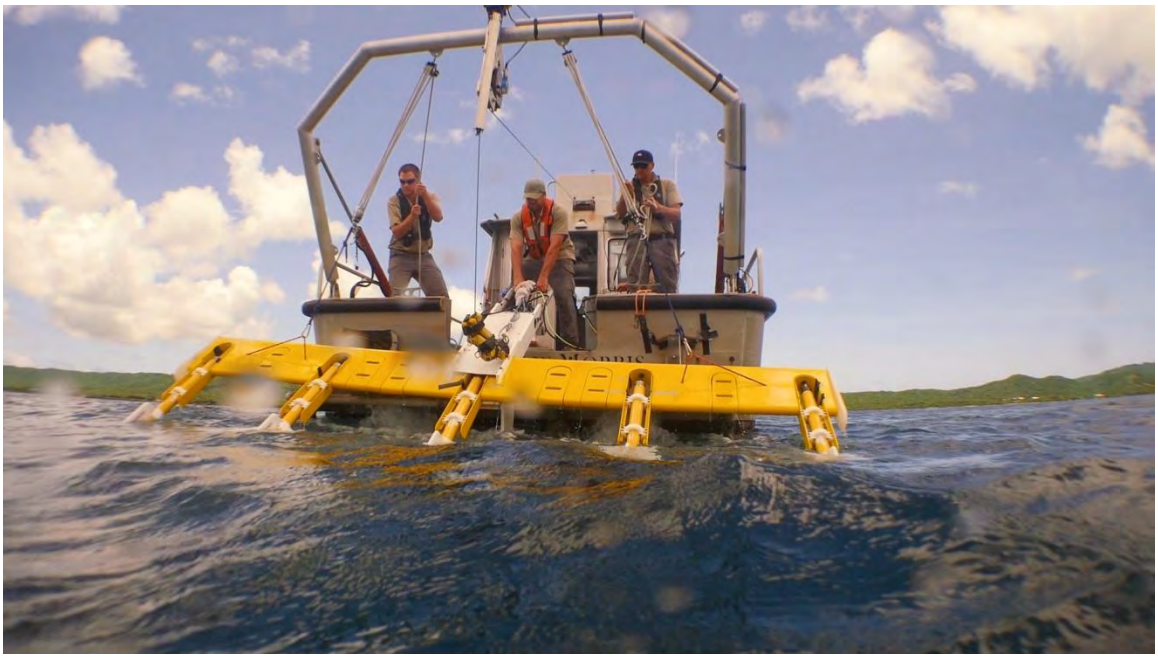
Photographs

Survey vessel R/V Charlie Morris at Beach 5 mooring.



Magnetometer wing.

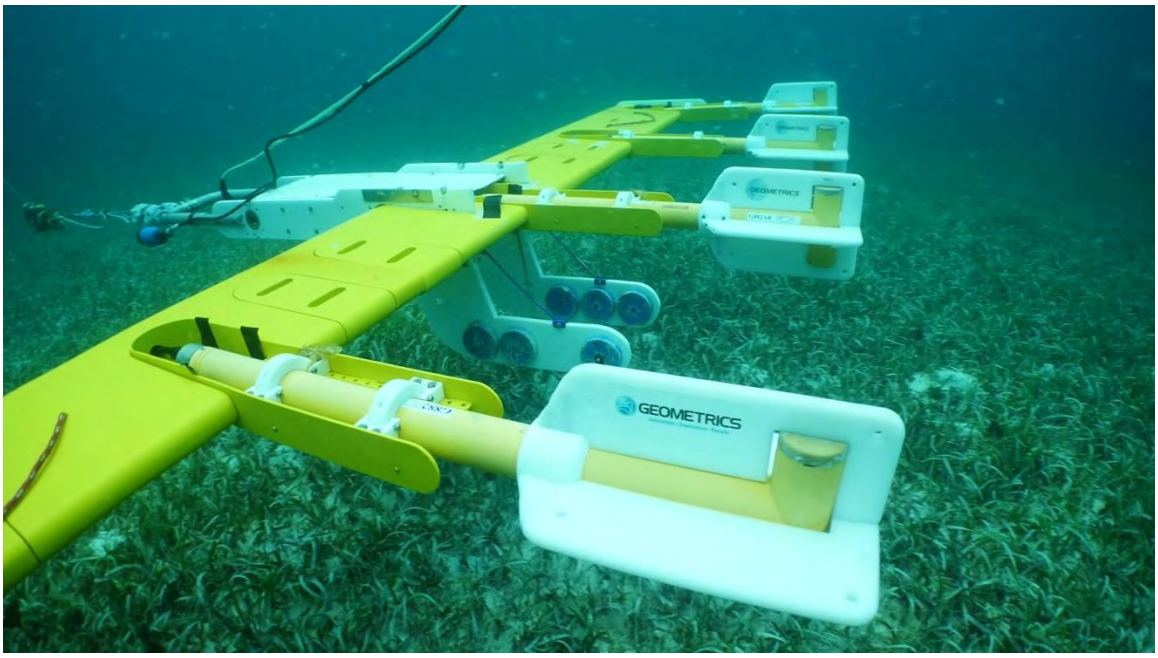
Wing secured for transiting between locations.



Wing being deployed.

Wing being towed on the surface between transects.

Wing surveying over sea grass.



Forward looking HD camera on the left front of the forward bracket. Weights can be seen in front of the wing and on the keels.

Wing surveying over coral reef. Forward looking HD camera on the front of the forward bracket. Weights can be seen in front of the wing and on the keels.

Helm station. From left to right: vessel fathometer with integrated GPS and engine gauges, navigation computer, forward looking camera video.

Survey technician station. Magnetometer array information on the left monitor, forward looking camera video on the right.

Winch operator station. Wing altimeter and line length display in the top left. Forward looking camera display and video recorder in center.

Wing being recovered.

Attachment G

Root Cause Analyses

Root Cause Analysis #1

Failure Description:

During the afternoon IVS event of the first survey day at the IVS near Puerto Del Rey the position offset exceeded the 1.50 meter distance metric by 0.02 meters.

Cause:

Original object was a single pipe section that was 10 inches in diameter and 4 feet long which proved too difficult to accurately model as a single dipole.

Implications for Data:

None

Corrective Action Required:

Future instrument verification strips were built using ISO's as opposed to a single large object.

Root Cause Analysis #2

Failure Description:

On 4/18/16 the IVS seed item position offset exceeded the 1.50 meter distance metric by 0.01 meters.

Cause:

There was only a single medium ISO in the IVS with other pre-existing buried metallic items in the near vicinity. The signature of the medium ISO was influenced by background materials making it difficult to model.

Implications for Data:

None

Corrective Action Required:

A second item (a large ISO) was added to that IVS in a magnetically clean area. The large ISO also had a larger signature making it easier to model. The third IVS at Beach 17 would be built using both a large and medium ISO.

Root Cause Analysis #3

Failure Description:

On 4/12/17 the IVS seed item position offset exceeded the 1.50 meter distance metric by 0.10 meters.

Cause:

Start of a line length encoder failure which inaccurately reported the amount of line slippage. This caused an inaccurate layback position to be calculated.

Implications for Data:

None. The line length encoder failure was detected following the first transect surveyed. The encoder was replaced and the effected transect was resurveyed.

Corrective Action Required:

The line length encoder was replaced. One additional line length encoder failed on a subsequent transect. That encoder was also replaced and a more robust repair was executed to prevent the failures in the future. No subsequent repairs were needed to the encoder nor were any future IVS offset metrics exceeded.

Attachment H

Data Deliverables Details

Daily data deliverables were defined by the SOW for this project.

- Daily raw DGM data were transferred using a secure File Transfer Protocol (FTP) site provided and maintained by CH2M HILL, or as email attachments under 5 megabytes. These data were not be altered or corrected for sensor offsets and latency. Daily files included QC test files, IVS data, and production data. Additionally, any supporting data files and information (e.g. GPS feature files, digital photos), along with legible copies of daily hard copy field notes (if recorded), were provided with the daily submittal.
- Processed DGM data files were delivered in accordance with the following:
    - Positional data were delivered in NAD 1983 (1997 adjustment), UTM Zone 20N, and units of meters.
    - Processed data were delivered in both Geosoft Oasis montaj (Geosoft) database (.gdb) and ASCII (.xyz) format, in a format readable by Geosoft.
    - Processed data files were delivered with channels in a consistent order that facilitated use of import templates:
        - Data were presented in delineated fields as x, y, z, d, v1, v2, etc. Detailed channel descriptions are below.
        - The last data field was a time stamp.
        - Each data field was separated by a comma or tab.
        - No individual file was more than 100 megabytes in size and no more than 600,000 lines long.
        - Each delivered data file wase named using the sortie ID (i.e. transect ID or transect block ID) established during acquisition and entered into MRSIMS by the ASI/HDR field personnel.
    - All sensor data were preprocessed for sensor offsets, diurnal magnetic variations, latency corrections, drift corrections, etc., and correlated with positioning data.
    - Delivered .gdb and .xyz files contained raw and processed data in separate channels such that the data processing steps and sequence was clear to CH2M HILL.
    - Target lists were provided for each individual transect. Targets were delivered in ASCII (.xyz) format (readable by Geosoft) and Microsoft Excel format. A master target list for each data sortie was provided for each submittal in Geosoft database (.gdb) format.
    - Deliverables also included a Geosoft .map file of the processed and gridded DGM data associated with that sortie. Target selections were included and were clearly identified and numbered. The maps will included a color scale (with units).
    - QC test files were delivered in Geosoft database (.gdb) and ASCII (.xyz) format, in a format readable by Geosoft. PDF images were also provided for each applicable QC test.
    - IVS files were delivered in Geosoft database (.gdb) and ASCII (.xyz) format, in a format readable by Geosoft. PDF images and Geosoft .map files of IVS surveys were also be provided for each IVS data set.

Field #	Name	Description
1	Time	DAS Time now being corrected to GMT to match cameras
2	B_X	Boat Easting WGS84 UTM Zone 20 North
3	B_Y	Boat Northing WGS84 UTM Zone 20 North
4	B_HAE	Boat Height Above Ellipsoid WGS84 UTM Zone 20 North
5	B_Fix	Boat GPS RTK Fix Indicator
6	W_X	Calculated Wing Easting WGS84 UTM Zone 20 North
7	W_Y	Calculated Wing Northing WGS84 UTM Zone 20 North
8	W_HAE	Calculated Height Above Ellipsoid WGS84 UTM Zone 20 North
9	W_Fix	Wing GPS RTK Fix Indicator - not used
10	Cable_Angle	Cable Encoder - Angle Measurement in Degrees - Filtered LP
11	Trimb_Roll	Trimble GPS Calculated Roll Degrees
12	Trimb_Pitch	Trimble GPS Calculated Pitch Degrees
13	Trimb_Yaw	Trimble GPS Calculated Yaw Degrees
14	B_Roll	Boat IMU Roll Degrees - Filtered LP
15	B_Pitch	Boat IMU Pitch Degrees - Filtered LP
16	B_Yaw	Boat IMU Yaw Degrees - Filtered LP
17	W_Roll	Wing IMU Roll Degrees - Filtered LP
18	W_Pitch	Wing IMU Pitch Degrees - Filtered LP
19	W_Yaw	Wing IMU Yaw Degrees - Filtered LP
20	W_Alt	Wing Altimeter Meters - Filtered LP
21	Water_Alt_Filt	Calculated from W_Alt+W_Depth Meters
22	W_Depth	Wing Pressure Depth Meters - Filtered LP
23	Cable_Length	Line Length Encoder Meters Filtered LP
24	B_Alt	Boat Altitude Meters
25	Mag	Raw Mag Reading nanoTesla
26	Mag_Filt	Detrend Magnetometer nanoTesla
27	Sensor	Magnetometer Sensor Number
28	QC	QC Channel Flag
29	Time_Conv	UTC Time
30	_W_X	Calculated Wing Easting WGS84 UTM Zone 20 North
31	_W_Y	Calculated Wing Northing WGS84 UTM Zone 20 North
32	Flag_datasep	Sample Separation Metric Flag if Allowed Value Exceeded

Appendix B
Survey Transect Log and Associated Figures

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1001	592	5/12/17	592	
1002	727	5/12/17	727	
1003	791	5/12/17	791	
1004	803	3/17/16	803	
1005	764	3/17/16	764	
1006	664	3/17/16	664	
1007	469	3/17/16	469	
1010	351	4/16/16	351	
1011	611	4/16/16	611	
1012	737	4/16/16	737	
1013	795	4/16/16	795	
1014	801	4/16/16	801	
1015	756	4/16/16	756	
1016	649	4/16/16	649	
1017	437	4/16/16	437	
1020	448	4/16/16	448	
1021	696	4/16/16	696	
1022	824	4/16/16	824	
1023	893	4/16/16	893	
1024	916	4/18/16	916	
1025	893	4/18/16	893	
1026	824	4/18/16	824	
1027	690	4/18/16	690	
1028	442	4/18/16	442	
1101	580	5/13/16	580	
1102	564	5/13/16	564	
1103	359	4/13/17	359	
1104	1,493	4/13/17	1,493	
1105	139	5/13/16	139	
1106	1,625	1/19/17	1,625	
1107	1,667	1/19/17	1,667	
1108	1,700	1/19/17	1,700	
1109	1,539	1/19/17	1,539	
1110	1,348	1/19/17	1,348	
1111	1,153	1/19/17	1,153	
1112	1,011	1/19/17	1,011	
1113	825	1/19/17	825	
1114	626	1/19/17	626	
1115	498	1/19/17	498	
1116	338	1/19/17	338	
1117	182	1/19/17	182	
1118	21	1/19/17	21	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1119	8	4/13/17	8	
1120	716	4/13/17	716	
1121	115	5/13/16	115	
1122	112	5/13/16	112	
1123	263	4/13/17	263	
1124	225	5/13/16	225	
1125	509	4/13/17	609	100 meters added to this transect to fill a coverage gap
1126	93	5/13/16	93	
1127	802	4/13/17	852	50 meters added to this transect to fill a coverage gap
1128	828	5/12/16	828	
1129	328	5/7/16	328	
1130	862	5/7/16	862	
1131	895	5/7/16	895	
1132	923	5/7/16	923	
1133	1,874	4/18/16	1,874	
1134	1,844	4/18/16	1,844	
1135	1,812	4/18/16	1,812	
1136	1,781	4/19/16	1,781	
1137	1,749	4/19/16	1,749	
1138	1,717	5/12/16	1,717	
1139	1,685	4/19/16	1,685	
1140	1,653	4/25/15	1,653	
1141	1,622	4/25/15	1,622	
1142	1,590	4/25/15	1,590	
1143	1,558	4/25/15	1,558	
1144	1,526	4/25/15	1,526	
1145	1,495	4/25/15	1,495	
1146	1,463	4/26/15	1,463	
1147	1,431	4/26/15	1,431	
1148	1,399	4/26/15	1,399	
1149	1,368	4/26/15	1,368	
1150	1,336	4/26/15	1,336	
1151	1,304	4/26/15	1,304	
1152	1,272	4/26/15	1,272	
1153	1,241	4/26/15	1,241	
1154	1,209	4/26/15	1,209	
1155	1,177	4/26/15	1,177	
1156	1,145	5/7/16	1,145	
1157	1,114	5/12/16	1,114	
1158	1,082	5/12/16	1,082	
1159	1,050	5/12/16	1,050	
1160	1,018	5/12/16	1,018	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1161	987	5/12/16	987	
1162	955	5/12/16	955	
1166	2,241	2/10/17	2,241	Supplemental transects added east of rocket range
1167	2,111	2/10/17	2,111	Supplemental transects added east of rocket range
1168	1,981	2/10/17	1,981	Supplemental transects added east of rocket range
1169	1,851	2/10/17	1,851	Supplemental transects added east of rocket range
1170	1,721	2/10/17	1,721	Supplemental transects added east of rocket range
1171	1,591	2/10/17	1,591	Supplemental transects added east of rocket range
1172	1,461	2/10/17	1,461	Supplemental transects added east of rocket range
1173	1,331	2/10/17	1,331	Supplemental transects added east of rocket range
1174	1,201	2/10/17	1,201	Supplemental transects added east of rocket range
1175	1,070	1/30/17	1,070	Supplemental transects added east of rocket range
1176	941	1/30/17	941	Supplemental transects added east of rocket range
1177	836	1/28/17	836	Supplemental transects added east of rocket range
1178	743	1/28/17	743	Supplemental transects added east of rocket range
1179	695	1/28/17	695	Supplemental transects added east of rocket range
1180	481	4/13/17	481	Supplemental transects added east of rocket range
1201	1,600	5/10/17	730	Modified priority 3 transect - new total length is 730 meters
1202	1,744			Transect was omitted due to project delays which necessitated removal of some survey transects.
1203	1,894	5/10/17	2,777	Modified priority 3 transect - new total length is 2,777 meters
1204	2,010	5/10/17	1,524	Modified priority 3 transect - new total length is 1,524 meters
1205	2,149	5/10/17	8,180	Modified priority 3 transect - new total length is 8,180 meters
1206	2,297			Transect was omitted due to project delays which necessitated removal of some survey transects.
1207	2,407			Transect was omitted due to project delays which necessitated removal of some survey transects.
1208	2,483			Transect was omitted due to project delays which necessitated removal of some survey transects.
1209	229			Transect was omitted due to project delays which necessitated removal of some survey transects.
1210	225			Transect was omitted due to project delays which necessitated removal of some survey transects.
1211	608			Transect was omitted due to project delays which necessitated removal of some survey transects.
1212	914			Transect was omitted due to project delays which necessitated removal of some survey transects.

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1213	1,080			Transect was omitted due to project delays which necessitated removal of some survey transects.
1214	1,226			Transect was omitted due to project delays which necessitated removal of some survey transects.
1215	1,349			Transect was omitted due to project delays which necessitated removal of some survey transects.
1216	1,473			Transect was omitted due to project delays which necessitated removal of some survey transects.
1217	1,596			Transect was omitted due to project delays which necessitated removal of some survey transects.
1218	1,721			Transect was omitted due to project delays which necessitated removal of some survey transects.
1219	1,848			Transect was omitted due to project delays which necessitated removal of some survey transects.
1220	1,966			Transect was omitted due to project delays which necessitated removal of some survey transects.
1221	2,189			Transect was omitted due to project delays which necessitated removal of some survey transects.
1222	2,325			Transect was omitted due to project delays which necessitated removal of some survey transects.
1223	2,458			Transect was omitted due to project delays which necessitated removal of some survey transects.
1224	2,593			Transect was omitted due to project delays which necessitated removal of some survey transects.
1225	2,737			Transect was omitted due to project delays which necessitated removal of some survey transects.
1226	1,916			Transect was omitted due to project delays which necessitated removal of some survey transects.
1227	2,042			Transect was omitted due to project delays which necessitated removal of some survey transects.
1228	2,130			Transect was omitted due to project delays which necessitated removal of some survey transects.
1229	2,313			Transect was omitted due to project delays which necessitated removal of some survey transects.
1230	2,692			Transect was omitted due to project delays which necessitated removal of some survey transects.
1231	3,371			Transect was omitted due to project delays which necessitated removal of some survey transects.
1301	160			Transect could not be surveyed due to shallow waters and coral obstructions
1302	75			Transect could not be surveyed due to shallow waters
1303	480			Transect could not be surveyed due to shallow waters

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1304	284			Transect could not be surveyed due to shallow waters and coral obstructions
1305	519	11/18/16	614	95 meters added to this transect to fill a coverage gap
1306	1,208	11/16/16	1,208	
1307	348	11/18/16	318	30 meters removed from this transect due to shallow waters
1308	357	11/18/16	312	45 meters removed from this transect due to shallow waters
1309	287	11/18/16	157	130 meters removed from this transect due to shallow waters
1310	359	11/18/16	359	
1311	1,043	11/18/16	1,083	40 meters added to this transect to fill a coverage gap
1312	98	5/12/17	98	
1313	99	11/16/16	99	
1314	617	11/16/16	617	
1315	201			Transect could not be surveyed due to shallow waters and coral obstructions
1316	257	11/16/16	257	
1317	177	11/16/16	177	
1318	146	11/16/16	146	
1319	267	5/12/17	267	
1320	622			Transect could not be surveyed due to shallow waters and coral obstructions
1321	114	11/16/16	114	
1322	119	11/16/16	119	
1323	98	11/16/16	78	20 meters removed from this transect due to shallow waters
1324	137	11/16/16	107	30 meters removed from this transect due to shallow waters
1325	184	11/16/16	184	
1326	71	11/16/16	71	
1327	70	11/16/16	70	
1328	554	11/16/16	554	
1329	578	11/15/16	578	
1330	380	11/15/16	380	
1331	273	11/15/16	273	
1332	140			Transect could not be surveyed due to shallow waters and coral obstructions
1333	482	12/5/16	482	
1334	163	11/15/16	163	
1335	304	11/15/16	304	
1336	198	11/15/16	198	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1337	64	11/15/16	64	
1338	1,172	12/5/16	1,172	
1339	1,191	11/15/16	1,191	
1340	1,699	11/15/16	1,699	
1341	1,469	11/15/16	1,469	
1342	608	11/15/16	608	
1343	402	11/14/16	402	
1344	425	11/14/16	425	
1345	1,441	12/5/16	1,441	
1346	286	11/14/16	286	
1347	325	11/14/16	325	
1348	344	11/14/16	344	
1349	1,305	12/5/16	1,305	
1350	135	11/14/16	135	
1351	216	11/14/16	216	
1352	233			Transect could not be surveyed due to shallow waters
1353	696	11/14/16	696	
1354	185	11/14/16	185	
1355	170	11/14/16	170	
1356	224	11/14/16	224	
1357	192	11/14/16	192	
1358	69			No data collected for this transect, as this area was surveyed with modifications to Transect 1359
1359	63	11/14/16	180	117 meters added to this transect to include 1358 transect area with the transect reoriented to run parallel with 1363
1360	165	11/14/16	165	
1361	243	11/14/16	243	
1362	284	11/14/16	284	
1363	791	11/14/16	791	
1364	254	11/14/16	254	
1365	300	11/14/16	300	
1366	376	11/14/16	376	
1367	588	11/14/16	588	
1368	1,372	11/11/16	1,372	
1369	1,335	11/11/16	1,335	
1370	683	11/12/16	683	
1371	778	11/12/16	778	
1372	789	11/12/16	789	
1373	804	11/12/16	804	
1374	886	11/12/16	886	
1375	975	11/14/16	975	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1376	120			Transect could not be surveyed due to shallow waters
1377	365	11/14/16	365	
1378	593	11/14/16	593	
1379	206	11/14/16	206	
1380	147	5/12/17	147	
1381	1,037	11/15/16	1,037	Supplemental transect added near Cayo La Chiva
1382	1,380	11/15/16	1,380	Supplemental transect added near Cayo La Chiva
1383	642	11/16/16	642	Supplemental transect added near Cayo La Chiva
1384	129	11/16/16	129	Supplemental transect added near Cayo La Chiva
1385	406	11/15/16	406	Supplemental transect added near Cayo La Chiva
1386	361	11/15/16	361	Supplemental transect added near Cayo La Chiva
1387	251	11/15/16	251	Supplemental transect added near Cayo La Chiva
1388	121	11/16/16	121	Supplemental transect added near Cayo La Chiva
1389	394	11/15/16	394	Supplemental transect added near Cayo La Chiva
1390	505	11/15/16	505	Supplemental transect added near Cayo La Chiva
1391	409	11/15/16	409	Supplemental transect added near Cayo La Chiva
1392	284	11/15/16	284	Supplemental transect added near Cayo La Chiva
1401	422	12/5/16	422	
1402	141	12/5/16	141	
1403	94	12/5/16	94	
1404	565	11/3/16	565	
1405	674	11/3/16	644	30 meters removed from this transect due to coral reef
1406	449	11/3/16	449	
1407	126	11/3/16	100	26 meters removed from this transect due to shallow waters and coral obstructions
1408	469	11/3/16	469	
1409	2,672	11/3/16	2,672	
1410	510	11/10/16	510	
1411	322	11/10/16	322	
1412	593	11/10/16	593	
1413	63	11/10/16	63	
1414	84	11/10/16	84	
1415	51			Transect could not be surveyed due to shallow waters
1416	62			Transect could not be surveyed due to shallow waters
1417	187	11/10/16	187	
1418	1,141	11/2/16	1,141	
1419	1,009	11/2/16	1,009	
1420	319	11/2/16	319	Transects location was offset to the south due to shallow waters
1421	2,397	11/3/16	2,397	
1422	2,167	11/3/16	2,167	
1423	1,736	11/3/16	1,736	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1424	933	11/3/16	933	
1425	961	11/9/16	961	
1426	164	11/9/16	164	
1427	195	11/9/16	195	
1428	320	11/9/16	320	
1429	174	11/9/16	174	
1430	145	11/9/16	220	75 meters added to this transect to fill a coverage gap
1431	82	11/9/16	82	
1432	382	11/3/16	382	
1433	437	11/3/16	437	
1434	596	11/3/16	596	
1435	927	11/9/16	927	
1436	417	11/10/16	417	
1437	93	11/10/16	93	
1438	54	11/9/16	54	
1439	180	11/9/16	180	
1440	81	11/10/16	81	
1441	632	11/10/16	632	
1442	266	11/10/16	266	
1443	221	11/10/16	221	
1444	448	11/10/16	448	
1445	172	11/9/16	172	
1446	228	11/10/16	228	
1447	162	11/10/16	162	
1448	365	11/10/16	365	
1449	132	11/10/16	132	
1450	430	11/10/16	430	
1451	220	11/10/16	220	
1452	314	11/10/16	439	125 meters added to this transect to fill a coverage gap
1453	824	11/10/16	824	
1454	501	11/10/16	501	
1455	531	11/12/16	531	
1456	561	11/12/16	561	
1457	454	11/12/16	454	
1458	1,109	11/12/16	1,109	
1459	529	11/12/16	529	
1460	476	11/12/16	526	50 meters added to this transect to fill a coverage gap
1461	338	11/12/16	368	30 meters added to this transect to fill a coverage gap
1462	164	11/12/16	164	
1463	163	11/12/16	163	
1464	387	11/12/16	387	
1465	162	11/12/16	162	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1466	202	11/12/16	302	100 meters added to this transect to fill a coverage gap
1467	264			Transect could not be surveyed due to shallow waters
1468	97			Transect could not be surveyed due to shallow waters
1469	733	11/10/16	733	
1470	754	11/10/16	754	
1471	1,159	11/19/16	1,159	
1472	305	11/19/16	305	
1473	167	11/19/16	167	
1474	1,236	11/19/16	1,236	
1475	86	11/19/16	86	
1476	670	11/19/16	670	
1477	210	11/19/16	210	
1478	255	11/19/16	255	
1479	235	11/19/16	235	
1480	187	11/19/16	187	
1481	173	11/19/16	173	
1482	424	12/4/16	424	
1483	138			Transect could not be surveyed due to shallow waters and coral obstructions
1484	91			Transect could not be surveyed due to shallow waters
1485	495	11/19/16	495	
1486	143	11/19/16	143	
1487	356	11/19/16	356	
1488	100	11/19/16	100	
1489	882	12/4/16	882	
1490	2,469	12/4/16	2,469	
1491	367	4/15/17	367	
1492	110	4/15/17	110	
1493	768			Transect could not be surveyed due to shallow waters and coral obstructions
1494	422			Transect could not be surveyed due to shallow waters and coral obstructions
1495	266	5/12/17	266	
1496	1,932	12/4/16	1,932	
1497	2,930	12/4/16	2,930	
1498	93	12/4/16	93	
1499	87	12/4/16	87	
1500	258	12/5/16	258	
1501	251	12/5/16	251	
1502	497	12/5/16	497	
1503	481	12/5/16	481	
1504	480	12/5/16	480	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1505	311	12/4/16	311	
1506	92	12/4/16	92	
1507	142	12/4/16	142	
1508	186	12/4/16	186	
1509	76	12/4/16	76	
1510	110	12/4/16	110	
1511	301	12/4/16	301	
1512	179	12/4/16	179	
1513	528	12/4/16	528	
1514	326	12/4/16	326	
1515	960	12/4/16	960	
1516	682	12/4/16	682	
1517	161	12/4/16	161	
1518	399	12/4/16	399	
1519	556	12/4/16	556	
1520	59	12/4/16	59	
1521	83	12/4/16	83	
1522	362	12/4/16	362	
1523	200	12/4/16	200	
1524	581	12/4/16	581	
1525	145	12/4/16	145	
1526	271	12/4/16	271	
1527	108	12/4/16	108	
1528	691	12/4/16	691	
1529	102	12/4/16	102	
1530	151	12/4/16	151	
1531	199	12/5/16	199	
1532	119	12/4/16	119	
1533	214	12/5/16	214	
1534	251	12/5/16	251	
1535	221	12/4/16	221	
1536	289	4/15/17	289	
1537	116	4/15/17	116	
1538	893	12/5/16	893	
1539	553	12/5/16	553	
1540	376	4/15/17	376	
1541	84			Transect could not be surveyed as no bathymetry data was available and coral was present on a sloping seafloor
1542	80			Transect could not be surveyed as no bathymetry data was available and coral was present on a sloping seafloor

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1543	60	11/10/16	60	
1544	197	12/4/16	197	
1545	96	12/4/16	96	
1601	956	5/13/16	956	
1602	99	4/13/17	99	
1603	131	5/13/16	131	
1604	227	5/6/16	227	
1605	367	5/6/16	367	
1606	544	5/6/16	544	
1607	290	5/13/16	290	
1608	326	5/13/16	326	
1609	319	5/13/16	319	
1610	381	5/13/16	381	
1611	478	5/13/16	478	
1612	283	5/13/16	283	
1613	485	5/6/16	485	
1614	559	5/6/16	559	
1615	487	5/6/16	487	
1616	1,094	5/6/16	1,094	
1617	246	4/13/17	166	80 meters removed from this transect due to shallow waters
1618	226	4/13/17	136	90 meters removed from this transect due to shallow waters
1619	502	5/13/16	502	
1620	233	5/13/16	233	
1621	448	5/13/16	448	
1622	755	5/13/16	755	
1623	346	4/13/17	346	
1624	944	5/4/16	944	
1625	2,228	5/4/16	2,228	
1626	835	5/4/16	835	
1627	3,296	5/6/16	3,296	
1628	2,981	5/6/16	2,981	
1629	1,611	5/6/16	1,611	
1630	138	5/11/16	138	
1631	129	5/11/16	129	
1632	1,540	5/6/16	1,540	
1633	2,023	5/9/16	2,023	
1634	2,315	5/11/16	2,315	
1635	250	5/11/16	250	
1636	982	5/11/16	982	
1637	765	5/11/16	765	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1638	231	5/11/16	231	
1639	392	5/9/16	392	
1640	2,084	5/11/16	2,084	
1641	2,340	5/11/16	2,340	
1642	453	5/13/16	453	
1643	320	5/13/16	320	
1644	1,567	5/3/16	1,567	
1645	1,428	5/4/16	1,428	
1646	1,297	4/13/17	1,297	
1647	121	5/13/16	121	
1648	1,067	5/4/16	1,067	
1649	771	5/13/16	771	
1650	147	5/13/16	147	
1651	180	5/4/16	180	
1652	1,269	5/3/16	1,269	
1653	1,372	5/3/16	1,372	
1654	634	5/3/16	634	
1655	556	4/13/17	556	
1656	578	4/13/17	578	
1657	900	5/3/16	900	
1658	815	5/4/16	815	
1659	213	5/4/16	213	
1660	517	5/4/16	517	
1661	314	5/4/16	314	
1662	153	5/4/16	153	
1663	240	5/4/16	240	
1664	129	5/4/16	129	
1665	451	5/4/16	451	
1666	319	5/4/16	319	
1667	144	5/4/16	144	
1668	331	5/4/16	331	
1669	374	5/4/16	374	
1670	424	5/9/16	424	
1671	622	5/6/16	622	
1672	460	4/13/17	460	
1673	2,056	5/9/16	2,056	
1674	2,175	5/9/16	2,175	
1675	586	4/13/17	586	
1676	145	4/13/17	145	
1677	99	5/13/16	99	
1678	89	5/12/17	89	
1679	219	5/13/16	219	

Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1680	771	5/13/16	771	
1681	147	5/13/16	147	
1682	514	4/13/17	514	
1683	365	4/13/17	365	
1684	833	5/2/16	833	
1685	516	4/13/17	516	
1686	461	4/13/17	461	
1687	3,644	4/12/17	3,644	
1688	628	5/9/16	628	
1689	1,258	5/2/16	1,258	
1690	198	5/2/16	198	
1691	223	5/2/16	223	
1692	401	5/2/16	401	
1693	981	5/1/16	981	
1694	432	5/1/16	432	
1695	1,170	5/1/16	1,170	
1696	892	5/1/16	892	
1697	614	5/1/16	614	
1698	765	5/1/16	765	
1699	687	5/2/16	687	
1700	297	5/3/16	297	
1701	447	5/3/16	447	
1702	391	5/3/16	391	
1703	754	4/15/17	634	120 meters removed from this transect due to shallow waters
1704	2,708	11/6/16	1,300	1,408 meters removed from this transect due to shallow waters and obstructions
1705	2,897	11/6/16	2,897	
1706	3,483	4/11/17	3,483	
1707	3,324	4/14/17	3,324	
1708	481	4/14/17	481	
1709	1,822	4/14/17	1,822	
1710	1,243	4/14/17	1,243	
1711	763	4/14/17	763	
1712	1,057	4/11/17	1,057	
1713	1,522	4/14/17	1,522	
1714	1,527	4/14/17	1,527	
1715	1,589	4/14/17	1,589	
1716	316	4/14/17	316	
1717	1,279	4/15/17	1,379	100 meters added to this transect to fill a coverage gap
1718	551	11/6/16	751	200 meters added to this transect to fill a coverage gap
1719	245	11/6/16	245	

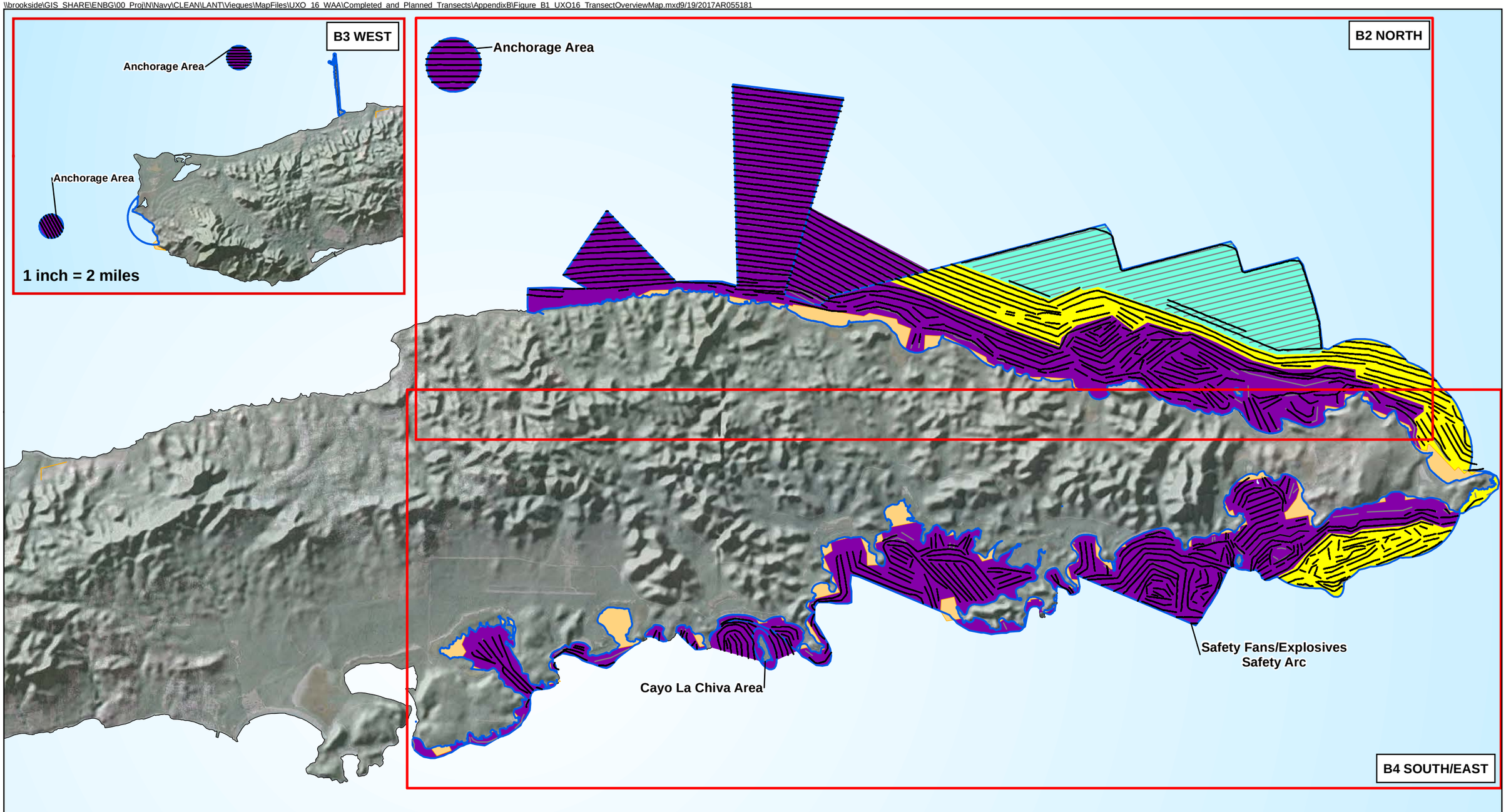
Table B-1

UXO 16 Wide Area Assessment Transect Log

Underwater Wide Area Assessment

Vieques, Puerto Rico

Transect Number	Planned Transect Length (meters)	Date Complete	Actual Transect Length (meters)	Comments
1720	198	5/2/16	198	
1721	392	5/2/16	392	
1722	407	5/2/16	407	
1723	496	4/15/17	496	
1724	254	4/15/17	254	
1725	772	4/27/16	518	127 meters removed from this transect due to boom obstruction
1726	324	4/27/16	324	
1727	628	4/27/16	628	
1728	318	4/27/16	318	
1729	1,196	11/5/16	1,196	
1730	312	4/27/16	312	
1731	337	4/27/16	337	
1732	834	11/5/16	814	20 meters removed from this transect due to shallow waters
1733	596	11/5/16	626	30 meters added to this transect to fill a coverage gap
1734	351	11/5/16	351	
1735	1,951	11/6/16	1,951	
1736	370	11/6/16	370	
1737	319	11/6/16	319	
1738	167	11/6/16	167	
1739	142	11/6/16	142	
1740	954	4/15/17	664	290 meters removed from this transect due to shallow waters
1741	197	4/15/17	197	
1742	388	4/15/17	388	
1743	852	4/15/17	852	
1744	191	4/15/17	291	100 meters added to this transect to fill a coverage gap
1745	839	4/15/17	939	100 meters added to this transect to fill a coverage gap
1746	679	4/15/17	679	
1747	155	4/15/17	155	
1748	205	4/15/17	205	
1749	749	4/15/17	749	
1750	581	4/15/17	581	
1751	387	4/15/17	387	
1752	146	5/1/16	146	
1753	178	4/15/17	278	100 meters added to this transect to fill a coverage gap

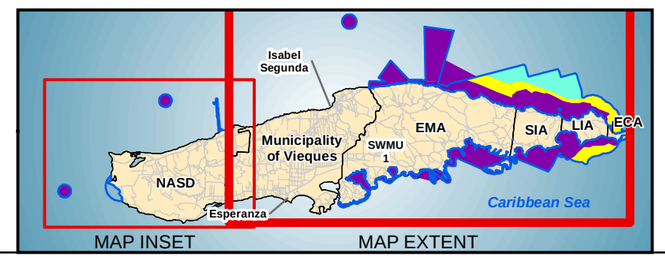


Legend

- Completed Transects
- Planned Transects
- UXO 16
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or rough sea conditions

Survey

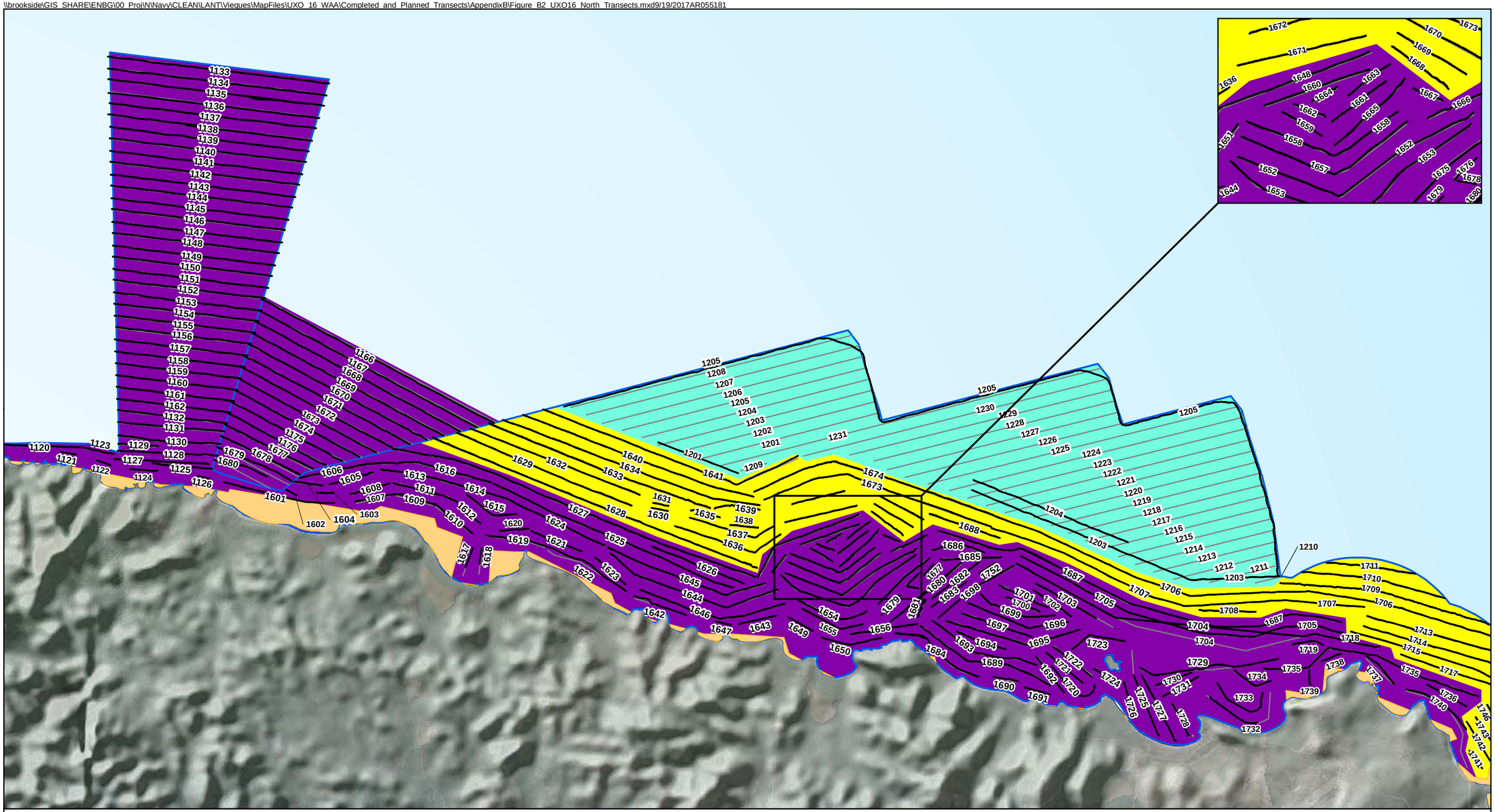
- Priority 1
- Priority 2
- Priority 3



N
W E
S

0 0.5 1 Miles

Figure B-1
UXO 16 Proposed and Completed Transects Overview Map
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

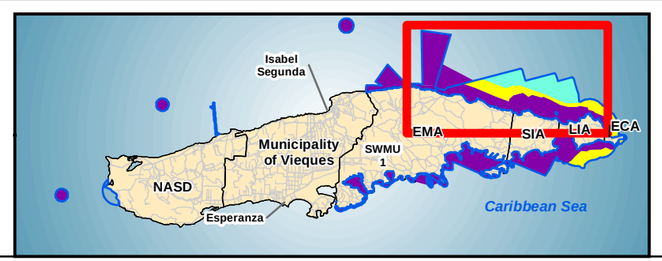


Legend

- Completed Transects
- Planned Transects
- UXO 16
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or rough sea conditions

Survey

- Priority 1
- Priority 2
- Priority 3

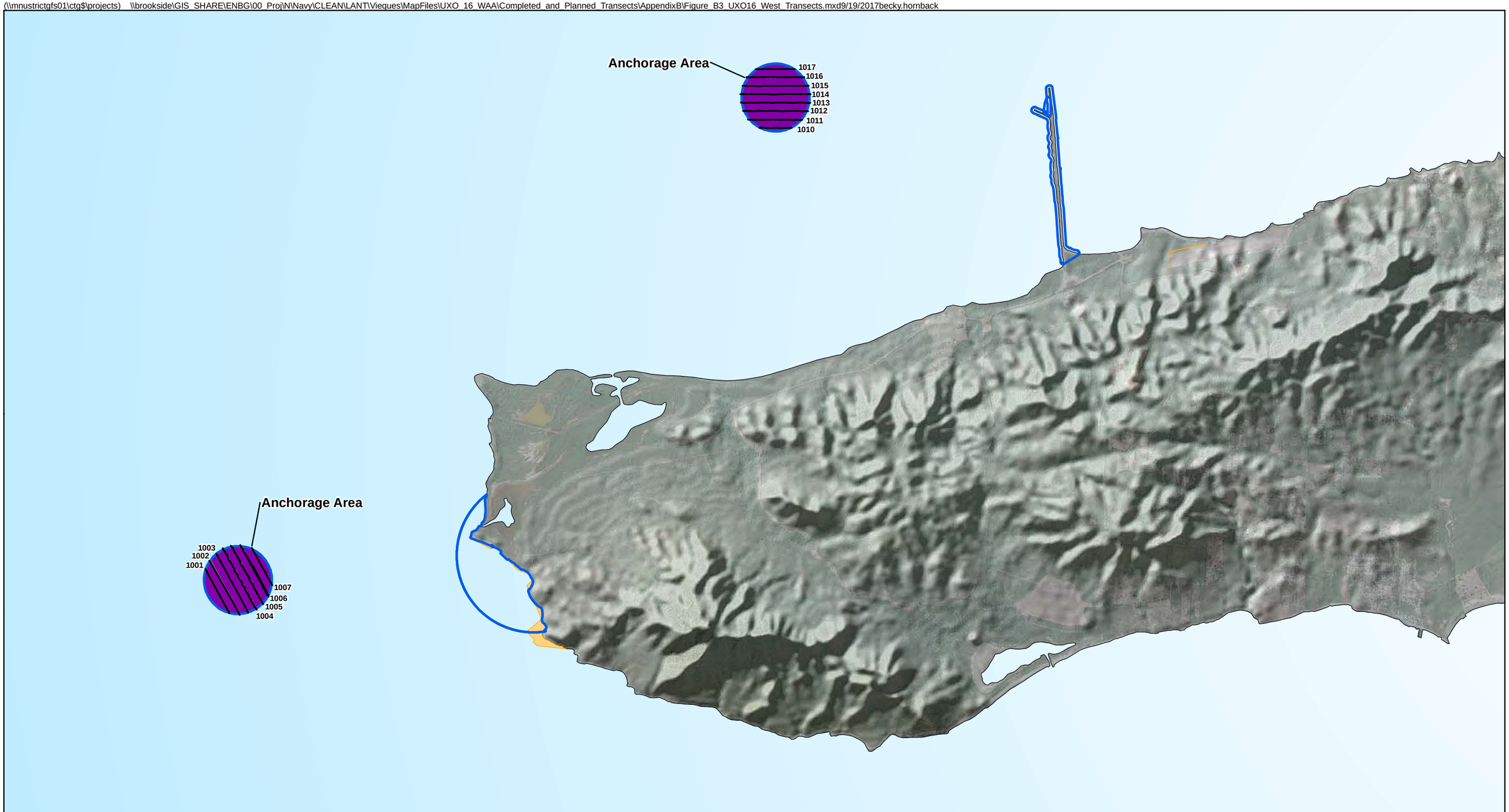


N
W E
S

0 0.25 0.5 Miles

Figure B-2
UXO 16 Proposed and Completed Transect Numbers (North)
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

(\\mnustrictgfs01\ctg$\projects) \\brookside\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Completed_and_Planned_Transects\AppendixB\Figure_B3_UXO16_West_Transects.mxd9/19/2017becky.hornback

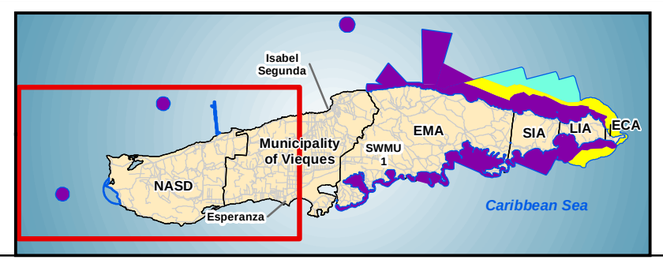


Legend

- Completed Transects
- Planned Transects
- UXO 16
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or rough sea conditions

Survey

- Priority 1
- Priority 2
- Priority 3

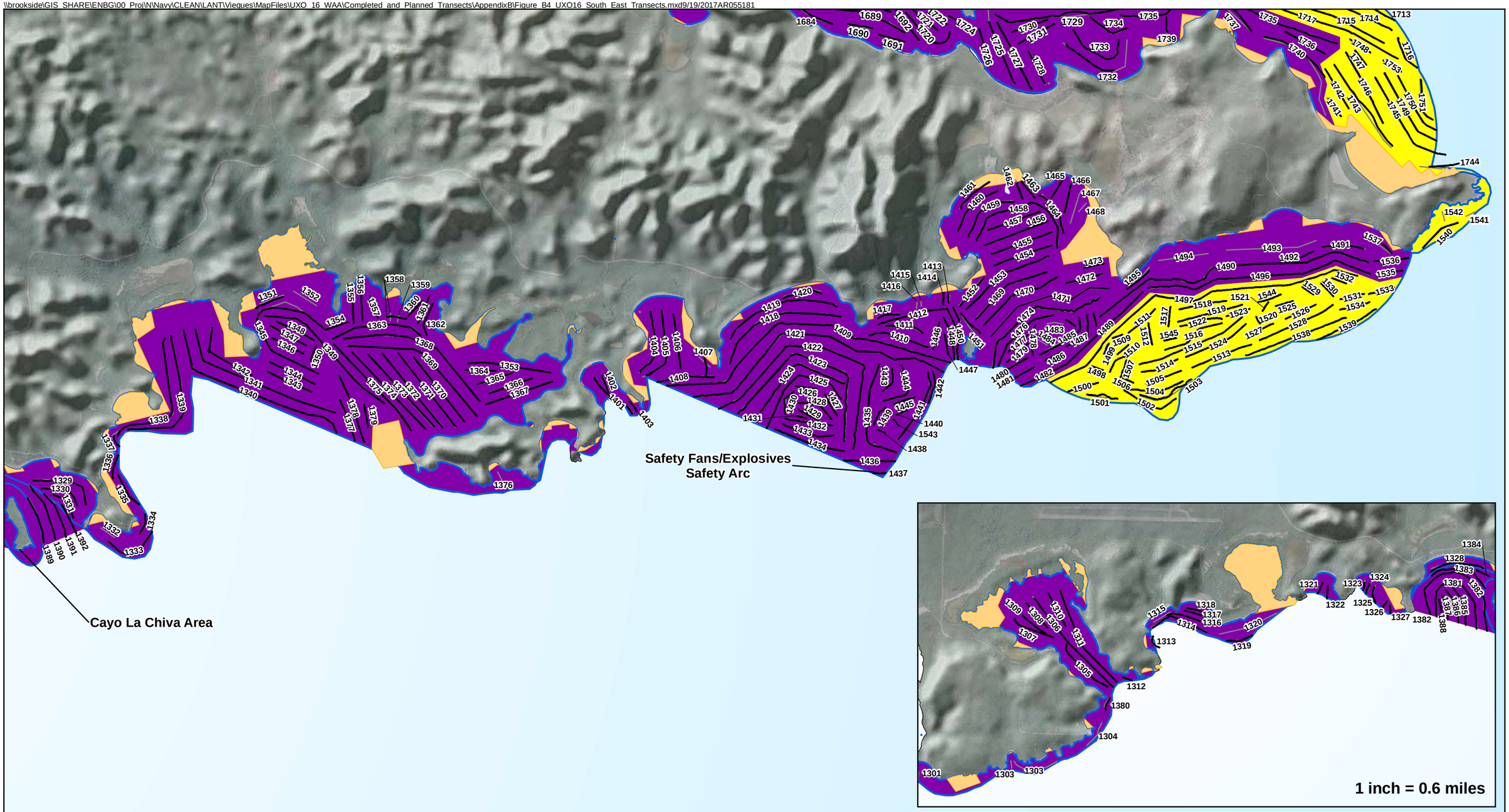


N
W E
S

0 0.35 0.7 Miles

Figure B-3
UXO 16 Proposed and Completed Transect Numbers (West)
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

\\brookside\GIS_SHARE\ENBG\00_Proj\N\Navy\CLEAN\LANT\Vieques\MapFiles\UXO_16_WAA\Completed_and_Planned_Transects\AppendixB\Figure_B4_UXO16_South_East_Transects.mxd9/19/2017AR055181

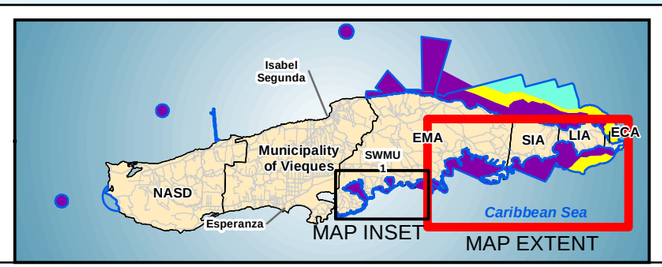


Legend

- Completed Transects
- Planned Transects
- UXO 16
- Side scan sonar survey could not be conducted in area due to shallow depth conditions, reefs, and/or rough sea conditions

Survey

- Priority 1
- Priority 2
- Priority 3



N W E S

0 0.25 0.5 Miles

Figure B-4
UXO 16 Proposed and Completed Transect Numbers (South/East)
Underwater Wide Area Assessment
Former VNTR
Vieques, Puerto Rico

Appendix C
Contractor Quality Control Reports, Production Reports, and Preparatory Phase Checklists

Contractor Quality Control Reports (3/10/16 to 5/12/17)

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/07/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 001
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☒	☐
2	Mobilization/Site Preparation	☒	☐	☐
3	DGM Survey	☒	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☒ YES ☐ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
Mobilization/Site Preparation	All personnel and equipment onsite and chartering meeting held	2
DGM Survey	Site reconnaissance and ground truthing of planned survey transects	3

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☒ Follow up ☐	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/07/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 001
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	initial safety inspection (USCG)
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

07 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

07 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/08/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 002
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☒	☐
2	Mobilization/Site Preparation	☒	☐	☐
3	DGM Survey	☒	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☒ YES ☐ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
Mobilization/Site Preparation	All personnel and equipment onsite and chartering meeting held	2
DGM Survey	Site reconnaissance and ground truthing of planned survey transects	3

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☒ Follow up ☐	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/08/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 002
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

08 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

08 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 003
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 003
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

09 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

09 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 004
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 004
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

10 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

10 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 005
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 005
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

11 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

11 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 006
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 006
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	initial inspection by R. Fonda
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	initial inspection by R. Fonda
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	initial inspection by M. Padover
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

14 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

14 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/15/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 007
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/15/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 007
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

15 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

15 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 008
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☒	☐
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☒ Follow up ☐	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 008
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

16 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

16 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 009
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☒	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☒ Follow up ☐	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 009
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

17 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

17 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 010
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☒	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☒ YES ☐ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.
DGM Data Evaluation and Documentation	Positioning/filtering geophysical data, distribution analysis, video review	4

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 010
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	18 Mar 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	18 Mar 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 011
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☒	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☒ Follow up ☐	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 011
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	19 Mar 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	19 Mar 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 012
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 012
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

21 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

21 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 013
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 013
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

22 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

22 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/23/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 014
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/23/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 014
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

23 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

23 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/24/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 015
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 3/24/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 015
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

24 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

24 Mar 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 016
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 016
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

12 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

12 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 017
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 017
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

14 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

14 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 018
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 018
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

16 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

16 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 019
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 019
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	17 Apr 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	17 Apr 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 020
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 020
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

18 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

18 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 021
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 021
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	19 Apr 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	19 Apr 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/20/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 022
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/20/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 022
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

20 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

20 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 023
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 023
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

21 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

21 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 024
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 024
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

22 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

22 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/25/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 025
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/25/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 025
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 25 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 25 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/26/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 026
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/26/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 026
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 26 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 26 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/27/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 027
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/27/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 027
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 27 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 27 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/28/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 028
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/28/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 028
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 28 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 28 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/29/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 029
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/29/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 029
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 29 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 29 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/30/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 030
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/30/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 030
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 30 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 30 Apr 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/01/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 031
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/01/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 031
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 1 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 1 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 032
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 032
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 2 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 2 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 033
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 033
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	3 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	3 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 034
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 034
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	4 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	4 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 035
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 035
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

5 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

5 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 036
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 036
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	6 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	6 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/07/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 037
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/07/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 037
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	7 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	7 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 038
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 038
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	9 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	9 May 2016
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 039
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 039
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 10 May 2016

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 10 May 2016

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 040
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 040
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 11 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 11 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 041
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 041
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 12 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 12 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/13/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 042
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/13/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 042
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 13 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 13 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 043
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 043
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 14 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 14 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 044
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 044
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 16 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 16 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 045
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 045
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 17 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 17 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 046
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 046
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 18 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 18 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 047
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 047
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 19 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 19 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/20/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 048
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/20/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 048
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 20 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 20 May 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 049
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 049
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 2 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 2 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 050
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 050
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 3 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 3 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 051
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 051
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 4 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 4 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 052
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 052
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 5 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 5 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 053
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 053
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 6 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 6 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 054
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/09/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 054
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 9 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 9 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 055
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/10/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 055
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 10 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 10 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 056
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/11/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 056
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 11 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 11 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 057
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/12/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 057
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 12 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 12 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 058
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/14/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 058
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 14 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 14 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/15/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 059
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/15/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 059
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 15 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 15 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 060
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/16/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 060
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 16 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 16 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 061
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/17/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 061
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 17 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 17 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 062
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/18/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 062
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 18 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 18 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 063
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/19/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 063
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 19 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 19 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 064
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/21/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 064
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

21 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

21 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 065
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/22/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 065
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

22 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

22 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/23/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 066
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/23/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 066
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

23 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

23 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/24/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 067
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/24/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 067
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

24 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

24 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/25/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 068
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/25/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 068
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

25 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

25 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/26/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 069
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/26/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 069
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

26 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

26 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/27/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 070
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/27/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 070
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

27 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

27 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/28/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 071
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/28/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 071
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

28 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

28 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/29/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 072
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 11/29/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 072
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

29 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

29 Nov 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 073
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/02/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 073
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 02 Dec 2016

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 02 Dec 2016

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 074
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/03/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 074
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 03 Dec 2016

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 03 Dec 2016

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 075
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/04/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 075
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 04 Dec 2016

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 04 Dec 2016

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 076
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/05/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 076
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

05 Dec 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

05 Dec 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 077
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 12/06/16 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 077
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

06 Dec 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

06 Dec 2016

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/19/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 078
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/19/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 078
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	19 Jan 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	19 Jan 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/20/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 079
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/20/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 079
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 20 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 20 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/24/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 080
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/24/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 080
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 24 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 24 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/25/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 081
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/25/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 081
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 25 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 25 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/27/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 082
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/27/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 082
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 27 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 27 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/28/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 083
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/28/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 083
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 28 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 28 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/29/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 084
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/29/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 084
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 29 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 29 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/30/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 085
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/30/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 085
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE	DATE
	30 Jan 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE	DATE
	30 Jan 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/31/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 086
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 01/31/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 086
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

31 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

31 Jan 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/01/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 087
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/01/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 087
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	01 Feb 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	01 Feb 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 088
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 088
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

04 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

04 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/07/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 089
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/07/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 089
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

07 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

07 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 090
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 090
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

08 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

08 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/09/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 091
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/09/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 091
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

09 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

09 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 092
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 092
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

10 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

10 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 093
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 093
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 11 Feb 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 11 Feb 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/13/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 094
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/13/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 094
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 13 Feb 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 13 Feb 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/14/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 095
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 02/14/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 095
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

14 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

14 Feb 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/31/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 096
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 03/31/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 096
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

31 Mar 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

31 Mar 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/01/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 097
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/01/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 097
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

01 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

01 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/03/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 098
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/03/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 098
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

03 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

03 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 099
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 099
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 04 Apr 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 04 Apr 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/05/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 100
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/05/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 100
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

05 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

05 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/07/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 101
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/07/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 101
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

07 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

07 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 102
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 102
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

08 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

08 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/09/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 103
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/09/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 103
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

09 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

09 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 104
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 104
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

10 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

10 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 105
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 105
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

	11 Apr 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

	11 Apr 2017
PROJECT QC MANAGER'S SIGNATURE	DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/12/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 106
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/12/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 106
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 12 Apr 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 12 Apr 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/13/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 107
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/13/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 107
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

PROJECT QC MANAGER'S SIGNATURE — DATE: 13 Apr 2017

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

PROJECT QC MANAGER'S SIGNATURE — DATE: 13 Apr 2017

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/14/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 108
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/14/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 108
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 14 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 14 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/15/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 109
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/15/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 109
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 15 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 15 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/16/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 110
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/16/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 110
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 16 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 16 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/17/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 111
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/17/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 111
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 17 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 17 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/18/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 112
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/18/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 112
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 18 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 18 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/19/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 113
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/19/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 113
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 19 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 19 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/20/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 114
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/20/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 114
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 20 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 20 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/21/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 115
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/21/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 115
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 21 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 21 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/24/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 116
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/24/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 116
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 24 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 24 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/25/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 117
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/25/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 117
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 25 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 25 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/26/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 118
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/26/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 118
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 26 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 26 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/27/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 119
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/27/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 119
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 27 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 27 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/28/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 120
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/28/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 120
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 28 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 28 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/29/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 121
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 04/29/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 121
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Jerry R. Fields Jr. — 29 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Jerry R. Fields Jr. — 29 Apr 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/02/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 122
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/02/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 122
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 02 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 02 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/03/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 123
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/03/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 123
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 03 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 03 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 124
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/04/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 124
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 04 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 04 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/05/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 125
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/05/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 125
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 05 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 05 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/06/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 126
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/06/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 126
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 06 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 06 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 127
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/08/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 127
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 08 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 08 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 128
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/10/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 128
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 10 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 10 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 129
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/11/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 129
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A			SIGNATURE OF INSPECTOR:	N/A		
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A						
NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 11 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 11 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/12/17 REVISION NO: 0 REVISION DATE:

CTO NO: 0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 130
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAFETY MEETINGS AND INSPECTIONS

WAS A SAFETY MEETING HELD THIS DAY?	☒ YES	☐ NO	IF YES, ATTACH SAFETY MEETING MINUTES
WAS CRANE USED ON THE SITE THIS DAY?	☐ YES	☒ NO	IF YES, ATTACH DAILY CRANE REPORT OF INSPECTION AND CONTRACTOR CRANE OPERATION CHECKLIST

DEFINABLE FEATURES OF WORK STATUS

DFOW No.	Definable Feature Of Work	Preparatory	Initial	Follow-Up
1	Pre-mobilization Activities	☐	☐	☒
2	Mobilization/Site Preparation	☐	☐	☒
3	DGM Survey	☐	☐	☒
4	DGM Data Evaluation and Documentation	☐	☐	☒
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐
15		☐	☐	☐

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? ☐ YES ☒ NO

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

DFOW No.(from list above).	TASK/ACTIVITY	PREPARATORY PHASE REPORT NO.

INITIAL AND FOLLOW-UP FEATURE OF WORK COMMENTS

DFOW No.(from list above)	Phase	Comment/Finding/Action
Pre-mobilization Activities	Initial ☐ Follow up ☒	Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established,
Mobilization/Site Preparation	Initial ☐ Follow up ☒	Equipment and personnel onsite, coordination with local agencies and logistical support staff, finalize schedule, conduct site – specific training, verify roles and responsibilities
DGM Survey	Initial ☐ Follow up ☒	System setup complete and operable, IVS test area established, IVS static and GPS function tests conducted daily, DGM surveys along established transect lines, video imaging of seafloor during DGM surveys
DGM Data Evaluation and Documentation	Initial ☐ Follow up ☒	Positioning and filtering of geophysical data, QC of geophysical data, target selection, density distribution analysis, and video review of transects
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	
	Initial ☐ Follow up ☐	

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)			**REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)**	
TASK/ACTIVITY	DATE ISSUED	DESCRIPTION	TASK/ACTIVITY	CORRECTIVE ACTION(S) TAKEN

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR QUALITY CONTROL REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REPORT DATE: 05/12/17 REVISION NO: 0 REVISION DATE:

CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 130
PROJECT NO: 491944.FI.FK.UW	PROJECT QC MANAGER: Lora Pride	SITE H&S SPECIALIST: Lora Pride

SAMPLING/TESTING PERFORMED

SAMPLING/TESTING PERFORMED	SAMPLING/TESTING COMPANY	SAMPLING/TESTING PERSONNEL
None		

MATERIALS/EQUIPMENT INSPECTION (Materials received and inspected against specifications)

MATERIAL/EQUIPMENT DESCRIPTION	SPECIFICATION	MATERIAL ACCEPTED?	COMMENT/REASON/ACTION
R/V Charlie Morris (36'vessel)	MUN599PKG11	YES ☒ NO ☐	daily safety inspection (USCG)
Magnetometer = MarineMag Array x5	Geometrics, Inc/G882	YES ☒ NO ☐	daily inspection
GPS = Atlas Link to Trimble MS750 x2	Trimble	YES ☒ NO ☐	daily inspection
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	Edgetech	YES ☒ NO ☐	daily inspection
		YES ☐ NO ☐	
		YES ☐ NO ☐	
		YES ☐ NO ☐	

SUBMITTALS INSPECTION / REVIEW

SUBMITTAL NO	SUBMITTAL DESCRIPTION	SPEC/PLAN REFERENCE	SUBMITTAL APPROVED?	COMMENT/REASON/ACTION
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	
			YES ☐ NO ☐	

OFF-SITE SURVEILLANCE ACTIVITIES, INCLUDING ACTIONS TAKEN: None

ACCUMULATION/STOCKPILE AREA INSPECTION N/A

INSPECTION PERFORMED BY:	N/A	SIGNATURE OF INSPECTOR:	N/A
ACCUMULATION/ STOCKPILE AREA LOCATION	N/A		

NO OF CONTAINERS:	N/A	NO OF TANKS:	N/A	NO OF ROLL-OFF BOXES:	N/A	NO OF DRUMS:	N/A

INSPECTION RESULTS: N/A

TRANSPORTATION AND DISPOSAL ACTIVITIES/SUMMARY/QUANTITIES:

N/A

GENERAL COMMENTS (rework, directives, etc.):

LIST OF ATTACHMENTS (examples, as applicable: preparatory phase checklist, QC meeting minutes, safety meeting minutes, crane inspections, crane operation checklist, COCs, weight tickets, manifests, profiles, rework item list, testing plan and log, etc.):

On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report.

Lora Pride — 12 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

On behalf of the contractor, I attest that the work for which payment is requested, including stored material, is in compliance with contract requirements.

Lora Pride — 12 May 2017

PROJECT QC MANAGER'S SIGNATURE — DATE

Contractor Production Reports
(3/7/16 to 5/12/17)

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/07/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 001
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~72°F	PM WEATHER: partly cloudy, mild ~80°F	MAX TEMP: 83°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

- Performed site reconnaissance around Vieques
-No transects surveyed today

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	6
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	18
			Total On-Site Hours This Date	24
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	24
			Total Work Hours From Start of Construction	24

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
R/V Charlie Morris (36'vessel)	HDR Environmental	MUN599PKG11	J. Scott	15 ton gross

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	J. Scott/M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None – reconnaissance day around Vieques Island

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				07 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/07/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 001

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/QC/SSO	CH2M HILL	Project Scientist	6
Mark Padover	Field Team Leader	ASI		6
Scott Kruithof	Assistant/Deckhand	ASI		6
Joshua Bermudez	Site Recon Oversight	Trapper John		6

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

07 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/08/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 002
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: light rain, windy ~72°F	PM WEATHER: light rain, windy ~76°F	MAX TEMP: 76°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

- No boat work done today
- Kickoff meetings held with CH2M HILL, ASI, HDR, and NAVFAC
- Began setup of the DGM equipment on the vessel

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	N/A
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	N/A
			Total On-Site Hours This Date	N/A
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	24
			Total Work Hours From Start of Construction	24

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None – kickoff meeting held with client and subcontractor

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				08 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/08/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 002

MEETING ATTENDEES

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	
Bill Hannah	Project Manager	CH2M HILL	Project Manager	
Renee Hunt	Task Manager	CH2M HILL	Task Manager	
Brett Doerr	Activity Manager	CH2M HILL	Activity Manager	
Matt Barner	DGM QA	CH2M HILL	DGM QA	
Kevin Cloe	Navy Client	NAVFAC	Navy Client	
Madeline Rivera	Navy Client	NAVFAC	Navy Client	
Kenneth Hayes	Subcontractor President	ASI	Subcontractor President	
Jon Doi	Project Manager	ASI	Project Manager	
Mark Padover	Field Team Leader	ASI	Field Team Leader	
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	
Raul Fonda	Geophysicist	HDR	Geophysicist	
Jeff Snyder	Geophysicist	HDR	Geophysicist	

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

08 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/09/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 003
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, windy ~72°F	PM WEATHER: partly cloudy, windy ~80°F	MAX TEMP: 80°F / MIN TEMP: 71°F

SUMMARY OF WORK PERFORMED TODAY

- No boat work done today
- Continued boat and equipment setup at dock

JOB

Was A Job Safety Meeting Held This Date?	☐ Yes	☒ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	N/A
Subcontractor On-Site Hours	N/A
Total On-Site Hours This Date	N/A
Cumulative Total of Work Hours From Previous Report	24
Total Work Hours From Start of Construction	24

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None – equipment was setup on dock; rough seas in afternoon prevented starting survey work; small craft advisory – seas 7-9 ft with north winds 15-20 knots

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				09 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/09/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 003

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	
Matt Barner	DGM QA	CH2M HILL	DGM QA	
Kenneth Hayes	Subcontractor President	ASI	Subcontractor President	
Jon Doi	Project Manager	ASI	Project Manager	
Mark Padover	Field Team Leader	ASI	Field Team Leader	
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	
Raul Fonda	Geophysicist	HDR	Geophysicist	
Jeff Snyder	Geophysicist	HDR	Geophysicist	

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

09 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/10/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 004
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott

AM WEATHER: partly cloudy, windy ~72°F	PM WEATHER: partly cloudy, windy ~80°F	MAX TEMP: 80°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- No boat work done today
- Continued boat and equipment setup at dock

JOB

Was A Job Safety Meeting Held This Date?	☐ Yes	☒ No	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No	
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	N/A
Subcontractor On-Site Hours	N/A
Total On-Site Hours This Date	N/A
Cumulative Total of Work Hours From Previous Report	24
Total Work Hours From Start of Construction	24

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None – equipment was setup on dock; rough seas prevented starting survey work; small craft advisory – seas 7-9 ft with north winds 15-20 knots

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				10 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/10/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 004

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	
Matt Barner	DGM QA	CH2M HILL	DGM QA	
Mark Padover	Field Team Leader	ASI	Field Team Leader	
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	
Raul Fonda	Geophysicist	HDR	Geophysicist	
Jeff Snyder	Geophysicist	HDR	Geophysicist	

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

10 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/11/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 005
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, windy ~72°F	PM WEATHER: partly cloudy, windy ~80°F	MAX TEMP: 80°F / MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

- No boat work done today
- Continued boat and equipment setup at dock

JOB

Was A Job Safety Meeting Held This Date?	☐ Yes	☒ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	N/A
Subcontractor On-Site Hours	N/A
Total On-Site Hours This Date	N/A
Cumulative Total of Work Hours From Previous Report	24
Total Work Hours From Start of Construction	24

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None – equipment was setup on dock; rough seas prevented starting survey work; small craft advisory – seas 7-9 ft with north winds 15-20 knots

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				11 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/11/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 005

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	
Raul Fonda	Geophysicist	HDR	Geophysicist	
Jeff Snyder	Geophysicist	HDR	Geophysicist	

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/14/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 006
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~75°F	PM WEATHER: partly cloudy, mild ~80°F	MAX TEMP: 81°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

- Potential IVS area surveyed, but not magnetometer scanned

PLAN FOR TOMORROW – complete establishment of IVS; begin magnetometer surveys starting in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	30
			Total On-Site Hours This Date	37.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	24
			Total Work Hours From Start of Construction	61.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 1 = 882266	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 2 = 882265	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 3 = 882260	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 4 = 882259	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 5 = 882267	R. Fonda	
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	EdgeTech	45236	M. Padover	
GPS = Atlas Link to Trimble MS750	Trimble	Antenna 1 = 1441036096	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Antenna 2 = 1441045110	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Receiver 1 = 0220219981	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Receiver 2 = 0220388974	R. Fonda	

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rougher seas in afternoon prevented magnetometer survey of potential IVS area

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				14 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/14/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 006

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	7.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	7.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Raul Fonda	Geophysicist	HDR	Geophysicist	7.5
Jeff Snyder	Geophysicist	HDR	Geophysicist	7.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

14 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/15/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 007
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~74°F	PM WEATHER: partly cloudy, mild ~80°F	MAX TEMP: 82°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- IVS area established, ISO installed and scanned in place

PLAN FOR TOMORROW –begin magnetometer surveys starting in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	47.5
			Total On-Site Hours This Date	58
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	61.5
			Total Work Hours From Start of Construction	119.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 1 = 882266	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 2 = 882265	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 3 = 882260	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 4 = 882259	R. Fonda	
Magnetometer = MarineMag Array	Geometrics, Inc/G882	Mag 5 = 882267	R. Fonda	
Sidescan Sonar = EdgeTech 4125 400/900 Towfish	EdgeTech	45236	M. Padover	
GPS = Atlas Link to Trimble MS750	Trimble	Antenna 1 = 1441036096	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Antenna 2 = 1441045110	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Receiver 1 = 0220219981	R. Fonda	
GPS = Atlas Link to Trimble MS750	Trimble	Receiver 2 = 0220388974	R. Fonda	

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				15 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/15/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 007

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	9.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	9.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	9.5
Raul Fonda	Geophysicist	HDR	Geophysicist	9.5
Jeff Snyder	Geophysicist	HDR	Geophysicist	9.5
Rob Irons	Geophysicist	HDR	Geophysicist	9.5
Dave Wright	Senior Technical Consultant	CH2M HILL	Senior Technical	1.0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

15 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/16/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 008
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, mild ~76°F	PM WEATHER: sunny, hot ~82°F	MAX TEMP: 82°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- None; GPS RTK unable to fix after completing daily morning IVS QC

PLAN FOR TOMORROW –begin magnetometer surveys starting in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	119.5
			Total Work Hours From Start of Construction	169.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	J. Snyder			
GPS	Atlas Link/Trimble	J. Snyder			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

GPS malfunction after morning IVS QC; spent day troubleshooting and trying to attain RTK fix

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				16 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/16/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 008

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Jeff Snyder	Geophysicist	HDR	Geophysicist	10
Rob Irons	Geophysicist	HDR	Geophysicist	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

16 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/18/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 010
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, mild ~76°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 83°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- None – project stand down due to altitude reconfigurations and adjustments; reanalysis of sonar data

PLAN FOR NEXT WEEK – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	222
			Total Work Hours From Start of Construction	227

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	J. Snyder			
GPS	Atlas Link/Trimble	J. Snyder			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Review of video from yesterday indicated the altitude requirements and the available sonar data of the seafloor were not compatible necessitating re-evaluation of mag array SOPs

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				18 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/18/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 010

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	1
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Don Nazario	Geophysicist	ASI	Geophysicist	1
Rob Irons	Geophysicist	HDR	Geophysicist	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

18 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/19/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 011
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, hot ~81°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- None – altitude testing on IVS planned; rough sea conditions prevented any work

PLAN FOR NEXT WEEK – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	10
			Total On-Site Hours This Date	12.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	227
			Total Work Hours From Start of Construction	239.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Irons			
GPS	Atlas Link/Trimble	R. Irons			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 4-6') prevented IVS altitude tests from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				19 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/19/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 011

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	2.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Don Nazario	Geophysicist	ASI	Geophysicist	2.5
Rob Irons	Geophysicist	HDR	Geophysicist	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

19 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/21/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 012
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, warm ~79°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 84°F / MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- None – altitude testing on IVS planned; rough sea conditions prevented any work

PLAN FOR TOMORROW – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	2.5
Subcontractor On-Site Hours	10
Total On-Site Hours This Date	12.5
Cumulative Total of Work Hours From Previous Report	239.5
Total Work Hours From Start of Construction	252

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Irons			
GPS	Atlas Link/Trimble	R. Irons			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (15-20 knot winds and seas 3-5') prevented IVS altitude tests from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				21 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/21/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 012

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	2.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Don Nazario	Geophysicist	ASI	Geophysicist	2.5
Rob Irons	Geophysicist	HDR	Geophysicist	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

21 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/22/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 013
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, warm ~77°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- None – altitude testing on IVS planned; rough sea conditions prevented altitude tests; crew traveled to western anchorage in Region A (transect line 1003) with rough sea conditions preventing magnetometer surveys; crew traveled to southern area in Region D (transect line 1301) with rough sea conditions preventing magnetometer surveys there as well

PLAN FOR TOMORROW – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	6.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	26
			Total On-Site Hours This Date	32.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	252
			Total Work Hours From Start of Construction	284.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Irons			
GPS	Atlas Link/Trimble	R. Irons			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (15-20 knot winds and seas 4-6') prevented IVS altitude tests, Region A, or Region D work from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				22 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/22/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 013

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	6.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	6.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5
Don Nazario	Geophysicist	ASI	Geophysicist	6.5
Rob Irons	Geophysicist	HDR	Geophysicist	6.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

22 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/23/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 014
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, warm ~78°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- None – altitude testing on IVS performed; crew attempted to travel to northwestern anchorage in Region A with rough sea conditions preventing traversing and magnetometer survey

PLAN FOR TOMORROW – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	6
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	24
			Total On-Site Hours This Date	30
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	284.5
			Total Work Hours From Start of Construction	314.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Irons			
GPS	Atlas Link/Trimble	R. Irons			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions (15-20 knot winds and seas 4-6') traveling to Vieques and work from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: Navy – Dan Hood, Mike Green, and Madeline Rivera; USEPA – Danny Rodriguez; traveling on John Orsillo boat they Navy clients and USEPA representative traveled to Puerto Del Ray marina and inspected boat and talked with crew

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				23 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/23/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 014

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	6
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	6
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	6
Don Nazario	Geophysicist	ASI	Geophysicist	6
Rob Irons	Geophysicist	HDR	Geophysicist	6

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

23 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/24/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 015
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, windy ~75°F	PM WEATHER: sunny, hot ~83°F	MAX TEMP: 84°F / MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- None –rough sea conditions prevented any work

PLAN FOR TOMORROW – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	1
Subcontractor On-Site Hours	4
Total On-Site Hours This Date	5
Cumulative Total of Work Hours From Previous Report	314.5
Total Work Hours From Start of Construction	319.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Irons			
GPS	Atlas Link/Trimble	R. Irons			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions (15-20 knot winds and seas 4-6') prevented any work from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				24 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/24/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 015

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	1
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Don Nazario	Geophysicist	ASI	Geophysicist	1
Rob Irons	Geophysicist	HDR	Geophysicist	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

24 Mar 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/12/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 016
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, hot ~85°F	PM WEATHER: overcast, hot ~85°F	MAX TEMP: 86°F / MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

- Reconnaissance of Beach 5 mooring point; establishment of IVS area at Beach 5 (deployment of medium ISO and use of existing item for large ISO)

Sea State: seas 2-4 ft with northeast winds 5-10 knots
PLAN FOR THIS WEEK – movement of crew and equipment to Vieques and begin surveys on the east end of the Island

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	8
Subcontractor On-Site Hours	16
Total On-Site Hours This Date	24
Cumulative Total of Work Hours From Previous Report	319.5
Total Work Hours From Start of Construction	343.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				12 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/12/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 016

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	4
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	4
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	4
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	4
Raul Fonda	Geophysicist	HDR	Geophysicist	4
Renee Hunt	Project Manager	CH2M HILL	Project Manager	4

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12 Apr 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/14/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 017
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, warm ~83°F	PM WEATHER: sunny, hot ~85°F	MAX TEMP: 85°F / MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- Attempted to begin surveys of NW anchorage area (Region A) but winch malfunctioned and work was postponed while crew replaced winch

Sea State: seas 2-3 ft with northeast winds 5-10 knots
PLAN FOR THIS WEEK – movement of crew and equipment to Vieques and begin surveys on the east end of the Island

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No	
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	6
Subcontractor On-Site Hours	12
Total On-Site Hours This Date	18
Cumulative Total of Work Hours From Previous Report	343.5
Total Work Hours From Start of Construction	361.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Winch malfunctioned and work was postponed until a new winch could be installed

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				14 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/14/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 017

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	3
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Raul Fonda	Geophysicist	HDR	Geophysicist	3
Renee Hunt	Project Manager	CH2M HILL	Project Manager	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

14 Apr 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/16/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 018
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, warm ~84°F	PM WEATHER: sunny, hot ~84°F	MAX TEMP: 84°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017 (NW anchorage); 1020, 1021, 1022, 1023 (NE anchorage)

Sea State: seas 2-4 ft with northeast winds 5-10 knots
PLAN FOR THIS WEEK – movement of crew and equipment to Vieques, Region A – completion of anchorages, begin surveys on the east end of the Island

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	12
Subcontractor On-Site Hours	24
Total On-Site Hours This Date	36
Cumulative Total of Work Hours From Previous Report	361.5
Total Work Hours From Start of Construction	397.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				16 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/16/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 018

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	6
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	6
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	6
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	6
Raul Fonda	Geophysicist	HDR	Geophysicist	6
Renee Hunt	Project Manager	CH2M HILL	Project Manager	6

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

16 Apr 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/17/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 019
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, warm ~81°F	PM WEATHER: sunny, hot ~84°F	MAX TEMP: 85°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

- IVS completely established and altitude tests conducted to confirm ISO placement and detection

Sea State: seas 2-4 ft with northeast winds 5-10 knots
PLAN FOR THIS WEEK – complete NE anchorage in Region A, begin surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	397.5
			Total Work Hours From Start of Construction	412.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT
GPS antenna 1 – Zephyr Model 2	Trimble	1670J0011Z	R. Fonda	
GPS antenna 2 – Zephyr Model 2	Trimble	1670J0051Z	R. Fonda	
GPS receiver 1	Trimble	5310K60026	R. Fonda	
GPS receiver 2	Trimble	5310K60044	R. Fonda	
Water Tender 94 dinghy – 9ft 4in length	KL Outdoor (West Marine)	11985504	M. Padover	

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: Two recreational boats at Beach 5 boat launch with approximately 12-15 people playing on beach and swimming. Boat crew avoided contact with recreational boaters and John Orsillo instructed them to leave when he came out to provide security. Boats were departing when survey crew was departing.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				17 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/17/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 019

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	3
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Raul Fonda	Geophysicist	HDR	Geophysicist	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

17 Apr 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/18/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 020
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, mild ~75°F	PM WEATHER: overcast, warm ~84°F	MAX TEMP: 84°F / MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1024, 1025, 1026, 1027, and 1028 (NE anchorage of Region D); 1133, 1134, and 1135 (Region B)

Sea State: seas 2-4 ft with northeast winds 5-10 knots
PLAN FOR THIS WEEK – continue surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	412.5
			Total Work Hours From Start of Construction	462.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				18 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/18/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 020

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Raul Fonda	Geophysicist	HDR	Geophysicist	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

18 Apr 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/19/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 021
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott
AM WEATHER: partly cloudy, mild ~75°F	PM WEATHER: overcast, warm ~83°F	MAX TEMP: 83°F / MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1136, 1137, 1138, and 1139 (Region B)

Sea State: seas 3-5 ft with occasional 6' seas and southeast winds 10-15 knots; worsening by PM to northeast winds 15-20 knots and 4-6 ft seas
PLAN FOR THIS WEEK – continue surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	9
Subcontractor On-Site Hours	36
Total On-Site Hours This Date	45
Cumulative Total of Work Hours From Previous Report	462.5
Total Work Hours From Start of Construction	507.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Roughening seas conditions in afternoon necessitated suspension of work for day (15-20 kt NE winds and 4-6 ft seas)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				19 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/19/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 021

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	9
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Raul Fonda	Geophysicist	HDR	Geophysicist	9

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

19 Apr 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/20/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 022
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~75°F	PM WEATHER: overcast, warm ~83°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: none
- Deployment of large ISO and IVS tests conducted

Sea State: seas 3-5 ft with occasional 6' seas and northeast winds 10-15 knots; east swells 4-5 ft
PLAN FOR THIS WEEK – continue surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	4.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	18
			Total On-Site Hours This Date	22.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	507.5
			Total Work Hours From Start of Construction	530

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions prevent survey work for day (15-20 kt NE winds and 4-6 ft seas)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				20 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/20/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 022

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	4.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	4.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	4.5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	4.5
Raul Fonda	Geophysicist	HDR	Geophysicist	4.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

20 Apr 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/21/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 023
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: clear, mild ~76°F	PM WEATHER: clear, warm ~83°F	MAX TEMP: 84°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: none
- sea state too rough – surveys postponed for day

Sea State: seas 4-6 ft with occasional 8' seas and northeast winds 15-20 knots; north swells 4-5 ft – SMALL CRAFT ADVISORY
PLAN FOR THIS WEEK – continue surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	530
			Total Work Hours From Start of Construction	535

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	R. Fonda			
GPS	Atlas Link/Trimble	R. Fonda			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions prevent survey work for day (15-20 kt NE winds and 4-6 ft seas) – small craft advisory

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				21 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/21/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 023

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	1
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Raul Fonda	Geophysicist	HDR	Geophysicist	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

21 Apr 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/22/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 024
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: overcast, mild ~77°F	PM WEATHER: overcast, warm ~84°F	MAX TEMP: 85°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: none
- sea state too rough – surveys postponed for day

Sea State: seas 3-5 ft with occasional 6' seas and east winds 15-20 knots; north swells 4-5 ft – SMALL CRAFT EXERCISE CAUTION
PLAN FOR NEXT WEEK – continue surveys in deeper waters of Region B

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	22
			Total On-Site Hours This Date	29
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	535
			Total Work Hours From Start of Construction	564

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions prevent survey work for day (15-20 kt E winds and 3-5 ft seas) – small craft exercise caution warning

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				22 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/22/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 024

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	7
Mark Padover	Field Team Leader/Data Processor	ASI	Field Team Leader	5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Matt Shappell	Boat Operator	ASI	Boat Operator	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

22 Apr 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/25/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 025
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: overcast, mild ~80°F	PM WEATHER: overcast, warm ~84°F	MAX TEMP: 88°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1140 thru 1145 (approx.. 9400 meters)

Sea State: seas 2-3' from the NE, SSE winds 5-10 knots

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	51
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	564
			Total Work Hours From Start of Construction	615

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
NONE

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr*		25 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/25/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 025

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	Field Team Leader/Data Processor	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Matt Shappell	Boat Operator	ASI	Boat Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr — 25 Apr 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/26/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 026
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, mild ~80°F	PM WEATHER: Sunny, warm ~86°F	MAX TEMP: 88°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1146 thru 1155 (approx.. 13,200 meters)

Sea State: seas 2-3' from the NE, SSE winds 5-10 knots

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	51
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	615
			Total Work Hours From Start of Construction	666

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
NONE

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr*		26 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/26/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 026

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	Field Team Leader/Data Processor	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Matt Shappell	Boat Operator	ASI	Boat Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr — 26 Apr 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/27/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 027
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: cloudy, mild ~80°F	PM WEATHER: cloudy, warm ~85°F	MAX TEMP: 85°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 1725- 1728, 1730-1731 (approx.2,564 meters)

Sea State: AM: seas 3' from the N, SE winds 11-15 knots PM: seas 3' from the NNE, winds 9-12 knots

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	666
			Total Work Hours From Start of Construction	721

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Transited to Puerto del Ray to get fuel- weather too rough in the morning to conduct surveys as per Mark. Starting transects at 1400EDT.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		27 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/27/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 027

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	FTL/Data Processor/ Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Matt Shappell	Computer Operator	ASI	Boat Operator	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — SUPERINTENDENT'S SIGNATURE

27 Apr 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/28/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 028
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: cloudy, mild ~80°F	PM WEATHER: cloudy, warm ~85°F	MAX TEMP: 86°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 0 (total of 0 meters)

Sea State: seas 4-6' occasional 8', E winds 15-20 knots

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	0
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	721
			Total Work Hours From Start of Construction	721

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Weather day called by Mark.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		28 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/28/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 028

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Matt Shappell	Computer Operator	ASI	Boat Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 28 Apr 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/29/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 029
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: storms, mild ~75°F	PM WEATHER: storms, mild ~78°F	MAX TEMP: 81°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 0 (0 meters total)

Sea State: AM: seas 3' from the NE, ESE winds 5-7 knots PM: seas 3' from the NE, SE winds 7-9 knots

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	26
			Total On-Site Hours This Date	36
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	721
			Total Work Hours From Start of Construction	757

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Weather day called by Mark at 0952EDT

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		29 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/29/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 029

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/ Boat Operator	ASI	Field Team Leader	6.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5
Matt Shappell	Computer Operator	ASI	Boat Operator	6.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 29 Apr 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 04/30/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 030
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: storms, mild ~78°F	PM WEATHER: storms, mild ~78°F	MAX TEMP: 81°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 0 (0 meters total) Aqua Survey took boat to Puerto del Ray to have alarm system installed- CH2M escorted Aqua Survey down/ up range to/ from Beach 5.

Sea State: East wind 10-15kts, 3-5 foot seas with occasional 6 foot seas. Wave period, 10 seconds. 4 foot east swell. Numerous thunderstorms

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	17
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	757
			Total Work Hours From Start of Construction	774

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Aqua Survey transits to Puerto del Ray for gas. CH2M escorted Aqua Survey down/up range to/from Beach 5

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		30 Apr 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/30/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 030

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Matt Shappell	Computer Operator	ASI	Boat Operator	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 30 Apr 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/01/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 031
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: storms, mild ~78°F	PM WEATHER: storms, mild ~78°F	MAX TEMP: 81°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Seven transects completed (1693-1698, 1752). Total of 5003 meters.

Sea State: East wind 10-15kts, 3-5 foot seas with occasional 6 foot seas. Wave period, 10 seconds. 4 foot east swell. Numerous thunderstorms

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	26
			Total On-Site Hours This Date	33
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	774
			Total Work Hours From Start of Construction	807

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Had to reconfigure RTK, was not close enough within range (as per Mark). Had to do 5 IVS checks before starting to ensure good data (as per Mark). Weather day called by Mark at 12:03; heavy rain, thunder and lightning.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		01 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/01/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 031

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	6.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5
Matt Shappell	Computer Operator	ASI	Boat Operator	6.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — SUPERINTENDENT'S SIGNATURE

01 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/02/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 032
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, mild ~78°F	PM WEATHER: partly cloudy, mild ~83°F	MAX TEMP: 85°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Eight transects completed (1684, 1689- 1692, 1699, 1720-1722). Total of 4,597 meters.

Sea State: East wind 10-15kts, 3-5 foot seas with occasional 6 foot seas. Wave period, 8 seconds.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	28
			Total On-Site Hours This Date	35
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	807
			Total Work Hours From Start of Construction	842

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Field work ended for the day by Mark at 10:26 because of weather; large swells, white caps. After doing end of day IVS, weather cleared up.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Lora Pride*		02 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/02/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 032

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Matt Shappell	Computer Operator	ASI	Boat Operator	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — SUPERINTENDENT'S SIGNATURE

02 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/03/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 033
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~75°F	PM WEATHER: partly cloudy, mild ~82°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Eight transects completed – 1644, 1652, 1653, 1654. 1657, 1700, 1701, and 1702 (Region F). Total of 6,877 meters.

Sea State: East wind 10-15kts, 2-4 foot seas with occasional 5 foot seas.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No	
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	11
Subcontractor On-Site Hours	44
Total On-Site Hours This Date	55
Cumulative Total of Work Hours From Previous Report	842
Total Work Hours From Start of Construction	897

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				03 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/03/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 033

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Matt Shappell	Computer Operator	ASI	Computer Operator	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

03 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/04/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 034
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~76°F	PM WEATHER: partly cloudy, raining ~83°F	MAX TEMP: 84°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Eighteen transects completed – 1624, 1625, 1626, 1645, 1648, 1651, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, and 1669 (Region F). Total of 10,682 meters.

Sea State: Southeast wind 10-15kts, 2-4 foot seas with occasional 5 foot seas. Wave period = 7 seconds

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	9
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	36
			Total On-Site Hours This Date	45
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	897
			Total Work Hours From Start of Construction	942

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				04 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/04/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 034

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	9
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Matt Shappell	Computer Operator	ASI	Computer Operator	9

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

03 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/05/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 035
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~78°F	PM WEATHER: partly cloudy, warm ~83°F	MAX TEMP: 84°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None

Sea State: Southeast wind 10-15kts, 2-4 foot seas with occasional 5 foot seas. Wave period = 8 seconds

Plan for Remainder of Week: Continue surveys in Region F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	942
			Total Work Hours From Start of Construction	967

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea state with waves predominantly 3-5 ft prevented survey work from being conducted today.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				05 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/05/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 035

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Matt Shappell	Computer Operator	ASI	Computer Operator	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

05 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/06/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 036
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: clear, mild ~78°F	PM WEATHER: clear, warm ~85°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Twelve transects completed – 1604, 1605, 1606, 1613, 1614, 1615, 1616, 1627, 1628, 1629, 1632, and 1671 (Region F); Total linear distance = 13,813 meters

Sea State: Southeast wind 10-15kts, 2-4 foot seas with occasional 5 foot seas. Wave period = 7 seconds

Plan for Remainder of Week: Continue surveys in Region F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	967
			Total Work Hours From Start of Construction	1017

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				06 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/06/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 036

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Matt Shappell	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

06 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/07/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 037
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~80°F	PM WEATHER: partly cloudy, warm ~85°F	MAX TEMP: 86°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Five transects completed – 1129, 1130, 1131, 1132, and 1156 (Region B); Total linear distance = 4,153 meters

Sea State: Southeast wind 10-15kts, 3-5 foot seas with occasional 6 foot seas. Wave period = 7 seconds

Plan for Next Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	30
			Total On-Site Hours This Date	37.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1017
			Total Work Hours From Start of Construction	1054.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Deteriorating sea state (E winds 15-20 kts and seas 4-6' with chop) forced an early halt of surveys

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				07 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/07/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 037

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	7.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Matt Shappell	Computer Operator	ASI	Computer Operator	7.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

07 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/09/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 038
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: overcast, mild ~77°F	PM WEATHER: partly cloudy, warm ~82°F	MAX TEMP: 83°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Six transects completed – 1633, 1639, 1670, 1673, 1674, and 1688 (Region F); Total linear distance = 7,698 meters

Sea State: East wind 10-15kts, 4-6 foot seas with occasional 8 foot seas. Wave period = 9 seconds

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	42
			Total On-Site Hours This Date	52.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1054.5
			Total Work Hours From Start of Construction	1107

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				09 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/09/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 038

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10.5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10.5
Matt Shappell	Computer Operator	ASI	Computer Operator	10.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

09 May 2016

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/10/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 039
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, mild ~74°F	PM WEATHER: partly cloudy, warm ~82°F	MAX TEMP: 84°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: none

Sea State: East wind 15-10 kts, 4-6 foot seas with occasional 8 foot seas. Wave period = 7 seconds

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	0
Subcontractor On-Site Hours	0
Total On-Site Hours This Date	0
Cumulative Total of Work Hours From Previous Report	1107
Total Work Hours From Start of Construction	1107

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea state reported and given the marginal conditions of yesterday, crew decided to postpone surveying for day – will survey on Saturday to make up day

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				10 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/10/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 039

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Matt Shappell	Computer Operator	ASI	Computer Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

10 May 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/11/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 040
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~76°F	PM WEATHER: partly cloudy, ~86°F	MAX TEMP: 87°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 1641, 1640, 1634, 1631, 1630, 1635, 1638, 1637, 1636 = 9,234 meters

Sea State: East wind 15-10 kts 3-5 foot seas with occasional 8 foot seas. Wave period = 5 seconds

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1162
			Total Work Hours From Start of Construction	1162

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

NONE- we worked all day

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		11 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/11/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 040

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Matt Shappell	Computer Operator	ASI	Computer Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — SUPERINTENDENT'S SIGNATURE

11 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/12/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 041
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~76°F	PM WEATHER: partly cloudy, ~86°F	MAX TEMP: 89°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 1138, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1128 = 9,896 meters

Sea State: East wind 15-10 kts, 3-4 foot seas with occasional 5 foot seas. Wave period = 3 seconds

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	55
			Total On-Site Hours This Date	66
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1228
			Total Work Hours From Start of Construction	1228

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

NONE- we worked all day

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		12 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/12/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 041

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Matt Shappell	Computer Operator	ASI	Computer Operator	11
Greg Bounds	Computer Operator	ASI	Computer Operator	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — SUPERINTENDENT'S SIGNATURE

12 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/13/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 042
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~76°F	PM WEATHER: partly cloudy, ~86°F	MAX TEMP: 89°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: = 1101, 1102, 1105, 1121, 1122, 1124, 1126, 1601, 1603, 1607, 1608, 1609, 1610, 1611, 1612, 1619, 1620, 1621, 1622, 1642, 1643, 1647, 1649, 1650, 1677, 1679, 1680, 1681= 9799 meters

Sea State: East wind 13-18 kts, 3-4 foot seas with occasional seas up to 5 feet. Wave period = 7 seconds. NE swell 3 feet, scattered showers

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1283
			Total Work Hours From Start of Construction	1283

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
NONE- we worked all day

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		13 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/13/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 042

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Greg Bounds	Computer Operator	ASI	Computer Operator	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — 13 May 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/14/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 043
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~76°F	PM WEATHER: partly cloudy, ~86°F	MAX TEMP: 89°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- seastate too rough for boat operations- ASI to main island to get fuel and supplies

Sea State: SE wind 13-18 kts, 3-4 foot seas NE with occasional seas up to 5 feet. Wave period = 5 seconds. NE swell 4 feet, scattered showers

Plan for Remainder of Week: Continue surveys in Regions B and F

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1308
			Total Work Hours From Start of Construction	1308

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

NONE- seastate too rough- ASI to the main island to get fuel and supplies

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		14 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/14/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 043

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Greg Bounds	Computer Operator	ASI	Computer Operator	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — 14 May 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/16/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 044
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~77°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: not able to complete any transects, several attempts at 1125 and 1127 resulted in the mag array exhibiting a >28 degree roll. Repositioned weights on the array a couple of times to no avail. Decided to move operations to the South side. Upon landing the boat at the north boat ramp, the ramp hydraulic support brackets broke causing the ramp door to drop down. Halted operations at that point.

Sea State: Wind SE 15 to 20kts, seas ENE 3 to 4' with occasional seas up to 5 feet. Wave period = 7 seconds. Scattered showers

Plan for Remainder of Week: set up operations on south side and work on the south side until weather changes

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	28
			Total On-Site Hours This Date	35
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1343
			Total Work Hours From Start of Construction	1343

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

NONE- sea-state rough- current too strong- mag array exhibiting roll >20 degrees. Broke mounting brackets for ramp hydraulic pistons, ASI to locate welder and repair

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		16 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/16/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 044

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Greg Bounds	Computer Operator	ASI	Computer Operator	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — SUPERINTENDENT'S SIGNATURE

14 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/17/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 045
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~77°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- shuttled jeep to Beach 17, took ASI personnel to Beach 5, they departed for Fajardo to have hydraulic ramp repaired. Returned to Beach 17 at 16:45, secured boat and equipment, headed back to Garcia

Sea State: Wind east 15 to 20kts, seas east 3 to 5' with occasional seas up to 6 feet. Wave period = 7 seconds. Scattered showers

Plan for Remainder of Week: set up operations on south side and work on the south side until weather changes

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1358
			Total Work Hours From Start of Construction	1358

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI had broken hydraulic ramp on the boat repaired in Fajardo

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		17 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/17/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 045

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Greg Bounds	Computer Operator	ASI	Computer Operator	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — 14 May 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/18/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 046
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~77°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- preparation for IVS at Beach 17 southside. Had anticipated visit from NAVFAC/RAB members, however, due to rough conditions they decided to postpone until the next day. Upon shutting down the equipment, we suffered a computer crash, once the computer was back up, it became evident that Mag#4 was not working. ASI had a spare that we installed, system operable

Sea State: Wind east 15 to 20kts, seas east 3 to 5' with occasional seas up to 6 feet. Wave period = 7 seconds. Scattered showers

Plan for Remainder of Week: set up operations on south side and work on the south side until weather changes

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1408
			Total Work Hours From Start of Construction	1408

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Less than favorable conditions, computer crash, Mag replacement

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		18 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/18/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 046

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — 18 May 2016

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/19/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 047
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~87°F	MAX TEMP: 87°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- installation of IVS at Beach 17

Sea State: Wind east 15 to 20kts, seas ESE 4 to 6' with occasional seas up to 8 feet. Wave period = 7 seconds.

Plan for Remainder of Week: continue work on the south side as weather and sea-state permits.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	9
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	36
			Total On-Site Hours This Date	45
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1408
			Total Work Hours From Start of Construction	1453

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: 3 points of contact

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NAVFAC, et al. (M. Rivera, D. Waddill, M. Green, D. Hood, K. Chloe, additional)

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		19 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/19/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 047

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	9
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Greg Bounds	Computer Operator	ASI	Computer Operator	9

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — SUPERINTENDENT'S SIGNATURE

19 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 05/20/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 048
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- power steering pump failure while recon in Ensenada Honda

Sea State: Wind east 15 to 20kts, seas ESE 3 to 5' with occasional seas up to 6 feet. Wave period = 7 seconds.

Plan for Remainder of Week: continue work on the south side as weather and sea-state permits.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1453
			Total Work Hours From Start of Construction	1478

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): **While performing recon to start transect work in Ensenada Honda, the power steering pump failed. Halted operations and returned back to Beach 17**. M. Padover contacted mechanic to locate power steering pump.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		20 May 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/20/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 048

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M HILL	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Don Nazario	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Greg Bounds	Computer Operator	ASI	Computer Operator	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr. — SUPERINTENDENT'S SIGNATURE

20 May 2016 — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/02/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 049
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Three transects completed on the south side if the island, at Beach 1 for approximately 2,469 meters completed.

Sea State: Northeast winds 5-10 knots. Seas 1-3 feet. Period= 11 seconds. Chance of showers and thunderstorms.

Plan for Remainder of Week: continue work on the south side as weather and sea-state permits. If weather is not conducive for working on south side, will transit over to north side and continue running transects on the north side.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	19
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	39
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1453
			Total Work Hours From Start of Construction	1492

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 02, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/2/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 049

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	5
Greg Bounds	Computer Operator	ASI	Computer Operator	5
Renee Hunt	Oversighte/PM	CH2M	Oversight/PM	8

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/2/16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/03/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 050
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Thirteen (13) transects completed on the south side of the island, at Beaches 1 and 17 for a total of approximately 13, 577 meters surveyed.

Sea State: Winds 56 degrees Ture North 5-10 knots. Seas 96 degrees True North 1-3 feet occasional seas up to 4 feet. Dominant Period= 7 seconds. Chance of showers and thunderstorms.

Plan for Remainder of Week: continue work on the south side as weather and sea-state permits. If weather is not conducive for working on south side, will transit over to north side and continue running transects on the north side.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	12
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	52
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1492
			Total Work Hours From Start of Construction	1544

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 03, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/3/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 050

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	12
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/3/16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/04/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 051
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: thunderstorms, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: none; called a weather day but in early afternoon brought survey boat from south side (Beach 17) around to north side (Beach 5) for weekend surveys.

Sea State: Wind 154 degrees Ture North 10-15 knots. Seas Northwest 3-4 feet. Dominant Period= 8 seconds. Chance of showers and thunderstorms.

Plan for Remainder of Week: Work on north side over the weekend in exclusion zones.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	9
Subcontractor On-Site Hours	10
Total On-Site Hours This Date	19
Cumulative Total of Work Hours From Previous Report	1544
Total Work Hours From Start of Construction	1563

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 04, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/4/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 051

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Greg Bounds	Computer Operator	ASI	Computer Operator	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/4/16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/05/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 052
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: thunderstorms, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Four; all in exclusion zone on north side of the island for a total of approximately 2,887 meters.

Weather; southeast winds 10-15 kts seas 2-4 feet occasional 5 feet. Dominant period = 8 seconds. Numerous showers and thunderstorms in the morning. .

Plan for Remainder of Week: Work on north side over the weekend in exclusion zones.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	9
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	30
			Total On-Site Hours This Date	39
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1563
			Total Work Hours From Start of Construction	1602

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 05, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/5/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 052

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Greg Bounds	Computer Operator	ASI	Computer Operator	7.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/05/16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/06/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 053
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: thunderstorms, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: nine; all in exclusion zone on north side of the island for a total of approximately 8,142 meters.

Weather; southeast winds 5-10 kts seas 2-4 feet occasional 5 feet. Dominant period = 8 seconds. Partly cloudy.

Plan for Remainder of Week: Work on south side of the island once the boat returns from the marina in Fajardo.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	9
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	28
			Total On-Site Hours This Date	37
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1602
			Total Work Hours From Start of Construction	1639

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hydration

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 06, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/6/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 053

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	9
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Greg Bounds	Computer Operator	ASI	Computer Operator	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/06/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/09/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 054
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: eleven (11); located on south side in Explosives Safety Arc. Approximately 3,449 meter completed.

Weather; east winds 5 kts seas 2 feet occasional 3 feet. Dominant period = 7 seconds. Partly cloudy.

Plan for Remainder of Week: Work on south side of the island in priority areas.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1639
			Total Work Hours From Start of Construction	1689

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Magnetometer #5 failed- after trying to trouble shoot it, we returned to Camp Garcia for the spare magnetometer and installed it. Total down time was about 3.5 hours.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 09, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/9/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 054

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/09/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/10/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 055
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: twenty five (25); located on south side in and east of Explosives Safety Arc. Approximately 8,765 meters completed.

Weather; east winds 10-15 kts; seas 6-8 feet with occasional 10 feet. Dominant period = 11seconds. Northeast swell 4-7 feet. Partly cloudy. South side of island: winds east at 10kts, seas 1-2 feet with an occasional 3 feet. Deteriorating conditions in the afternoon, seas 2-3 feet. Winds east 10-15kts. Swells 4 feet.

Plan for Remainder of Week: Work on south side of the island in priority areas.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1689
			Total Work Hours From Start of Construction	1739

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 10, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/10/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 055

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/10/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/11/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 056
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Two (2); located on south side in Ensenada Honda. Approximately 2,707 meters completed.

Weather; EAST WINDS 5 TO 10 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 10 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: If camera cable is repaired, work on south side of the island in priority areas.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	32
			Total On-Site Hours This Date	42
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1739
			Total Work Hours From Start of Construction	1781

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

At 9:30 am local time the forward facing camera on the Magnetometer wing failed. Aborted surveys for the day. After trouble shooting for a few hours, the Aqua Survey crew ended up cutting a bad section of cable out and splicing the two pieces together, tested it and think that it works now. They went to the hardware store on island to see if they could find 3M potting mix to seal the splice. If it cannot be found, they will fly over to the main island tomorrow to get the supplies they need to fix the cable. A back up plan for either a spare cable or spare camera set up is being discussed.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 11, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/11/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 056

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	8
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	8
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	8
Greg Bounds	Computer Operator	ASI	Computer Operator	8

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/11/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/12/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 057
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Seventeen (17); located on south side in Ensenada Honda and in protected areas of Beaches 35, 2, 3 and 4. Approximately 9,101 meters completed.

Weather; EAST WINDS 10 TO 15 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 10 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Sunday off- Monday resume surveys on south side priority areas.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	36
			Total On-Site Hours This Date	46
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1781
			Total Work Hours From Start of Construction	1,827

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Camera was re-connected and working. There were a few incidents where the camera cut out for a few seconds then came back up on line. New camera with cable was ordered and should arrive early next week.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 12, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/12/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 057

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M HILL	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	9
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	9
Greg Bounds	Computer Operator	ASI	Computer Operator	9

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/12/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/14/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 058
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Twenty seven (27) transects completed, all located inside Ensenada Honda. Approximately 11,666 meters completed.

Weather; EAST WINDS 5 TO 10 KNOTS. SEAS 1 TO 3 FEET. DOMINANT PERIOD 7 SECONDS.SCATTERED SHOWERS.

Plan for Remainder of Week: Continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1827
			Total Work Hours From Start of Construction	1877

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

none

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 14, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/14/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 058

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/14/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/15/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 059
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Twenty one (21) transects completed which finished Ensenada Honda and most of Cayo La Chiva. Approximately 13, 126 meters completed.

Weather; EAST WINDS 5 TO 10 KNOTS. SEAS 1 TO 3 FEET. DOMINANT PERIOD 10 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1877
			Total Work Hours From Start of Construction	1927

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Encoder broke and was replaced- no significant down time.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 15, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/15/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 059**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/15/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/16/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 060
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Thirteen (13) transects completed which finished Cayo La Chiva, Laguna La Chiva and Pata Prieta. Approximately 4,841 meters completed.

Weather; EAST WINDS 10 TO 15 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 7 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Fuel run to Fajardo potentially on Thursday- Continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	10
Subcontractor On-Site Hours	40
Total On-Site Hours This Date	50
Cumulative Total of Work Hours From Previous Report	1927
Total Work Hours From Start of Construction	1977

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Repaired camera finally stopped working but new one came in this morning.. Ronny transited the new camera out to us at Blue Beach and AS installed it and tested it on the end of day IVS. Finished running transects at 13:25 so replacement could be done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 16, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/16/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 060**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/16/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/17/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 061
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~85°F	MAX TEMP: 85°F	MIN TEMP: 80°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: zero (0)

Weather; East winds 5 to 10 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 7 seconds. Isolated thunderstorms in the morning. Scattered showers through the day

Plan for Remainder of Week: Continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	18
			Total On-Site Hours This Date	23
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	1977
			Total Work Hours From Start of Construction	2000

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

New camera installed appeared to have voltage spikes when the winch was raised or lowered which caused the video for the camera to cut out. Crew isolated the power supply to the video cable and it seemed to have worked. No transects run today because of trouble shooting and fuel run.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒	Lora Pride	Nov. 17, 2016

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/17/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 061**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	4.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	4.5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	4.5
Greg Bounds	Computer Operator	ASI	Computer Operator	4.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/17/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/18/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 062
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: overcast,/rain ~80°F	PM WEATHER: overcast/rain, ~80°F	MAX TEMP: 80°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: six (6) transects completed in Puerto Ferro for a total of approximately 2, 733 meters completed.

Weather; East winds 5 to 10 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 8 seconds. Scattered showers and isolated thunderstorms.

Plan for Remainder of Week: Continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	7
Subcontractor On-Site Hours	28
Total On-Site Hours This Date	35
Cumulative Total of Work Hours From Previous Report	2000
Total Work Hours From Start of Construction	2035

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Bad storms came through in the morning, We met at Camp Garcia at 6am and decide to delay going down range for 2 hours. Departed Camp Garcia at about 8:30am and completed transects in Puerto Ferro.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 18, 2016	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/18/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 062**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Greg Bounds	Computer Operator	ASI	Computer Operator	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/18/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/19/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 063
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: overcast,/heavy rain 76°F	PM WEATHER: overcast/ rain, ~80°F	MAX TEMP: 86°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Fifteen (15) transects completed south of Bahia Salinas del Sur for a total of approximately 5,777 meters completed.

Weather; East winds 5 to 10 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 8 seconds. Numerous showers

Plan for Remainder of Week: Sunday off- on Monday continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	30
			Total On-Site Hours This Date	37.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2035
			Total Work Hours From Start of Construction	2072.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Nov. 19, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/19/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 063**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	7.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5
Greg Bounds	Computer Operator	ASI	Computer Operator	7.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride — 11/19/ 16

SUPERINTENDENT'S SIGNATURE — DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/21/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 064
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: light rain 76°F	PM WEATHER: heavy rain, ~80°F	MAX TEMP: 83°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; heavy rains have flooded out range road and made it impassable – cannot access vessel.

Weather; Northeast winds 10 to 15 knots. Seas 3 to 5 feet with occasional seas up to 6 feet. Dominant period 10 seconds. Numerous showers

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2072.5
			Total Work Hours From Start of Construction	2077.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Heavy rains made range road impassable – no work performed due to inability to drive down range.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 21, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/21/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 064**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	1
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/21/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/22/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 065
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: light rain 77°F	PM WEATHER: heavy rain, ~82°F	MAX TEMP: 83°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; heavy rains have flooded out range road and made it impassable – cannot access vessel.

Weather; East winds 10 to 15 knots. Seas 3 to 5 feet with occasional seas up to 6 feet. Dominant period 10 seconds. Northeast swell 4 feet. Numerous showers

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2077.5
			Total Work Hours From Start of Construction	2082.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Heavy rains made range road impassable – no work performed due to inability to drive down range.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 22, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/22/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 065**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	1
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/22/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/23/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 066
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: overcast 76°F	PM WEATHER: overcast, ~84°F	MAX TEMP: 85°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road still impassable – vessel accessed via John Orsillo boat. ASI vessel moved to Puerto Del Ray marina due to rough seas and to accommodate better access until range road is passable.

Weather; East winds 10 to 15 knots. Seas 3 to 5 feet with occasional seas up to 6 feet. Dominant period 8 seconds. Northeast swell 4 feet.

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	10
			Total On-Site Hours This Date	12.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2082.5
			Total Work Hours From Start of Construction	2095

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Heavy rains made range road impassable – no work performed due to inability to drive down range.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 23, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/23/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 066**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Greg Bounds	Computer Operator	ASI	Computer Operator	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/23/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/24/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 067
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~77°F	PM WEATHER: partly cloudy, ~84°F	MAX TEMP: 86°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road still impassable. ASI vessel moved to Puerto Del Ray marina due to rough seas and to accommodate better access until range road is passable.

Weather; East winds 15 to 20 knots. Seas 4 to 6 feet with occasional seas up to 8 feet. Dominant period 8 seconds. Northeast swell 5 feet. Small craft advisory issued

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	0
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2095
			Total Work Hours From Start of Construction	2095

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions prevent surveying.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 24, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/24/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 067**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Greg Bounds	Computer Operator	ASI	Computer Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/24/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/25/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 068
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~78°F	PM WEATHER: partly cloudy, ~84°F	MAX TEMP: 86°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road still impassable. ASI vessel moved to Puerto Del Ray marina due to rough seas and to accommodate better access until range road is passable.

Weather; East winds 10 to 15 knots. Seas 3 to 5 feet with occasional seas up to 6 feet. Dominant period 8 seconds. Northeast swell 4 feet.

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	0
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2095
			Total Work Hours From Start of Construction	2095

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions prevent surveying.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 25, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/25/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 068**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Greg Bounds	Computer Operator	ASI	Computer Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/25/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/26/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 069
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~78°F	PM WEATHER: partly cloudy, ~83°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road partially impassable (to Beach 17 only). ASI vessel moved to Puerto Del Ray marina due to rough seas and to accommodate better access until range road is passable.

Weather; East winds 10 to 15 knots. Seas 4 to 6 feet with occasional seas up to 8 feet. Dominant period 7 seconds. Northeast swell 5 feet. Small craft advisory issued.

Plan for Remainder of Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	0
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2095
			Total Work Hours From Start of Construction	2095

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions prevent surveying.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 26, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/26/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 069**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	0
Greg Bounds	Computer Operator	ASI	Computer Operator	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/26/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/27/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 070
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~81°F	PM WEATHER: partly cloudy, ~83°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road partially impassable (to Beach 17 only). ASI vessel moved back to Beach 17 mooring from Puerto Del Ray marina.

Weather; East winds 10 to 15 knots. Seas 3 to 5 feet with occasional seas up to 6 feet. Dominant period 7 seconds. Northeast swell 4 feet.

Plan for Next Week: continue working on south side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2095
			Total Work Hours From Start of Construction	2100

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions prevent surveying.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 27, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/27/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 070**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	1
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/27/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/28/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 071
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: light rain, ~69°F	PM WEATHER: light rain, ~79°F	MAX TEMP: 81°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; seas too rough to conduct surveys. Range road partially impassable (to Beach 17 only). ASI vessel moved back to Beach 17 mooring from Puerto Del Ray marina. Range road being repaired by USAE starting today to gain access to Beach 5 mooring later in week.

Weather; Southeast winds 10 to 15 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 8 seconds. SE swells 4'.

Plan for Remainder of Week: continue working on south side priority transects to completion, move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2100
			Total Work Hours From Start of Construction	2115

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions prevent surveying.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 28, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/28/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 071**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Greg Bounds	Computer Operator	ASI	Computer Operator	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/28/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/29/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 072
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~72°F	PM WEATHER: partly cloudy, ~81°F	MAX TEMP: 82°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; ASI vessel moved back to Puerto Del Ray marina for bilge pump repairs. Range road repair completed by USAE.
Weather; Northeast winds 10 to 15 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 8 seconds. SE swells 4'. Small craft advisory issued.

Plan for Remainder of Week: continue working on south side priority transects to completion, move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	1
Subcontractor On-Site Hours	4
Total On-Site Hours This Date	5
Cumulative Total of Work Hours From Previous Report	2115
Total Work Hours From Start of Construction	2120

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI moved boat to Puerto Del Ray marina in Fajardo, PR to have bilge pump repaired by mechanic.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Nov. 29, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 11/29/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 072**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	1
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

11/29/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/2/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 073
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: clear sunny, ~79°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; ASI vessel moved back to Beach 17 following repairs at Puerto Del Ray marina
Weather: East winds 5 to 10 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 7 seconds. East swells 4'.

Plan for Remainder of Week: continue working on south side priority transects to completion, move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	6
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2120
			Total Work Hours From Start of Construction	2126

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state prevented surveying after boat was brought from Puerto Del Ray marina back to Beach 17.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Dec. 2, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/2/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 073**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12/2/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/3/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 074
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~75°F	PM WEATHER: partly cloudy, ~81°F	MAX TEMP: 82°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None; sea conditions too rough to facilitate surveying
Weather: Southeast winds 5 to 10 knots. Seas 2 to 4 feet with occasional seas up to 5 feet. Dominant period 7 seconds. East swells 5'.

Plan for Remainder of Week: continue working on south side priority transects to completion, move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2126
			Total Work Hours From Start of Construction	2141

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state prevented surveying – primarily due to ground swell.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Dec. 3, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/3/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 074**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	3
Greg Bounds	Computer Operator	ASI	Computer Operator	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12/3/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/4/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 075
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~81°F	MAX TEMP: 83°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 37 transects complete totaling 17,212 linear meters (1482, 1489, 1490, 1496-1499, 1505-1530, 1532, 1535, 1544, and 1545)
Weather: East winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 7 seconds. Southeast swells 2'.

Plan for Next Week: continue working on south side priority transects to completion, move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	40
			Total On-Site Hours This Date	50
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2141
			Total Work Hours From Start of Construction	2191

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: NONE

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Dec. 4, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/4/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 075**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Greg Bounds	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12/4/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/5/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 076
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~83°F	MAX TEMP: 86°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 16 transects complete totaling 9,040 linear meters (1338, 1345, 1349, 1401, 1402, 1500-1504, 1531, 1533, 1534, 1538, and 1539)
Weather: East winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 8 seconds. Southeast swells 2'.

Plan for Remainder of Week: move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2191
			Total Work Hours From Start of Construction	2246

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: Vieques Policia boat at Beach 19 at 15:10. J. Scott explained the surveying and they moved on.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Dec. 5, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/5/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 076**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Greg Bounds	Computer Operator	ASI	Computer Operator	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12/5/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/6/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 077
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~76°F	PM WEATHER: partly cloudy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea conditions deteriorated overnight and boat moved from Beach 17 to Puerto Del Ray for 100-hour scheduled service tomorrow.
Weather: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 10 seconds. Northeast swells 4'.

Plan for Remainder of Week: move to north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	6
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2246
			Total Work Hours From Start of Construction	2252

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea conditions worsened overnight preventing surveying; boat moved to Puerto Del Ray for 100 hour service scheduled for tomorrow.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Dec. 6, 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 12/6/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 077**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Michael Bowman	Assistant/Deckhand	ASI	Assistant/Deckhand	1
Greg Bounds	Computer Operator	ASI	Computer Operator	1

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

12/6/ 16

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/19/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 078
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~70°F	PM WEATHER: clear and sunny, ~78°F	MAX TEMP: 79°F	MIN TEMP: 70°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 13 transects complete totaling 12,533 linear meters (1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, and 1118)..
Sea State: East winds 5 to 10 knots. Seas 2 to 4 feet with occasional 5 feet seas. Dominant period 7 seconds. Northeast swells 2-3'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2252
			Total Work Hours From Start of Construction	2307

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Jan. 19, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/19/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 078**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	11
Michael Bowman	Computer Operator	ASI	Computer Operator	11
Carlos Mirro	Assistant/Deckhand	ASI	Assistant/Deckhand	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

1/19/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/20/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 079
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: clear/sunny, ~70°F	PM WEATHER: clear and sunny, ~83°F	MAX TEMP: 83°F	MIN TEMP: 70°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **NONE- once arriving at the vessel, the starboard engine would not start, and issue with the power steering pump. The starboard engine operates all the hydraulics for the A-frame lift.**

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	16
			Total On-Site Hours This Date	21
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2307
			Total Work Hours From Start of Construction	2328

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Starboard engine starter not working and issue with power steering pump. Vessel taken over to the main island for repair.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 20, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/20/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 079**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	4
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	4
Michael Bowman	Computer Operator	ASI	Computer Operator	4
Carlos Mirro	Assistant/Deckhand	ASI	Assistant/Deckhand	4

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/20/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/24/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 080
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: clear/sunny, ~70°F	PM WEATHER: clear and sunny, ~83°F	MAX TEMP: 83°F	MIN TEMP: 70°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **NONE- ASI personnel brought repaired vessel back from the main island. Tested equipment upon arriving at Bahia Icacos, all equipment working.**

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	8
			Total On-Site Hours This Date	11
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2328
			Total Work Hours From Start of Construction	2339

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI personnel brought repaired vessel back from the main island. Tested equipment upon arriving at Bahia Icacos, all equipment working.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 24, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/24/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 080**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Mirro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/24/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/25/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 081
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: clear/sunny, ~72°F	PM WEATHER: clear and sunny, ~83°F	MAX TEMP: 83°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **NONE- vessel wench suffered issue with wench brake. Wench brake not holding, replacement part ordered**

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No	
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	7
Subcontractor On-Site Hours	28
Total On-Site Hours This Date	35
Cumulative Total of Work Hours From Previous Report	2339
Total Work Hours From Start of Construction	2374

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Vessel wench suffered issue with wench brake. Wench brake not holding, allowing the mag array to continue to dive down instead of holding it at the desired depth. Replacement part ordered and shipped Priority Fedex.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 25, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/25/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 081**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Willard Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Michael Bowman	Computer Operator	ASI	Computer Operator	7
Carlos Mirro	Assistant/Deckhand	ASI	Assistant/Deckhand	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/25/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/27/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 082
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: overcast, ~78°F	PM WEATHER: clear and sunny, ~83°F	MAX TEMP: 83°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **NONE- ASI personnel escorted down range to access vessel and take to PDR to pick up an additional personnel, new wench brake and make repair. Once repaired returned to Bahia Icacos**

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	6
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	10
			Total On-Site Hours This Date	16
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2374
			Total Work Hours From Start of Construction	2390

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI personnel escorted down range to access vessel and take to PDR to pick up an additional personnel, new wench brake and make repair. Once repaired returned to Bahia Icacos

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 27, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/27/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 082**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	6
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Willard Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2
Steve Knight	Mechanic	ASI	Mechanic	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/27/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/28/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 083
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields
AM WEATHER: clear/sunny, ~71°F	PM WEATHER: clear and sunny, ~83°F / MAX TEMP: 83°F	MIN TEMP: 71°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 1179, 1178, 1177- total of 2274 meters

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	50
			Total On-Site Hours This Date	60
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2390
			Total Work Hours From Start of Construction	2450

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.): NONE

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 28, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/28/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 083**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Willard Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michael Bowman	Computer Operator	ASI	Computer Operator	10
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Steve Knight	Mechanic	ASI	Mechanic	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/28/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/29/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 084
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields
AM WEATHER: partly cloudy/windy, ~74°F	PM WEATHER:	MAX TEMP: / MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: NONE- day called due to sea-state- wind 15kts with gusts up to 18kts, east / sea-state 2-4' increasing to 3-5'throughout the day- observations made at Bahia Icacos

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	4
Subcontractor On-Site Hours	10
Total On-Site Hours This Date	14
Cumulative Total of Work Hours From Previous Report	2450
Total Work Hours From Start of Construction	2464

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Day called by ASI due to sea-state- wind 15kts with gusts up to 18kts, east / sea-state 2-4' increasing to 3-5'throughout the day- observations made at Bahia Icacos

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		*Jerry R. Fields, Jr.*		Jan. 29, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/29/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 084**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	4
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Willard Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2
Steve Knight	Mechanic	ASI	Mechanic	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields, Jr.

SUPERINTENDENT'S SIGNATURE

1/29/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/30/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 085
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~74°F	PM WEATHER: partly cloudy/windy, ~79°F	MAX TEMP: 80°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 2 transects complete totaling 2,011 linear meters (1175 and 1176).
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 7 seconds. Northeast swells 2-4'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	35
			Total On-Site Hours This Date	42
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2464
			Total Work Hours From Start of Construction	2506

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Day called early by ASI due to sea-state- wind 15kts with gusts up to 18kts; northeast swell increased to 4+ ft

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Jan. 30, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/30/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 085**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Willard Reasoner	Computer Operator	ASI	Computer Operator	7
Michael Bowman	Camera/wench operator	ASI	Camera/wench operator	7
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Steve Knight	Mechanic	ASI	Mechanic	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

1/30/ 17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/31/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 086
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~74°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Atlas Link RTK system down and prevented RTK corrections – ASI PM notified and team performed boat O&M while waiting on him to coordinate with Atlas. Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 7 seconds. Northeast swells 2-4'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	35
			Total On-Site Hours This Date	42
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2506
			Total Work Hours From Start of Construction	2548

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Atlas Link down preventing GPS RTK corrections – could not survey today.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Jan. 31, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 1/31/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 086**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	7
Michael Bowman	Computer Operator	ASI	Computer Operator	7
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	7
Steve Knight	Mechanic	ASI	Mechanic	7

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

1/31/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/1/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 087
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~74°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 15 to 20 knots. Seas 4 to 6 feet with occasional 8 feet seas. Dominant period 7 seconds. Northeast swells 4+'. Small craft should exercise caution warning issued.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12.5
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2548
			Total Work Hours From Start of Construction	2563

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 4-6' seas with occasional 8') prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 1, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/1/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 087**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2.5
Michael Bowman	Computer Operator	ASI	Computer Operator	2.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5
Steve Knight	Mechanic	ASI	Mechanic	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

2/1/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/4/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 088
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~74°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 8 seconds. Northeast swells 4+'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2563
			Total Work Hours From Start of Construction	2588

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 5+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 4, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/4/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 088**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	5
Michael Bowman	Computer Operator	ASI	Computer Operator	5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

2/4/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/7/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 089
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~73°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 15 to 20 knots. Seas 5 to 7 feet with occasional 9 feet seas. Dominant period 7 seconds. Small craft advisory issued. Maintenance day on boat only.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2588
			Total Work Hours From Start of Construction	2613

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 5+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 7, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/7/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 089**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	5
Michael Bowman	Computer Operator	ASI	Computer Operator	5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

2/7/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/8/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 090
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~75°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 15 to 20 knots. Seas 5 to 7 feet with occasional 9 feet seas. Dominant period 7 seconds. Small craft advisory issued. Maintenance/security check on boat only.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	6
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2613
			Total Work Hours From Start of Construction	2619

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 5+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 8, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/8/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 090**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	0
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

2/8/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/9/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 091
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy/windy, ~76°F	PM WEATHER: partly cloudy/windy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 15 to 20 knots. Seas 4 to 6 feet with occasional 8 feet seas. Dominant period 7 seconds. Small craft should exercise caution advisory issued. Maintenance/security check on boat only.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	4
			Total On-Site Hours This Date	6
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2619
			Total Work Hours From Start of Construction	2625

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 5+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 9, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/9/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 091**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	0
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

2/9/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/10/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 092
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~72°F	PM WEATHER: partly cloudy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 12 transects completed totaling 15,489 linear meters (transects 1166 – 1174).
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 8 seconds.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	42
			Total On-Site Hours This Date	52.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2625
			Total Work Hours From Start of Construction	2677.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 10, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/10/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 092**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	10.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	10.5
Michael Bowman	Computer Operator	ASI	Computer Operator	10.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	10.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

2/10/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/11/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 093
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~80°F	MAX TEMP: 81°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 15 to 20 knots. Seas 4 to 6 feet with occasional 8 feet seas. Dominant period 8 seconds. Small craft should exercise caution advisory issued. Maintenance/security check on boat only.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	10
			Total On-Site Hours This Date	12.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2677.5
			Total Work Hours From Start of Construction	2690

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (15-20 kt winds and 4+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 11, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/11/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 093**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2.5
Michael Bowman	Computer Operator	ASI	Computer Operator	2.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

2/11/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/13/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 094
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~71°F	PM WEATHER: partly cloudy, ~80°F	MAX TEMP: 80°F	MIN TEMP: 71°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Sea state too rough for surveying.
Sea State: East winds 5 to 10 knots. Seas 3 to 5 feet with occasional 6 feet seas. Dominant period 10 seconds. East swell 4+ feet. Maintenance/security check on boat only.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	8
			Total On-Site Hours This Date	10
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2690
			Total Work Hours From Start of Construction	2700

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea state (4+' swells) prevented surveying for the day.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 13, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/13/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 094**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

2/13/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/14/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 095
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~72°F	PM WEATHER: partly cloudy, ~80°F	MAX TEMP: 80°F	MIN TEMP: 72°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 3 transects completed totaling 2,110 linear meters (transects 1001 – 1003) completing western anchorage area.
Sea State: East winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 9 seconds. East swell 3 feet.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	10
Subcontractor On-Site Hours	50
Total On-Site Hours This Date	60
Cumulative Total of Work Hours From Previous Report	2700
Total Work Hours From Start of Construction	2760

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Boat broke down near the end of day (port engine) and returned to Puerto Del Ray marina.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Feb. 14, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 2/14/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 095**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	10
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	10
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	10
Michael Bowman	Camera/wench operator	ASI	Camera/wench operator	10
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	10
Michelle Thomas	Computer Operator	ASI	Computer Operator	10

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

2/14/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 03/17/16

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 009
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: sunny, mild ~74°F	PM WEATHER: sunny, hot ~82°F	MAX TEMP: 82°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

- Transects Complete: 1007, 1006, 1005, 1004
- Transects Partially Complete: 1003 (~75% complete)

PLAN FOR TOMORROW – continue magnetometer surveys in Region A (deep anchorages)

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	10.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	42
			Total On-Site Hours This Date	52.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	169.5
			Total Work Hours From Start of Construction	222

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted): PTSP – topic: hand safety; mock deployment and retrieval of magnetometer array

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	J. Snyder			
GPS	Atlas Link/Trimble	J. Snyder			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

GPS malfunction intermittently throughout day; loss of GoPro camera due to leaking housing resulting in loss of video of surveyed transects

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				17 Mar 2016	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/17/16
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 009

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M HILL	Oversight/SSO	10.5
Mark Padover	Field Team Leader/Boat Operator	ASI	Field Team Leader	10.5
Scott Kruithof	Assistant/Deckhand	ASI	Assistant/Deckhand	10.5
Jeff Snyder	Geophysicist	HDR	Geophysicist	10.5
Rob Irons	Geophysicist	HDR	Geophysicist	10.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

17 Mar 2016

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/31/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 096
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~80°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. ASI crew mobilized back to Beach 5 area from Puerto Del Ray after boat repairs; sea state too rough to survey in afternoon.
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 8 ft seas. Dominant period 11 seconds.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	14
			Total On-Site Hours This Date	17.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2760
			Total Work Hours From Start of Construction	2777.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Boat moved back onsite from Puerto Del Ray marina after repairs. Rough sea conditions (10-15 knot winds and seas 3-5') in afternoon prevented any work from being done

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Mar. 31, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 3/31/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 096**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	3.5
Michael Bowman	Computer Operator	ASI	Computer Operator	3.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

3/31/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/1/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 097
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None. Crew completed surveys of Transects 1706, 1709, 1712 (6,362 linear meters); however line length encoder failed and data is likely invalidated.
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 ft seas. Dominant period 10 seconds. NE swell 4-5'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	7.5
Subcontractor On-Site Hours	30
Total On-Site Hours This Date	37.5
Cumulative Total of Work Hours From Previous Report	2777.5
Total Work Hours From Start of Construction	2815

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Rough sea conditions (10-15 knot winds and seas 3-5') in afternoon prevented any further work from being done. Line length encoder failure likely has invalidated survey data collected today.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 1, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/1/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 097**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	3.5
Michael Bowman	Computer Operator	ASI	Computer Operator	3.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/1/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/3/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 098
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work. Boat welfare check only.
Sea State: East winds 10 to 15 knots. Seas 4 to 6 feet with occasional 8 ft seas. Dominant period 12 seconds. NE swell 4-5'. Small craft should exercise caution advisory issued.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2815
			Total Work Hours From Start of Construction	2822.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 4-6') prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 3, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/3/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 098**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/3/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/4/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 099
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work. Boat welfare check only.
Sea State: East winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 ft seas. Dominant period 11 seconds. NE swell 4'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	12
			Total On-Site Hours This Date	15
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2822.5
			Total Work Hours From Start of Construction	2837.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 3-5' and a strong NE ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 4, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/4/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 099**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	3
Michael Bowman	Computer Operator	ASI	Computer Operator	3
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/4/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/5/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 100
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work. Boat welfare check only.
Sea State: East winds 10 to 15 knots. Seas 4 to 6 feet with occasional 8 ft seas. Dominant period 11 seconds. NE swell 4-5'. Small craft advisory issued.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	2
Subcontractor On-Site Hours	8
Total On-Site Hours This Date	10
Cumulative Total of Work Hours From Previous Report	2837.5
Total Work Hours From Start of Construction	2847.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 4-6' and a strong N ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 5, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/5/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 100**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/5/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/7/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 101
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work. Boat welfare check only.
Sea State: East winds 10 to 15 knots. Seas 4 to 6 feet with occasional 8 ft seas. Dominant period 11 seconds. N swell 4-5'. Small craft should exercise caution advisory issued.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	8
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2847.5
			Total Work Hours From Start of Construction	2855.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 4-6' and a strong N ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 7, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/7/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 101**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	0
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/7/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/8/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 102
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~73°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work.
Sea State: East winds 10 to 15 knots. Seas 2 to 4 feet with occasional 5 ft seas. Dominant period 10 seconds. NE swell 4-5'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	4
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	16
			Total On-Site Hours This Date	20
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2855.5
			Total Work Hours From Start of Construction	2875.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 2-4' and a strong NE ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 8, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/8/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 102**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	4
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	4
Michael Bowman	Camera/wench operator	ASI	Camera/wench operator	4
Michelle Thomas	Computer Operator	ASI	Computer Operator	4
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	4

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/8/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/9/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 103
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~6F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work.
Sea State: East winds 5 to 10 knots. Seas 1 to 3 feet with occasional 4 ft seas. Dominant period 12 seconds. NE swell 4-5'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	4.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	18
			Total On-Site Hours This Date	22.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2875.5
			Total Work Hours From Start of Construction	2898

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 2-4' and a strong NE ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 9, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/9/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 103**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	4.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	4.5
Michael Bowman	Camera/wench operator	ASI	Camera/wench operator	4.5
Michelle Thomas	Computer Operator	ASI	Computer Operator	4.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	4.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/9/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/10/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 104
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~75°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: None –rough sea conditions prevented any work.
Sea State: East winds 10 to 15 knots. Seas 4 to 6 feet with occasional 8 ft seas. Dominant period 8 seconds. E swell 4'. Small craft should exercise caution warning issued.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No

TOTAL WORK HOURS ON JOB SITE THIS DATE (Including Continuation Sheets)	
CH2M HILL On-Site Hours	3.5
Subcontractor On-Site Hours	14
Total On-Site Hours This Date	17.5
Cumulative Total of Work Hours From Previous Report	2898
Total Work Hours From Start of Construction	2915.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 4-6' and a strong E ground swell) prevented any work from being done.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 10, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/10/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 104**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	3.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	3.5
Michael Bowman	Camera/wench operator	ASI	Camera/wench operator	3.5
Michelle Thomas	Computer Operator	ASI	Computer Operator	3.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/10/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/11/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 105
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: light rain, ~70°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 83°F	MIN TEMP: 70°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 2 transects complete totaling 4,540 linear meters (1706 and 1712).
Sea State: Southeast winds 10 to 15 knots. Seas 3 to 5 feet with occasional 6 ft seas. Dominant period 7 seconds. NE swell 4-5'.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	6.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	26
			Total On-Site Hours This Date	32.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2915.5
			Total Work Hours From Start of Construction	2948

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Rough sea conditions (10-15 knot winds and seas 3-5' and a strong NE ground swell) stopped work in the afternoon.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 11, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/11/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 105**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	6.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	6.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	6.5
Michael Bowman	Computer Operator	ASI	Computer Operator	6.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	6.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

4/11/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/12/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 106
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~73°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 73°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 1 transects completed totaling 3,644 linear meters (1687). Note: two other transects (1686 and 1707) completed but line length encoder failed and invalidated data.
Sea State: Southeast winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 7 seconds.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	8
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	32
			Total On-Site Hours This Date	40
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2948
			Total Work Hours From Start of Construction	2988

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
Line length encoder failed twice (despite replacing) and likely invalidated completed transects 1686 and 1707.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: None

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 12, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/12/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 106**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	8
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	8
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	8
Michael Bowman	Computer Operator	ASI	Computer Operator	8
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	8

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

SUPERINTENDENT'S SIGNATURE

4/12/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/13/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 107
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Jeremy Scott	SITE H&S SPECIALIST: Jeremy Scott	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 22 transects completed totaling 11,026 linear meters (1103, 1104, 1119, 1120, 1123, 1125, 1127, 1180, 1602, 1617, 1618, 1623, 1646, 1655, 1656, 1672, 1675, 1676, 1682, 1683, 1685, and 1686). .

Sea State: Southeast winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 11 seconds.

Plan for Remainder of Week: continue to survey north side priority transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	46
			Total On-Site Hours This Date	57.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	2988
			Total Work Hours From Start of Construction	3045.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: 8 boats and approximately 50 people in Beach 5 area when crew returned from surveying. Boat that was anchored near mooring was asked to move over because of proximity to survey vessel and captain complied.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒				Apr. 13, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/13/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 107**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Jeremy Scott	Oversight/SSO	CH2M	Oversight/SSO	11.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	11.5
Michael Bowman	Computer Operator	ASI	Computer Operator	11.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	11.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

4/13/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/14/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 108
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 9 transects completed totaling 12,587 linear meters (transects 1707, 1708, 1709, 1710, 1711, 1713, 1714, 1715, and 1716).
Sea State: East winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 11 seconds.

Plan for Remainder of Week: continue to survey north side priority 2 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	13
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	57
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3045.5
			Total Work Hours From Start of Construction	3102.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):
None

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: 4 boats anchored at Beach 5, one boat looked like it was tied to the RMB by the south barrier. Photos on server.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 14, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/14/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 108**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	13
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	11
Michael Bowman	Computer Operator	ASI	Computer Operator	11
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/14/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/15/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 109
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, ~74°F	PM WEATHER: partly cloudy, ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 22 transects completed totaling 10,395 linear meters (transects 1491, 1492, 1536, 1537, 1540, 1703, 1717, 1723, 1724, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751 and 1753).

Sea State: East winds 5 to 10 knots. Seas 1 to 3 feet. Dominant period 11 seconds. Winds were a little stronger upon arrival at Beach 5 and were coming more from the north.

Plan for Remainder of Week: Off on Sunday 4/16/17 for Easter.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	12.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	48
			Total On-Site Hours This Date	60.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3102.5
			Total Work Hours From Start of Construction	3163

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Issues with winch celluloid- was replaced, tested and is up and functioning properly.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC: Throughout the day between 5-12 boats came and went at Beach 5- all anchored for the time they were there.

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 15, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/15/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 109**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	12.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	12
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	12
Michael Bowman	Computer Operator	ASI	Computer Operator	12
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	12

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/15/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/16/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 110
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: 0 – OFF FOR EASTER

Sea State: East winds 15 to 20 knots. Seas 3-5 feet w/occasional 6 foot seas. Dominant period 8 seconds.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	1.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3163
			Total Work Hours From Start of Construction	3164.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 16, 2017	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/16/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 110**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	0
Michael Bowman	Computer Operator	ASI	Computer Operator	0
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/16/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/17/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 111
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride

AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: zero transects completed – **WEATHER DAY**
Sea State: East winds 15 to 20 knots. Seas 5-7 feet w/occasional 9 foot seas. Dominant period 8 seconds.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3.25
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	7.50
			Total On-Site Hours This Date	10.75
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3164.5
			Total Work Hours From Start of Construction	3175.25

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 17, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/17/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 111**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	3.25
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	.5
Michael Bowman	Computer Operator	ASI	Computer Operator	3.25
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3.25

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/17/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/18/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 112
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride

AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**
Sea State: East winds 15 to 20 knots. Seas 6-8 feet w/occasional 10 foot seas. Northeast swells 4-7 feet. Dominant period 11 seconds. Scattered showers.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.75
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	3.50
			Total On-Site Hours This Date	5.25
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3175.25
			Total Work Hours From Start of Construction	3180.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 18, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/18/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 112**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.75
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.75
Michael Bowman	Computer Operator	ASI	Computer Operator	1.75
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/18/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/19/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 113
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**
Sea State: East winds 15 to 20 knots. Seas 6-8 feet w/occasional 10 foot seas. Northeast swells 4-7 feet. Dominant period 11 seconds. Scattered showers.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	5.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	11.50
			Total On-Site Hours This Date	17.0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3180.5
			Total Work Hours From Start of Construction	3197.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Attempted to transit to Puerto del Ray for gas but conditions were too rough.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 19, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/19/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 113**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	5.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	3.75
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	3.75

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/19/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/20/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 114
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: NORTHEAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 10 SECONDS. EAST SWELL AROUND 4 FEET. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	4
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	10
			Total On-Site Hours This Date	14
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3197.5
			Total Work Hours From Start of Construction	3211.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI is transiting to Puerto del Ray for gas; will return and moor at Beach 17 in preparation for transects in Priority 1 areas on the south side.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 20, 2017	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/20/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 114**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	4
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2.5
Michael Bowman	Computer Operator	ASI	Computer Operator	2.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

4/20/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/21/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 115
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 8 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	8
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	30
			Total On-Site Hours This Date	38
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3211.5
			Total Work Hours From Start of Construction	3249.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Transited from Beach 17 to east end and western anchorage- too rough on south side to complete transects.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		Apr. 21, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/21/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 115**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	8
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	7.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	7.5
Michael Bowman	Computer Operator	ASI	Computer Operator	7.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	7.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

4/21/17

SUPERINTENDENT'S SIGNATURE

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/24/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 116
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~76°F	PM WEATHER: partly cloudy, scattered showers ~84°F	MAX TEMP: 84°F	MIN TEMP: 76°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 15 TO 20 KNOTS. SEAS 4 TO 6 FEET WITH OCCASIONAL SEAS UP TO 8 FEET. DOMINANT PERIOD 7 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	8
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3249.5
			Total Work Hours From Start of Construction	3257.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea-state and weather too rough to perform survey (see above)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 24, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/24/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 116**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

4/24/17

SUPERINTENDENT'S SIGNATURE

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/25/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 117
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~79°F	PM WEATHER: partly cloudy, scattered showers ~85°F	MAX TEMP: 85°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 12 TO 15 KNOTS. SEAS 4 TO 6 FEET WITH OCCASIONAL SEAS UP TO 7 FEET. DOMINANT PERIOD 6 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	8
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3257.5
			Total Work Hours From Start of Construction	3265.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea-state and weather too rough to perform survey (see above)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 25, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/25/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 117**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

SUPERINTENDENT'S SIGNATURE

4/25/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/26/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 118
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~79°F	PM WEATHER: partly cloudy, scattered showers ~85°F	MAX TEMP: 85°F	MIN TEMP: 79°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 12 TO 18 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 6 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	2
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	8
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3265.5
			Total Work Hours From Start of Construction	3273.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea-state and weather too rough to perform survey (see above)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 26, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/26/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 118**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	2
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

SUPERINTENDENT'S SIGNATURE

4/26/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/27/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 119
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~77°F	PM WEATHER: partly cloudy, scattered showers ~85°F	MAX TEMP: 85°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 8 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	8
			Total On-Site Hours This Date	11
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3273.5
			Total Work Hours From Start of Construction	3284.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea-state and weather too rough to perform survey (see above)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 27, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/27/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 119**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

4/27/17

SUPERINTENDENT'S SIGNATURE

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/28/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 120
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~77°F	PM WEATHER: partly cloudy, scattered showers ~84°F	MAX TEMP: 84°F	MIN TEMP: 77°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 14 TO 18 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 6 SECONDS. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	3
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	8
			Total On-Site Hours This Date	11
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3284.5
			Total Work Hours From Start of Construction	3295.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Sea-state and weather too rough to perform survey (see above)

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 28, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/28/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 120**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	3
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	2
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	2
Michael Bowman	Computer Operator	ASI	Computer Operator	2
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	2

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

4/28/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/29/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 121
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Ronny Fields	SITE H&S SPECIALIST: Ronny Fields	
AM WEATHER: partly cloudy, scattered showers ~75°F	PM WEATHER: partly cloudy, scattered showers ~83°F	MAX TEMP: 83°F	MIN TEMP: 75°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 15 TO 20 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 10 SECONDS. EAST SWELL AT 4 FEET. ISOLATED THUNDERSTORMS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	0
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	0
			Total On-Site Hours This Date	0
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3295.5
			Total Work Hours From Start of Construction	3295.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Forecast indicated a worse sea-state and thunderstorms, team decided to make the weather day call via phone on Saturday- No personnel on-site.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Jerry R. Fields Jr.		Apr. 29, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 4/29/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 121**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Ronny Fields	Oversight/SSO	CH2M	Oversight/SSO	0
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	0
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	0
Michael Bowman	Computer Operator	ASI	Computer Operator	0
Carlos Miro	Assistant/Deckhand	ASI	Assistant/Deckhand	0

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Jerry R. Fields Jr

SUPERINTENDENT'S SIGNATURE

4/29/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/02/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 122
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 15 TO 20 KNOTS. SEAS 4 TO 6 FEET WITH OCCASIONAL SEAS UP TO 8 FEET. DOMINANT PERIOD 11 SECONDS. EAST SWELL 4 TO 5 FEET IN THE AFTERNOON. SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS.

SMALL CRAFT ADVISORY

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3295.5
			Total Work Hours From Start of Construction	3303

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Went down range to check on boat. Strong winds and waves breaking at Beach 17.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None .					
SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 02, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/02/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 122**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/02/17

SUPERINTENDENT'S SIGNATURE

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/03/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 123
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~74°F	PM WEATHER: partly cloudy, scattered showers ~82°F	MAX TEMP: 82°F	MIN TEMP: 74°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 10 SECONDS. EAST SWELL 4 TO 5 FEET. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3303
			Total Work Hours From Start of Construction	3310.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Went down range to check on boat. Strong winds and waves breaking at Beach 17.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 03, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/03/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 123**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/03/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/04/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 124
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 10 SECONDS. NORTHEAST SWELL AROUND 4 FEET. SCATTERED SHOWERS.

Plan for Remainder of Week: Transit to south side to complete priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	4
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	16
			Total On-Site Hours This Date	20
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3310.5
			Total Work Hours From Start of Construction	3330.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Went down range to check on boat- went out into open water to assess sea state. Too rough so we came back in and tied up at the mooring for an hour to see if it would calm down. Went back out to check again but sea state was the same. ASI replaced the intake impeller on the starboard engine because it was not pumping water in to cool the engine.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 04, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/04/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 124**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	4
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	4
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	4
Michael Bowman	Computer Operator	ASI	Computer Operator	4
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	4

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/04/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/05/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 125
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – WEATHER DAY**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 8 SECONDS.ISOLATED SHOWERS THROUGHOUT THE DAY.

Plan for Remainder of Week: south side priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3330.5
			Total Work Hours From Start of Construction	3338.0

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 05, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/05/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 125**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/05/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/06/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 126
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – TOO ROUGH**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 8 SECONDS.ISOLATED SHOWERS

Plan for Remainder of Week: south side priority 1 transects.

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3338.0
			Total Work Hours From Start of Construction	3345.5

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 06, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/06/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 126**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/06/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/08/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR	REPORT NO: 127
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride

AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: **zero transects completed – TOO ROUGH**

Sea State: EAST WINDS 10 TO 15 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 8 SECONDS.SCATTERED SHOWERS.

Plan for Remainder of Week: south side priority 1 transects.

3353.0

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	1.5
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	6
			Total On-Site Hours This Date	7.5
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3345.5
			Total Work Hours From Start of Construction	3353.0

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Changed out serpentine alternator belt on starboard engine because it was squeaking.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 08, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/08/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 127**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	1.5
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	1.5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	1.5
Michael Bowman	Computer Operator	ASI	Computer Operator	1.5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	1.5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/08/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/10/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 128
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Four transects (1201, 1203, 1204, and 1205) for a total of 13, 211 linear meters completed.

Sea State: SOUTHEAST WINDS 15 TO 20 KNOTS. SEAS 3 TO 5 FEET WITH OCCASIONAL SEAS UP TO 6 FEET. DOMINANT PERIOD 11 SECONDS.SCATTERED SHOWERS THROUGH THE DAY.ISOLATED THUNDERSTORMS IN THE AFTERNOON.

Plan for Remainder of Week: WORK ON PRIORITY 3 TRANSECTS

3353.0

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	44
			Total On-Site Hours This Date	55
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3353.0
			Total Work Hours From Start of Construction	3408.0

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

Video camera broke while completing transect 1204. Will attempt to splice and fix for use in the morning. CH2M will also provide a go pro Wi-Fi extender cable that is 300 feet long for potential use should the splice not work.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 10, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/10/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 128**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	11
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	11
Michael Bowman	Computer Operator	ASI	Computer Operator	11
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	11

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

5/10/17

DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/11/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 129
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Zero transects completed- no working video camera.

Sea State: EAST WINDS 5 TO 10 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 11 SECONDS.SCATTERED SHOWERS THROUGH THE DAY.ISOLATED THUNDERSTORMS IN THE AFTERNOON.

Plan for Remainder of Week: WORK ON PRIORITY 3 TRANSECTS

3353.0

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	7
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	20
			Total On-Site Hours This Date	27
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3408.0
			Total Work Hours From Start of Construction	3435.0

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI splice for video camera didn't work. CH2M Wi-Fi extender cable for Go Pro didn't work. ASI transiting to main island to get supplies to attempt a repair again on the video camera.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 11, 2017	
		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/11/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 129**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	7
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	5
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	5
Michael Bowman	Computer Operator	ASI	Computer Operator	5
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	5

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

5/11/17

SUPERINTENDENT'S SIGNATURE DATE

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/12/17

CTO NO: 0019	PROJECT NAME/LOCATION. UXO 16 Wide Area Assessment/Vieques, PR		REPORT NO: 130
PROJECT NO: 491944.FI.FK.UW	SUPERINTENDENT: Lora Pride	SITE H&S SPECIALIST: Lora Pride	
AM WEATHER: partly cloudy, scattered showers ~78°F	PM WEATHER: partly cloudy, scattered showers ~86°F	MAX TEMP: 86°F	MIN TEMP: 78°F

SUMMARY OF WORK PERFORMED TODAY

Transects Complete: Eight transects (1001, 1002, 1003, 1312, 1319, 1380, 1495, 1678) for a total of 2, 977 linear meters completed.

Sea State: NORTHEAST WINDS 5 TO 10 KNOTS. SEAS 2 TO 4 FEET WITH OCCASIONAL SEAS UP TO 5 FEET. DOMINANT PERIOD 11 SECONDS.ISOLATED SHOWERS.

Plan for Remainder of Week: WORK ON PRIORITY 3 TRANSECTS

3353.0

JOB

Was A Job Safety Meeting Held This Date?	☒ Yes	☐ No	**TOTAL WORK HOURS ON JOB SITE THIS DATE** (Including Continuation Sheets)	
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)	☐ Yes	☒ No	CH2M HILL On-Site Hours	11.75
Was the seafloor impacted with the magnetometer array?	☐ Yes	☒ No		
Was there any damage to endangered species or sensitive habitats (e.g. coral reefs, turtle grass, etc.)?	☐ Yes	☒ No	Subcontractor On-Site Hours	47
			Total On-Site Hours This Date	58.75
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes	☒ No	Cumulative Total of Work Hours From Previous Report	3435.0
			Total Work Hours From Start of Construction	3493.75

SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED (Include Safety Violations, Corrective Instructions Given, Corrective Actions Taken, and Results of Safety Inspections Conducted):

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB

DESCRIPTION OF EQUIPMENT/MATERIAL RECEIVED	MAKE/ MODEL/ MANUFACTURER	EQUIPMENT/ LOT NUMBER	INSPECTION PERFORMED BY	NUMBER/ VOLUME/ WEIGHT

EQUIPMENT USED ON JOB SITE TODAY.

EQUIPMENT DESCRIPTION	EQUIPMENT MAKE/MODEL	SAFETY CHECK PERFORMED BY	NUMBER OF HOURS		
			USED	IDLE	REPAIR
R/V Charlie Morris (36'vessel)	HDR Environmental	M. Padover			
Magnetometer Array	Geometrics	M. Padover			
GPS	Atlas Link/Trimble	M. Padover			
Water Tender 94 dinghy	KL Outdoor	M. Padover			

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED (List any conflicts with the delivery order [i.e., scope of work and/or drawings], delays to the project attributable to site and weather conditions, etc.):

ASI 2nd splice attempt for video camera worked.

VISITORS TO THE SITE OR CONTACT WITH THE PUBLIC:

LIST OF ATTACHMENTS: None

.

SAFETY REQUIREMENTS HAVE BEEN MET ☒		Lora Pride		May 12, 2017	

		SUPERINTENDENT'S SIGNATURE		DATE	

CH2M HILL **N62470-11-D-8012**	**CONTRACTOR PRODUCTION REPORT** (ATTACH ADDITIONAL SHEETS IF NECESSARY)	REVISION NO: 0 REVISION DATE: 5/12/17
CTO NO: CTO-0019	PROJECT NAME/LOCATION: UXO 16 Wide Area Assessment/Vieques, PR	**REPORT NO: 130**

WORK PERFORMED TODAY

EMPLOYEE	WORK PERFORMED	EMPLOYER	TITLE/TRADE	HRS
Lora Pride	Oversight/SSO	CH2M	Oversight/SSO	11.75
Mark Padover	FTL/Data Processor/Boat Operator	ASI	Field Team Leader	11.75
Scott Kruithof	Camera/wench operator	ASI	Camera/wench operator	11.75
Michael Bowman	Computer Operator	ASI	Computer Operator	11.75
Will Reasoner	Assistant/Deckhand	ASI	Assistant/Deckhand	11.75

INCLUDE ALL PERSONNEL WORK HOURS IN THE TOTAL WORK HOURS ON JOB SITE

SAFETY REQUIREMENTS HAVE BEEN MET ☒

Lora Pride

SUPERINTENDENT'S SIGNATURE

5/12/17

DATE

Preparatory Phase Checklists

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
1	Jan-Feb 16

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62470-11-D-8012	Pre-mobilization Activities		CTO 0019

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Bill Hannah	Project Manager	CH2M HILL
Renee Hunt	Task Manager	CH2M HILL
Brett Doerr	Activity Manager	CH2M HILL
Jeremy Scott	Field Oversight/SSHO	CH2M HILL
Kevin Cloe	Navy Client	NAVFAC
Madeline Rivera	Navy Client	NAVFAC
Kenneth Hayes	DGM Subcontractor President	ASI
Jon Doi	DGM Subcontractor Project Manager	ASI
Mark Padover	DGM Subcontractor Field Team Leader	ASI

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☒ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☒ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: All submittals approved by NAVFAC

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☒ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. Survey planning prior to mobilization included logistics, survey planning documents (i.e. work plan and safety plan), and coordination with appropriate agencies (USFWS and USCG).

CLARIFY ANY DIFFERENCES.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? All preliminary work permits are on file and all appropriate agencies (USFWS and USCG) have been notified.

TESTING	IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. None
	WHEN REQUIRED? N/A
	WHERE REQUIRED? N/A
	REVIEW TESTING PLAN. N/A
	HAS TEST FACILITIES BEEN APPROVED? N/A
SAFETY	ACTIVITY HAZARD ANALYSIS APPROVED? YES ☒ NO ☐
	REVIEW APPLICABLE PORTION OF EM 385-1-1. ALL AHA's have been developed and reviewed by NAVFAC and CH2M HILL.
MEETING COMMENTS	NAVY/ROICC COMMENTS DURING MEETING. None
OTHER ITEMS OR REMARKS	OTHER ITEMS OR REMARKS: None

QC MANAGER

Jan-Feb 2016
DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
2	08 Mar 16

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62470-11-D-8012	Mobilization/Site Preparation		CTO 0019

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Bill Hannah	Project Manager	CH2M HILL
Renee Hunt	Task Manager	CH2M HILL
Brett Doerr	Activity Manager	CH2M HILL
Jeremy Scott	Field Oversight/SSHO	CH2M HILL
Kevin Cloe	Navy Client	NAVFAC
Madeline Rivera	Navy Client	NAVFAC
Kenneth Hayes	DGM Subcontractor President	ASI
Jon Doi	DGM Subcontractor Project Manager	ASI
Mark Padover	DGM Subcontractor Field Team Leader	ASI

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☒ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☒ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: All submittals approved by NAVFAC and all on site and reviewed during team chartering and kick off at Puerto Del Ray Marina in Fajardo, PR.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☒ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Subcontractors procured, appropriate level of training and certification for all personnel, scope of work developed and reviewed, and equipment inspected and reviewed, communication plan established

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. All work will be accomplished from vessel in waters surrounding Vieques, PR. All personnel and equipment have arrived at marina and has been inspected.

CLARIFY ANY DIFFERENCES.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? All preliminary work permits are on file and all appropriate agencies (USFWS and USCG) have been notified.

TESTING	IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. None
	WHEN REQUIRED? N/A
	WHERE REQUIRED? N/A
	REVIEW TESTING PLAN. N/A
	HAS TEST FACILITIES BEEN APPROVED? N/A
SAFETY	ACTIVITY HAZARD ANALYSIS APPROVED? YES ☒ NO ☐
	REVIEW APPLICABLE PORTION OF EM 385-1-1. ALL AHA's have been reviewed and approved.
MEETING COMMENTS	NAVY/ROICC COMMENTS DURING MEETING. Review of work plan - major comments during meeting are centered on safely working on water, avoidance of environmental concerns (e.g. coral reefs, sea turtles, manatees), and weather limitations
OTHER ITEMS OR REMARKS	OTHER ITEMS OR REMARKS: None

QC MANAGER

08 Mar 2016
DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
3	08 Mar 16

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62470-11-D-8012	DGM Survey	Enter Sched Act ID Here	CTO 0019

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Bill Hannah	Project Manager	CH2M HILL
Renee Hunt	Task Manager	CH2M HILL
Brett Doerr	Activity Manager	CH2M HILL
Jeremy Scott	Field Oversight/SSHO	CH2M HILL
Kevin Cloe	Navy Client	NAVFAC
Madeline Rivera	Navy Client	NAVFAC
Kenneth Hayes	DGM Subcontractor President	ASI
Jon Doi	DGM Subcontractor Project Manager	ASI
Mark Padover	DGM Subcontractor Field Team Leader	ASI

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☒ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☒ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: All submittals approved by NAVFAC and all on site and reviewed during team chartering and kick off at Puerto Del Ray Marina in Fajardo, PR.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☒ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Ground truthing of established transect lines around the island of Vieques, PR. NAVFAC, CH2M HILL senior technical consultants, and DGM subcontractor experts have agreed on transects to accurately determine concentration of offshore UXO material.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. All work will be accomplished from vessel in waters surrounding Vieques, PR. All personnel and equipment have arrived at marina and has been inspected. Instrument Verification Strip (IVS) established, daily quality control checks of GPS and magnetometer arrays, and established method of digital video surveillance of substrate.

CLARIFY ANY DIFFERENCES.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? All preliminary work permits are on file and all appropriate agencies (USFWS and USCG) have been notified.

TESTING	IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. IVS Kinetic and Static test of magnetometer array, GPS functionality test
	WHEN REQUIRED? Daily (morning and afternoon for IVS and static and morning only for GPS)
	WHERE REQUIRED? Established IVS strip area
	REVIEW TESTING PLAN. Reviewed daily and approved by DGM validation personnel
	HAS TEST FACILITIES BEEN APPROVED? Yes
SAFETY	ACTIVITY HAZARD ANALYSIS APPROVED? YES ☒ NO ☐
	REVIEW APPLICABLE PORTION OF EM 385-1-1. ALL AHA's have been reviewed and approved.
MEETING COMMENTS	NAVY/ROICC COMMENTS DURING MEETING. Review of work plan - major comments during meeting are centered on safely working on water, avoidance of environmental concerns (e.g. coral reefs, sea turtles, manatees), and weather limitations
OTHER ITEMS OR REMARKS	OTHER ITEMS OR REMARKS: None

QC MANAGER

08 Mar 2016
DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
4	18 Mar 16

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62470-11-D-8012	DGM Evaluation and Documentation		CTO 0019

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Bill Hannah	Project Manager	CH2M HILL
Renee Hunt	Task Manager	CH2M HILL
Brett Doerr	Activity Manager	CH2M HILL
Jeremy Scott	Field Oversight/SSHO	CH2M HILL
Kevin Cloe	Navy Client	NAVFAC
Madeline Rivera	Navy Client	NAVFAC
Kenneth Hayes	DGM Subcontractor President	ASI
Jon Doi	DGM Subcontractor Project Manager	ASI
Mark Padover	DGM Subcontractor Field Team Leader	ASI

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☒ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☒ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: All submittals approved by NAVFAC and all on site and reviewed during team chartering and kick off at Puerto Del Ray Marina in Fajardo, PR.

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☒ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Positioning/filtering geophysical data by subcontractor ASI, senior review by CH2M HILL STI, distribution analysis to determine areas of concentration of items, video review by CH2M HILL biologists to ensure safety of marine life.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK. All work will be accomplished from vessel in waters surrounding Vieques, PR. All personnel and equipment have arrived at marina and has been inspected. Positioning and filtering of geophysical data, target selection, discrete target analysis, density distribution analysis, and video review.

CLARIFY ANY DIFFERENCES.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? All preliminary work permits are on file and all appropriate agencies (USFWS and USCG) have been notified.

TESTING	IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. IVS Kinetic and Static test of magnetometer array, GPS functionality test
	WHEN REQUIRED? Daily (morning and afternoon for IVS and static and morning only for GPS)
	WHERE REQUIRED? Established IVS strip area
	REVIEW TESTING PLAN. Reviewed daily and approved by DGM validation personnel
	HAS TEST FACILITIES BEEN APPROVED? Yes
SAFETY	ACTIVITY HAZARD ANALYSIS APPROVED? YES ☒ NO ☐
	REVIEW APPLICABLE PORTION OF EM 385-1-1. ALL AHA's have been reviewed and approved.
MEETING COMMENTS	NAVY/ROICC COMMENTS DURING MEETING. Review of work plan - major comments during meeting are centered on safely working on water, avoidance of environmental concerns (e.g. coral reefs, sea turtles, manatees), and weather limitations
OTHER ITEMS OR REMARKS	OTHER ITEMS OR REMARKS: None

QC MANAGER

18 Mar 2016
DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
5	13 May 17

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
N62470-11-D-8012	Demobilization		CTO 0019

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☒ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Bill Hannah	Project Manager	CH2M HILL
Renee Hunt	Task Manager	CH2M HILL
Brett Doerr	Activity Manager	CH2M HILL
Jeremy Scott	Field Oversight/SSHO	CH2M HILL
Jon Doi	DGM Subcontractor Project Manager	ASI
Mark Padover	DGM Subcontractor Field Team Leader	ASI

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☒ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☒ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: All submittals approved by NAVFAC

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☒ NO ☐

IF NO, WHAT ACTION IS TAKEN?

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. Demobilization of personnel and equipment from site.

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK.

CLARIFY ANY DIFFERENCES.

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? All preliminary work permits are on file and all appropriate agencies (USFWS and USCG) have been notified that surveys are completed.

TESTING	IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. None
	WHEN REQUIRED? N/A
	WHERE REQUIRED? N/A
	REVIEW TESTING PLAN. N/A
	HAS TEST FACILITIES BEEN APPROVED? N/A
SAFETY	ACTIVITY HAZARD ANALYSIS APPROVED? YES ☒ NO ☐
	REVIEW APPLICABLE PORTION OF EM 385-1-1. ALL AHA's have been developed and reviewed by NAVFAC and CH2M HILL.
MEETING COMMENTS	NAVY/ROICC COMMENTS DURING MEETING. None
OTHER ITEMS OR REMARKS	OTHER ITEMS OR REMARKS: None

QC MANAGER

13 May 2017
DATE

Appendix D
VSP Geostatistical Estimation of Anomaly Density

APPENDIX D

Geostatistical Estimation of Anomaly Density

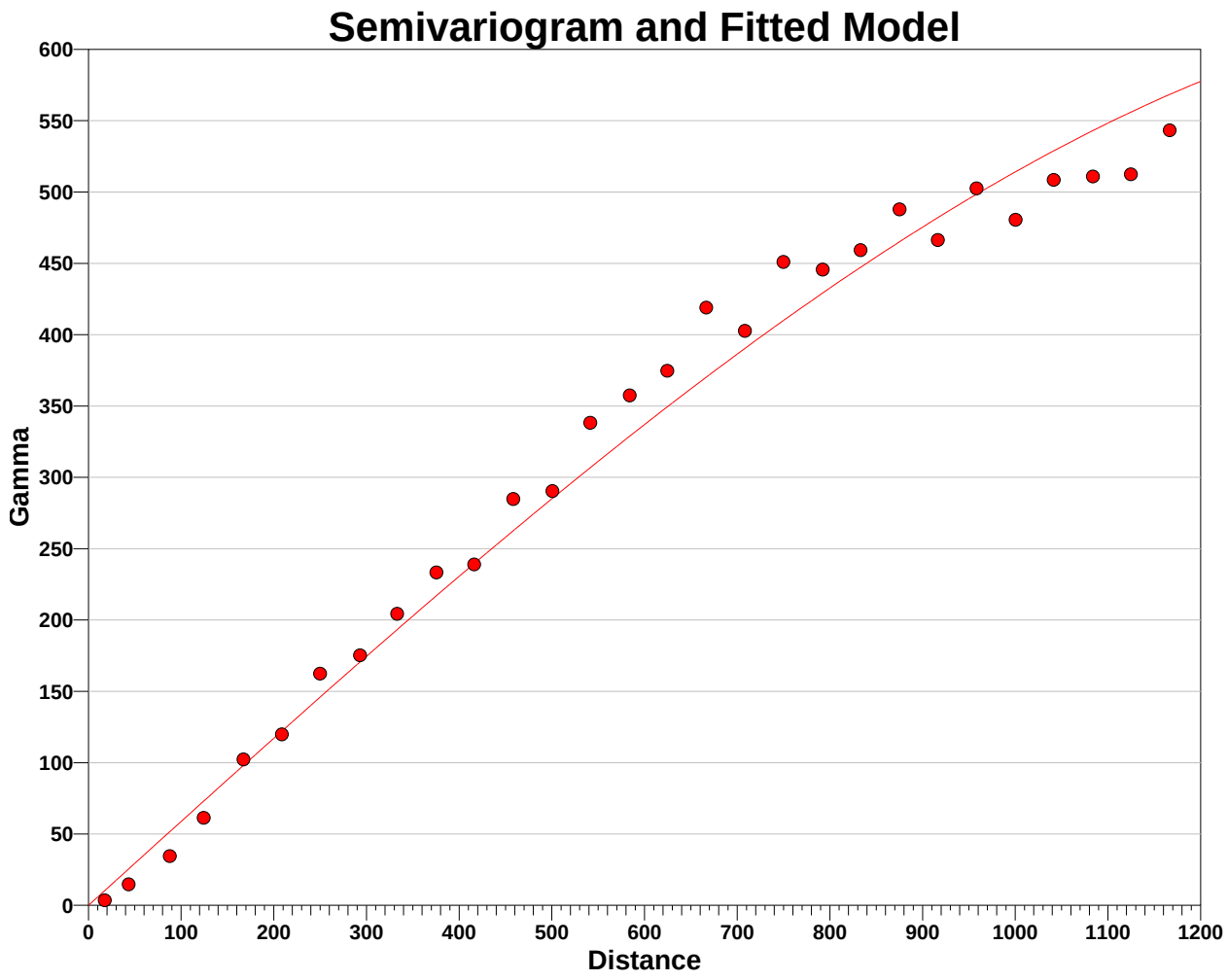
Summary

This report summarizes the parameters and processes used to generate kriging estimates of anomaly density from transect survey samples. The underlying variogram analyses for these results were performed using the GAM/GAMV codes[1]. The graphical user interface for these codes, GAM/GAMV GUI was developed by Sandia National Laboratories.

Variogram

The following table and figure summarize the variogram analysis and model used in the kriging estimation.

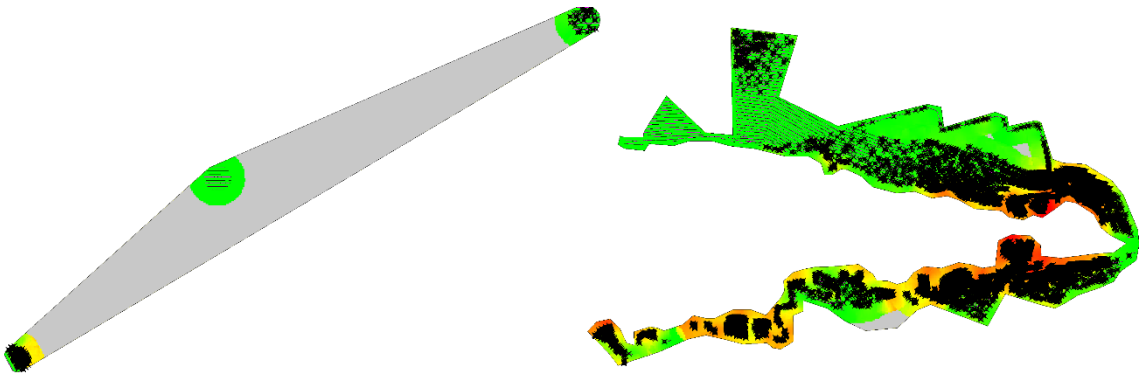
SUMMARY OF VARIOGRAM ANALYSIS	
Run Mode	Automatic
Variogram Data Field	Anomaly Density
Window Diameter	250 meters
Variogram Control Parameters	
Distance Between Lags	41.6667 meters
Lag Tolerance Length	20.8333 meters
Number of Lags	30
Variogram Model	
Nugget	0
Model type 1	Spherical
Range 1	1623.19 meters
Sill 1	636.892


Semivariogram and Fitted Model
Gamma
Distance
0
50
100
150
200
250
300
350
400
450
500
550
600
0
100
200
300
400
500
600
700
800
900
1000
1100
1200

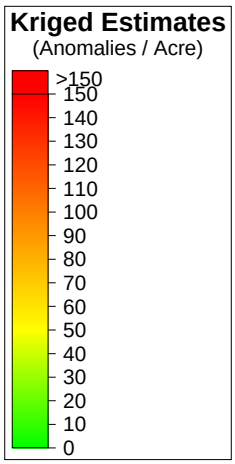
SUMMARY OF KRIGING ESTIMATION	
Run Mode	Automatic
Window Diameter	250 meters
Estimation Type	Anomaly Density
Grid	
Number of X Nodes	879
Number of Y Nodes	283
X Origin	224023.02
Y Origin	2002497.50
X Block Size	41 meters
Y Block Size	41 meters
Search/Discretization	
Use Octant Search	True
Max Number of Neighbors	8
Kriging Minimum	2
Kriging Maximum	50
Max Search Radius	500 meters
Min Search Radius	500 meters
Reset Negative Values	True

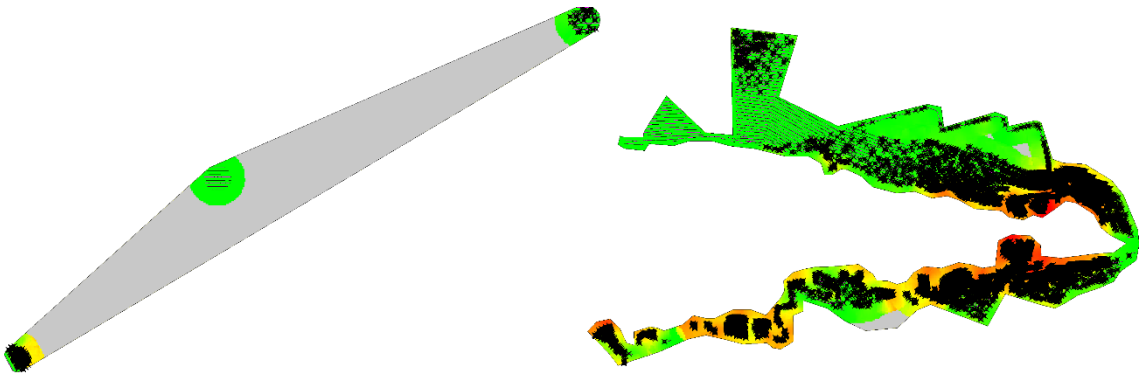
Site Map With Kriging Results

The following figures show the results from the kriging estimation. The maps shown are from the active (most recently created) kriging estimation. The top figure shows the estimate values with the variance of the estimates shown in the lower figure. Areas within the sample area but without color-shading indicate areas where estimation was not possible due to lack of data within the search neighborhood.

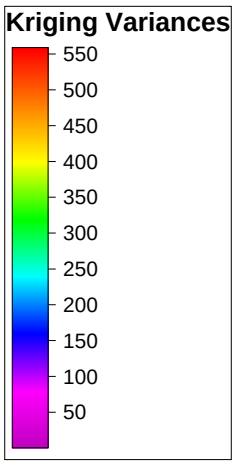


Kriged Estimates





Estimation Variances



Primary Analysis Objective

The primary purpose of this analysis is to generate a continuous estimate of anomaly density for the entire sample site based on limited geophysical transect data

Analytical Approach

The kriging estimate is developed using observational data collected from field surveys along limited sampling transects. Prior to kriging, the observation data are transformed from location values to density values. This is done using a moving window which is translated along each sample transect. The total anomaly count and total transect sample area within the window area are used to compute a sample anomaly density value at a spacing of 1/6th the averaging window diameter along the transects. These sample anomaly density values are then used as conditioning data within the kriging estimator to estimate anomaly density values at un-sampled locations. The

underlying spatial correlation of the sample anomaly density data is modeled with a variogram. The variogram model is then used within the Ordinary Kriging estimator to generate estimates with minimized variance. No estimate is generated for locations with insufficient sample data within the kriging search radius. Estimated anomaly density values are in the units of anomalies per acre.

References

[1]Deutsch, C.V. and A.G. Journel. 1998. *GSLIB Geostatistical Software Library and User's Guide*, 2nd Edition, Applied Geostatistics Series, Oxford University Press, Inc. New York, NY.

This report was automatically produced* by Visual Sample Plan (VSP) software version 7.9.

This design was last modified 9/21/2017 7:36:31 PM.

Software and documentation available at http://vsp.pnnl.gov

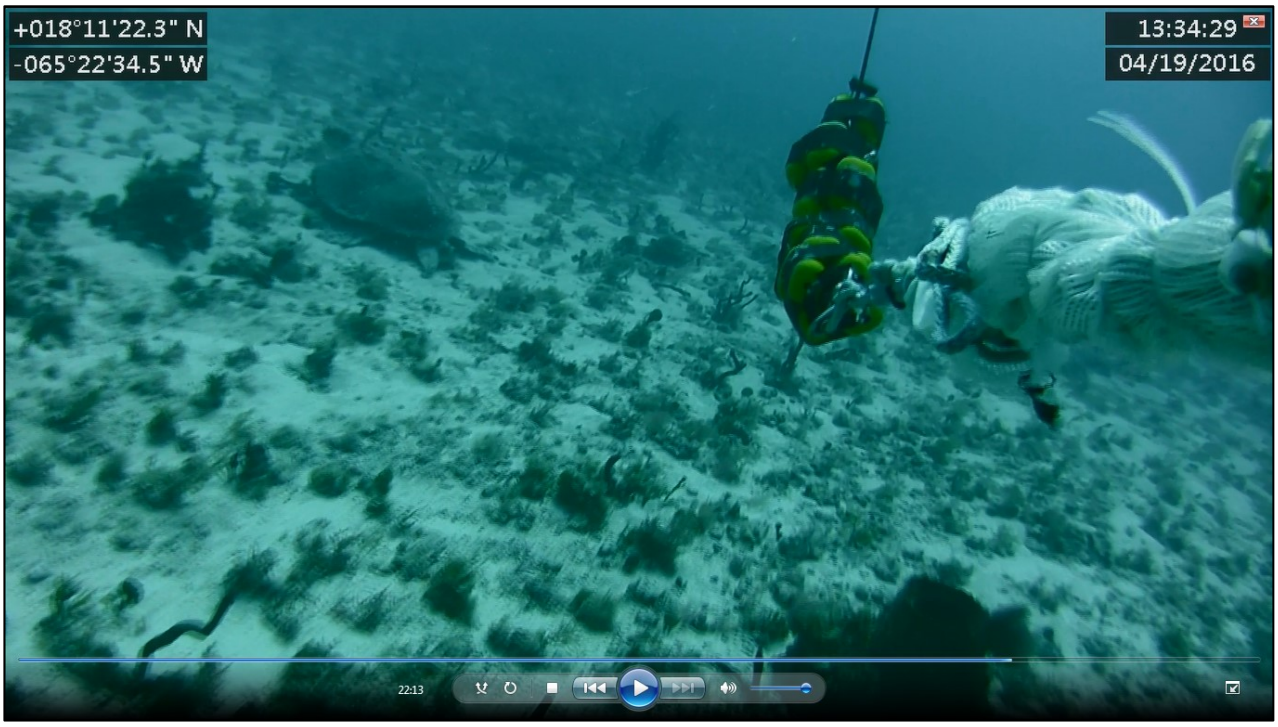
Software copyright (c) 2017 Battelle Memorial Institute. All rights reserved.

* - The report contents may have been modified or reformatted by end-user of software.

Appendix E
Sea Turtle Sighting Documentation

APPENDIX E

Sea Turtle Sighting Documentation



04/19/2016 13:34:29

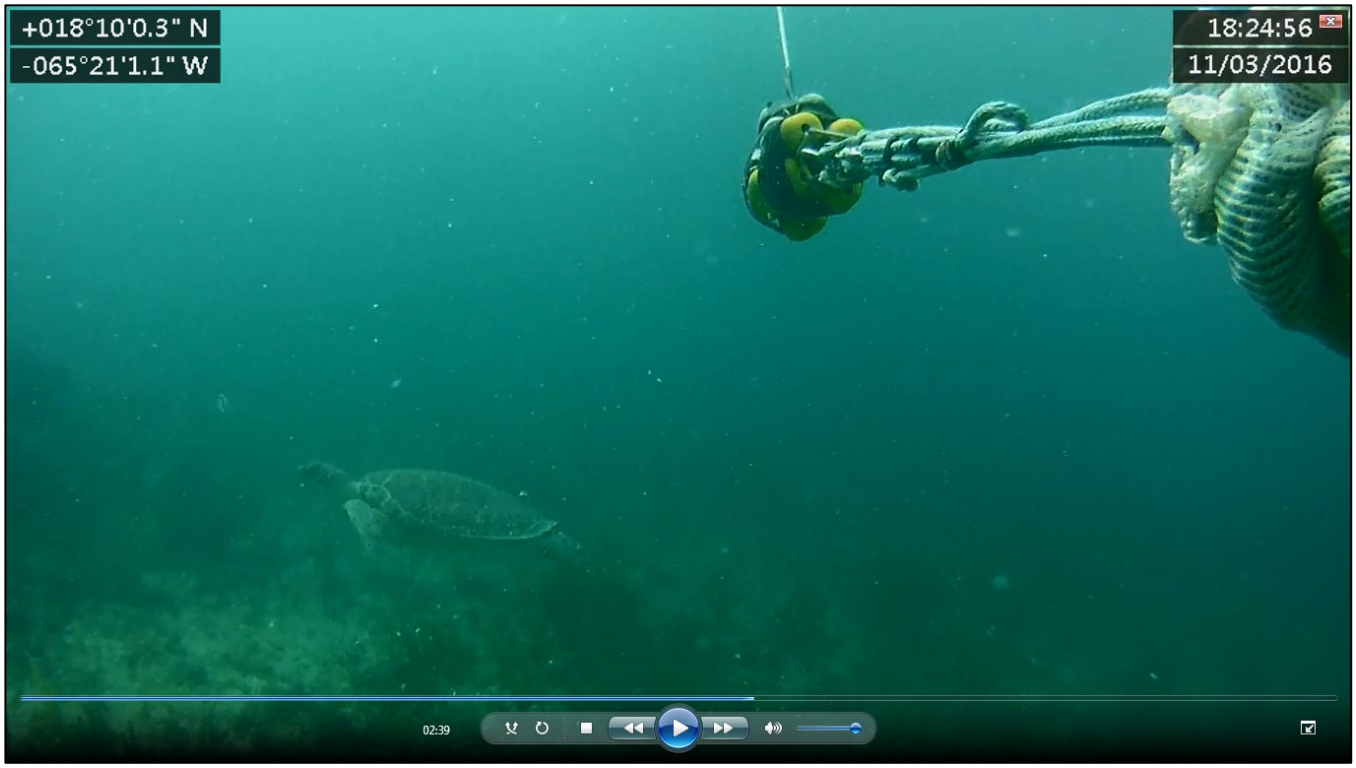
Sea turtle. Transect 1136 Playa Campanita. No action taken.

05/06/2016 15:44:00

Hawksbill or Green sea turtle. Transect 1615 Playa Puerto Negro. No action taken.

05/13/2016 17:45:08

Hawksbill sea turtle. Transect 1608 Playa Punta Brigadier. No action taken.



11/03/2016 18:24:56

Green sea turtle. Transect 1432 Playa Matias. No action taken.

11/10/2016 16:12:01

Green sea turtle. Transect 1411 Playa Conejo. No action taken.

11/15/2016 14:58:35

Sea turtle. Transect 1392 Playa de la Chiva. No action taken.

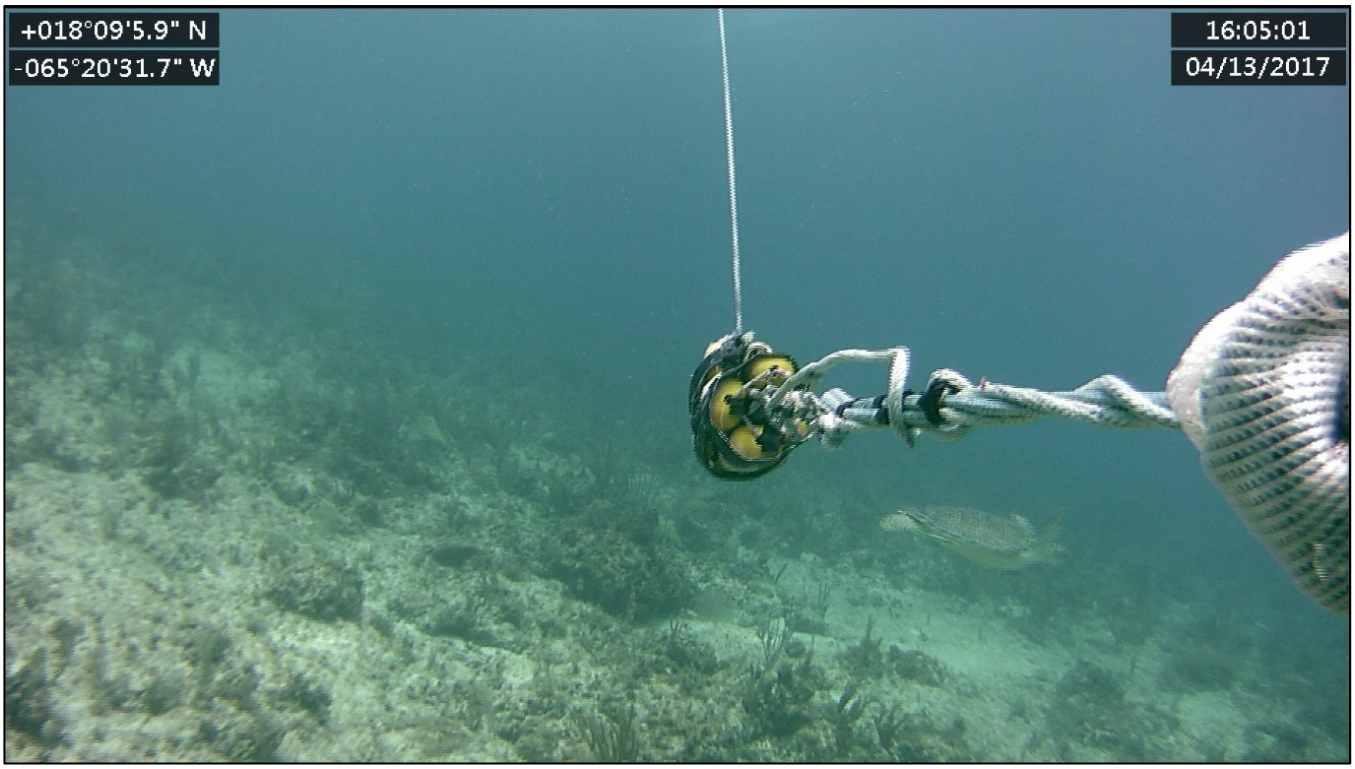
image not available

11/16/16 16:11:38

Sea turtle. Transect 1738 Playa Punta Salinas. No action taken.

12/04/2016 18:12:28

Green or Hawksbill sea turtle. Transect 1499 Southeast of Bahia Salina del Sur. No action taken.



04/13/2017 16:05:01

Hawksbill or Green sea turtle. Transect 1646 Playa Tres Puentes. No action taken.

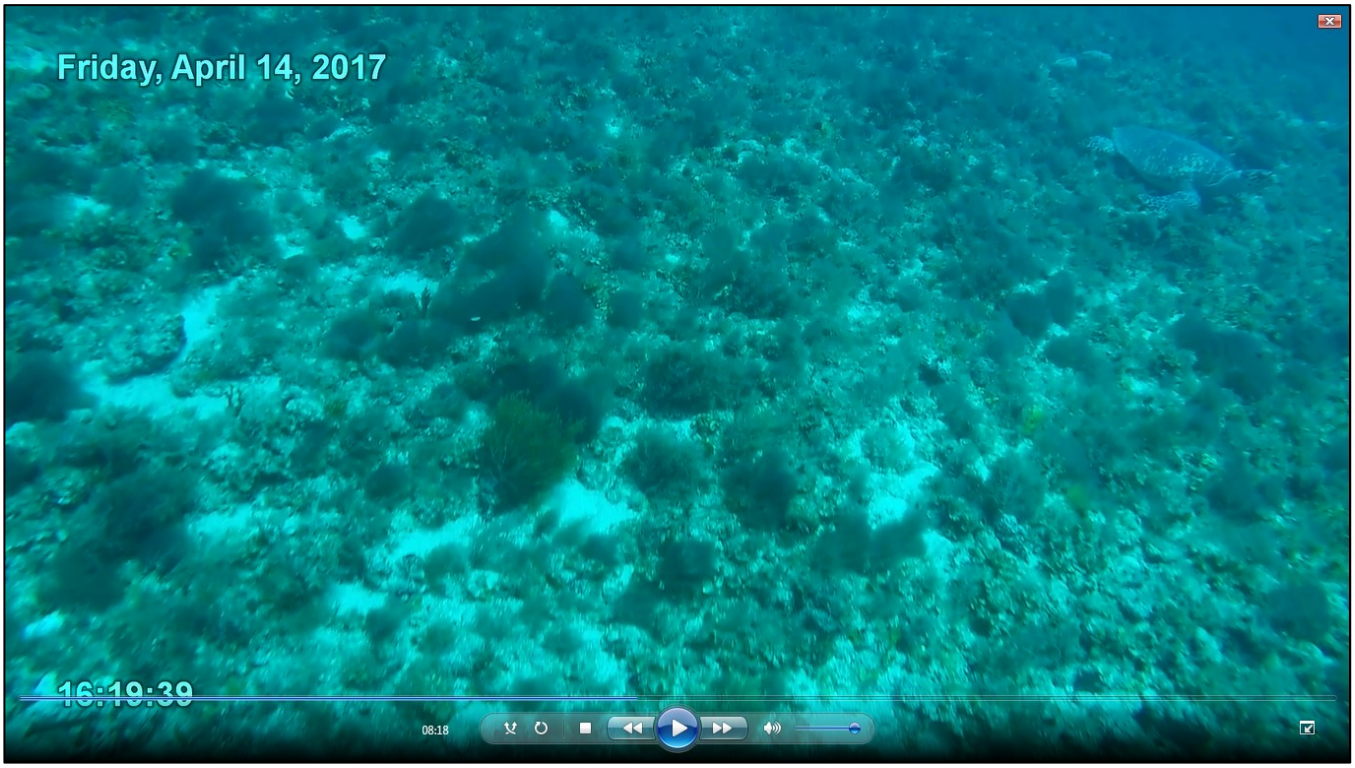
04/14/17 08:02

Two sea turtles sighted on surface at Bahia Icacos. No action taken.

image not available

04/14/2017 15:34

Sea turtle sighted at Bahia Icacos during end of day IVS run. No action taken.



04/14/2017 16:19:39

Hawksbill sea turtle. Transect 1710 North of Playa Punta Salinas. No action taken.

Appendix F
Responses to Regulator Comments

Responses to EPA Comments on the DRAFT UXO 16 Underwater Wide Area Assessment Report Dated February 2018

Atlantic Fleet Weapons Training Area – Vieques Former Naval Ammunition Support Detachment and Former Vieques Naval Training Range Vieques, Puerto Rico

Presented below are review comments on the Draft UXO 16 Underwater Wide Area Assessment Report, Atlantic Fleet Weapons Training Area—Vieques, and the Former Naval Ammunition Support Detachment and the Former Vieques Naval Training Range, Vieques, Puerto Rico, dated February 2018 (Draft UXO 16 UWAAR).

GENERAL COMMENTS

1. The Draft UXO 16 UWAAR noted in Section 2.0, Summary of Wide Area Assessment Field Activities, that the geophysical mapping presented was accomplished prior to September 20, 2017. As this is the landfall date of Hurricane Maria on the island, it would appear that the current locations and densities of anomalies identified by the geophysical mapping may not be reflected in the pre-September 2017 information and data that is provided in the Draft UXO 16 UWAAR. Additional work to evaluate the impact of the hurricane should be proposed, as standard anomaly reacquisition procedures are unlikely to be sufficient. Revise the Draft UXO 16 UWAAR to include an in-depth discussion of the current validity of the geophysical information and data, and the potential impacts of Hurricane Maria. Include a detailed discussion of the process used/that will be used to make this determination and recommend changes to the standard reacquisition procedures.

Navy Response: As discussed in the WAA Report, the WAA is the initial, broad evaluation of the nature and extent of potential munitions within UXO 16, providing preliminary data upon which to base follow-up, focused investigations as part of the continuing RI. In addition, as described in the report, the vast majority of anomalies are likely beneath the seafloor, as evinced by the visual observations made along every geophysical transect relative to the geophysical signatures. Further, the distribution and densities of geophysical anomalies identified during the WAA are generally consistent with what was anticipated based on the Conceptual Site Model, and this distribution has been subject to numerous major storms and hurricanes throughout the years of military training. Therefore, while it is certainly possible that individual, proud metallic items may have moved (horizontally or vertically), as a result of Hurricane Maria, it is unlikely that the distribution and density signature identified by the WAA has been altered in any observable manner. This information has been added to the WAA Report.

2. The distance over which interpolation can be done with reasonable certainty and the areas where interpolation is believed to apply are unclear. The bullet point discussing Transect omission/truncation in Section 2.3 states, "The missing transects in the northeast portion were all bounded by transects with low anomaly density results, which allowed for interpolation between these areas," however it is unclear if this also was intended to imply that interpolation is appropriate for missing transects in the southeast, where the distance between missing transects and completed transects exceeded 0.1 miles in some areas. Also, interpolation is not appropriate in the areas where transects were not completed due to funding constraints, because the distance between completed transects ranged up to a mile or more based on Figure 2-8. Interpolation over distances greater than the distance between three survey transects (i.e., 200 meters) should not be conducted because of the potential that significant anomalies were missed. However, based on Figure 3-1, it appears that the interpolation was done over all of the areas where surveys were not conducted due to funding constraints. This is problematic because of the distances involved and because anomalies and

potential munitions were observed along the transect completed along the outer boundary of this area as shown on Figure 3-2 and the Appendix A Attachment D EM Anomaly maps. Finally, it is unclear how the yellow (15 to 30 anomalies per acre) and orange (30 to 60 anomalies per acre) elevated anomaly density areas (EADAs) were estimated for areas in which there was no data. Revise the text to clarify where interpolation was applied and the distance over which interpolation can be done with reasonable certainty and limit the interpolation to that distance. Specifically, revise the interpretation of anomaly density on Section 3 figures to limit interpolation to no more than 200 meters or revise the text to explain in detail why interpolation over distances between 200 meters and 1 mile should be considered reasonable when the target EADA could be as small as 250 meters by 250 meters. In addition, revise the text to explain how the yellow and orange EADAs were generated for areas in which no survey data was collected.

Navy Response: Figure 3-1 has been modified to reflect limiting interpolation of the density results to 125 m from the nearest transects. The revision to the figure did not alter the shape or extent of any of the EADAs. The text discussing the gap due to transects not performed has been modified as follows:

"The transects not performed in the northeast portion were all bounded by transects with low anomaly density results, indicting it is unlikely there would be additional EADAs in this region. Because EADAs are typically found near the shore and extend out from the shoreline, it is reasonable to assume a very low likelihood that an isolated EADA exists within this gap in coverage."

3. It is unclear how much area is covered by each of the EM Anomaly maps in Attachment D of Appendix A, Digital Geophysical Mapping Survey Technical Report. The area covered by each map should be included on each map or in a separate table. Revise the Draft UXO 16 UWAAR to provide the area covered by each EM Anomaly map.

Navy Response: The boundaries for each panel of the overall site map are created for presentation and expediency, not to indicate the overall area covered by given transects; however, a scale is provided for reference in the legend and a summary of the UXO 16 acreage surveyed is provided in Section 3.1 and Section VI of Appendix A.

4. The Draft UXO 16 UWAAR does not include lessons learned or recommendations. Revise the Draft UXO 16 UWAAR to include lessons learned and recommendations.

Navy Response: Section 4.3 contains the recommendations for how the WAA data will/can be used. Regarding the primary technical lessons learned, the following was added as the last bullet of Section 4.2: "The primary technical lesson learned is that the smaller vessel size was beneficial for surveys within bays and shallower water depths; however, the vessel had challenges in open water where the waves were commonly 6-feet and higher; therefore, under similar conditions at Vieques or elsewhere, different vessel types should be considered."

SPECIFIC COMMENTS

1. Section 2.1.1, Magnetometer Array, Page 2-1 and Section 2.2, Survey Design, Page 2-2 and Appendix A, Digital Geophysical Mapping Survey Technical Report, Section III.C, Marine Magnetometer Array, Page 7: The first paragraph of Section 2.1.1 states that the configuration of five magnetometers spaced 1 meter apart provides a swath width of 6 meters, but the third paragraph of Section 2.2 indicates that the minimum swath width was 4 meters. Since five magnetometers spaced 1 meter apart cover only 4 meters, it appears that the swath width should be closer to 4 meters. Appendix A, Section III.C also states that the swath width was 6 meters. Resolve the swath width discrepancy and correct it as necessary where it is discussed in the Draft UXO 16 UWAAR.

Navy Response: The initial planning assumed a minimum detection swath width of 4 meters. The system as deployed had an array width of 4 meters, allowing for a detection swath width of 6 meters because the sensors are sensitive to objects laterally offset in both directions. At 100-m line spacing, a swath width of

6 meters results in 6% coverage of accessible regions. Due to the number of transects not surveyed, the coverage was reduced to 4.3%. The text has been modified as follows:

Text modified in Section 2.1:

"This configuration provides a swath width of 6 m along each transect, which were spaced approximately 100 m apart, resulting in 6% coverage of the surveyed areas of UXO 16 (overall 4.3 % of the total area due to survey limitations discussed in Section 2.3)."

A footnote has been added in section 2.2:

"[1]Although a minimum swath width of 4 m was used for planning purposes, the survey contractor used a system with a 6-m swath width"

2. **Section 2.4, Data Processing, Page 2-4; Section 2.4.1 Data Grid, Page 2-4; and Appendix A, Digital Geophysical Mapping Survey Technical Report, Section III.B, Positioning, Page 6:** The first paragraph in Section 2.4 states that the position errors associated with translating coordinates from the real time kinematic global positioning system (RTK GPS) on the vessel to the sensor measurement position via tow line length/angle encoder data and depth transducer measurements was estimated to be 4.5 meters, but Section 2.4.1 indicates that target of interest (TOI) location accuracy was less than 5 feet. These accuracy estimates vary by a factor of approximately 3. Further, Section III.B in Appendix A indicates the overall estimated error budget is 4.5 feet, which is inconsistent with the text in Section 2.4. Revise the text to clarify the TOI location accuracy along the surveyed transects and to resolve the discrepancies between Section 2.4, Section 2.4.1 and Appendix A, Section III.B.

   Navy Response: The discrepancy is due to the fact that the position errors were inadvertently reported with the wrong units (meters vs feet). The text has been corrected as follows:

   "The position errors using this method are estimated to be 4.5 feet (1.4 meters)."

3. **Section 3.1, Elevated Anomaly Density Areas, Page 3-1; Figure 2-8, Final Survey Transects – East; and Appendix A, Digital Geophysical Mapping Survey Technical Report, Section VI.A, Coverage Achieved, Page 17:** The text states that "334 survey kilometers (208 miles) were completed, providing effective coverage of 4.3% of UXO16," but it is unclear if this distance and effective coverage estimate include the transects north of the Eastern Maneuver Area (EMA), the Surface Impact Area (SIA), and the Live Impact Area (LIA) that were not completed. There is a similar statement in Section VI.A of Appendix A. At a minimum, because a number of transects were not completed as depicted on Figure 2-8, the effective percentage should be less than 4.3%, as this percentage coverage was based on completing all of the transects that were spaced 100 meters apart as stated in Section 2.1.1. Revise the text to state the actual distance that was surveyed and update the coverage percentage to delete the area covered by transects that were not completed due to funding issues.

   Navy Response: The reported survey kilometers completed and resulting coverage are reported accurately. Please see the response to Specific Comment #1.

4. **Section 3.3.5, Evaluation of Wide Area Assessment, Live Impact Area, Page 3-5, and Figure 3-5, Comparison of WAA Results with Terrestrial Total Items Identified – SIA/LIA/EMA:** The text does not discuss the potential that the purple shaded area in EADA 14 extends north of the UXO 16 boundary. Given the anomaly density in this area (i.e., it is shaded purple to the UXO 16 boundary, indicating 60 to 170 anomalies per acre), it appears likely that the EADA extends north of the UXO 16 boundary. Revise the text to acknowledge that the EADA 14 likely extends north of the UXO 16 boundary and to explain how this data gap will be addressed.

   Navy Response: The following has been added after the second sentence of the first paragraph under *Live Impact Area*: "It is noted that the anomaly densities in these areas may extend beyond the current UXO 16 boundary; future, focused studies will address this potential, if warranted."

5. **Section 3.3.5, Evaluation of Wide Area Assessment, Surface Impact Area, Page 3-6, and Figure 3-5, Comparison of WAA Results with Terrestrial Total Items Identified – SIA/LIA/EMA:** The text does not

discuss the potential that EADA 12 extends south or southwest of the UXO 16 boundary in the area where the purple shading indicating 60 to 170 anomalies per acre extends to the UXO 16 boundary. Since the number of anomalies has not decreased in this area, it appears likely that this EADA extends beyond the UXO 16 boundary. Revise the text to acknowledge that EADA 12 likely extends south or southwest of the UXO 16 boundary as the purple shaded area extends to the UXO 16 boundary and how this data gap will be addressed.

Navy Response: The following has been added after the second sentence of the first paragraph under *Surface Impact Area*: It is noted that the anomaly densities in this area may extend beyond the current UXO 16 boundary; future, focused studies will address this potential, if warranted.

6. **Section 3.3.5, Evaluation of Wide Area Assessment, Eastern maneuver Area, Page 3-6, and Figure 3-7, Comparison of WAA Results with Terrestrial Total Items Identified – EMA South:** The text discusses several beaches by name (Blue Beach, Silver Beach, Secret Beach) that are not identified on Figure 3-7. Blue Beach was used for military training and should be identified on the figure, but it would aid the reader if the other beaches were also identified on Figure 3-7. Revise Figure 3-7 to include labels for all beaches named in the text.

   Navy Response: The names of the beaches discussed in the WAA Report have been added to Figure 3-7, as well as the other applicable figures in Section 3.

7. **Appendix A, Digital Geophysical Mapping Survey Technical Report, Section V.C.1, Data Collection, Page 13; Section VI.A, Coverage Achieved, Page 17; Figure 6, Planned Transects versus achieved coverage for Eastern Survey Area; and Figure 2-8, Final Survey Transects – East:** The text in Appendix A states that 19 transects were omitted and 14 transects were shortened, but Figure 2-8 and Appendix A Figure 6 depict 28 omitted transects north of LIA/SIA/EMA, about 14 shortened transects, and at least 10 more omitted transects elsewhere. Revise the text to correct the number of omitted transects and clarify which transects were considered shortened.

   Navy Response: Appendix B provides a detailed list of the transect modifications. Appendix A has been modified to reflect that 47 originally-planned transects were omitted, 31 transects were shortened or lengthened, and 22 transects were added.

Responses to PREQB Comments on the Draft UXO 16 Underwater Wide Area Assessment Report

Atlantic Fleet Weapons Training Area – Vieques Former Naval Ammunitions Support Detachment and Former Vieques Naval Training Range Vieques, Puerto Rico

GENERAL COMMENTS

1. Northeast Portion of UXO 16: Section 2.3 (Survey Approach and Data Collection) notes that it was not possible to survey a number of transects within the northeast portion of UXO 16, but that this portion of UXO 16 was bound by transects with low anomaly density thereby allowing for interpolation between the bounding transects. Understanding the stated weather/sea conditions, equipment repairs, and funding issues that limited the Navy's ability to collected data in this area, and appreciating efforts to prioritize nearshore areas with greater accessibility, PREQB requests additional information regarding the Work Plan deviation and data interpolation be provided in the text.

   Specifically, the text relies largely via reference on Appendix C, which summarizes the kriging estimation approach, to described how anomaly densities throughout UXO 16 were derived; however, beyond noting that no estimates are generated for locations with insufficient data, the degree of confidence in the interpolation of the unsurveyed region is unclear. The anomaly density contours in portions of the unsurveyed area presented in Figure 3-1 are highly resolved, implying that the degree of uncertainty is low or comparable to areas with greater spatial resolution. However, the only available data is along the edges of the unsurveyed area while the central portion of this area is depicted as a data gap due to the lack of sufficient data to model. Modeling of the unsurveyed area also includes extrapolation of transect data within the northern portion of Elevated Anomaly Density Area (EADA) 14 into the northeastern portion of UXO 16. Please supplement the text with an evaluation of the uncertainty associated with the modeling of the northeastern portion of UXO 16 and, noting that westward migration of underwater munitions adjacent to the Live Impact Area (LIA) is a phenomenon cited in the report, the degree of confidence in the interpolated results given the available data set and understood data gaps in the estimated anomaly density model.

   Navy Response: Please see the response to EPA General Comment #2.

2. Please add the QC reports agreed to in the WAA Work Plan (WP) Section 3.9 and WAA WP Appendix D to the WAA Report as an appendix.

   Navy Response: QC Reports have been included as an Appendix in the WAA Report.

PAGE-SPECIFIC COMMENTS

1. Page 2-2, Section 2.3 – Survey Approach and Data Collection: Although stated in the text, PREQB suggests including a note on Figure 2-5 (Planned Survey Transects – West) indicating that Mosquito Pier and Offshore of SWMU 4 will be addressed separately and therefore were not included in the Wide Area Assessment (WAA).

   Navy Response: A note has been added to Figure 2-5 stating: "The areas around Mosquito Pier and adjacent to SWMU 4 are being addressed separately from the UXO 16 Wide Area Assessment."

2. Page 2-3, Section 2.3 – Survey Approach and Data Collection:

   a. Second Paragraph: This paragraph notes the ongoing historical records evaluation. During the discussion of the Inner Range at the recent Technical Subcommittee Meeting on January 31, 2018, an update on the records evaluation was provided that included two items of significance: 1) the outer portion of the Inner Range was primarily used as a ship maneuver area; however, two mine training areas were referenced with records indicating that the mines were inert and recovered, and 2) in addition to the USS Killen, the USS DeLong was sunk in the southeastern portion of the Inner Range in approximately 800-feet of water. It was PREQB's understanding that, based on an EPA request, this information would be summarized in the WAA Report. Please include this information in the revised document.

      Navy Response: As discussed during the Technical Subcommittee meeting, this information will be provided in the UXO 16 RI SAP, as it will be used to help develop the RI approach.

   b. Fourth Bullet – Altitude Deviations: The last sentence notes, "*variability in altitude caused by the occasional requirement to be above 2 m*…" with regard to the potential effect on data usability. Please define the term "occasional" consistent with the information presented in Appendix A of the WAA Report or remove the term from this sentence.

      Navy Response: "Occasional" has been removed from the sentence.

3. Section 2.3, Second Paragraph and Appendix A, Attachment C: The WAA WP Table 3-4 states that DGM Altitude will be maintained between 3.3 to 6.6 ft. It goes further to state 95% of measurement altitude above sea floor will be <2 meters. Section 2.3 of the WAA Report states the survey altitude was generally between 1 m and 2 m. When reviewing Appendix A (Attachment C), It appears there is a considerable amount of transects segments that exceeded the 2 meters MQO per the WP. Please add to Section 2.3 of the report the percentage of transects exceeding 2 meters and address the MQO failure if it exceeds 95%.

   Navy Response: The Measurement Performance Criteria (MPC) identified in the work plan stated: "*The geophysical data will be collected with survey altitude between 3 feet and 6 feet above the seafloor. Exceptions required to maintain safety of survey equipment, crew and benthic environment are acceptable.*" While the actual MQO did not have this qualifying language, the evaluation of the MQO was performed consistent with the MPC (i.e. exceptions required to maintain safety of survey equipment, crew and benthic environment were excluded in the final evaluation of the MQO).

   Text in section 2.4.1 has been modified as follows:

   "Additionally, there were sections of transects where the bottom conditions forced the survey altitude to be higher than the original plan of 2.0 m (6.6 feet). These sections comprised 17% of the collected data, but because this was done to maintain the safety of the equipment crew and benthic environment, these data were excluded from the final evaluation of the MQO for survey altitude. The fact that that these sections of data are not highly correlated with the anomaly density results, indicates the survey objectives were not adversely impacted by these deviations."

4. Page 2-4, Section 2.4 – Data Processing, First Paragraph, Last Sentence: This sentence notes an estimated position error of approximately 4.5 m; however, Section 2.1.2 (Page 2-2) notes a combined measurement error of approximately 4.5 feet. Assuming these sections of the text reference the same approximate position error, please correct the noted units (assumed to be "feet" and therefore within the measurement quality objections) as appropriate.

   Navy Response: The referenced text has been modified from 4.5 m to 4.5 feet.

5. Page 3-5, Section 3.3.5 – Evaluation of Wide Area Assessment Results, Live Impact Area, First Paragraph, Second Sentence: The report acknowledges that high densities of anomalies and individual potential munitions extend to portions of the northern and southern boundaries of EADAs 13 and 14. Please discuss the significance of this observation with respect to presenting a data gap that may require additional investigation during further evaluation of UXO 16.

Navy Response: Please see the response to EPA Specific Comment #4.

6. Page 3-6, Section 3.3.5 – Evaluation of Wide Area Assessment Results, Surface Impact Area, First Paragraph, Second Sentence: Similar to the preceding comment concerning the LIA, high densities of anomalies extend to the southwestern boundary of EADA 12 located south of the SIA. Please discuss the significance of this observation with respect to presenting a data gap that may require additional investigation during the further evaluation of UXO 16 given the westward migration of underwater munitions noted in the report.

   Navy Response: Please see the response to EPA Specific Comment #5.

7. Page 3-6, Section 3.3.5- Easter Maneuver Area, Second Paragraph, First Sentence: Change "is was" to "it was"

   Navy Response: Comment incorporated.

8. Table 3-1, Column "Potential Munitions Observed on Video": a significant portion of the EADAs that present "there are no munitions observed on video" or "a small number of munitions observed on video" seem to coincide with large areas of unconsolidated sediment. This may indicate that the DGM anomalies are buried below the unconsolidated sediment and can't be seen by the camera. All of the data presented in the table is useful but a note should be added to the column indicating there isn't a relationship between the density of DGM anomalies and observed/video of munitions due to the potential for the munitions to be buried in unconsolidated sediment areas.

   Navy Response: A note has been added to Table 3-1 stating "The absence of potential munitions on the survey video is not indicative of the density of DGM anomalies, as the data collected and observations made during the WAA indicate most items represented by geophysical anomalies are buried in unconsolidated sediment."

9. Page 4-2, Section 4.3: First Bullet: Recommend including another bullet or add to the first bullet a discussion that the current data gaps in which the WAA did not resolve will be addressed in the Master QAPP (e.g. shoreline acres, areas to shallow for DGM, areas not selected for WAA or NTCRA such as the water acres immediately south of Cayo la Chiva).

   Navy Response: The following has been added to the end of the first bullet of Section 4.3: "As warranted, areas where the WAA vessel could not/did not reach and areas outside the current UXO 16 boundary where the WAA data suggest additional site-related anomalies may exist will be addressed as part of future studies."

10. Appendix A: Page 3, Task 3: Please rephrase the last sentence.

    Navy Response: The last sentence in this paragraph has been modified as follows: "Data collection deliverables were produced following the processing for each respective data package throughout the project duration."

Response to USFWS Comment on the Draft UXO 16 Wide Area Assessment Report

Atlantic Fleet Weapons Training Area – Vieques Former Naval Ammunition Support Detachment and Former Vieques Naval Training Range Vieques, Puerto Rico

The Fish and Wildlife Service provided comments on the Draft UXO-16 Wide Area Assessment Work Plan on December 11, 2014. Service comments included the use of certified observers in order to detect manatees that may be in the path of the vessel and the towed array and that all manatee and sea turtle sightings should be GPS recorded and the information provided as part of a final project report.

The Navy's reply to the December 11, 2014, comments stated that SOPs for the Protection of Federally Listed Species and Habitats had been added to the Final Work Plan.

Appendix E of the Final Work Plan stated:

"All sightings of the above federally listed sea turtle and marine mammal species will be documented in a log to be provided to the Navy, National Marine Fisheries Service (NMFS), US Fish and Wildlife Service (USFWS), and Puerto Rico Department of Natural and Environmental Resources (DNER) at the end of the project.

The following information shall be collected and recorded: - Sighted species - Date and time of sighting - GPS coordinates of sighting location - One or more photographs if possible - Any action taken to minimize potential impacts to species (see below)"

The 2018 WAA report does not include a section referencing appendix E or any information regarding visual sightings of marine species. Section 4.3 of the report makes reference to using video footage for a future Biological Assessment, however, the sightings made by observers and the information collected on species, numbers and location should be included in this report as per the approved work plan.

The preparation of any future Biological Assessment for underwater work at Vieques should include considerations of the manatee.

Navy Response: An appendix has been added to the WAA Report that provides the aforementioned information (to the extent possible) for all sea turtle sightings. No marine mammals were observed during the WAA. Manatees are included in the UXO 16 Programmatic Biological Assessment currently under development.