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ENVIRONMENTAL BASELINE SURVEY ELECTRICAL UTILITY SYSTEM PRIVATIZATION

NAS PENSACOLA FL

06/01/2004

NAVFAC SOUTHERN

Environmental Baseline Survey
Electrical Utility Systems Privatization
Naval Air Station Pensacola
Pensacola, Florida

June 2004

Prepared for:

Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina

LIST OF ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material
asl	above sea level
AST	aboveground storage tank
ASTM	American Society of Testing and Materials
bgs	below ground surface
BTEX	benzene, toluene, ethylbezene, xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	chemical of concern
DDT	Dichlorodiphenyltrichloroethane
DEL	direct exposure limits
DoD	Department of Defense
DoN	Department of the Navy
EBS	Environmental Baseline Survey
EBSR	Environmental Baseline Survey Report
ECM	Electrical Commodity Manager
EPA	Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
FNAI	Florida Natural Area Inventory
GCTL	Groundwater Cleanup Target Levels
HAZMART	Hazardous Material Issue/Control Facility
HRS	Hazardous Ranking System
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resources Management Plan
IR	Installation Restoration
IWTP	Industrial Wastewater Treatment Plant
LBP	lead-based paint
mgd	million gallons per day
msl	mean sea level
NAAS	Naval Auxiliary Air Station
NADSC	Natural Attenuation Default Source Concentration
NAS	Naval Air Station
NAVFACENGCOM	Naval Facilities Engineering Command

NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NFA	No Further Action
NHL	National Historic Landmark
NOV	Notice of Violation
NPL	National Priority List
NRHP	National Registry of Historic Places
NTTC	Naval Technical Training Center
OWS	oil/water separator
PAC	Potential Area of Concern
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
ppm	parts per million
PRI	Project Resources Inc.
PWC	Public Works Center
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
TCE	trichloroethylene
ROD	Record of Decision
SAR	Site Assessment Report
SOW	Statement of Work
SWMU	Solid Waste Management Unit
REC	recognized environmental condition
TDP	Technical Data Package
TPH	total petroleum hydrocarbons
TRPH	total recoverable petroleum hydrocarbons
TSDF	Treatment Storage Disposal Facility
UST	underground storage tank
VOC	volatile organic compound

EXECUTIVE SUMMARY

Project Resources Inc. (PRI) conducted a site visit as part of an Environmental Baseline Survey (EBS) of the electrical utility systems at the Naval Air Station (NAS) Pensacola and the outlying fields at Naval Technical Training Center (NTTC) Corry Station and Saufley Field in Escambia County, Florida. (See Regional Location Map, Figure 1-1.) NAS Pensacola is located on a peninsula, approximately six miles southwest of the city of Pensacola. The peninsula is bounded to the north by Bayou Grande, to the east by Pensacola Bay, and to the south by the Gulf of Mexico. NAS Pensacola is comprised of approximately 7,288 acres. (This acreage includes the outlying fields at NTTC Corry Station and Saufley Field: 610 and 878 acres, respectively.)

The Department of the Navy (DoN) is privatizing the electrical utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufley Field. (See Electrical Utility Distribution and IR Site Location Maps, Figures A-1 through A-12, Appendix A.) *It should be noted that the location of the electrical utilities within Figures A-1 through A-12 is not completely current. The information provided to PRI with regard to the location of the electrical system is in the process of being updated, and not yet available.*

The DoN will issue the private entity an easement to gain access to the subject property. The Department of Defense (DoD) policy requires an EBS before any property can be sold, leased, transferred, or acquired. This Environmental Baseline Survey Report (EBSR) meets that requirement specifically for the subject property and its associated realty, and generally for NAS Pensacola, NTTC Corry Station, and Saufly Field as a whole. The subject property consists of all components of the electrical utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufly Field. The associated realty includes the 100-foot wide corridor centered on the electrical utility lines. If multiple utility lines exist, lines approximately 50 feet on either side of the outer most utility line define the associated realty. NAS Pensacola, NTTC Corry Station, and Saufly Field, which are owned by the DoN, completely encompasses the limits of the subject property and its associated realty. The environmental condition of the subject property and its associated realty were assessed during this EBS.

In some cases, it may be difficult to distinguish whether only the subject property or the associated realty (or both) impact the identified recognized environmental conditions (RECs). For example, the associated realty may have been observed to encroach upon a REC (e.g., wetlands); however, only portions of the electrical lines were observed to be within a REC. In these instances, both the subject property and the associated realty will be identified as impacting or being impacted by a REC.

A visit to the subject property was conducted in May 2004. Representative photographs taken during the site visit are presented in Appendix B.

The following RECs were observed during this EBS:

Wetlands
Based on a review of the Integrated Natural Resources Management Plan (INRMP), 99 wetland areas, comprising approximately 650-acres were reportedly identified at NAS Pensacola during a 1997 wetland delineation study. The major wetland areas were identified along the southern and western edges of NAS Pensacola. In comparing the wetlands map in the INRMP to the subject property boundaries, it appears that portions of the subject property and associated realty encroach into wetland areas.

Endangered/Threatened Species
A review of the INRMP indicates that, "at least 15 rare plant species, 21 rare vertebrate species and 12 natural communities occur at NAS Pensacola and Saufley Field." The Florida Natural Areas Inventory (FNAI) performed a rare plant, rare vertebrate and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTC Corry Station due to the extensive development of this property.

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally listed plant and vertebrate species occur within the associated realty at NAS Pensacola and Saufley Field.

Cultural Resources
Based on a review of the NAS Pensacola Integrated Cultural Resources Management Plan (ICRMP) dated October 2002, it appears that NAS Pensacola contains one historic district that is considered a National Historic Landmark (NHL). According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the associated realty.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the associated realty.

NTTC Corry Station and Saufley Field also have historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in the 800 series. In comparing the building numbers reported to the electrical utility distribution map, the historic districts at NTTC Corry Station and Saufley Field appear to be within the associated realty.

Archeological Resources
Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTC Corry Station or Saufley Field. An archeological resources map was not readily available to PRI.

However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the associated realty.

Petroleum Contamination

PRI's review of the available environmental records indicates that the following petroleum contamination sites were identified within the associated realty at NAS Pensacola, NTTC Corry Station and Saufley Field:

NAS Pensacola

Underground Storage Tank, Site 14
Underground Storage Tank, Site 17
Underground Storage Tank, Site 19 and 20
Allegheny Pier (Pier 303), Site 20
Underground Storage Tank, Site 21
Underground Storage Tank, Site 000024 (Sherman Field Former Fuel Farm)
Underground Storage Tank, Site 000025 (Building 1932 "Touch-N-Go" Service Station)

NTTC Corry Station

Area 1, Suspected Landfill
Area 2, Aircraft Refueling System
Area 3, Free Product Area

Saufley Field

Underground Storage Tank, Site 2406

Based on PRI's review of the available environmental records, it appears that the abovementioned petroleum contaminated sites are within the associated realty. In addition, no information was available that documented the remediation and/or closure of the petroleum contaminated sites. Because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

Environmental Restoration

Thirty-nine Installation Restoration (IR) sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites received "No Further Action" (NFA) letters from the Florida Department of Environmental Protection (FDEP). The remaining 23 active IR sites appear to be located within the associated realty. It should be noted that no IR sites (active or closed) are located at NTTC Corry Station or Saufley Field.

Based on PRI's review of available documentation, it is unclear if the IR sites have had a significant adverse impact on the environmental integrity of the subject property or the associated realty. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

Polychlorinated Biphenyl Compliance

According to NAS Pensacola Public Works staff, a base-wide program to identify polychlorinated biphenyl (PCB) containing transformers and oil switches was completed in the mid 1990s. Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department.

Additionally, the NAS Pensacola Electrical Commodity Manager (ECM) stated that a single electrical transformer at substation 98 (located adjacent to Building 1857) contains PCB-insulating fluid. At the time of PRI's site visit, the transformer appeared to be in good condition with no evidence of leaks.

At the time of PRI's site visit, several leaking transformers were stored in the "pole yard" (IR Site 17) located at NAS Pensacola. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the contents of the leaking transformers were unknown and could not be determined without proper testing. A review of the electrical utility distribution map indicates that the "pole yard" is located within the boundaries of the subject property and associated realty.

For a detailed discussion regarding PCBs at the subject property, refer to Section 5.6 (Polychlorinated Biphenyl Compliance).

Asbestos-Containing Material

Based on a conversation with the NAS Pensacola ECM, it appears that some of the underground electrical utility lines at NAS Pensacola and the two outlying fields (NTTC Corry Station, and Saufley Field) are encased in fireproof insulation wrap. Based on the date of installation (circa 1950 to 1985), it appears likely that the electrical fireproof insulation wrap contains asbestos. An asbestos survey report was not provided to PRI that addressed the electrical fireproof insulation wrap. Based on interviews with NAS Pensacola personnel, it appears likely that asbestos-containing material (ACM) will be an environmental concern at the subject property.

Lead-Based Paint

Due to the construction date of the electrical substation buildings (prior to 1979), it is possible for lead-based paint (LBP) to be present on interior and exterior surfaces. At the time of PRI's site visit, the paint on the door frame of Substation B, at NAS Pensacola, appeared to be cracked and peeling. Based on interviews and review of available environmental records, it appears that no LBP surveys have been performed for the subject property. Based on review of the available environmental records and PRI's observations during the site visit, it appears likely that LBP is present within the subject property.

The findings presented in this EBS are relative to the dates of PRI's survey in 2004, and should not be relied upon to represent conditions at substantially later dates. See Section 8.0 for further limitations.

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1.0 INTRODUCTION

1.1 Introduction and Background

Project Resources Inc. (PRI) conducted a site visit as part of an Environmental Baseline Survey (EBS) of the electrical utility systems at the Naval Air Station (NAS) Pensacola and the outlying fields at Naval Technical Training Center (NTTC) Corry Station and Saufley Field in Escambia County, Florida. (See Regional Location Map, Figure 1-1.) NAS Pensacola is located on a peninsula, approximately six miles southwest of the city of Pensacola. NTTC Corry Station is located five miles west of downtown Pensacola and two miles north of NAS Pensacola. Saufley Field is located between Highway 10 and Perdido Bay, approximately five miles northwest of downtown Pensacola

The Department of the Navy (DoN) is privatizing the electrical utility systems and their associated components at NAS Pensacola, NTTC Corry Station, and Saufley Field. (See Electrical Utility Distribution and IR Site Location Maps, Figures A-1 through A-12, Appendix A.) *It should be noted that the location of the electrical utilities within Figures A-1 through A-12 is not completely current. The information provided to PRI with regard to the location of the electrical system is in the process of being updated, and not yet available.*

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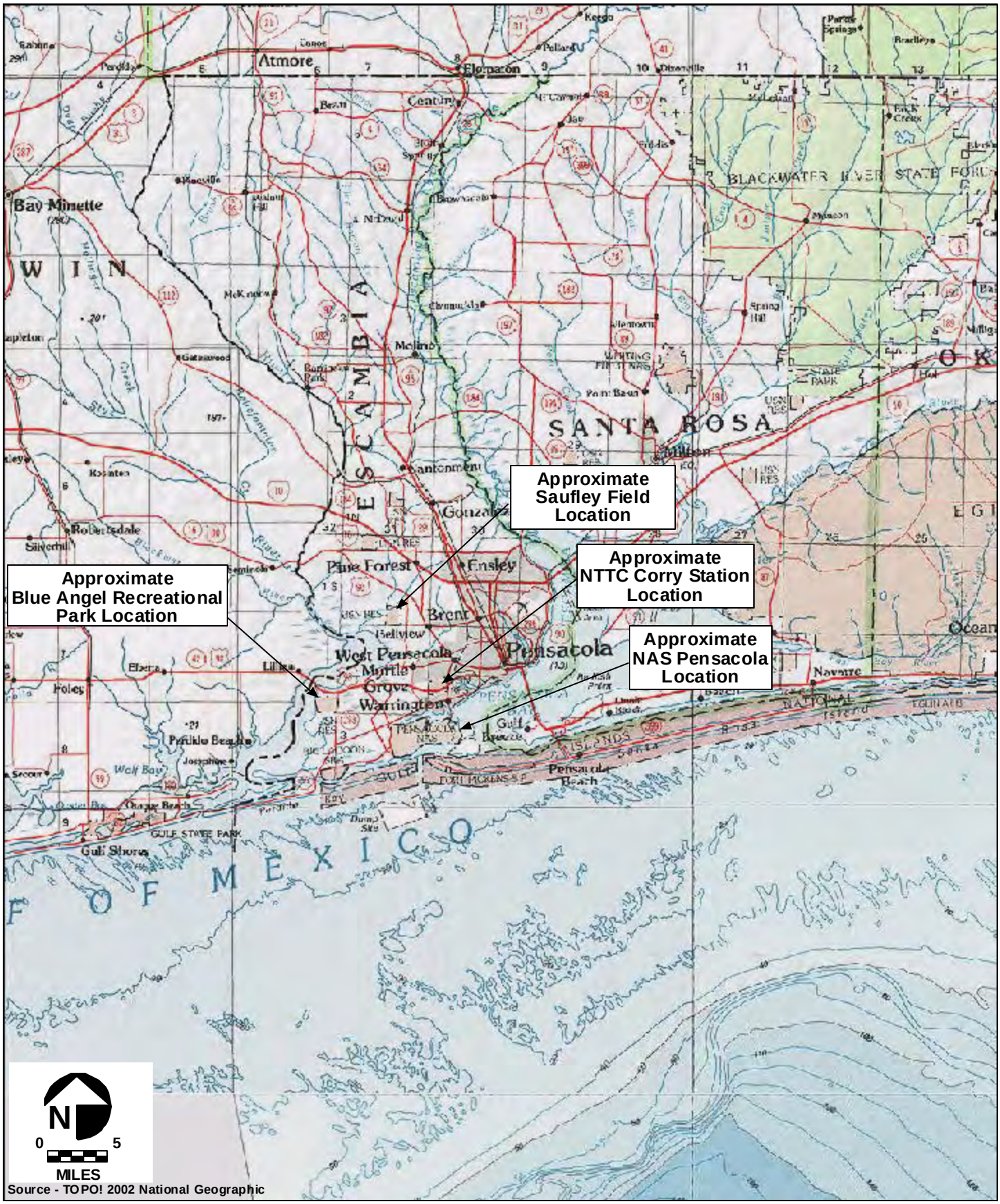


Project Resources Inc

Regional Location Map
Naval Air Station Pensacola
Pensacola, Florida

FIGURE

1-1

Readily available sources of information were obtained and reviewed during the EBS. A site visit was conducted by PRI in May 2004, and representative photographs are included as Appendix B.

1.2 Organization of EBSR

The organization of this EBSR follows the format for a base-wide EBS prescribed by the Naval Facilities Engineering Command Environmental Baseline Survey Guidance, March 1995. PRI has performed this EBS and prepared this EBSR following the Scope of Work (SOW) – Utility Privatization Naval Air Station, Pensacola, Florida, dated March 2004. Guidelines were followed from the American Society of Testing and Materials (ASTM D 6008-96).

1.3 Parcel Identification and Boundaries

NAS Pensacola

NAS Pensacola occupies approximately 5,800 acres of land on a peninsula approximately six miles southwest of downtown Pensacola on Navy Boulevard. NAS Pensacola is bordered to the north by Bayou Grande, to the east by Pensacola Bay and to the south by Big Lagoon and Pensacola Bay.

NAS Pensacola has been a Naval Industrial Operations Center since the early 1800s. It was a Navy shipyard from 1826 to 1911, and then converted to an air station. Known as the “Cradle of Naval Aviation,” the air station serves as the launching point for the flight training of every Naval Aviator, Naval Flight Officer, and enlisted air crewman.

NTTC Corry Station

NTTC Corry Station occupies approximately 610 acres of land, with NTTC occupying the largest portion (432 acres). NTTC shares the base with the Naval Hospital (43 acres), Family Housing (88 acres) and the Navy Shopping Mall (47 acres). The main gate to NTTC Corry Station is accessible from New Warrington Road, which is a major roadway running north and south, approximately one quarter mile to the east of NTTC’s eastern boundary. The southern boundary of NTTC Corry Station is defined by U.S. Highway 98.

During World War II and the Korean conflict, NTTC Corry Station operated as a training base for Naval aviators. In 1958, NTTC Corry Station was decommissioned as an auxiliary airfield. Presently, NTTC Corry Station is no longer used for aircraft operations, with the exception of the Naval hospital helicopter. The current mission of NTTC Corry is to train officers and enlisted personnel of the DoN, and personnel of other services and agencies in cryptology, information operations, electronic warfare, instructor training, optics, instrumentation, and information systems.

Saufley Field

Saufley Field occupies approximately 878 acres of land between Highway 10 and Perdido Bay, approximately 5 miles northwest of downtown Pensacola. Saufley Field consists of four airstrips, two of which are active and used by NAS Whiting Field pilots

for touch and go landing exercises. Saufley Field is now used primarily to train and educate Naval personnel, and house federal prisoners.

Subject Property

The subject property, which is bounded by a 100-foot corridor centered on the electrical utility lines, is located within NAS Pensacola, NTTC Corry Station and Saufley Field. (See Appendix A-1 and A-12.) If multiple utility lines were within the subject property, the subject property boundaries were defined by lines +/- 50 feet on either side of the outer most utility line. The electrical utility system at NAS Pensacola is comprised of approximately 100 miles of overhead and underground utility lines, 298 sub-stations, 56 switch stations, and 83 primary transformers. The electrical utility system at NTTC Corry Station is comprised of approximately 46 miles of overhead and underground utility lines, 81 sub-stations, 15 switch stations, and 8 primary transformers. The electrical utility system at Saufley Field is comprised of approximately 29 miles of overhead and underground utility lines, 38 sub-stations, 6 switch stations, and 1 primary transformer. Other structures found within the subject property were not investigated nor included in the scope of work for this EBSR.

2.0 SURVEY METHODOLGY

2.1 Approach and Rationale

This EBS employed a variety of methods to obtain the necessary information to assess the environmental condition of the subject property. This includes the following:

1. Search and review of available information and records in the possession of the Navy, and records made available by the regulatory agencies or other involved federal agencies.
2. Review of reasonably obtainable federal, state, and local government records of each adjacent facility where there has been a release or likely release of any hazardous substance or petroleum product or its derivatives, and which is likely to cause or contribute to a release or threatened release of any hazardous substance or petroleum product or its derivative on the subject property.
3. Interviews with current occupants of the property.
4. Visual assessment of the subject property, and of properties immediately adjacent to the subject property, noting sewer lines, runoff patterns, evidence of environmental impact (e.g., stained soil, stressed vegetation, or dead or ill wildlife), and other observations, which indicate actual or potential release of hazardous substances or petroleum products.
5. Review of ongoing response actions that have been taken at the subject property or adjacent properties (either those properties contiguous to the boundaries of the parcel being surveyed or other nearby properties).

2.2 Related Reports

The following is a listing of the documents that have been reviewed for this EBS:

Department of Navy Public Works Center, 1997a. *Asbestos Activity Summary,* Naval Air Station Pensacola, Pensacola, Florida. October 1997.

Department of Navy Public Works Center, 1997b. *Lead Activity Summary,* Naval Air Station Pensacola, Pensacola, Florida. October 1997.

EnSafe Inc., 1998. *Final Record of Decision, Operable Unit 17, Site 42-Pensacola Bay,* Naval Air Station Pensacola, Florida. May 1998.

EnSafe Inc., 2000. *Final Remedial Investigation Report Site 41, NAS Pensacola Wetlands,* Naval Air Station Pensacola, Florida. August 2000.

EnSafe Inc., 2003. *Final Remedial Investigation Report Addendum 1, Site 40-Bayou Grande,* Naval Air Station Pensacola, Florida. August 2003.

HHM Inc., 2002 *Integrated Cultural Resources Management Plan,* Naval Air Station Pensacola, Escambia County, Florida. October 2002.

NAS Pensacola Environmental Office, 2002a. *Oil Spill Prevention Control & Countermeasures Plan,* Naval Air Station Pensacola, Pensacola, Florida. February 2002.

NAS Pensacola Environmental Office, 2002b. *Integrated Natural Resources Management Plan,* Naval Air Station Pensacola, Pensacola, Florida. March 2002.

Southern Division Naval Facilities Engineering Command, 2002. *2003 Site Management Plan of the Installation Restoration Program for the Naval Air Station Pensacola,* Pensacola, Florida. September 2002.

Southern Division Naval Facilities Engineering Command, 2003. *Site Assessment Report Addendum for Underground Storage Tank Site 2406, Outlying Landing Field Saufley,* Naval Air Station Pensacola, Pensacola, Florida. August 2003.

Tetra Tech NUS, Inc., 2002. *Draft Remedial Action Plan for Building 1932, Navy Exchange "Touch-N-Go" Service Station, UST Site 000025,* Naval Air Station Pensacola, Pensacola, Florida. March 2002.

Tetra Tech NUS, Inc., 2004. *Site Characterization Report (Site 43),* Naval Air Station Pensacola, Florida. January 2004.

3.0 PAST AND CURRENT USE

3.1 Subject Property

A 100-foot corridor centered on the electrical utility lines at NAS Pensacola, NTTC Corry Station and Saufley Field bounds the subject property, and defines the associated realty. If multiple utility lines exist, lines approximately 50 feet on either side of the outer most utility line define the associated realty.

The electrical distribution system at NAS Pensacola is comprised of approximately 100 miles of overhead and underground utility lines, 298 sub-stations, 56 switch stations, and 83 primary transformers. The electrical distribution system at NTTC Corry Station is comprised of approximately 46 miles of overhead and underground utility lines, 81 sub-stations, 15 switch stations, and 8 primary transformers. The electrical distribution system at Saufley Field is comprised of approximately 29 miles of overhead and underground utility lines, 38 sub-stations, 6 switch stations, and 1 primary transformer. The subject property includes all components of the electrical distribution system.

A review of the NAS Pensacola Technical Data Package (TDP) indicates that the electrical distribution system was originally installed in the 1950s; however, most of the system has been upgraded or replaced in the past 15 years. The overhead electrical distribution system averages approximately 25 years in age. The underground electrical distribution system averages approximately 20 years in age. It is reported within the Technical Data Package that 10% of the electrical equipment is over 40 years old.

3.2 Adjacent Property

NAS Pensacola

The land surrounding the subject property is currently occupied by NAS Pensacola. The Navy's presence was first established at the site of NAS Pensacola in 1825, when President John Quincy Adams and Secretary of the Navy, Samuel Southard, arranged to build a Navy Yard on the southern tip of Escambia County. Construction of the Pensacola Navy Yard began in 1826, and grew to be one of the best-equipped naval stations in the country. The Pensacola Navy Yard was decommissioned in 1911. However, in 1914, the first U.S. Naval Air Station was established on the abandoned Pensacola Navy Yard site, and has become the primary Installation providing aviation training to the DoN. The primary mission of NAS Pensacola is to provide support to naval air training, tenants, and other customers through continuous improvement in quality of life, workforce, environment, and public image.

NAS Pensacola is surrounded by sensitive wetlands and marine ecosystems on the north (Bayou Grande), east and south (Pensacola Bay). West of NAS Pensacola are small towns and rural populations.

NTTC Corry Station

The land surrounding the subject property is currently occupied by NTTC Corry Station. NTTC Corry Station was commissioned in 1928 as an outlying landing field for NAS Pensacola. Corry Station has four primary functions: NTTC, the Naval Hospital, the Navy Shopping Mall, and Corry Family Housing. The primary mission of NTTC Corry Station is to administer those schools assigned by the Chief of Naval Education and Training to train officers and enlisted personnel of the Navy and personnel of other services and agencies in cryptology, information operations, electronic warfare, photography, and optical and instrument repair.

The area surrounding NTTC Corry Station is predominately residential, retail, and vacant woodlands. Pensacola Junior College is located south and adjacent to NTTC Corry Station, across U.S. Highway 98.

Saufley Field

The land surrounding the subject property is currently occupied by Saufley Field. Saufley Field occupies approximately 878 acres of land, most of which is covered by four airstrips and wooded areas. The airfield opened in 1940 as Naval Auxiliary Air Station (NAAS) Saufley. NAAS Saufley was used to train U.S. and allied pilots during World War II and the Korean conflict. Saufley Field is now used to train and educate Naval personnel, and to house federal prisoners.

The area immediately surrounding Saufley Field is characterized by sparsely populated residential structures. Eight Mile Creek, and Eleven Mile Creek are located along Saufley Field's northern boundary.

4.0 ENVIRONMENTAL SETTING

4.1 Location

The subject property is located within NAS Pensacola, NTTC Corry Station and Saufley Field. NAS Pensacola is located in northwest Florida on the western side of Pensacola Bay, approximately six miles southwest of downtown Pensacola. NAS Pensacola's main gate is accessible via the Sam Lovelace Bridge on Navy Boulevard.

NTTC Corry Station is located in the westernmost part of the Florida Panhandle, and lies five miles west of downtown Pensacola. NTTC Corry Station's main gate is accessible from New Warrington Road. U.S. Highway 98 is NTTC Corry Station's southern boundary.

Saufley Field is located in northwest Florida, between Highway 10 and Perdido Bay. Saufley Field's main gate is accessible via Saufley Field Road, west of Highway 173.

4.2 Physiography

NAS Pensacola is located in the Gulf Coast Lowlands physiographic region, on a peninsula bounded by Bayou Grande to the north and Pensacola Bay to the south and east. The main topographic feature is a bluff paralleling the southern and eastern shorelines of the peninsula. Landward of the bluff is a gently rolling upland with elevations up to 40 feet above mean sea level (msl). In the eastern part of the base, a low and nearly level marine terrace lies east of the bluff with elevations of approximately 5 feet or less above msl, comprising the area of Chevalier Field and Magazine Point (Ensafe/Allen & Hoshall, 1996).

Surface Waters

Sandy soils typify the NAS Pensacola area. Consequently, most rainfall infiltrates directly into the subsurface, resulting in few natural streams. Streams on base are generally man-made and channelized. Numerous natural wetlands occur in low-lying areas. At NTTC Corry Station, no streams or ponds exist except for a small, unnamed drainage channel that flows east along the northeastern portion of the station. Elevenmile and Eightmile Creeks flow southwest through the northwest portion of the Saufley Field property (Ensafe/Allen & Hoshall, 1996).

Drainage

The NAS Pensacola, NTTC Corry Station and Saufley Field are located within the Perdido-Escambia River Basin, which drains directly into the Pensacola Bay and Perdido Bay systems. The Escambia River, the largest stream in the area, flows southward from Alabama. It divides Escambia County from Santa Rosa County and empties into Escambia Bay, which becomes Pensacola Bay to the south. The Perdido River flows into Perdido Bay, which empties into various, relatively small inland bays

and bayous, and ultimately the Gulf of Mexico. Perdido Bay is connected to the Pensacola Bay system via the Intracoastal Waterway and Big Lagoon.

4.3 Geology

Geological Formations

The surface geology at NAS Pensacola, NTTC Corry Station and Saufley Field is characterized by the following three types of sediments: limestones, organics, and clastics (silt, clay, sand, gravel). The Pensacola region is underlain, in descending order, by the Sand and Gravel Aquifer, the Intermediate System (a regional confining unit), and the Floridan Aquifer. The Gulf Coastal Lowlands are characterized by nearly level, poorly drained land extending about 12 miles inland from the coast. Ground elevations in the Pensacola region range from sea level to over 50 feet above msl.

Soils

The principal soils at NAS Pensacola are strongly acidic, well to somewhat excessively drained, and sandy textured. The sand or loamy sand surface is 30 to 42 inches thick and underlain by sandy loam to sandy clay substrata.

Surface soils in the NTTC Corry Station area are classified with the Arents, Hurricane, Lakeland, Pickney, Robertsdale, and Urban Land associations. The Arent association consists of sand deposited by wave action along the coast. Drainage is classified as excessive. Surface soils in the Hurricane Sand association vary from dark gray to very dark grayish-brown in color, and from 3 to 6 inches in thickess. Drainage is classified as somewhat poor. The Lakeland association surface soils range from dark grayish-brown to yellowish-brown in color, and from 2 to 4 inches in thickness. Drainage is classified as somewhat excessive. Soils in the Pickney association were formed under poor drainage from thick beds of acidic sandy materials. The surface soils contain copious amounts of organic material. Drainage is classified as poor. Soils in the Robertsdale association vary from very dark gray to grayish-brown in color, and from 4 to 6 inches in thickness. Drainage is classified as good. Urban Land soils consist of regions that have been paved. Drainage is poor and runoff potential excessive. Permeability is generally less than five inches per hour (Naval Energy and Environmental Support Activity, 1992).

Soils at Saufley Field range from well-drained sandy and loamy soils, in the vicinity of the field and northeast of the field, to poorly drained sandy and muck soils on the south, southwest, and northwest sides of the field.

4.4 Hydrogeology

NAS Pensacola, NTTC Corry Station and Saufley Field are underlain by three principal hydrogeologic units: the Sand and Gravel Aquifer; the Intermediate System; and the Floridan Aquifer. The Sand and Gravel Aquifer occurs from the ground surface to a depth of approximately 220 to 330 feet below ground surface (bgs), in southern Escambia County.

Below this aquifer is the Intermediate System, a regionally extensive and vertically persistent hydrogeologic unit of low permeability. The Intermediate System in southern Escambia County is approximately 550 to 1,200 feet thick. The Floridan Aquifer System, composed of limestone formations, underlies the Intermediate System and occurs at depths between approximately 1,100 and 1,500 feet bgs, in southern Escambia County. The Sand and Gravel Aquifer and the Floridan Aquifer are used for groundwater by this region, while the Intermediate System acts as a confining unit.

Aquifer systems in the region provide an abundant supply of fresh water. Potable groundwater in Escambia County is generally withdrawn from the Sand and Gravel Aquifer: The Floridan Aquifer is highly productive in other parts of the region, but it is too mineralized to be a potable water source in the Pensacola area. The high annual rainfall for this region provides ample water to recharge the groundwater and surface water systems of this area. Regionally, contamination from tetrachloroethylene (PCE), a dry cleaning chemical, has been a concern, but granular activated carbon filters on the affected wells have been used to treat the contaminated water. At NAS Pensacola, shallow groundwater associated with several IR sites, has been contaminated. Because of this situation, potable water is supplied to NAS Pensacola from wells at NTTC Corry Station.

4.5 Topography

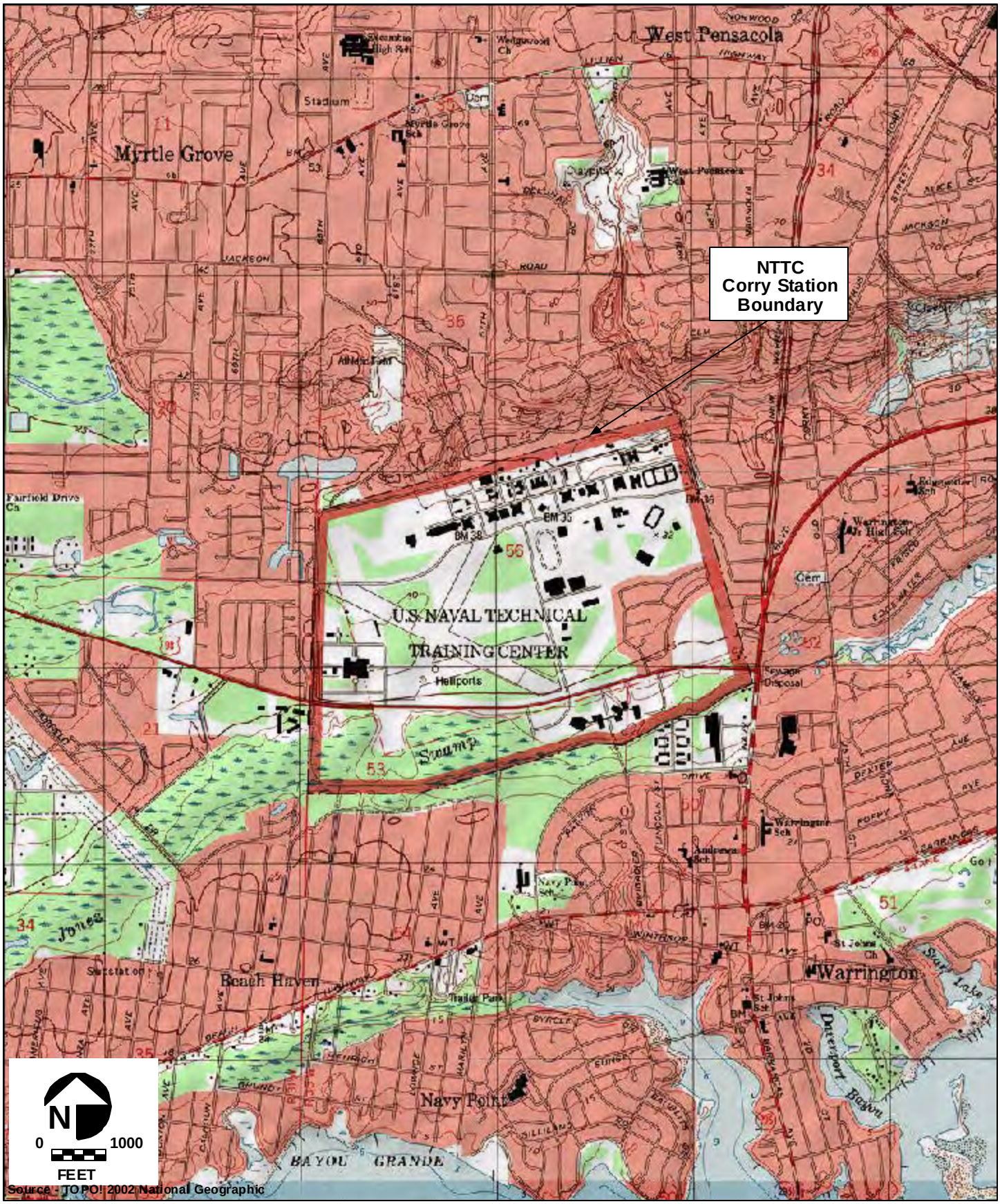
NAS Pensacola is located within the Fort Barrancas, Florida, 7.5-Minute Topographic Quadrangle Map. NTTC Corry Station and Saufley Field are located within the West Pensacola, Florida, 7.5-Minute Topographic Quadrangle Map. The topography at NAS Pensacola is basically flat, ranging from sea level to approximately 40 feet above msl. The topography at NTTC Corry Station ranges from an elevation of 20 to 30 feet above msl. Saufley Field is located along a low ridge with an elevation of approximately 85 feet msl. The ridge drops off to 25 feet msl on the north side of Eightmile Creek, and 10 feet MSL at the edge of Perdido Bay, to the south (Figures 4-1, 4-2, and 4-3).

Project Resources Inc.

Site Topographic Map
NAS Pensacola
Pensacola, Florida

FIGURE

4-1



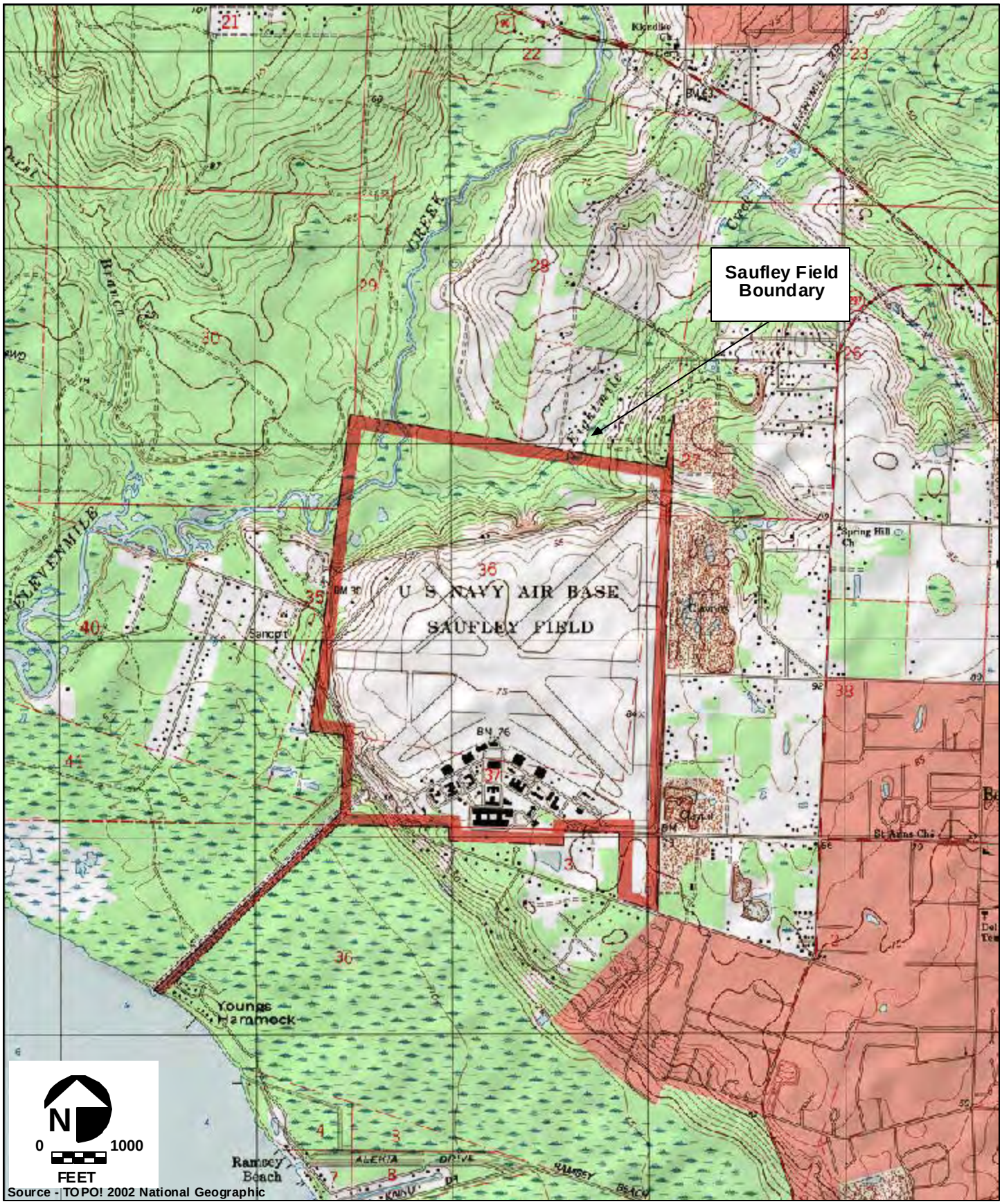
Source : TOPO! 2002 National Geographic

Project Resources Inc.

Site Topographic Map
NTTC Corry Station
Pensacola, Florida

FIGURE

4-2



Source - TOPO! 2002 National Geographic

Project Resources Inc.

Site Topographic Map
Saufley Field
Pensacola, Florida

FIGURE

4-3

4.6 Natural Resources

Wetlands

Based on a review of the Integrated Natural Resources Management Plan (INRMP), 99 wetland areas, comprising approximately 650-acres were reportedly identified at NAS Pensacola during a 1997 wetland delineation study. The major wetland areas were identified along the southern and western edges of NAS Pensacola. In comparing the wetlands map in the INRMP to the subject property boundaries, it appears that portions of the subject property and the associated realty encroach into wetland areas.

Two forested wetland areas, approximately 0.5 acres, were identified at NTTC Corry Station during a 1997 wetland delineation study. In addition, approximately 100 acres of wetland areas were reported to occur at Saufley Field. The majority of the wetland acreage is associated with the floodplain areas of Elevenmile and Eightmile Creeks, in the northern portion of Saufley Field. A review of the wetland delineation maps provided to PRI indicates that the subject property or the associated realty does not encroach into either of the wetland areas identified at NTTC Corry Station or Saufley Field.

Based on PRI's review of the available documentation, and observations made during the site visit, it appears that the associated realty encroaches into wetland areas at NAS Pensacola.

Endangered/Threatened Species

A review of the INRMP indicates that, "at least 15 rare plant species, 21 rare vertebrate species and 12 natural communities occur at NAS Pensacola and Saufley Field." The Florida Natural Areas Inventory (FNAI) performed a rare plant, rare vertebrate and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTC Corry Station due to the extensive development of this property. See Table 4-3 for a list of rare, threatened, and endangered plants and vertebrates occurring at NAS Pensacola and Saufley Field.

Table 4-1.
Rare, Threatened, and Endangered Species at NAS Pensacola and Saufley Field

Location	Rare Plants	Rare Vertebrates
NAS Pensacola	Godfrey's golden aster, Spoon-leaf sundew, Gulf rock rose, Carolina lilaeopsis, Spoonflower, White-fringed orchid, Large-leaf jointweed, White-top pitcher-plant, Parrot pitcher-plant, Drummond's yellow-eyed grass	American alligator, Great egret, Eastern diamondback rattlesnake, Little blue heron, Snowy egret, American swallow-tailed kite, Gopher tortoise, American oyster catcher, Gulf salt marsh snake, Yellow-crowned night heron, Black-crowned night heron, Osprey, Brown pelican, Florida clapper rail, Black skimmer, Least tern, Caspian tern, Royal tern
Saufley Field	Spoon-leaf sundew, Chapman's butterwort, Primrose-flowered butterwort, White-top pitcher-plant, Parrot pitcher-plant, Purple pitcher-plant	Big brown bat, Gopher tortoise, Alligator snapping turtle, Southeastern bat

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally listed plant and vertebrate species occur within the associated realty at NAS Pensacola and Saufley Field.

4.7 Cultural Resources

Based on a review of the NAS Pensacola Integrated Cultural Resources Management Plan (ICRMP), dated October 2002, it appears that NAS Pensacola contains one historic district that is considered a National Historic Landmark (NHL). According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the associated realty.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the associated realty.

An interview with the NAS Pensacola Archeological and Cultural Resource Program Manager indicated that NTTC Corry Station and Saufley Field have historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in

the 800 series. In comparing the building numbers reported to the electrical utility distribution map, the historic districts at NTTC Corry Station and Saufley Field appear to be within the associated realty.

See Appendix C (Supporting Documents) for a list of historic cultural resources at NAS Pensacola. It should be noted that the historic cultural resources list has been included as an excerpt from the NAS Pensacola ICRMP, dated October 2002.

4.8 Archeological Resources

Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTC Corry Station or Saufley Field. Due to security reasons, an archeological resources map was not provided to PRI. However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the associated realty.

See Appendix C (Supporting Documents) for a list of recorded archeological resources at NAS Pensacola. It should be noted that the recorded archeological resources list has been included as an excerpt from the NAS Pensacola ICRMP, dated October 2002.

5.0 ENVIRONMENTAL CONDITIONS

5.1 Federal / State Regulatory Agreements / Permits

National Priorities List

The remedial activities at NAS Pensacola are driven by Section 120 of CERCLA, which addresses procedures to be followed by federal facilities during the investigation and cleanup of environmental problems. To implement CERCLA, the EPA initiated the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). The NCP established the Hazard Ranking System (HRS) to place sites on the National Priorities List (NPL) for priority environmental investigation and response. The HRS score for NAS Pensacola (42.4) placed it on the NPL list on December 31, 1989. The EPA identification number for NAS Pensacola is FL9170024567. NAS Pensacola remains on the NPL until no further response is appropriate under CERCLA.

Domestic Wastewater Facility Permit

PRI reviewed the Domestic Wastewater Facility permit #FL0002500, which authorizes NAS Pensacola Wastewater Treatment Plant to discharge 2.35 million gallons per day (mgd) of effluent into Pensacola Bay. This permit is active from October 8, 1999, through October 1, 2004. The NAS Pensacola Wastewater Treatment Program Manager reported that there have not been any notices of violation (NOV) concerning the aforementioned permit. The existence of the Domestic Wastewater Facility permit is not anticipated to impact the environmental integrity of the subject property or the associated realty.

5.2 Hazardous Substances / Waste Management

Hazardous Substances

Building 684 and 3680 are identified as Hazardous Material Issue/Control Facilities (HAZMART) at NAS Pensacola. These facilities are intended to be the centralized distribution points for hazardous materials for NAS Pensacola host departments, tenant commands and contractors.

Based on the data obtained during PRI's site visit, 65 buildings at NAS Pensacola reportedly store hazardous materials. In addition, eight buildings at Corry Station and five buildings at Saufley Field store hazardous materials. Review of the electrical utility distribution maps indicates that the hazardous material storage buildings, identified above, are located within the boundaries of the subject property. An inventory of buildings, which store hazardous materials at NAS Pensacola, NTTC Corry Station and Saufley Field has been attached (see Appendix C).

Based on visual observations and environmental records reviewed to date, the hazardous material storage areas do not appear to have had an adverse impact on the environmental integrity of the associated realty.

Hazardous Waste

A review of the NAS Pensacola Hazardous Waste Management Plan indicates that the base is identified as a large quantity generator of hazardous waste. Due to the amount of hazardous waste generated, the Florida Department of Environmental Protection (FDEP) has assigned NAS Pensacola ID #FL9170024567. Building 3819 at NAS Pensacola is permitted as a Resource Conservation and Recovery Act (RCRA) Treatment Storage Disposal Facility (TSDF). In addition, five aboveground storage tanks (ASTs) located at Building 604 are identified as less than 90-day hazardous waste storage areas. A review of the electrical utility distribution maps indicates that Buildings 3819 and 604 are located within the associated realty.

At the time of PRI's site visit, no evidence of a hazardous waste release was observed or reported by NAS Pensacola Environmental Department personnel at Buildings 3819 and 604. Based on visual observations and environmental records reviewed to date, the RCRA TSDF and the less than 90-day hazardous waste storage areas do not appear to have had an adverse impact on the environmental integrity of the subject property or the associated realty.

5.3 Petroleum Contamination

PRI's review of the available environmental records indicates that the following petroleum contamination sites were identified at NAS Pensacola, NTTC Corry Station and Saufley Field:

NAS PENSACOLA

Underground Storage Tank Site 14

Underground storage tank (UST) Site 14 is identified as the fenced area surrounding USTs 681 and 682. USTs 681 and 682 are located at the former NAS Pensacola petroleum storage facility, which is located south of Farrar Street. The topographic gradient in this area slopes to the south. The nearest surface water body is Bayou Grande, which is located approximately 3,500 feet to the northeast. The two USTs were installed in December 1943, and each had a storage capacity of approximately 1.1 million gallons. Historically, the tanks stored a variety of vehicular fuels. The site is currently inactive; UST 681 and UST 682 were taken out of service and closed in place in April 1995.

A Site Assessment Report (SAR) was complete in 2000, after the Tank Closure Assessment reported dissolved hydrocarbons in the groundwater. The SAR concluded that the contaminated groundwater was not moving off site, and was limited vertically to the upper surficial zone of the Sand and Gravel Aquifer.

Based on information provided from the above referenced assessment activities, it appears that contaminated groundwater with concentrations in excess of the FDEP Groundwater Cleanup Target Levels (GCTLs) have been reported at the subject site. The primary chemicals of concern (COC) are napthalene, 1-methylnaphthalene, and 2-methylnaphthalene. The groundwater contamination plume appears to be fuel related,

and extends down gradient to the southeast. This contamination site appears to be within the boundaries of the associated realty.

Underground Storage Tank Site 17

UST Site 17 is located southwest of the intersection of North Avenue and East Avenue, and is approximately 200 feet by 200 feet in size. The site was originally reported in 1985, when a marine diesel fuel pipeline was determined to be leaking. In 1986, a pump and treat remedial system was installed and operated until February 1989. Navy Public Works Center was authorized to implement a groundwater monitoring program. In September 1997 quarterly groundwater sampling began.

Based on information provided from the above referenced assessment activities, it appears that contaminated groundwater with concentrations in excess of the FDEP GCTLs have been documented at the site. Polynuclear aromatic hydrocarbons (PAHs) are the primary COC. The groundwater contamination plume appears to be fuel related, and extends down gradient to the southeast. This contamination site appears to be within the boundaries of the associated realty.

Underground Storage Tank Site 19 and 20

UST Site 19 and 20 are located southwest of Forrest Sherman Field, approximately 1,300 feet west of the southern portion of Aircraft Runway 36. The source of contamination was a leak that reportedly occurred near the center of an aboveground section of the dual pipeline that runs between the fuel farm and the tank truck loading facility at Forrest Sherman Field (Buildings 1879 and 1880). The leak was reported to have occurred in 1958, releasing approximately 360,000 gallons of JP-4 fuel to the environment.

Previous investigations of UST Site 19 and 20, performed in 1983, 1984, 1986, 1997, 2001, and 2002 indicated that multiple volatile organic compounds (VOCs), PAHs, and total recoverable petroleum hydrocarbons (TRPHs) observed at the sites, exceeded GCTLs. Analytical results also showed that benzene, toluene, ethylbenzene, and total xylenes (BTEX) compounds were present at concentrations exceeding Natural Attenuation Default Source Concentrations (NADSC).

Based on PRI's review of available environmental records, it appears that soil and groundwater contamination with concentrations in excess of regulatory criteria have been documented at UST Site 19 and 20. These contaminated sites appear to be within the boundaries of the associated realty.

Site 20 Allegheny Pier (Pier 303)

Site 20 Allegheny Pier (Pier 303) is located approximately ¼ mile south of Chevalier Field, situated along the Pensacola Bay shoreline. Currently the area consists of a 30-foot wide concrete loading area immediately adjacent to the pier seawall, and surrounded by a large asphalt parking lot. The site is a former "berthing pier area" that had fueling capabilities. Previously there was a 1,300,00 gallon AST (Tank No. 354)

with a concrete containment wall adjacent to and west of the pier. Tank No. 354 was removed in 1993, and not replaced. Since 1926, Tank No. 354 had stored Navy Special Fuel Oil, Distillate, and JP-5 jet fuel. Pipelines extended from Tank No. 354, north toward Building 2573 to the berthing pier (Structure No. 303). In 1981, a leak was discovered in the fuel pipeline leading to the berthing pier. The soil in area of the leak appeared soaked with fuel oil. An unknown volume of soil was removed, and properly disposed in 1981.

In November 1993, the presence of petroleum constituents at the wastewater treatment plant led to an investigation of the sanitary sewer lines. Oil/fuel was discovered in the lines leading from the berthing pier to the wastewater treatment plant. Possible contamination was thought to have occurred during construction modifications to the pier. Tank No. 354 was removed in 1993, but the pipelines were not. This contamination site appears to be within the boundaries of the associated realty.

Underground Storage Tank Site 21

UST Site 21 is the former location of an aviation gasoline tank farm, and is located east of Duncan Road and north of Radford Boulevard. From approximately 1940 to the late 1960s, nine ASTs were used to store aviation gasoline at the site. The ASTs were routinely cleaned, and the sludge from the bottoms of the ASTs was disposed on the ground surface in the immediate vicinity. The ASTs since have been removed from the site, and the majority of the site is currently covered with grass.

Previous investigations at UST Site 21 performed in 1991, 1995, and 1997 identified petroleum constituent concentrations in the soil and groundwater, which exceeded regulatory criteria. In 2001, FDEP requested that additional assessment be conducted at the site before preparation of the Remedial Action Plan. Based on information provided from the previous assessment activities, soil and groundwater contamination with concentrations in excess of regulatory criteria reportedly have been documented at the site. This contaminated site appears to be within the boundaries of the associated realty.

Underground Storage Tank Site 000024 (Sherman Field Former Fuel Farm)

UST Site 000024 is identified as the former fuel farm at NAS Pensacola, and is located at the western perimeter of the base, about 2,400 feet north of Radford Boulevard. UST Site 000024 is an approximately 3.5-acre fenced area, which includes four cut-and-cover fuel storage tanks (Tank Nos. 1884, 1886, 1887, and 1888). The fuel farm was installed in 1945, and used to store JP-4 jet fuel. The fuel storage tanks were abandoned in place in 1995, when a new fuel farm was constructed adjacent to and south of the original fuel farm.

Reviewed environmental records document an equipment malfunction in 1983 that resulted in the release of approximately 48,000 gallons of JP-4 jet fuel. NAS Pensacola personnel initially installed four recovery ditches, and recovered approximately 600 to 700 gallons of free product. In August 1983, a product/groundwater recovery well

system was installed; however, the recovery system proved ineffective and recovery efforts were discontinued. This contamination site appears to be within the boundaries of the associated realty.

Underground Storage Tank Site 000025 (Building 1932 "Touch-N-Go" Service Station)

UST Site 000025 is the current Navy Exchange "Touch-N-Go" Service Station facility (Building 1932). Building 1932 is located on the north side of San Carlos Road, and consists of a single building and three canopy covered pump islands. A former pump island was located to the south-southwest of the current dispensers. Former USTs located south of the pump islands provided fuel for the service station. Whether the USTs were closed in place or closed by removal is not known. A concrete slab now covers the former USTs location and no fill ports are present.

A 500-gallon waste oil UST (located along the west wall of Building 1932) was closed by removal in August 1994. At the time of the tank removal, a release was reported based on observed discolored soil, and corresponding organic vapor analyzer readings indicative of petroleum. After the release was reported, a monitoring well was installed, and a groundwater sample collected. The groundwater sample was reported to contain twelve compounds with concentrations exceeding detection limits. Two of the compounds, naphthalene and p-xylene were observed in concentrations exceeding Florida GCTLs.

Based on information provided from the previous assessment activities, soil and groundwater contamination at concentrations in excess of regulatory criteria appear to have been reported at the site. The contamination at the site is generally limited to the immediate vicinity of the former pump islands, south of Building 1932, and the former waste oil tank pit. This contaminated site appears to be within the boundaries of the associated realty.

NTTC CORRY STATION

Area 1, Suspected Landfill

Reviewed environmental records document a landfill that was thought to have been owned and operated by NTTC Corry Station during the mid 1950s. According to the records, station personnel of that time period gave an approximate location of the landfill (north of Building 1099), but were unable to specify the disposed materials. It was suspected that solid and hazardous wastes were both deposited in the landfill. The claim later was substantiated by two boring reports.

Soil sampling performed in the suspected area in 1974, showed that the soil contained organic staining which averaged 5 to 44 feet in depth. Additional soil sampling performed in 1991, conducted at the time of renovations to Building 1099, indicated that the soil was stained with organics ranging from 0 to 16.5 feet in depth. This contaminated site appears to be within the boundaries of the associated realty.

Area 2, Aircraft Refueling System
According to environmental records reviewed, NTTC Corry Station reportedly utilized a number of USTs when it was an outlying landing field for NAS Pensacola. Five gasoline USTs (Tank Nos. 538 A through E) with an approximate holding capacity of 12,000-gallons each, were located east of Building 1080, and used in conjunction with 8,000 feet of gasoline pipeline. The gasoline pipeline was connected to 56 gasoline service pits, which were used to refuel aircraft. After NTTC Corry Station was decommissioned as an outlying landing field, the aircraft refueling system was no longer in use. It is unknown when or if the USTs, 8,000 feet of pipeline, and/or the 56 service pits were removed.

Due to the lack of information regarding closure of the aircraft refueling system, the potential for contamination exists. The aircraft refueling system is located within the boundaries of the associated realty.

Area 3, Free Product Area
Based on environmental records reviewed, it appears that in the mid 1950s, Public Works personnel were involved in a routine subsurface operation, when they encountered a significant amount of petroleum in the soil and groundwater north and adjacent to Building 514. The fire department was reportedly called to the scene and pumped out free petroleum product for three days. The source of the petroleum is unknown. It is suspected that the source of the product was from the aircraft refueling system. The aircraft refueling system was located approximately 300 feet east from the free petroleum product area. It is suspected that the petroleum encountered would have been aviation fuel.

Due to the lack of information regarding the remediation of the free petroleum product area, the potential for contamination exists. The free petroleum product area is located within the boundaries of the associated realty.

SAUFLEY FIELD
Underground Storage Tank Site 2406
UST Site 2406 is located at the southwest corner of Building 2406 at Saufley Field. Most of the area in the vicinity of the site is paved with asphalt or concrete. Two woodland areas, approximately ½-acre and 2-acres respectively, are located south-southwest of Building 2406. Within these woodlands (located at the intersection of Raby Avenue and McKinnon Street), a former jet fuel tank farm area, containing six 20,000-gallon USTs, was reportedly identified. A 10-inch fuel line distributed jet fuel to the landing field from the former tank farm area. In addition to the USTs and fuel line, there were also two 20,000-gallon ASTs located behind Building 804 (near the intersection of Raby Avenue and Pou Street), and four 7,800-gallon USTs located beneath the ASTs. The 7,800-gallon USTs containing fuel oil, were reportedly abandoned in place in November 1988.

In 1994, the Public Works Center (PWC) potable water treatment system at Saufley Field included two active potable water wells (PW03 and PW04). A water sample taken from PW04 in 1994 indicated benzene contamination concentrations exceeding the FDEP drinking water standards. PW04 was taken off-line and placed on quarterly monitoring for one year. In 1996, PW03 and PW04 were abandoned in place. PWC performed additional investigations at the site in 1996 and 2000, and confirmed the presence of soil and groundwater contamination exceeding FDEP GCTLs.

A petroleum release from the aforementioned USTs and ASTs may have resulted in the contamination detected in PW04 prior to abandonment. However, no documentation of tank closures for the six 20,000-gallon USTs, two 20,000-gallon ASTs, or the four 7,800-gallon USTs was available. In addition, no documentation of a pipeline closure assessment was provided for the 10-inch fuel line.

However, PRI was able to obtain the SAR Addendum for UST Site 2406, prepared by Tetra Tech dated August 2003, which indicated that the source of contamination is most likely from the intersection between the fuel line and the former tank farm area. This is the area where the free product plume and soil contamination was located. UST Site 2406 is situated within the boundaries of the associated realty.

Based on PRI's review of the available environmental records, it appears that the abovementioned petroleum contaminated sites are within the boundaries of the subject property. In addition, no information was available that documented the remediation and/or closure of the petroleum contaminated sites. Because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property or the associated realty.

Aboveground Storage Tanks

A visual assessment of the ASTs was conducted at NAS Pensacola, NTTC Corry Station and Saufley Field. Table 5-1 lists the active ASTs at NAS Pensacola, NTTC Corry Station and Saufley Field.

Table 5-1
Aboveground Storage Tank List

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	782	782-A	2,000	Diesel Fuel	Y
NAS Pensacola	1064	1006-A	500	Waste Oil	Y
NAS Pensacola	1099	1099-A	300	Diesel Fuel	Y

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	WWTP	3297-E	5,000	Diesel Fuel	Y
NAS Pensacola	WWTP	3297-F	8,000	Methanol	Y
NAS Pensacola	Sherman Field	3581-A	4,126	Smoke Oil	Y
NAS Pensacola	3719	3719-A	285	Diesel Fuel	Y
NAS Pensacola	Bilge Plant	3859-A	20,000	Waste Oil	Y
NAS Pensacola	Bilge Plant	3859-B	20,000	Waste Oil	Y
NAS Pensacola	Bilge Plant	3859-C	10,000	Waste Oil	Y
NAS Pensacola	Bilge Plant	3859-D	10,000	Waste Oil	Y
NAS Pensacola	NA	1955-A	500	Diesel Fuel	Unknown
NAS Pensacola	NA	603-F	4,000	Diesel Fuel	Unknown
NAS Pensacola	NA	639-A	285	Diesel Fuel	Unknown
NAS Pensacola	Port Ops	3851-A	2,000	Diesel Fuel	Y
NAS Pensacola	Golf Course	3447-A	2,000	Gas	Y
NAS Pensacola	Golf Course	3447-B	1,000	Diesel	Y
NAS Pensacola	Port Ops	1825-A	250	Gas	Y
NAS Pensacola	Marina	3257-C	6,000	Unleaded Gasoline	Y
NAS Pensacola	Marina	3257-D	6,000	Diesel Fuel	Y
NAS Pensacola	Power Plant	1857-A	850	Diesel Fuel	Y
NAS Pensacola	Jet Test Cell	3611-A	4,000	JP-5	Y
NAS Pensacola	Jet Test Cell	1922-A	1,000	JP-5	Y
NAS Pensacola	1932	1932-A	10,000	Unleaded Gasoline	Y
NAS Pensacola	1932	1932-B	10,000	Diesel Fuel	Y
NAS Pensacola	1932	1932-C	10,000	Unleaded Super	Y
NAS Pensacola	NA	3255-A	285	Diesel Fuel	Unknown
NAS Pensacola	Crash Station	1878-A	2,000	Diesel Fuel	Y

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	NA	1901-A	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1901-B	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1902-A	300	Diesel Fuel	Unknown
NAS Pensacola	NA	1916-A	285	Diesel Fuel	Unknown
NAS Pensacola	Tacan Site	1917-A	560	Diesel Fuel	Unknown
NAS Pensacola	Maytag Refueling	2644-A	10,000	JP-5	Unknown
NAS Pensacola	Maytag Refueling	2644-B	1,000	JP-5	Unknown
NAS Pensacola	NA	3234-A	500	Diesel Fuel	Unknown
NAS Pensacola	Truck Stands	3919	126,000	Not Available	Unknown
NAS Pensacola	Truck Stands	3920	126,000	Not Available	Unknown
NAS Pensacola	Fuel Farm	3914	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3915	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3916	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3917	1,785,000	JP-5	Y
NAS Pensacola	Fuel Farm	3918	8,000	Diesel Fuel	Y
NAS Pensacola	Fuel Farm	3891-A	10,000	JP-5	Y
NAS Pensacola	Hazardous Storage	684-A	1,000	Waste Oil	Y
NAS Pensacola	NATTC Fire School	3921-A	600	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-B	2,500	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-C	5,000	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-D	5,000	JP-5	Y
NAS Pensacola	NATTC Fire School	3921-E	5,000	JP-5	Y
NTTC Corry Station	504	4110	26,700	#2 Diesel Fuel	Y
NTTC Corry Station	504	4111	26,700	#2 Diesel Fuel	Y

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NTTC Corry Station	504	4112	26,000	#2 Diesel Fuel	Y
NTTC Corry Station	2230	4105	5,300	Mineral Acid	Y
NTTC Corry Station	2230	4106	4,400	Mineral Acid	Y
NTTC Corry Station	2230	4107	4,400	Mineral Acid	Y
NTTC Corry Station	2230	4108	5,800	Mineral Acid	Y
NTTC Corry Station	NA	1064-A	3,000	Gas	Y
NTTC Corry Station	NA	1064-B	560	Diesel Fuel	Y
NTTC Corry Station	NEX Gas Station	3778-E	10,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-F	10,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-G	20,000	Gas	Y
NTTC Corry Station	NEX Gas Station	3778-H	1,000	Waste Oil	Y
NTTC Corry Station	3783	3783-A	5,000	Diesel Fuel	Y
NTTC Corry Station	501	3744-A	800	Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2270-A	20,000	#2 Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2270-B	20,000	#2 Diesel Fuel	Y
NTTC Corry Station	Navy Hospital	2271-A	144,000	#2 Diesel Fuel	Y
Saufley Field	804	804-A	20,000	#2 Diesel Fuel	Y
Saufley Field	804	804-B	20,000	#2 Diesel Fuel	Y
Saufley Field	2434	2434	560	Diesel Fuel	Y
Saufley Field	MO-Gas	2418-A	4,000	Gas	Unknown
Saufley Field	MO-Gas	807-E	3,000	Diesel Fuel	Unknown

At the time of PRI's field assessment, the observed ASTs appeared to be well maintained and secure, with no visible evidence of leakage. Therefore, the ASTs are not considered to represent an environmental concern to the subject property or the associated realty.

Underground Storage Tanks

At the time of PRI's site visit, no active USTs were observed or reported at NTTC Corry Station and Saufley Field. Table 5-2 lists the active USTs at NAS Pensacola.

Table 5-2
Underground Storage Tank List

Location	Building Number/Name	Tank ID #	Capacity (gal)	Contents	Within Subject Property (Y/N)
NAS Pensacola	NEX Gas Station	470-A	10,000	Diesel Fuel	Y
NAS Pensacola	NEX Gas Station	470-B	10,000	Gas	Y
NAS Pensacola	NEX Gas Station	470-C	10,000	Gas	Y
NAS Pensacola	NEX Gas Station	470-D	10,000	Gas	Y

No documented evidence of leaks or spills from the remaining USTs at NAS Pensacola was found during this EBS. Therefore, these USTs are not considered to represent an environmental concern to the subject property or the associated realty at this time.

Oil/Water Separators

Based on a review of the Oil/Water Separator Location Map, Naval Facilities Drawing Number 5013624, it appears there are a total of 17 oil/water separators (OWSs) located at NAS Pensacola. Interviews with NAS Pensacola Environmental Department personnel, as well as a review of the available documentation, indicates that no OWSs are located at NTTC Corry Station and Saufley Field. The OWSs identified at NAS Pensacola appear to be located within the boundaries of the associated realty.

Based on visual observations and environmental records reviewed to date, the existing ASTs, USTs, and OWSs are not anticipated to have an adverse impact on the environmental integrity of the subject property or the associated realty. However, it should be noted that six UST removal sites at NAS Pensacola, one UST removal site at NTTC Corry Station, and one UST removal site at Saufley Field, have been identified at petroleum contamination sites and are described in Section 5.3 above.

5.4 Environmental Restoration

Thirty-nine Installation Restoration (IR) sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites, received "No Further Action" (NFA) letters from the FDEP. See Appendix C (Supporting Documents). The remaining 23 active IR sites appear to be located within the boundaries of the associated realty and are identified below. It should be noted that no IR sites (active or closed) are located at NTTC Corry Station or Saufley Field.

Site 1	Inactive Landfill
Site 2	Southeast Waterfront Sediment Area
Site 8	Rifle Range Disposal Area
Site 11	North Chevalier Field Disposal Area
Site 12	Scrap Bins
Site 15	Pesticide Rinsate Disposal Area
Site 24	DDT Mixing Area
Site 25	Radium Spill Area
Site 26	Supply Department Outside Storage
Site 27	Former Radium Dial Shop
Site 30	Buildings 648, 649, 755 and Industrial Sewer Line
Site 31	Soil North of Building 648
Site 32	Sludge Drying Beds
Site 33	Wastewater Treatment Pond
Site 34	Solvent North of Building 3557
Site 35	Miscellaneous Industrial Wastewater Treatment Plant Solid Waste Management Units
Site 38	Buildings 71, 604 and Associated Industrial Sewer Lines
Site 40	Bayou Grande
Site 41	NAS Pensacola Wetlands
Site 43	Buried Drum Site
Site 44	Building 3221 Solvent Site
Site 45	Building 603 Lead Site
Site 46	Former Building 72

IR Site 1 (Inactive Landfill)
The landfill was used from the early 1950s until 1976 for disposal of solid and industrial waste created at NAS Pensacola, as well as waste from outlying Navy installations. During that time, the site received various wastes such as solvents, polychlorinated biphenyls (PCBs), plating solutions, pesticides, oils, paints, mercury, medical waste, and pressurized cylinders. Asbestos is also reported to have been buried there. This site is undergoing an active remediation phase to treat the groundwater.

IR Site 2 (Southeast Waterfront Sediment Area)
This site is located on the southeastern shore of NAS Pensacola, along the Pensacola Bay waterfront. IR Site 2 contains an area of sediment near the shore where there are many sewer outfalls. Documented quantities of industrial and hazardous waste were discharged to the Pensacola Bay by storm sewers for more than 35 years. Examples of these materials are solvents, cyanide, and heavy metals. Fish kills were not uncommon in this area during the 1940s, 1950s, and 1960s. In 1973, the industrial waste stream was diverted to the Industrial Wastewater Treatment Plant (IWTP). According the NAS Pensacola IR Program Manager, a Record of Decision (ROD) recommending, NFA status is scheduled for Fall 2004.

IR Site 8 (Rifle Range Disposal Area)
The Rifle Range Disposal Area was reportedly used for burning and burial of solid waste (primarily paper) from NAS Pensacola from 1951 to 1955. In the 1950s and 1960s, a rifle range was at the site where Building 3561 is now. Dry refuse was reportedly placed into a trench measuring 12 feet wide by 50 feet long by 7 feet deep. The refuse was then burned overnight. Building 3561 and the paved area around the building now covers most of the excavated area. Construction personnel did not encounter refuse while constructing Building 3561. An interim removal action has been completed for this site, and additional investigation is ongoing.

IR Site 11 (North Chevalier Field Disposal Area)
IR Site 11 occupies 18 acres of land next to an arm of Bayou Grande, north of Chevalier Field (also known as the Yacht Basin). From the late 1930s to the mid 1940s, IR Site 11 was a low, swampy area where industrial wastes were disposed. Examples include wastes from aircraft engine overhauls, waste oil, lumber and other ignitable materials. Additional data are being collected to further characterize the contamination.

IR Site 12 (Scrap Bins)
IR Site 12 is enclosed by a fence and covered with a large concrete pad where heavy equipment is stored. From the early 1930s to the mid 1940s, solid waste from NAS Pensacola were placed in scrap bins and stored at this site. About two truckloads per day of wet garbage were stored at the site before being hauled off for livestock feed. There is no evidence of hazardous material disposal at this site. According the NAS Pensacola IR Program Manager, a ROD was completed for this site resulting in a NFA decision. The appropriate documentation indicating the NFA status was not provided to PRI.

IR Site 15 (Pesticide Rinsate Disposal Area)
IR Site 15 is in the golf course maintenance area, near Bayou Grande. It was used from 1964 to 1979 as a disposal area for water used to clean pesticide equipment. It includes a septic tank and drain field system. The amount of rinse water disposal is not known. According the NAS Pensacola IR Program Manager, a ROD was completed for this site resulting in a NFA decision. The appropriate documentation indicating the NFA status was not provided to PRI.

IR Site 24 (Dichlorodiphenyltrichloroethane [DDT] Mixing Area)
From the early 1950s to the early 1960s, this site was used as a location to mix DDT with diesel fuel for mosquito control. DDT was spilled in the mixing area when it was moved from drums to spray tanks. The unintentional spillage of DDT concentrate may have contaminated site soil and groundwater. According to the NAS Pensacola IR Program Manager, a ROD is scheduled for the Fall of 2004.

IR Site 25 (Radium Spill Area)
IR Site 25 is a reported radium spill area, paved with concrete, east of the radium removal building (Building 780). Building 780 was the location of radium removal

operations for radium dials and other equipment. The equipment was decontaminated here before being repainted in the radium dial shop. The spill reportedly occurred in 1978 on the concrete-paved area when a rusted drum broke open, spilling about 25 gallons of radioactive waste. The spill was reported to have been properly cleaned up. Additional data are being collected to further characterize the contamination.

IR Site 26 (Supply Department Outside Storage)
IR Site 26 was used as outside storage from 1956 until 1964 for industrial materials, including paint strippers and acids, by the NAS Pensacola Supply Department. Incoming containers were placed on steel matting where industrial chemicals sometimes leaked into the soil. Additional data are being collected to further define the contamination.

IR Site 27 (Former Radium Dial Shop)
From the 1940s to 1976, Building 709 was used to rework instrument dials painted with radium-containing paint. Used cleaning solutions and luminous paint were routinely poured into the sanitary sewer system. In 1976, the building was torn down and the drainpipe was identified as having radiation above background levels. The drainpipe was removed to a depth of 18 inches. The remaining underground portion of the pipe was capped and covered with concrete. Additional data are being collected to further define the contamination.

IR Site 30 and 31 (Buildings 648, 649, 755 and Industrial Sewer Line)
IR Sites 30 and 31 were combined and presently consist of Buildings 648, 649, 755 and a nearby wetland area. Building 649 housed a tin/cadmium plating shop with 15 tanks, ranging in size from 200 to 500 gallons. These tanks, along with a 250-gallon tank of trichloroethylene (TCE), were emptied routinely into a ditch leading to a creek. This creek drains into Bayou Grande. Acids, caustics, degreasers, and chromatic solutions were also emptied into the ditch. After 20 years, this operation was replaced with a magnesium treatment line. The magnesium treatment line operated for 10 years.

Fifty tanks in Building 755 were used for 10 years for plating nickel, lead, tin, chromium, and other metals. These tanks, ranging from 50 to 200 gallons in size, were drained from time to time into the ditch described above. On October 14, 1992, the Petroleum Program transferred Tanks 647E, 647N, 649N and 649W, which are at Site 30, to the IR Program.

IR Site 31 was identified as the soil north of Building 648. The building has been used for painting operations since 1949. For about 15 years, waste paint, thinner, and paint sludges were poured onto the ground north of Building 648. On October 14, 1992, the Petroleum Program transferred Tank 648N, located at what was Site 31, to the IR Program.

IR Site 32 (Industrial Wastewater Treatment Plant Sludge Drying Beds)
These contiguous units were operated with the IWTP from 1971 to 1984. They received listed hazardous waste sludges from the IWTP Surge Pond (IR Site 33), and as a result, underwent RCRA closure in 1989. Contents of the drying beds (remaining sludge and leachate drainage system), and an underlying layer of sand were removed to about 6 feet bgs. The material was disposed as a hazardous waste. The site was then backfilled with clean sand, and capped with high-density asphalt. Groundwater at the site will continue to be monitored as part of the IR Program.

An abandoned wastewater treatment plant north of the current IWTP was grouped with Site 32 because of similar past activities and materials. This plant treated sanitary sewer wastes from 1941 to 1971. While the system was designed for sanitary sewage, industrial wastes from the plating operation in Building 649, may have been disposed through this plant. Three main structures, a sedimentation tank, sludge drying beds, and a chlorine contact chamber, make up this site. The three structures were the subject of a removal action that began in September 1994. According the NAS Pensacola IR Program Manager, IR Site 32 was transferred to the RCRA Program in 2003.

IR Site 33 (Wastewater Treatment Pond)
These surface ponds include the domestic polishing pond, phenol/stabilization pond, and industrial surge pond. In 1987, the Environmental Protection Agency (EPA) RCRA Compliance Branch determined that the polishing and stabilization ponds received listed hazardous waste from the industrial surge pond. These ponds were taken out of service. In 1988 to 1989, the ponds underwent RCRA permitted “clean closures”. The industrial surge pond was taken out of service and underwent closure in 1989. The industrial surge pond is suspected of being the prime contributor to the IWTP groundwater contamination. The industrial surge pond was excavated to about 6 feet bgs. The material removed was disposed of as a hazardous waste. The treatment pond’s groundwater will continue to be monitored under the IR Program.

IR Site 34 (Solvent North of Building 3557)
During May 1984, a pipeline at the north end of Building 3557 reportedly leaked a solvent detergent solution used to clean aircraft. The solution contained 1.7 percent chlorinated solvents. Site soil and groundwater may have been contaminated from the release. According the NAS Pensacola IR Program Manager, a site screening investigation was completed resulting in a NFA decision. The appropriate documentation indicating the NFA status was not provided to PRI.

IR Site 35 (Miscellaneous IWTP Solid Waste Management Units)
In addition to IR Sites 32 and 33, other units in the IWTP may receive hazardous waste. These units will be investigated for possible releases (most are ASTs). These tanks require visual inspection for leaks, cracks, and other evidence of a release. Also included are oil-sludge USTs, and underground piping next to the Solid Waste Management Units (SWMUs). The following units are included as IWTP area SWMUs:

industrial grit chamber, primary clarifier, OWS, oil storage tanks, sludge thickener, aeration tank, aerobic sludge digester and ancillary piping, pumps, and junctions boxes.

IR Site 38 (Building 71, 604 and Associated Industrial Sewer Lines)
Building 71 was used as a storage area for hazardous waste. Soil testing identified hazardous substances similar to those used from about 1935 through the late 1970s in Buildings 49, 71, and 72. The materials were used for aircraft painting and paint stripping, including the use of paint strippers, ketones, and TCE (for parts cleaning) in Buildings 49 and 71. Ten 550-gallon ASTs in the building were drained through underground lines to Pensacola Bay. A cyanide spill in the area of Buildings 71 and 104, and the presence of cyanide in the nearby bay waters were identified in the Initial Assessment Report.

Waste from various types of operations used to enter the industrial sewer line without any pretreatment or segregation. Thus, the waste streams may have consisted of everything created or used in the building, such as paint strippers, heavy metals, pesticides, fuels, cyanide wastes (before 1962), solvents, and waste oils.

From 1972 until 1995, Building 604 contained two primary types of operations: metalworking and plating. Metalworking, including such operations as machine tooling, sheet-metal forming, welding, and inspection was phased out during the summer of 1995. However, the plating operations continue. Building 604 was expanded in 1972 to accommodate a plating operation on the site of a previous plating shop. The previous shop (Building 29/604A) operated three cadmium plating lines from about 1960 until it was demolished in 1968 (approximately). The existing plating operation is larger that the old one, and contains about 30 plating process tanks, ranging in size from 40 to 2,000 gallons. Before 1973, wastes (except cyanide) from Building 604 and 29 went into Pensacola Bay. After that, contents of the tanks flowed into the industrial waste sewer line that discharges into the IWTP. Cyanide was pumped into tank trucks and disposed of by a contractor off-base. In 1972, a cyanide pretreatment facility was installed to treat wastewaters containing cyanide before discharge to the sewer line. Monitored natural attenuation has been recommended as the appropriate remedial action.

IR Site 40 (Bayou Grande)
Bayou Grande, an estuarine water body connected to Pensacola Bay, lies adjacent to the northern boundary of NAS Pensacola. North and central parts of NAS Pensacola drain into Bayou Grande, as do western areas of the City of Pensacola.

During contamination assessment investigations, TRPHs, metals, PAHs, and phenols were detected in sediment samples taken near the shore of Bayou Grande. In addition, metals were detected in surface water samples taken near the shore of Bayou Grande. According the NAS Pensacola IR Program Manager, a ROD is scheduled for Fall 2004 or Winter of 2005.

IR Site 41 (NAS Pensacola Wetlands)
An EPA inventory of wetlands identified and assigned numbers to 79 wetland complexes on NAS Pensacola. Two other wetlands were identified during ecological surveys. Freshwater, brackish water ponds, and drainage ditches were also included as wetlands in the EPA study. The majority and largest of the wetlands on NAS Pensacola are located in the western portion of the installation, primarily south and west of Sherman Field. About a third of the 81 wetlands are located east of Sherman Field, where many of the IR sites are located. These small and remnant wetlands are areas where contamination could potentially collect. Contamination was detected in all eight wetlands that have been sampled during contamination assessments. Pathways of contaminate migration will reportedly be studied to identify which wetlands will be studied further. According the NAS Pensacola IR Program Manager, the total number of identified wetlands was reduced to nine, based on a policy set by the Chief of Naval Operations, dated February 8, 2002.

IR Site 43 (Buried Drum Site)
IR Site 43 contained 14 drums and other debris, buried in an area near the southwest corner of Murray and Taylor roads. The area (approximately 200 feet by 200 feet) was identified when two partially buried drums were exposed. The area was fenced in January 1994. A review of the Site Characterization Report, dated January 2004, indicates that surface soil samples at the site contain benzo(a)pyrene and eight metals (antimony, arsenic, barium, copper, iron, zinc, lead, nickel and vanadium) at concentrations exceeding the FDEP residential direct exposure limits (DELs) and NAS Pensacola background concentrations. Groundwater at the site contains concentrations of methylene chloride, a common laboratory contaminant, and two metals (aluminum and iron) at concentrations exceeding FDEP groundwater criteria.

IR Site 44 (Building 3221 Solvent Site)
IR Site 44 was transferred from the Florida Petroleum Program because chlorinated solvents were detected during the petroleum investigation. This site is near an active hangar (Building 3221) on Forest Sherman Field. The hangar is currently used by NAS Pensacola Aerospace Museum for aircraft restoration. Sampling is under way to assess if contamination is present. According the NAS Pensacola IR Program Manager, investigation of IR Site 44 is scheduled for fiscal year 2004.

IR Site 45 (Building 603 Lead Site)
Lead in the soil, near Building 603, was discovered during the investigation of IR Site 18 at NAS Pensacola. Lead concentrations increased at sample locations farther away from IR Site 18. The source of the lead contamination is not known and does not appear to be associated with IR Site 18 (a PCB spill area). According the NAS Pensacola IR Program Manager, investigation of IR Site 45 is scheduled for fiscal year 2004.

IR Site 46 (Former Building 72)
IR Site 46 was discovered during the investigation of IR Site 38 (Building 71 sewer line), when high concentrations of metals were observed in the area adjacent to IR Site 38. According the NAS Pensacola IR Program Manager, investigation of IR Site 46 is scheduled for fiscal year 2004.

Based on PRI's review of available documentation, it is unclear if the IR sites have had a significant adverse impact on the environmental integrity of the subject property. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property.

5.5 Solid / Biohazardous Waste

Solid waste accumulation at NAS Pensacola, NTTC Corry Station, and Saufley Field is limited to paper and plastic generated in the offices, and household items generated in the housing areas. The solid waste is picked up removed from the three bases by an outside contractor. No evidence of illegal dumping of hazardous materials was observed in the trash bins during PRI's visit. Therefore, the generated solid waste at NAS Pensacola, NTTC Corry Station, and Saufley Field does not represent an environmental concern to the subject property or the associated realty.

A small quantity of biohazardous waste is generated and stored at the medical clinic facility (Building 3600) at NAS Pensacola. According to personnel at NAS Pensacola medical clinic, the biohazardous waste is transported to Navy Hospital at NTTC Corry Station, where it is incinerated. No biohazardous waste is generated at Saufley Field.

Due to the indoor storage location, as well as removal and disposal of medical waste, the probability of adverse impact to the subject property or the associated realty from biohazardous waste is unlikely. No additional action or investigation appears warranted at this time.

5.6 Polychlorinated Biphenyl Compliance

PCBs are potentially toxic substances that are commonly found in electrical transformers. The commercial use of PCBs has been banned in the United States since 1979.

According to NAS Pensacola Public Works staff, a base-wide program to identify PCB-containing transformers and oil switches was completed in the mid 1990s. This program included testing existing transformers and oil switches for PCBs, and retro-filling identified PCB-containing transformers with non-PCB insulating fluid. Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department. Originally, the program to eliminate PCBs throughout the base was managed through the NAS Pensacola Public Works Department. However, during the Base Realignment process, the PCB program was turned over to the NAS Pensacola Environmental Department.

During this process, the files which would have confirmed the results of PCB sampling and removal of PCB-insulating fluid were either destroyed or lost, according to personnel in the Public Works and Environmental Departments. In addition, documentation confirming the removal of PCB-containing transformers and oil switches from NTTC Corry Station and Saufley Field was unavailable during PRI's site visit.

In addition, it should be noted that the NAS Pensacola Electrical Commodity Manager (ECM) stated that a single electrical transformer at substation 98 (located adjacent to Building 1857) contains PCB-insulating fluid. At the time of PRI's site visit, the transformer appeared to be in good condition with no evidence of leaks.

At the time of PRI's site visit, several transformers being stored in the "pole yard" (IR Site 17) located at NAS Pensacola appeared to be leaking. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the contents of the leaking transformers were unknown and could not be determined without proper testing. A review of the electrical utility distribution map indicates that the "pole yard" is located within the boundaries of the associated realty.

Based on information obtained from interviews with NAS Pensacola personnel and the available environmental records, the majority of PCB-containing transformers and oil switches at NAS Pensacola and the outlying fields appear to have been either retro-filled or removed from service. However, the transformer located at substation 98 was reported by the NAS Pensacola ECM to contain PCBs. Due to the lack of information indicating that NAS Pensacola, NTTC Corry Station and Saufley Field are PCB-free facilities, it appears likely that PCBs will be an environmental concern at the subject property.

5.7 Asbestos-Containing Material

Based on a conversation with the NAS Pensacola ECM, it appears that some of the underground electrical utility lines at NAS Pensacola and the two outlying fields (NTTC Corry Station and Saufley Field) are encased in fireproof insulation wrap. Based on the date of installation (circa 1950 to 1985), it appears likely that the electrical fireproof insulation wrap contains asbestos. An asbestos survey report was not provided to PRI that addressed the electrical fireproof insulation wrap. However, asbestos was commonly used in the fabrication of insulting material prior to 1979. A review of the TDP for the electrical utility system at NAS Pensacola indicates that approximately 10 percent of the equipment is over forty years old.

Based on interviews with NAS Pensacola personnel, it appears likely that asbestos-containing material (ACM) will be an environmental concern at the subject property.

5.8 Lead-Based Paint

Due to the construction date of the electrical substation buildings (prior to 1979), it is possible for lead-based paint (LBP) to be present on interior and exterior surfaces. At

the time of PRI's site visit, the paint on the door frame of Substation B, at NAS Pensacola, appeared to be cracked and peeling. Based on interviews and review of available environmental records, it appears that no LBP surveys have been performed for the subject property.

Based on review of the available environmental records and PRI's observations during the site visit, it appears likely that LBP may be present within the subject property.

5.9 Pesticides and Herbicides

Based on an interview with the NAS Pensacola Pest Control personnel, vegetated areas are sprayed with commercially available pesticides and herbicides as needed. In addition, at the time of PRI's site visit, the pesticides and herbicides were stored at Building 1538 at NAS Pensacola. It should be noted that Building 1538 (pesticide/herbicide chemical storage building) is located within the boundaries of the subject property. Based on a review of the electrical utility location maps, it appears that the areas of pesticide application overlap with the subject property. There is a low probability of impact from pesticides and herbicides to the subject property or the associated realty due to the limited use, low mobility of contaminants, and indoor storage of these chemicals.

5.10 Other Environmental Concerns

Creosote Utility Poles

At the time of PRI's site visit, old utility poles, which appeared to be creosote treated, were stored at NAS Pensacola in an area identified as the "pole yard" (IR Site 17). The poles were stored on a large concrete pad off the ground. According to the NAS Pensacola ECM, the old utility poles were being stored at the "pole yard" prior to being disposed off-site.

6.0 ADJACENT PROPERTIES

Land immediately surrounding the subject property is within the boundaries of NAS Pensacola, NTTC Corry Station, and Saufley Field. Adjoining landowners to NAS Pensacola, NTTC Corry Station, and Saufley Field are primarily non-industrial private owners, and their properties consist of vacant land, forestland, and a scattering of residential parcels. These adjacent properties do not appear to present an environmental concern to the subject property or the associated realty at this time.

7.0 PROPERTY ASSESSMENT

The following section summaries the areas of REC identified during the EBS.

Wetlands

Based on a review of the INRMP, 99 wetland areas, comprising approximately 650-acres were reportedly identified at NAS Pensacola during a 1997 wetland delineation study. The major wetland areas were identified along the southern and western edges of NAS Pensacola. In comparing the wetlands map in the INRMP to the subject property boundaries, it appears that portions of the associated realty encroach into wetland areas.

Endangered/Threatened Species

A review of the INRMP indicates that, "at least 15 rare plant species, 21 rare vertebrate species and 12 natural communities occur at NAS Pensacola and Saufley Field." The FNAI performed a rare plant, rare vertebrate and natural communities survey at NAS Pensacola and Saufley Field. FNAI did not conduct surveys at NTTC Corry Station due to the extensive development of this property.

Based on PRI's review of the NAS Pensacola INRMP, it appears likely that state and federally listed plant and vertebrate species occur within the boundaries of the associated realty at NAS Pensacola and Saufley Field.

Cultural Resources

Based on a review of the NAS Pensacola ICRMP, it appears that NAS Pensacola contains one historic district that is considered a NHL. According to the ICRMP, the NHL contains 64 resources, which contribute to this historic district. The majority of the resources appear to be within the boundaries of the subject property.

In addition, NAS Pensacola has five historic districts (not classified as NHLs) with a total of 110 contributing resources. The five historic districts are identified as Annapolis of the Air Historic District, Naval Hospital Historic District, Billingsley Drive/Cabaniss Crescent Historic District, Chevalier Field Hangars Historic District, and Fort Barrancas Cantonment Historic District. The majority of the resources, which contribute to the five historic districts, appear to be within the boundaries of the associated realty.

NTTC Corry Station and Saufley Field also have historic districts. Reportedly, NTTC Corry Station historic district is comprised of buildings numbered in the 500 series, and Saufley Field historic district is comprised of buildings numbered in the 800 series. In comparing the building numbers reported to the electrical utility distribution map, the historic districts at NTTC Corry Station and Saufley Field appear to be within the boundaries of the associated realty.

Archeological Resources

Based on an interview with the NAS Pensacola Archeological and Cultural Resource Program Manager, as well as a review of the ICRMP, 53 archeological sites are located at NAS Pensacola. No archeological sites were reported at NTTC Corry Station or Saufley Field. Due to security reasons, an archeological resources map was not provided to PRI. However, according to the NAS Pensacola Archeological and Cultural Resources Manager, some of the archeological sites at NAS Pensacola are within the boundaries of the associated realty.

Petroleum Contamination

PRI's review of the available environmental records indicates that the following petroleum contamination sites were identified at NAS Pensacola, NTTC Corry Station and Saufley Field:

NAS Pensacola

Underground Storage Tank, Site 14
Underground Storage Tank, Site 17
Underground Storage Tank, Site 19 and 20
Allegheny Pier (Pier 303), Site 20
Underground Storage Tank, Site 21
Underground Storage Tank, Site 000024 (Sherman Field Former Fuel Farm)
Underground Storage Tank, Site 000025 (Building 1932 "Touch-N-Go" Service Station)

NTTC Corry Station

Area 1, Suspected Landfill
Area 2, Aircraft Refueling System
Area 3, Free Product Area

Saufley Field

Underground Storage Tank, Site 2406

Based on PRI's review of the available environmental records, it appears that the abovementioned petroleum contaminated sites are within the boundaries of the subject property. In addition, no information was available that documented the remediation and/or closure of the petroleum contaminated sites. Because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the subject property or the associated realty.

Environmental Restoration

Thirty-nine IR sites have been identified at NAS Pensacola. Sixteen of the 39 IR sites, received NFA letters from the FDEP. The remaining 23 active IR sites appear to be located within the boundaries of the subject property. It should be noted that no IR sites (active or closed) are located at NTTC Corry Station or Saufley Field.

Based on PRI's review of available documentation, it is unclear if the IR sites have had a significant adverse impact on the environmental integrity of the subject property. However, because these sites have been identified as contaminated and the appropriate closure has not been obtained, it appears that the contamination could impact the environmental integrity of the associated realty.

Polychlorinated Biphenyl Compliance

According to NAS Pensacola Public Works staff, a base-wide program to identify PCB containing transformers and oil switches was completed in the mid 1990s. Documentation for individual transformers and laboratory test results was not available at the NAS Pensacola Environmental or Public Works Department.

In addition, it should be noted that the NAS Pensacola ECM stated that a single electrical transformer at substation 98 (located adjacent to Building 1857) contains PCB-insulating fluid. At the time of PRI's site visit, the transformer appeared to be in good condition with no evidence of leaks.

At the time of PRI's site visit, several transformers being stored in the "pole yard" (IR Site 17) located at NAS Pensacola appeared to be leaking. The transformers were situated on a wood pallet, and appeared to have leaked onto the soil. An interview with the NAS Pensacola ECM indicated that the contents of the leaking transformers were unknown and could not be determined without proper testing. A review of the electrical utility distribution map indicates that the "pole yard" is located within the boundaries of the associated realty.

Based on information obtained from interviews with NAS Pensacola personnel and the available environmental records, the majority of PCB-containing transformers and oil switches at NAS Pensacola and the outlying fields appear to have been either retro-filled or removed from service. However, the transformer located at substation 98 was reported by the NAS Pensacola ECM to contain PCBs. In addition, several of the transformers in the "pole yard" (IR Site 17) appeared to be leaking fluid, which could not be determined to be PCB-free at the time of the site visit.

Asbestos-Containing Material

Based on a conversation with the NAS Pensacola ECM, it appears that some of the underground electrical utility lines at NAS Pensacola and the two outlying fields (NTTC Corry Station and Saufley Field) are encased in fireproof insulation wrap. Based on the date of installation (circa 1950 to 1985), it appears likely that the electrical fireproof insulation wrap contains asbestos. An asbestos survey report was not provided to PRI that addressed the electrical fireproof insulation wrap.

Based on interviews with NAS Pensacola personnel, it appears likely that asbestos containing material (ACM) will be an environmental concern at the subject property.

Lead-Based Paint

Due to the construction date of the electrical substation buildings (prior to 1979), it is possible for lead-based paint (LBP) to be present on interior and exterior surfaces. At the time of PRI's site visit, the paint on the door frame of Substation B, at NAS Pensacola, appeared to be cracked and peeling. Based on interviews and review of available environmental records, it appears that no LBP surveys have been performed for the subject property.

Based on review of the available environmental records and PRI's observations during the site visit, it appears likely that LBP is present within the subject property.

Creosote Utility Poles

At the time of PRI's site visit, old utility poles, which appeared to be creosote treated, were stored at NAS Pensacola in an area identified as the "pole yard" (IR Site 17). The poles were stored on a large concrete pad off the ground. According to the NAS Pensacola ECM, the old utility poles were being stored at the "pole yard" prior to being disposed off-site.

8.0 CERTIFICATION

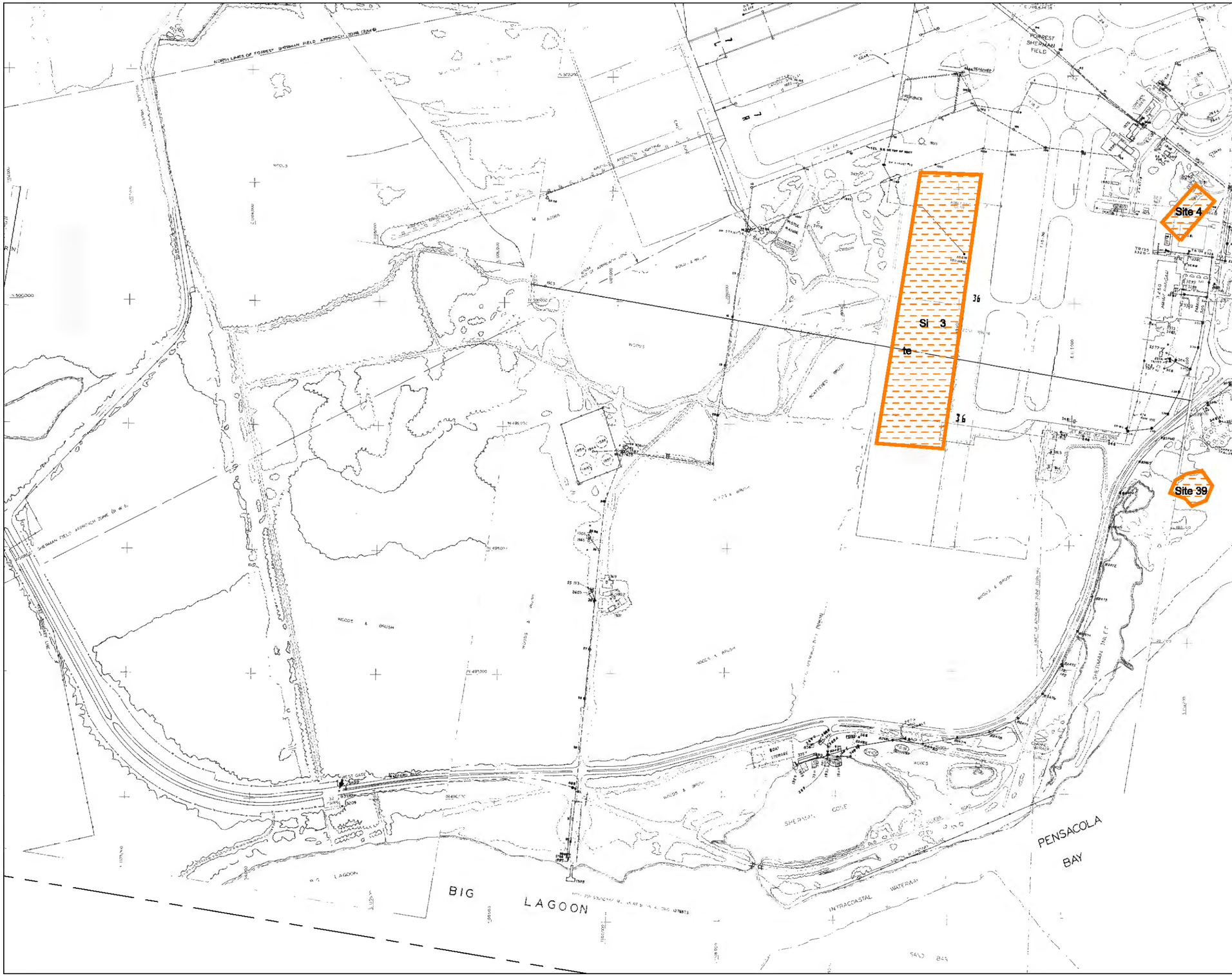
This report describes the pertinent information obtained during the EBS assessment. The findings presented in this EBSR are relative to the dates of PRI's survey in 2004 and should not be relied upon to represent conditions at substantially later dates. PRI's observations reflect site conditions as of the latest survey visit to particular areas of the subject property and the associated realty, and should not be construed as representing previous or future site conditions. Any opinions included herein are based on the information obtained during this survey and PRI's experience with similar surveys. Although this survey has attempted to identify the potential for environmental impacts to the subject property and the associated realty resulting from possible contamination, sources may have escaped detection due to: 1) the limited scope of this assessment; 2) the inaccuracy of public records; 3) the presence of undetected or unreported environmental incidents; or 4) other site and area specific factors. It has not been the purpose of this survey to determine the actual presence, degree, or extent of contamination, if any, at the site.

I certify that the property conditions stated in this report are based on a review of available records, visual inspections, and interviews as noted, and are true and correct, with the above qualifications, to the best of my knowledge and belief.

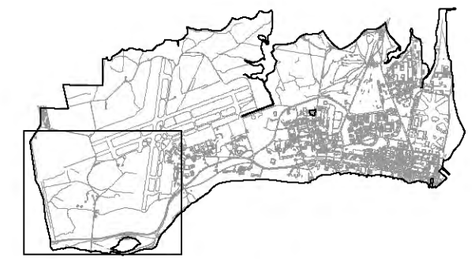
Date	Jeremiah D. Jackson, PhD, PE Program Manager Project Resources Inc.
Date	Mehdi Siavoshani Project Manager Project Resources Inc.

APPENDIX A

Electrical Utility Distribution and IR Site Location Maps



DETAIL LOCATION MAP



LEGEND

IR SITES – APPROXIMATE LOCATIONS

IR SITES

1 Inactive Landfill
2 Southeast Waterfront
3 Crash Crew Training Area
4* Army Rubble Disposal Area
5* Borrow Pit
6* Fort Redoubt Disposal Area
7* Firefighting School
8 Rifle Range Disposal Area
9* Navy Yard Disposal
10* Commodore's Pond
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27 Former Radium Dial Shop
28* Site of Transformer Accident
29* Soil South of Building 3460
30 Buildings 648, 649, 755 & Industrial Sewer Line
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40 Bayou Grande
41 NAS Pensacola Wetlands
42* Pensacola Bay
43 Buried Drum Site
44 Building 3221 Solvent Site
45 Building 603 Lead Site

* Indicates "No Further Action" Required

ELECTRICAL UTILITIES

- UNDERGROUND DUCTS
- □___ MANHOLE
- □SS__ SUBSTATION
- □HH__ HANDHOLE
- □V___ VAULT
- ▲ POLE-MOUNTED TRANSFORMER
- ● WOOD POLE
- OVERHEAD LINES
- DIRECT-BURIAL CABLES
- DIRECT-BURIAL FIBER OPTICAL CABLE

N W E S

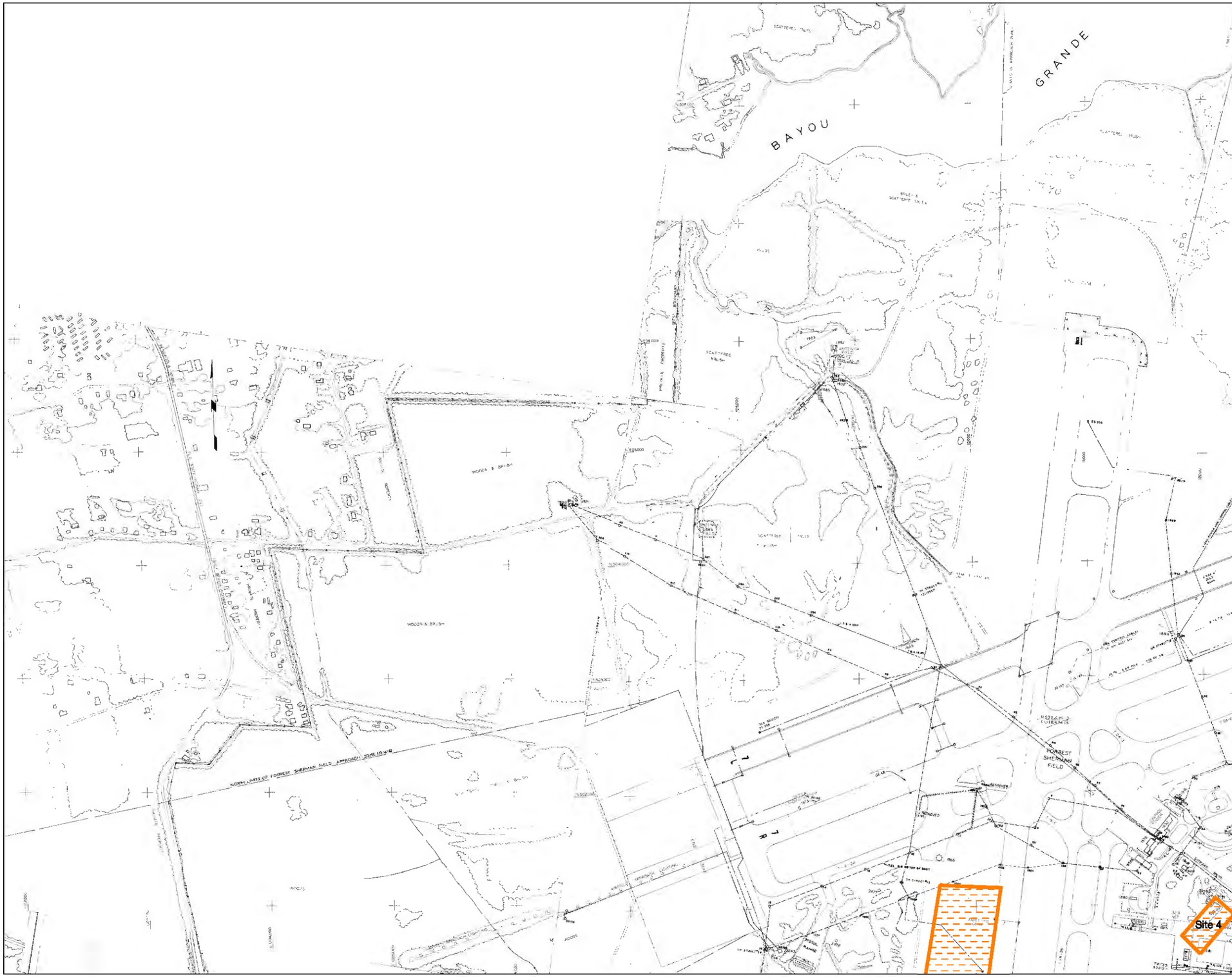
0 35 70 105 140

GRAPHIC SCALE IN FEET

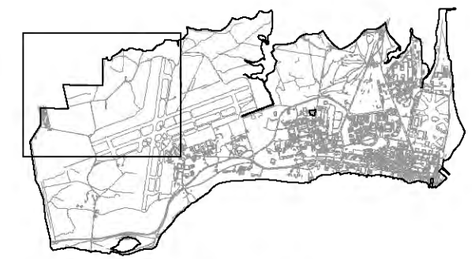
NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA
ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-1	B		
	SCALE: AS SHOWN	SHEET 1 of 8	



DETAIL LOCATION MAP



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□SS__ SUBSTATION
□HH__ HANDHOLE
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▲ POLE-MOUNTED TRANSFORMER
● WOOD POLE
———— OVERHEAD LINES
———— DIRECT-BURIAL CABLES
———— DIRECT-BURIAL FIBER OPTICAL CABLE

N W E S

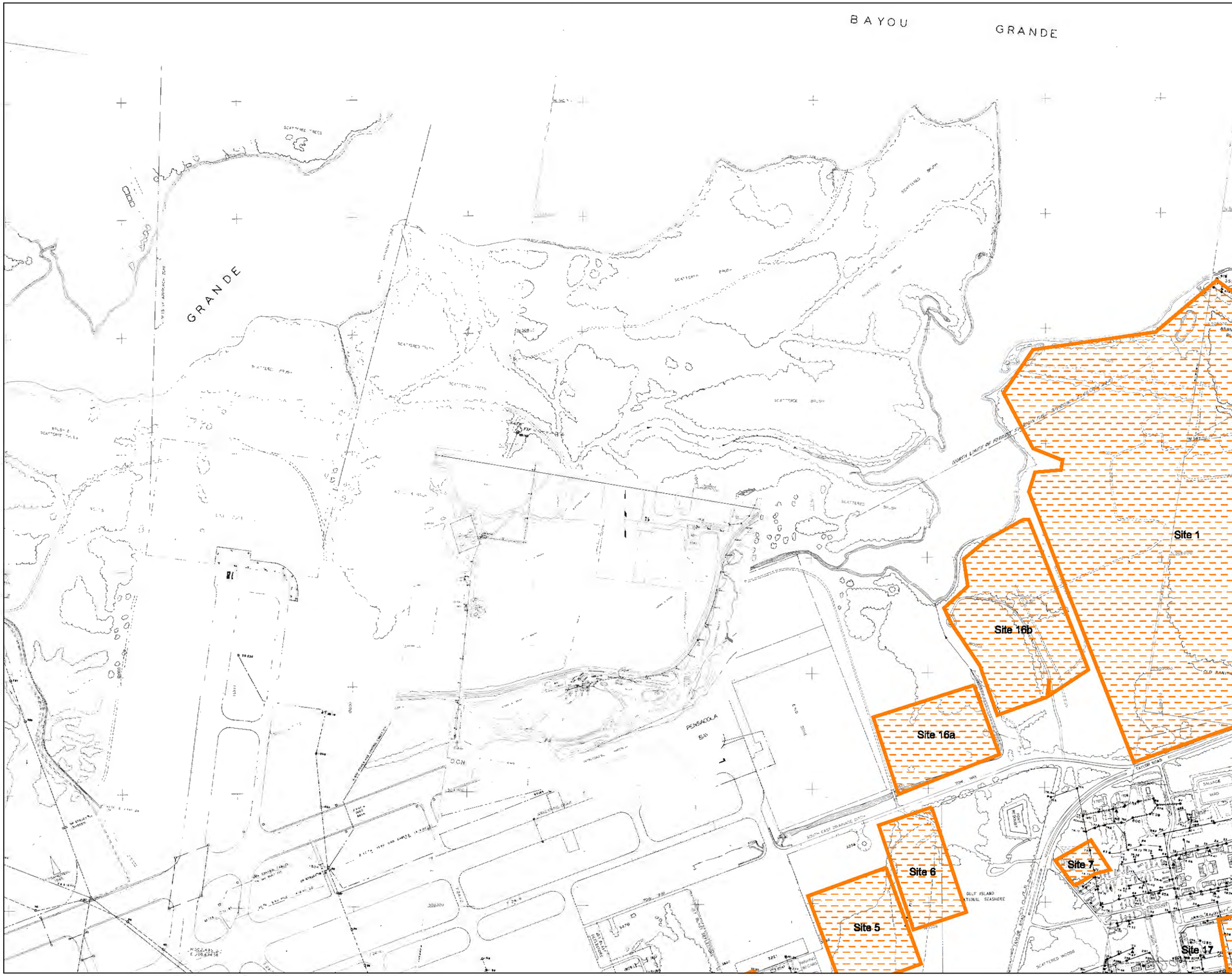
0 420 840 1260 1680

GRAPHIC SCALE IN FEET

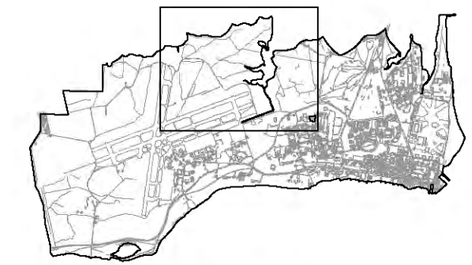
NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA
ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-2	B		
	SCALE: AS SHOWN	SHEET 2 of 6	



DETAIL LOCATION MAP



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N W E S

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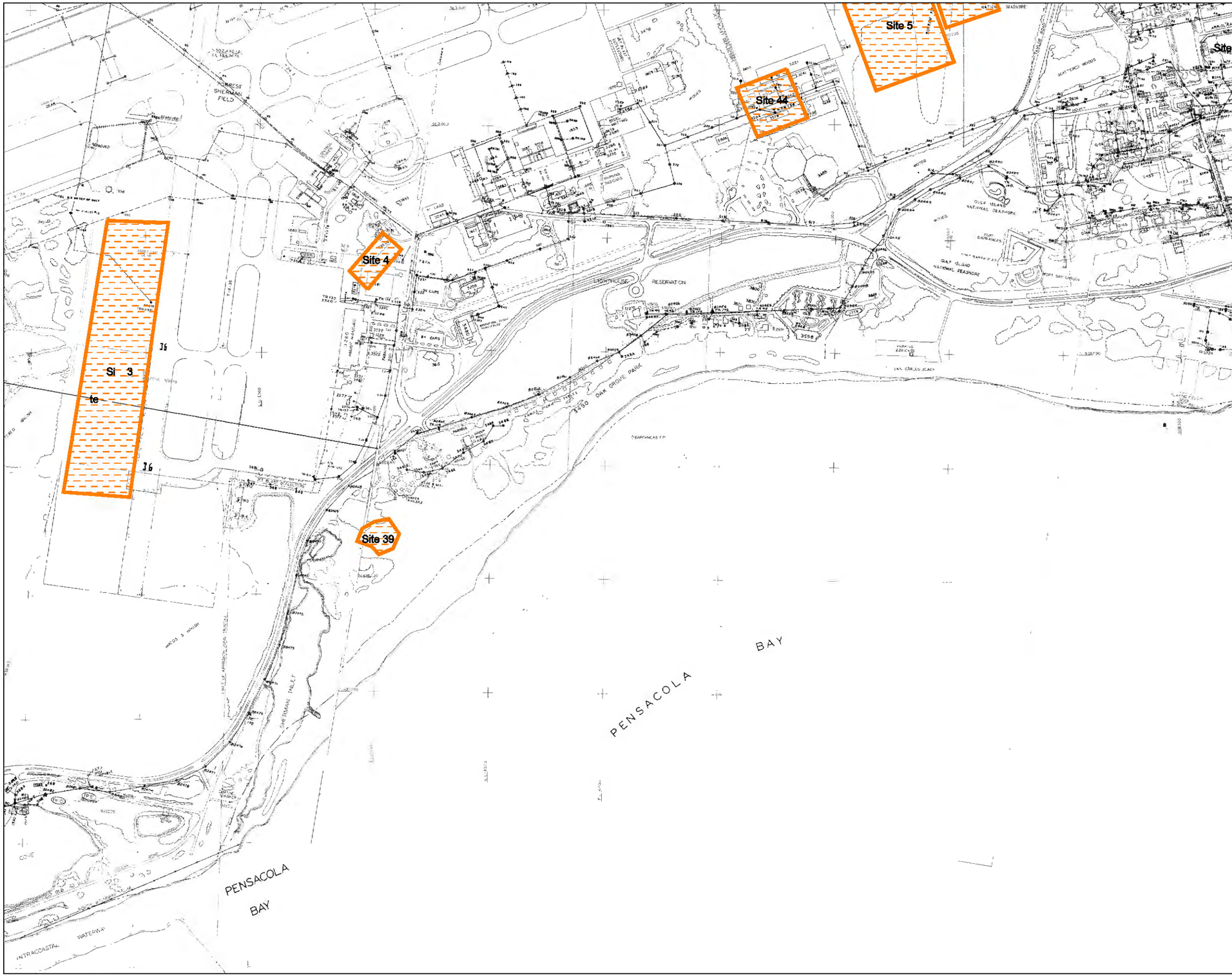
GRAPHIC SCALE IN FEET

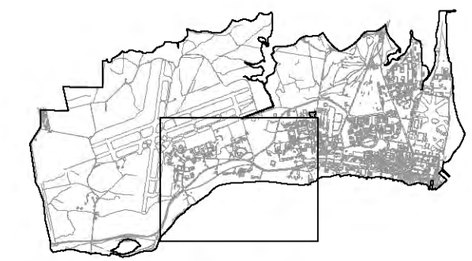
NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-3	B		
	SCALE: AS SHOWN	SHEET 3 of 6	



DETAIL LOCATION MAP



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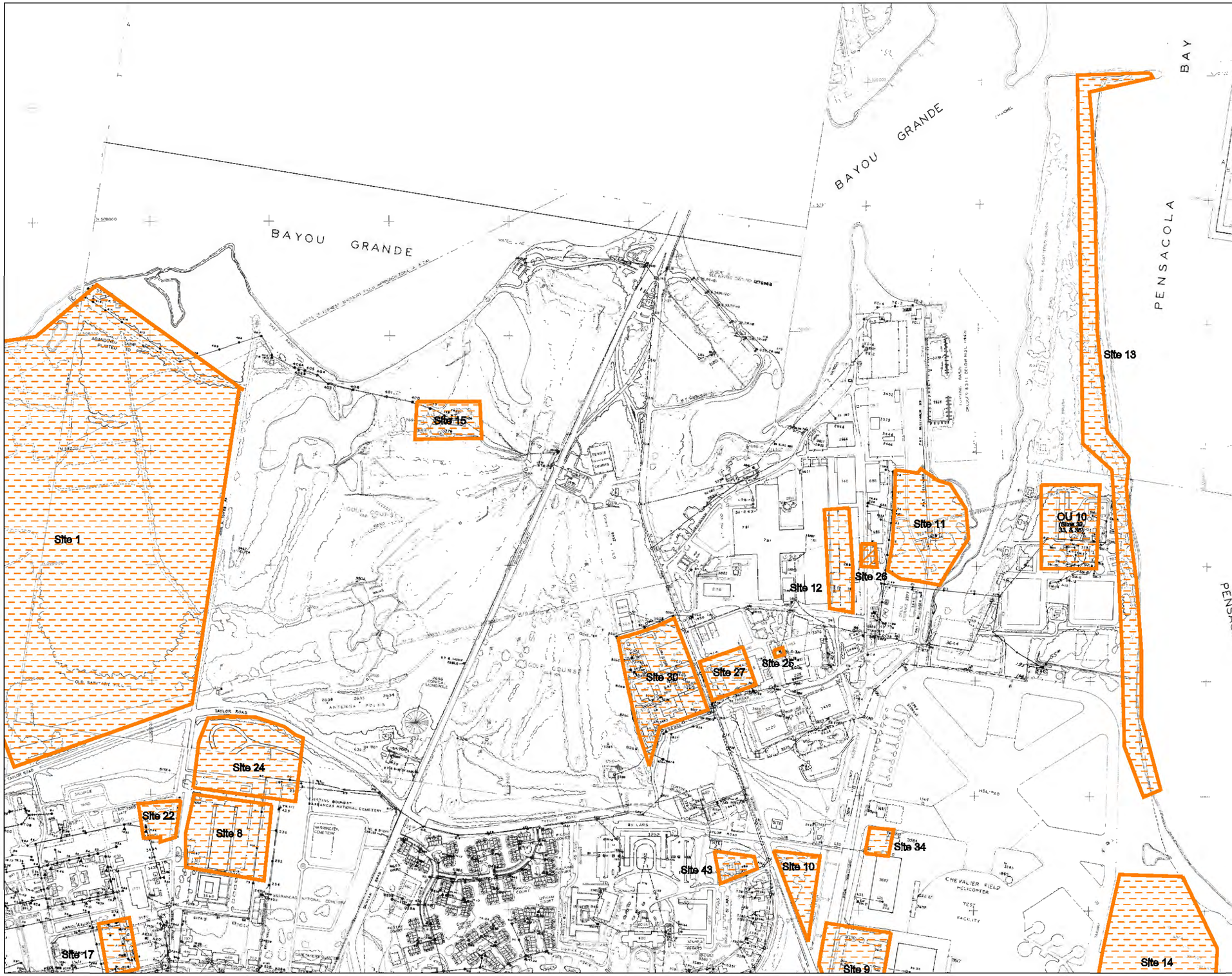
GRAPHIC SCALE IN FEET

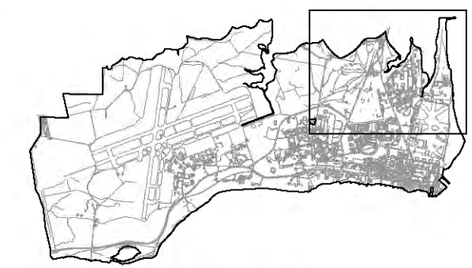
NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA
ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-4	B		
	SCALE: AS SHOWN	SHEET 4 of 8	



DETAIL LOCATION MAP



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N W E S

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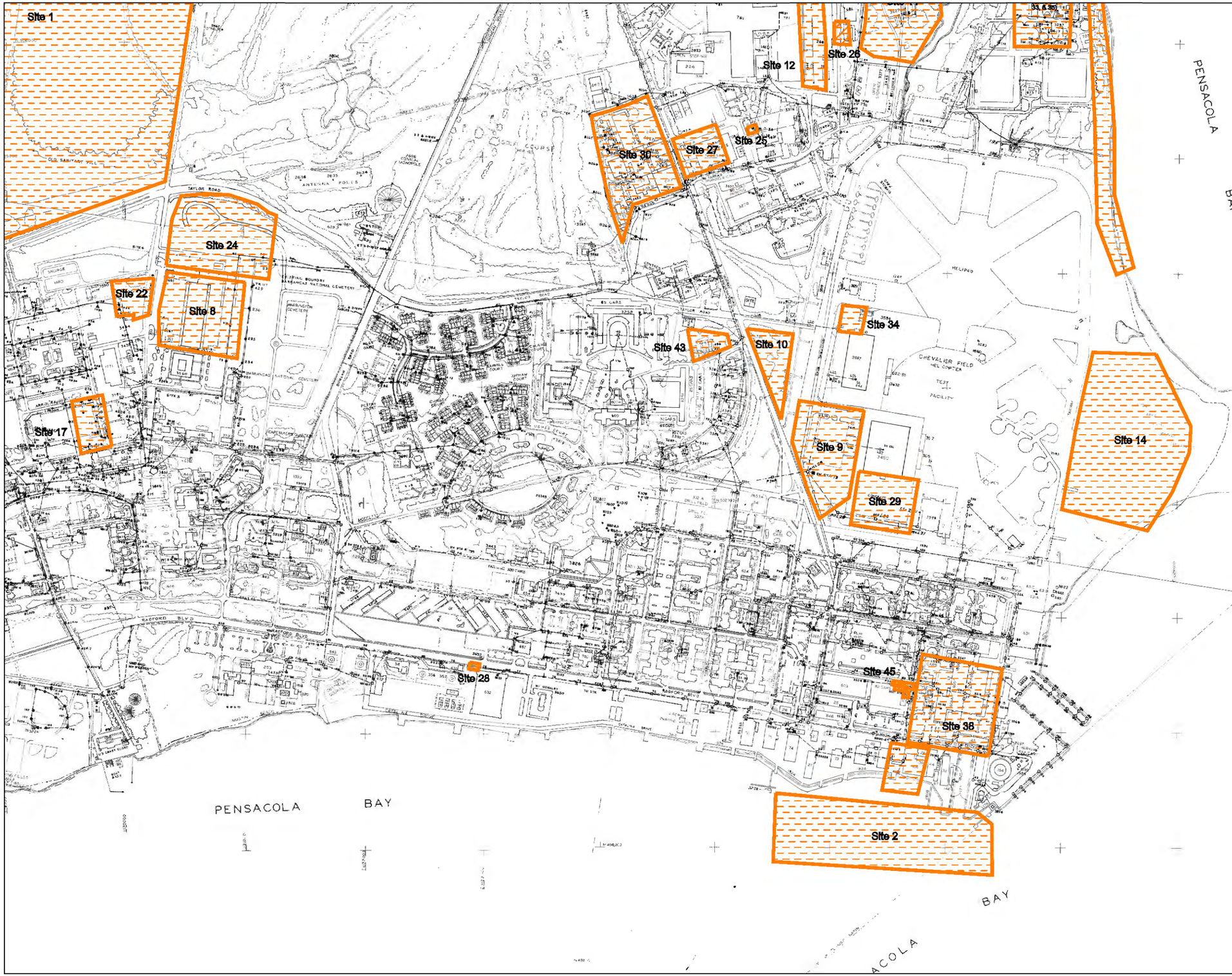
GRAPHIC SCALE IN FEET

NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-5	B		
	SCALE: AS SHOWN	SHEET 5 of 8	



DETAIL LOCATION MAP

LEGEND

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N W E S

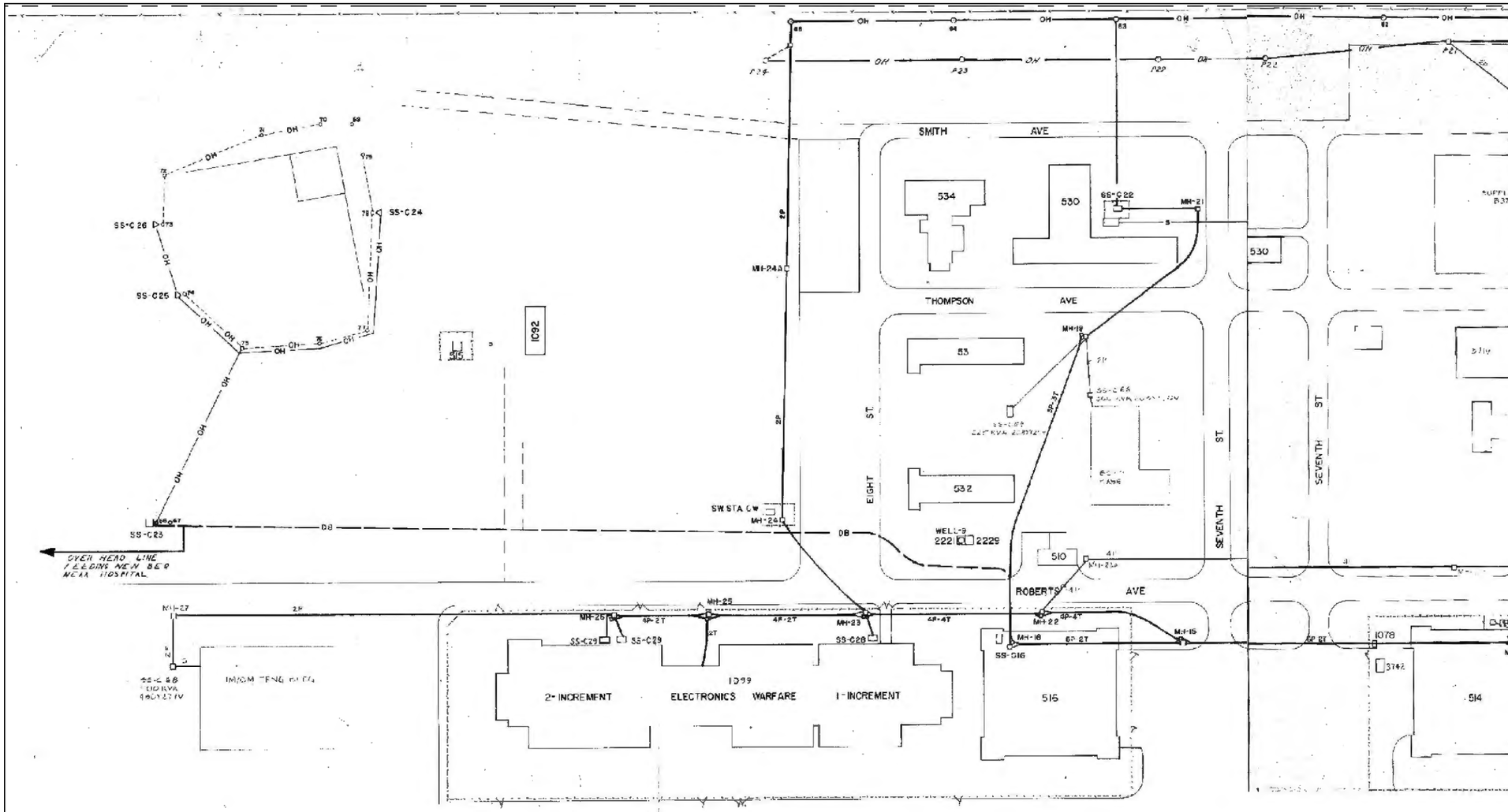
0 35 70 105 140

GRAPHIC SCALE IN FEET

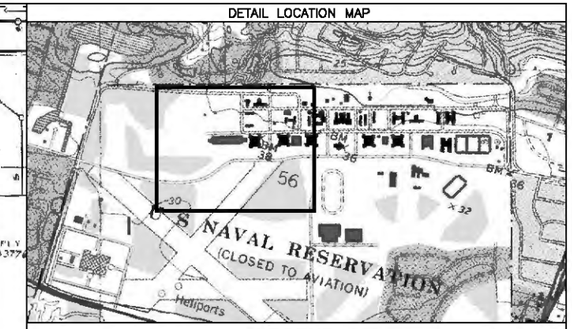
NAVAL AIR STATION
PENSACOLA, FLORIDA

NAS PENSACOLA
ELECTRICAL UTILITY DISTRIBUTION MAP AND IR SITE LOCATION MAP

FIGURE	SIZE	DWG NO.	REV
A-6	B		
	SCALE: AS SHOWN	SHEET 6 of 8	



DETAIL LOCATION MAP



LEGEND

ELECTRICAL UTILITIES

OVERHEAD LINES

N
W E
S

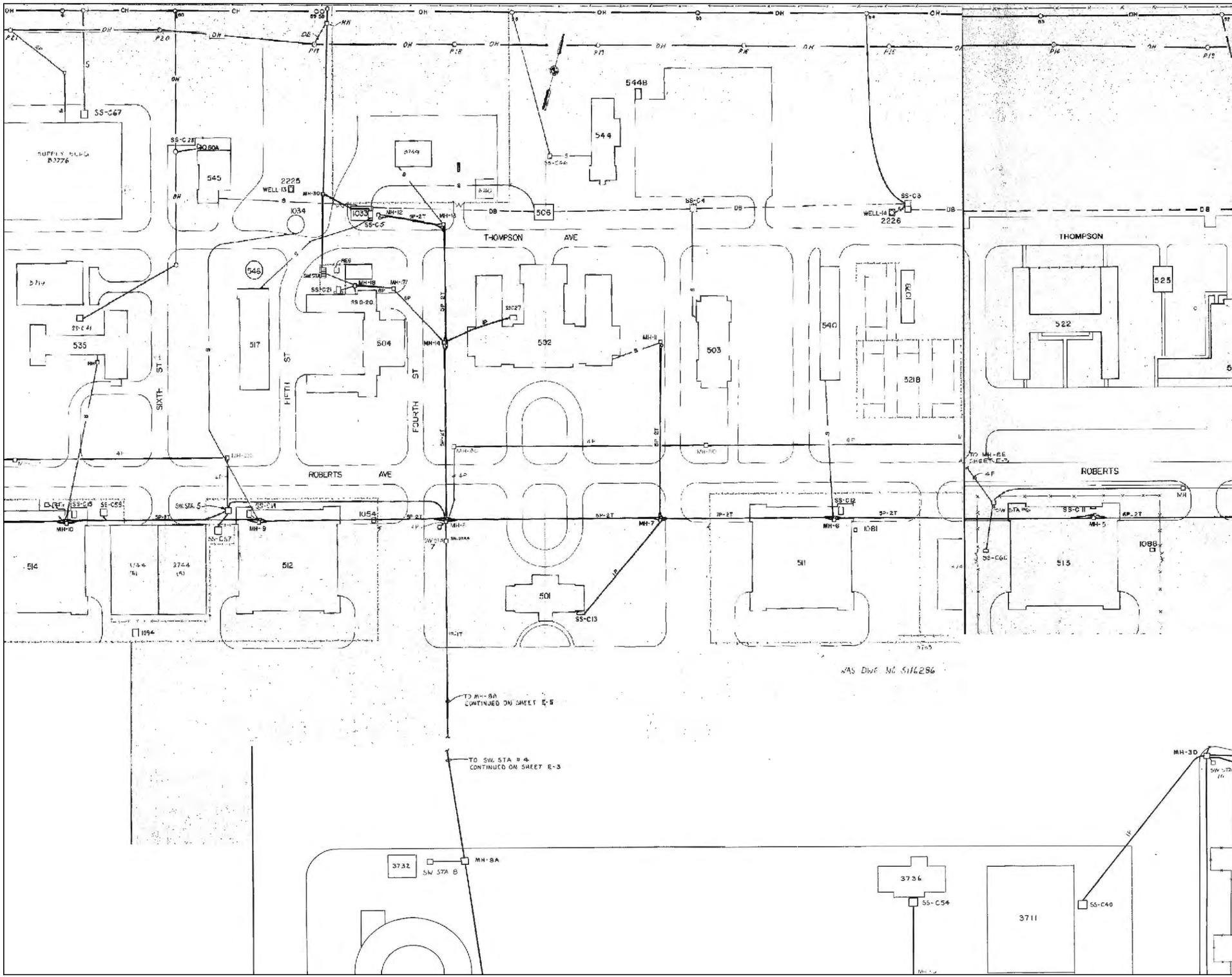
0 75 150 225 300

GRAPHIC SCALE IN FEET

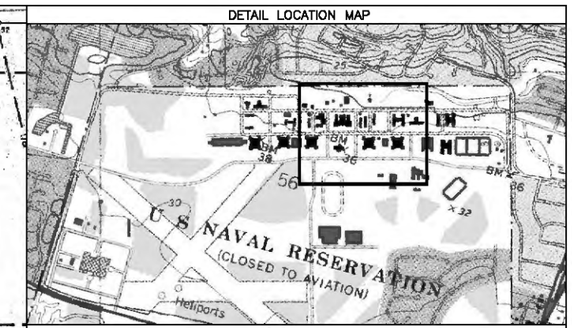
NAVAL AIR STATION
PENSACOLA, FLORIDA

CORRY STATION
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-7	B		
	SCALE: AS SHOWN	SHEET 1 of 5	



DETAIL LOCATION MAP



LEGEND

ELECTRICAL UTILITIES

OVERHEAD LINES

N
W E
S

0 75 150 225 300

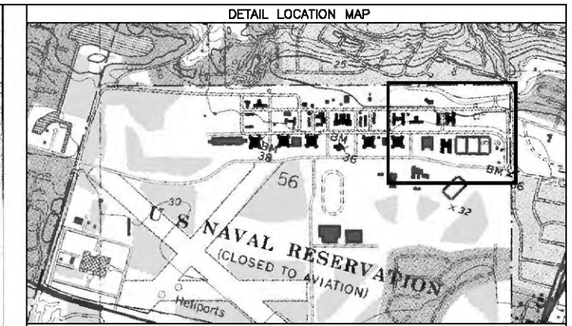
GRAPHIC SCALE IN FEET

NAVAL AIR STATION
PENSACOLA, FLORIDA

CORRY STATION
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-8	B		
	SCALE: AS SHOWN	SHEET 2 of 5	

DETAIL LOCATION MAP



LEGEND

ELECTRICAL UTILITIES

OVERHEAD LINES

0 75 150 225 300

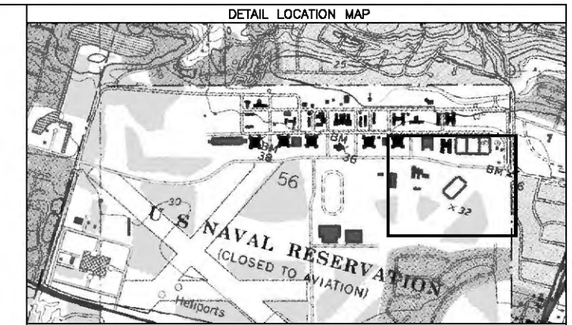
GRAPHIC SCALE IN FEET

NAVAL AIR STATION
PENSACOLA, FLORIDA

CORRY STATION
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-9	B		
SCALE: AS SHOWN		SHEET 3 of 5	

DETAIL LOCATION MAP



LEGEND

ELECTRICAL UTILITIES

OVERHEAD LINES

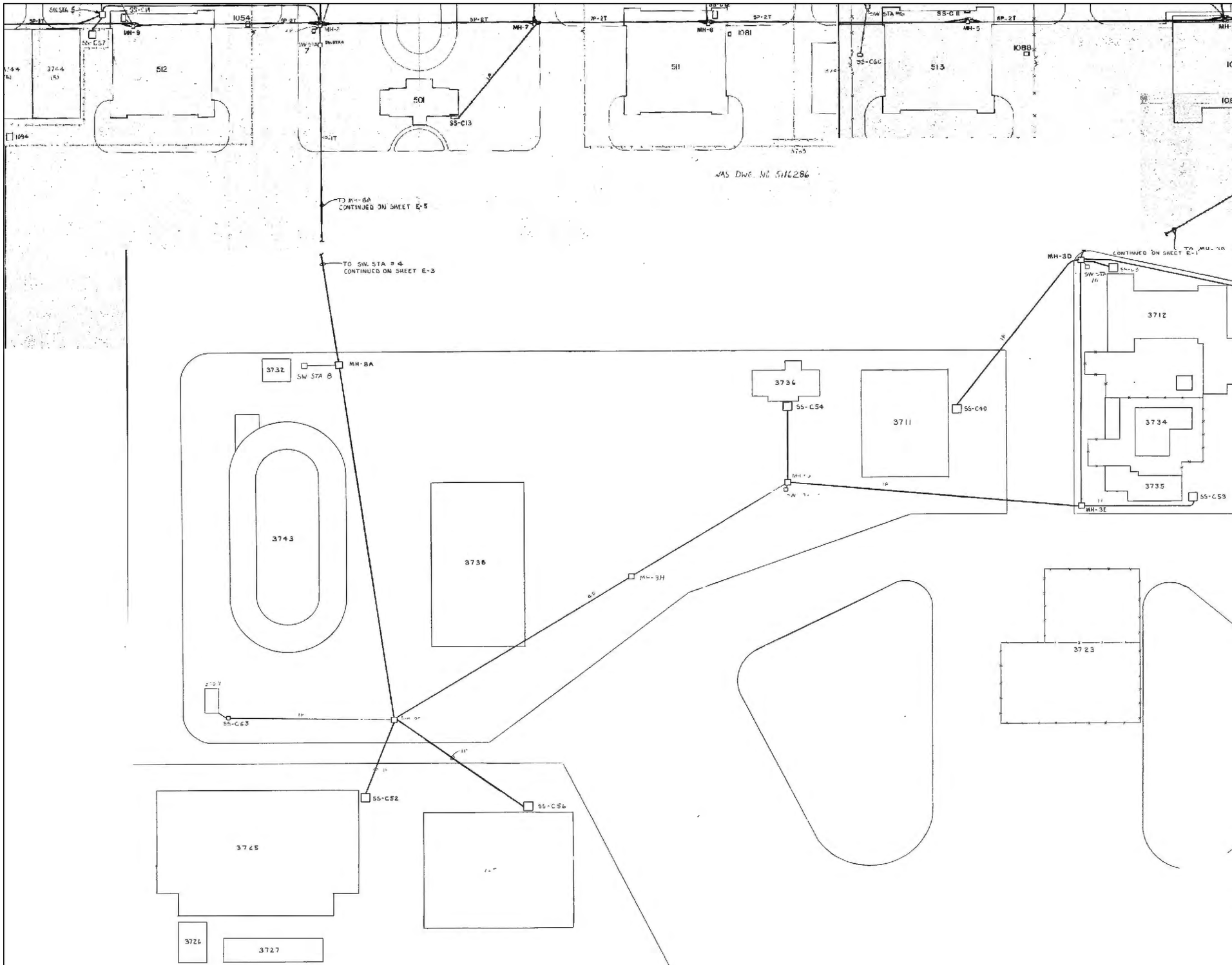
0 75 150 225 300

GRAPHIC SCALE IN FEET

NAVAL AIR STATION
PENSACOLA, FLORIDA

CORRY STATION
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-10	B		
	SCALE: AS SHOWN	SHEET 4 of 5	



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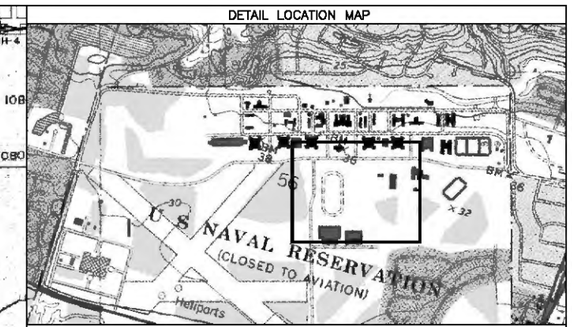


LEGEND

ELECTRICAL UTILITIES

OVERHEAD LINES

N
W
E
S

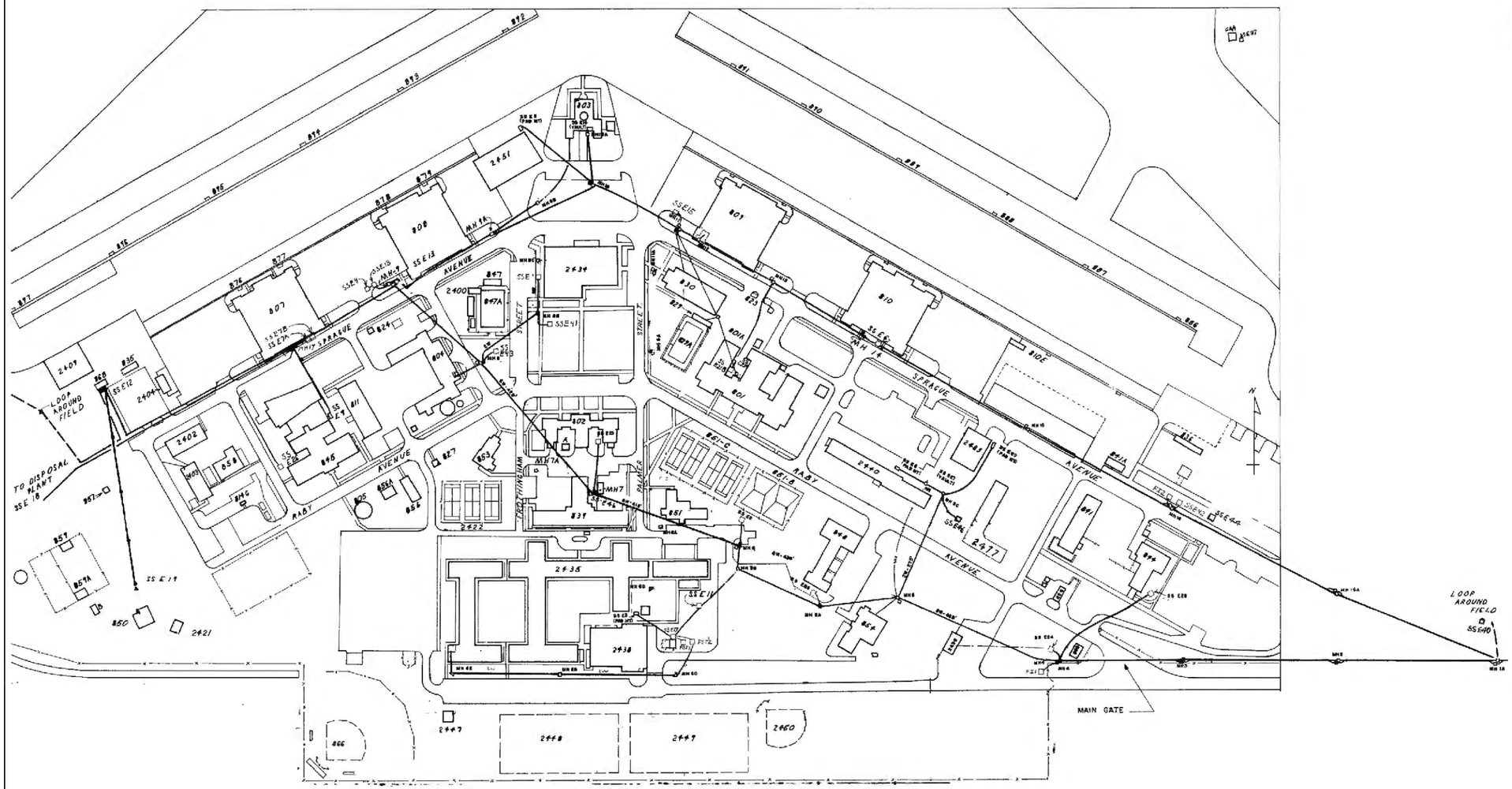
0 75 150 225 300

GRAPHIC SCALE IN FEET

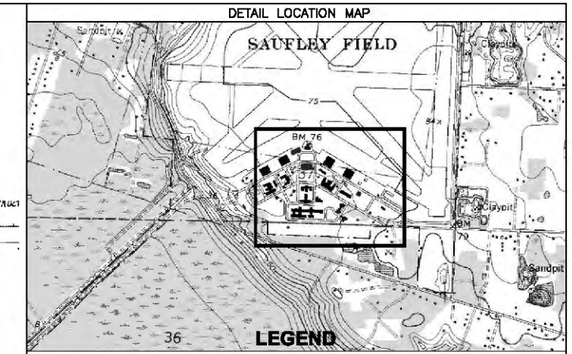
NAVAL AIR STATION
PENSACOLA, FLORIDA

CORRY STATION
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-11	B		
	SCALE: AS SHOWN	SHEET 5 of 5	



DETAIL LOCATION MAP



LEGEND

ELECTRICAL UTILITIES

- UNDERGROUND ELECTRICAL DUCT
- UNDERGROUND ELECTRICAL CABLE DIRECT BURIED
- POWER & TELEPHONE MANHOLES
- POWER MANHOLES
- OVERHEAD ELECTRIC LINE
- TRANSFORMER BANK POLE MOUNTED
- UNDERGROUND SECONDARY ELECTRIC SERVICE
- ABANDONED UNDERGROUND ELECTRIC DUCT
- FI — FAULT INTERRUPTER
- FST — FUSED SECTIONALIZING TERM
- CAP — CAPACITOR BANK
- FI — FAULT INDICATOR

N W E S

NO SCALE

NAVAL AIR STATION
PENSACOLA, FLORIDA

SAUFLEY FIELD
ELECTRICAL UTILITY DISTRIBUTION MAP

FIGURE	SIZE	DWG NO.	REV
A-12	B		
	SCALE: AS SHOWN	SHEET 1 of 5	

APPENDIX B

Site Photographs

Electrical Utility Privatization
NAS Pensacola
Pensacola, Florida
PRI Project #205051.10

1. View of main electrical substation at NAS Pensacola.

2. View of Gulf Power feeder circuit station (aka submarine station) located on south shore of Bayou Grande at NAS Pensacola.

3. View of Substation 98 (located adjacent to Building 1857) at NAS Pensacola.

4. View of reported PCB-contaminated transformer at Substation 98; note no leaks observed.

5. View of suspected lead-based paint at doorway of Substation B; note paint peeling and chipping.

6. View of transformer storage at IR Site 17 (pole yard) at NAS Pensacola; note lack of secondary containment.

7. View of leaking transformers at IR Site 17 (pole yard).

8. View of soil stained area around the leaking transformers at IR Site 17 (pole yard).

9. View of electrical utility pole storage (possibly creosote treated) at IR Site 17 (pole yard).

10. View of potential ACM fireproof, insulating wrap on underground electrical utility lines at NAS Pensacola.

11. General view of IR Site 1 (Inactive Landfill) at NAS Pensacola.

12. View of IR Site 2 (Southeast Waterfront Sediment Area) at NAS Pensacola; note storm sewer outfalls coming from sea wall.

13. View of IR Site 8 (Rifle Range Disposal Area) located adjacent to Building 3561 at NAS Pensacola.

14. View of IR Site 11 (North Chevalier Field Disposal Area), located west of Building 3616.

15. View of IR Site 12 (Scrap Bins).

16. View of IR Site 15 (Pesticide Rinsate Disposal Area).

17. View of IR Site 24 (DDT Mixing Area).

18. View of IR Site 25 (Radium Spill Area) located adjacent to Building 780; note monitoring well in foreground.

19. View of IR Site 26 (Supply Department Outside Storage).

20. View of IR Site 27 (Former Radium Dial Shop); foundation is from remains of Building 709.

21. View of IR Site 30 (Building 649 and Industrial Sewer Line).

22. View of IR Site 31 (soil north of Building 648); note monitoring well in the foreground.

23. View of IR Sites 32, 33 and 35 (Sludge Drying Beds, Wastewater Treatment Ponds, and Miscellaneous IWTP SWMUs).

24. View of IR Site 34 (Solvent north of Building 3557).

25. View of IR Site 38 (Buildings 71, 604 and associated industrial sewer lines).

26. View of IR Site 43 (Buried Drum Site).

27. View of IR Site 44 (Building 3221 Solvent site).

28. View of IR Site 45 (Building 603 Lead Site).

APPENDIX C

Supporting Documents

SUPPORTING DOCUMENTS

Cultural Resources

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
1	Human Resources Office	1858	Contributing	Pensacola Naval Air Station National Historic Landmark
8	Storage	1908	Contributing	Pensacola Naval Air Station National Historic Landmark
16	Administrative	1854	Contributing	Pensacola Naval Air Station National Historic Landmark
18	Administrative Services	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
19	Housing Storage	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
19-A	Boundary Wall between #19 & #28	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
21	Firehouse No. 1	1938	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
25	Administrative Offices	1848	Contributing	Pensacola Naval Air Station National Historic Landmark
26	Foundry and Forge	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
27	COMSYSTO/Naval Exchange Offices	1872	Contributing	Pensacola Naval Air Station National Historic Landmark
28	Housing Equipment Storage Warehouse	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
34	Guest House/VIP	1873	Contributing	Pensacola Naval Air Station National Historic Landmark
38	Boat Shop/Administrative Offices	1882	Contributing	Pensacola Naval Air Station National Historic Landmark
38-A	Port Service	1901	Contributing	Pensacola Naval Air Station National Historic Landmark
40	Post Office	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
45	NAV RCRT ORNT UNIT/NAVY/LGL	1907	Contributing	Pensacola Naval Air Station National Historic Landmark
47	Power Station	1906	Contributing	Pensacola Naval Air Station National Historic Landmark
51	Fire Extinguisher Repair-Storage	1908	Contributing	Pensacola Naval Air Station National Historic Landmark
52	MATSG Headquarters	1907	Contributing	Pensacola Naval Air Station National Historic Landmark
54	Flagpole	1939	Non-Contributing	Annapolis of the Air Historic District
67	Public Restroom	1916	Contributing	Pensacola Naval Air Station National Historic Landmark
73	Administrative Support	1916	Contributing	Pensacola Naval Air Station National Historic Landmark
74	Recycling Building	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
85	Boundary Wall	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
89	Public Quarters	1917	Not Eligible	
89-A	Heater House	1956	Not Eligible	
96	Brick Wall	1863	Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
107	Rubber/Plastic Parts MF/RP	1917	Contributing	Pensacola Naval Air Station National Historic Landmark
140	Cablevision Offices	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
146	Yard Craft Bldg.	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
148-A	Public Quarters	1917	Not Eligible	
148-B	Public Quarters	1917	Not Eligible	
148-C	Heater House	1951	Not Eligible	
149	Public Quarters	1950	Not Eligible	
149-D	Heater House	1942	Not Eligible	
177	Bulkhead	1852	Contributing	Pensacola Naval Air Station National Historic Landmark
178	Bulkhead	1852	Contributing	Pensacola Naval Air Station National Historic Landmark
191	Public Affairs Offices	1870	Contributing	Pensacola Naval Air Station National Historic Landmark
208	Officers Housing	1918	Not Eligible	
209	Public Quarters	1918	Not Eligible	
223	Thrift Store	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
225	Naval Technical Training Center	1919	Eligible	
253	Mustin Beach Officer's Club	1918	Eligible	
260	Delicatessen/Package Store	1918	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
260-A	NEX Mini Mart		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
302	Finger Pier	1940	Not Eligible	
302-C	Quaywall	1941	Not Eligible	
303	Allegheny Pier	1940	Contributing	Pensacola Naval Air Station National Historic Landmark
303-A	Quaywall	1940	Not Eligible	
317	PWC Utility Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
322	OCS Uniform Store	1918	Contributing	Pensacola Naval Air Station National Historic Landmark
332-A	Parade/Drill Field	1941	Contributing	Annapolis of the Air Historic District
377	Storehouse	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
378	Storehouse	1837	Contributing	Pensacola Naval Air Station National Historic Landmark
384	Seawall	1931	Contributing	Pensacola Naval Air Station National Historic Landmark
391	Magazine	1940	Not Eligible	
409	Detached Garage	1928	Not Eligible	
423	Combined Federal Campaign	1945	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
441	Detached Garage QTRS A/Storage	1938	Contributing	Pensacola Naval Air Station National Historic Landmark
447	Ready Service Magazine	1941	Not Eligible	
456	PWC Utilities	1942	Not Eligible	
458	Engineering Building	1942	Contributing	Naval Hospital Historic District
458-A	Storage	1942	Contributing	Naval Hospital Historic District
461	Printing Plant	1944	Not Eligible	
462	Armory	1945	Not Eligible	
463	Officer's Club/Employee Lounge	1943	Eligible	
464	Public Quarters	1942	Not Eligible	
467	Warehouse	1942	Not Eligible	
470	Exchange Store-Filling Station Office	1942	Non-Contributing	Annapolis of the Air Historic District
474	Gatehouse	1942	Contributing	Pensacola Naval Air Station National Historic Landmark
475	Electronic Ground Maintenance Shop	1943	Not Eligible	
478-A	Inert Storage/Magazine	1942	Not Eligible	
480	CNET Storage Grounds Crew	1943	Contributing	Naval Hospital Historic District
488	NOMI Headquarters	1945	Not Eligible	
495-G	A.C. Read Golf Course		Eligible (portions of golf courses)	
497	Storage	1951	Not Eligible	
498	Material Storage/Administrative Offices	1951	Not Eligible	
600	Bachelor Officer's Quarters	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
600-A	Officer Snack Stand	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
600-B	Garbage House	1938	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
601	AOC Quarters w/mess	1936	Contributing	Annapolis of the Air Historic District
602	AOC Quarters w/mess	1936	Contributing	Annapolis of the Air Historic District
603	DFAS/SPAWAR/Administrative Offices	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
604	NARF SHPS/PLTG Facility/Offices	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
605	NARF MF/Repair	1937	Contributing	Pensacola Naval Air Station National Historic Landmark
606	Gymnasium/Theater	1937	Contributing	Chevalier Field Hangars Historic District
607	Automobile Hobby Shop	1937	Contributing	Chevalier Field Hangars Historic District
610	Magazine	1937	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
611	Magazine	1937	Not Eligible	
612	Magazine/High Expl.	1937	Not Eligible	
623	NASC	1939	Contributing	Annapolis of the Air Historic District
624	Supply Department	1939	Contributing	Annapolis of the Air Historic District
624-A	Administrative Storage	1939	Non-Contributing	Annapolis of the Air Historic District
625	Administrative Offices	1939	Contributing	Annapolis of the Air Historic District
625-B	Family Service Center	1941	Contributing	Annapolis of the Air Historic District
625-C	Supply Department	1942	Contributing	Annapolis of the Air Historic District
625-D	Administrative Offices	1942	Contributing	Annapolis of the Air Historic District
626	AOC Quarters w/o Mess Etc.	1939	Contributing	Annapolis of the Air Historic District
626-A	NASP Veternary Clinic	1939	Contributing	Annapolis of the Air Historic District
627	Playing Courts - Indoor	1939	Contributing	Chevalier Field Hangars Historic District
628	CNET Administration Building	1942	Contributing	Naval Hospital Historic District
628-A	Unknown		Contributing	Naval Hospital Historic District
628-B	Flagpole	1940	Contributing	Naval Hospital Historic District
630	Exchange Retail Store	1940	Non-Contributing	Chevalier Field Hangars Historic District
631	Academic Instruction	1940	Contributing	Chevalier Field Hangars Historic District
631-A	Unknown		Non-Contributing	Chevalier Field Hangars Historic District
632	Recreation Bldg.	1940	Eligible	
633	NASC Naval Aviation School	1941	Contributing	Annapolis of the Air Historic District
634	Navy Exchange/Chapel/Storage/SCL	1940	Contributing	Annapolis of the Air Historic District
634-B	Substation/Switch House	1942	Contributing	Annapolis of the Air Historic District
635	NIS Office	1940	Contributing	Annapolis of the Air Historic District
636	Bachelor Housing Storage	1940	Contributing	Pensacola Naval Air Station National Historic Landmark
636-A	Unknown		Contributing	Pensacola Naval Air Station National Historic Landmark
639	Radio Transmitter/Distributer Central Headquarters	1941	Not Eligible	
639-A	Communications Equipment Storage	1943	Not Eligible	
639-C	Radio Transmitter Tower	1941	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
639-D	Radio Transmitter Tower	1941	Not Eligible	
639-E	Radio Transmitter Tower	1941	Not Eligible	
646	HRO	1941	Contributing	Pensacola Naval Air Station National Historic Landmark
648	Dynamatic Components	1941	Not Eligible	
649	Dynamatic Component Rework	1941	Not Eligible	
664	Residence in Aerospace	1942	Contributing	Naval Hospital Historic District
665	NOMI Academics Aviation Medicine	1941	Contributing	Naval Hospital Historic District
667	Community Center	1941	Not Eligible	
670	Gasoline Pump Houset	1941	Not Eligible	
671	AV Water Survival Training Facility	1941	Not Eligible	
672	Survival Training Facility	1941	Not Eligible	
673	Magazine/Subsurface	1941	Not Eligible	
679	College Center	1942	Eligible	
680	Personnel Support Detachment	1942	Contributing	Annapolis of the Air Historic District
697	Firehouse No. 2	1942	Not Eligible	
702	Maintenance Shop	1942	Not Eligible	
703	Magazine/Subsurface	1941	Not Eligible	
705	Magazine/Small Arms	1943	Not Eligible	
707	Fuel Oil Pumping Station	1942	Not Eligible	
708-B	Bulkhead	1943	Not Eligible	
708-C	Boat Launching Ramp	1943	Not Eligible	
708-G	Truck Scales	1942	Not Eligible	
709-A	Bus Stop Shelter	1942	Not Eligible	
709-D	Engineering Lab	1948	Not Eligible	
710	NCIS Administrative Office	1943	Contributing	Annapolis of the Air Historic District
715-I	Inert Storage/Magazine	1945	Not Eligible	
735	NPWC Housing Office	1944	Not Eligible	
738	Administrative Offices	1943	Contributing	Pensacola Naval Air Station National Historic Landmark
740	Supply Department	1944	Not Eligible	
741	Training Building	1944	Not Eligible	
743	JOAP Administrative Spaces	1944	Not Eligible	
780	Oil Analysis Lab	1951	Not Eligible	
781	General Warehouse Ready Issue	1954	Not Eligible	
797	Printing Plant/Warehouse	1953	Not Eligible	
1500	Naval School of Photography	1939	Contributing	Fort Barrancas Cantonment Historic District

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
1504	Chapel	1937	Contributing	Fort Barrancas Cantonment Historic District
1518	ROICC Inspector's Office	1910	Non-Contributing	Fort Barrancas Cantonment Historic District
1519	Terminal Equipment Building	1936	Contributing	Fort Barrancas Cantonment Historic District
1523	Security	1935	Contributing	Fort Barrancas Cantonment Historic District
1524	Navy Exchange Central Warehouse	1943	Contributing	Fort Barrancas Cantonment Historic District
1534	Security Department	1910	Contributing	Fort Barrancas Cantonment Historic District
1536	Navy Exchange Warehouse	1908	Non-Contributing	Fort Barrancas Cantonment Historic District
1538	Pest Control	1903	Contributing	Fort Barrancas Cantonment Historic District
1565	Storehouse	1907	Contributing	Fort Barrancas Cantonment Historic District
1567	Security	1940	Contributing	Fort Barrancas Cantonment Historic District
1579	Storage	1870	Contributing	Fort Barrancas Cantonment Historic District
1580	Storehouse	1918	Contributing	Fort Barrancas Cantonment Historic District
1591	Housing Storage and Repair	1918	Non-Contributing	Fort Barrancas Cantonment Historic District
1644	Laundry	1940	Not Eligible	
1695	Storage/FMO	1940	Not Eligible	
1707	Storehouse	1940	Not Eligible	
1735	Navy Exchange Warehouse	1918	Not Eligible	
1750	Recreation Maintenance Building	1929	Contributing	Fort Barrancas Cantonment Historic District
1753	Storage	1918	Contributing	Fort Barrancas Cantonment Historic District
1754	Facilities Management Administrative Offices	1905	Contributing	Fort Barrancas Cantonment Historic District
1776	Storage Building/Golf Course	1952	Not Eligible	
1785	PWC Utilities Facility		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1789	Public Quarters Enlisted Men	1956	Not Eligible	
1790	Public Quarters Enlisted Men	1956	Not Eligible	
1791	Public Quarters Enlisted Men	1956	Not Eligible	
1792	Public Quarters Enlisted Men	1956	Not Eligible	
1793	Public Quarters Enlisted Men	1956	Not Eligible	
1794	Public Quarters Enlisted Men	1956	Not Eligible	
1795	Public Quarters Enlisted Men	1956	Not Eligible	
1796	Public Quarters Enlisted Men	1956	Not Eligible	
1797	Public Quarters Enlisted Men	1956	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
1798	Public Quarters Enlisted Men	1956	Not Eligible	
1799	Public Quarters Enlisted Men	1956	Not Eligible	
1800	Public Quarters Enlisted Men	1956	Not Eligible	
1801	Public Quarters Enlisted Men	1956	Not Eligible	
1808	Reviewing Stand	1956	Contributing	Annapolis of the Air Historic District
1809	Phone Equipment Building and System	1955	Not Eligible	
1811	Aerospace Medical RD/Testing/Offices	1956	Not Eligible	
1813	Aviation Pattern/Tool Storage	1956	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1824	Levee/Main Station	1924	Contributing	Pensacola Naval Air Station National Historic Landmark
1825	Small Craft Fueling Station	1941	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
1839	Retaining Wall	1944		
1842	Retaining Wall	1827	Not Eligible	
1843	Retaining Wall	1827	Not Eligible	
1844	Retaining Wall	1954		
1845	Retaining Wall	1827	Contributing	Naval Hospital Historic District
1846	Retaining Wall	1827	Contributing	Naval Hospital Historic District
1847	Retaining Wall	1827		
1848	Retaining Wall	1827		
1849	Retaining Wall	1900	Eligible	
1851	Golf Course Maintenance Shop	1942	Not Eligible	
1852	Operation Building-Control Tower	1955	Not Eligible	
1853	Maintenance Hangar	1955	Not Eligible	
1854	Maintenance Hangar	1955	Not Eligible	
1865	Guardhouse	1941	Not Eligible	
1867	Golf Course Pumphouse	1948	Not Eligible	
1875	Vehicular Bridge/Concrete	1945	Not Eligible	
1878	Aircraft Fire-Crash Station Emergency Building	1955	Not Eligible	
1879	Aircraft Truck Fueling Facility	1954	Not Eligible	
1880	Tank Truck Loading Facility	1956	Not Eligible	
1880-A	Refueling Pantograph	1957	Not Eligible	
1881	Bus Stop Shelter	1953	Not Eligible	
1889	Fueling Pier	1955	Not Eligible	
1891	Storage Building	1953	Not Eligible	
1892	Communications Receiver Building	1955	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
1893	Transmitter Building	1955	Not Eligible	
1901	Emergency Generator Building	1955	Not Eligible	
1902	Emergency Generator Building	1955	Not Eligible	
1907	Starbase Atlantis	1957	Not Eligible	
1908	Small Arms Range-Outdoor	1956	Not Eligible	
1909	Ready Service Magazine	1956	Not Eligible	
1910	Ready Service Magazine	1956	Not Eligible	
1911	Ready Service Magazine	1956	Not Eligible	
1912	Ready Service Magazine	1956	Not Eligible	
1913	Ready Service Magazine	1956	Not Eligible	
1914	Ready Service Magazine	1956	Not Eligible	
1917	TACAN Building	1957	Not Eligible	
1919	Housing Storage	1942	Not Eligible	
1927	Recreational Dock	1956	Not Eligible	
1928	Recreational Dock	1956	Not Eligible	
1929	Recreational Dock	1956	Not Eligible	
1930	Recreational Dock	1956	Not Eligible	
1933	Recreational Dock	1956	Not Eligible	
1936	Outboard Fueling Building	1956	Not Eligible	
1945	Tetrahedron	1955	Not Eligible	
1950	Unknown		Non-Contributing	Naval Hospital Historic District
1958	Air Conditioning Plant	1965	Non-Contributing	Naval Hospital Historic District
1976	Navy Exchange Gasoline Dispensing Facility	1960	Non-Contributing	Annapolis of the Air Historic District
1980	Bus Stop Shelter	1952	Non-Contributing	Fort Barrancas Cantonment Historic District
1982	Memorial Chapel	1961	Non-Contributing	Annapolis of the Air Historic District
1993	Unknown	1955	Not Eligible	
1997	Substation	1950	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
2644	Tool Storage Shed	1955	Not Eligible	
2645	Shed for Gas Tank Truck Lodge	1955	Not Eligible	
2685	Vehicular Bridge/Wood/Metal	1940	Not Eligible	
2687	Reviewing Stand	1963	Non-Contributing	Annapolis of the Air Historic District
2688	Reviewing Stand	1963	Non-Contributing	Annapolis of thc Air Historic District
3205	Volleyball Court	1963	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3259-D	Liquid Oxygen/Nitrogen Facility	1957	Not Eligible	

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
3264	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3265	PWC Utilities Building		Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
3266	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3270	Lighthouse Keepers' Quarters	1859	Individually Listed	Pensacola Lighthouse and Keeper's Quarters (NRHP 1974)
3287	Tennis Court	1925	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3291	Unknown		Non-Contributing	Annapolis of the Air Historic District
3378	Recreation Pavilion	1973	Non-Contributing	Fort Barrancas Cantonment Historic District
3434	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3435	PWC Utilities Building		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3453	Playing Field	1971	Non-Contributing	Fort Barrancas Cantonment Historic District
3461	Electrical Equipment		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3479	Disaster Preparedness Office	1950	Not Eligible	
3479-A	Generator House	1950	Not Eligible	
3601	Bus Shelter	1983	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3650	Bus Shelter	1986	Non-Contributing	Billingsley Drive/Cabaniss Crescent Historic District
3851	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3852	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3855	North Gate House to Pier 303	1991	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3856	South Gate House to Pier 303	1991	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3860	Survival Training/Air Force/NASC	1997	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
3862	Kennel	1992	Non-Contributing	Fort Barrancas Cantonment Historic District
3930	Industries Building (Brig)	1995	Non-Contributing	Annapolis of the Air Historic District
3937	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3938	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3941	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
3942	Boiler	1998	Non-Contributing	Annapolis of the Air Historic District
4092	Unknown		Non-Contributing	Pensacola Naval Air Station National Historic Landmark

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
Q- 1 (QTRS A)	Quarters CNT COM Q-1	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 2 (QTRS I)	Quarters Chief of Staff CNT Q-2	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 2E (QTRS I-E)	Servants Quarters Q-2E	1920	Non-Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 3 (QTRS G)	Quarters NAS Q-3	1877	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 3G (QTRS GG)	Servants Quarters Q-3G	1921	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 4 (QTRS B)	Quarters CNAT COM Q-4	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 4C (QTRS BC)	Servants Quarters Q-4C	1922	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 5 (QTRS D)	Quarters Flag Officers Q-5	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 6 (QTRS H)	Chief Naval Training Supply Q-6	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 6C (QTRS HC)	Servants Quarters Q-6C	1939	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 7 (QTRS K)	Senior Officers Quarters Q-7	1875	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 7E (QTRS KE)	Garage Q-7E	1939	Contributing	Pensacola Naval Air Station National Historic Landmark
Q- 8 (QTRS M)	Quarters CNAT Chief of Staff Q-8	1874	Contributing	Pensacola Naval Air Station National Historic Landmark
Q-12 (QTRS B-)	Senior Officers Quarters Q-12	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-13 (QTRS C-C)	Senior Officers Quarters Q-13	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-14 (QTRS D-D)	Senior Officers Quarters Q-14	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-15 (QTRS E-E)	Senior Officers Quarters Q-15	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-16 (QTRS F-F)	Senior Officers Quarters Q-16	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-17 (QTRS G-G)	Commanding Officer Public Works Center Q-17	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-18 (QTRS H-H)	Senior Officers Quarters Q-18	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-19 (QTRS I-I)	Senior Officers Quarters Q-19	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-20 (QTRS K-K)	Senior Officers Quarters Q-20	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-21 (QTRS L-L)	Senior Officers Quarters Q-21	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-22 (QTRS M-M)	Senior Officers Quarters Q-22	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-23 (QTRS N-N)	Officers Quarters Q-23	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-24 (QTRS O-O)	Officers Quarters Q-24	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-25 (QTRS P-P)	Officers Quarters Q-25	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
Q-26 (QTRS Q-Q)	Officers Quarters Q-26	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-27 (QTRS R-R)	Officers Quarters Q-27	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-28 (QTRS S-S)	Officers Quarters Q-28	1937	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-29 (QTRS T-T)	Officers Quarters Q-29	1939	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-30 (QTRS U-U)	Officers Quarters Q-30	1940	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
Q-31 (QTRS V-V)	Officers Quarters Q-31	1940	Contributing	Billingsley Drive/Cabaniss Crescent Historic District
QTRS 33	Senior Officers Quarters	1928	Contributing	Fort Barrancas Cantonment Historic District
QTRS 33A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 34	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 34A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 35	Senior Officers Quarters	1850	Contributing	Fort Barrancas Cantonment Historic District
QTRS 35A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 36	Senior Officers Quarters	1906	Contributing	Fort Barrancas Cantonment Historic District
QTRS 36A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 37	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 37A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 39	Junior Officer Quarters	1840	Contributing	Fort Barrancas Cantonment Historic District
QTRS 39A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 40	Officers Quarters	1904	Contributing	Fort Barrancas Cantonment Historic District
QTRS 41	Quarters of Commanding Officer NAVAVSCOLSCOM	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 42	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 42A	Garage	1935	Non-Contributing	Fort Barrancas Cantonment Historic District
QTRS 43	Senior Officers Quarters	1870	Contributing	Fort Barrancas Cantonment Historic District
QTRS 43A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 45	Quarters of Commanding Officer NCTC	1906	Contributing	Fort Barrancas Cantonment Historic District
QTRS 45A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 46	Senior Officers Quarters	1903	Contributing	Fort Barrancas Cantonment Historic District

Recorded Historic Resources				
Building No.	**Current Name**	**Date**	**NRHP Status**	**Historic District, if applicable**
QTRS 46A	Garage	1935	Contributing	Fort Barrancas Cantonment Historic District
QTRS 47	Junior Officer Quarters	1894	Contributing	Fort Barrancas Cantonment Historic District
QTRS 48	Junior Officer Quarters	1905	Contributing	Fort Barrancas Cantonment Historic District
QTRS 49	Junior Officer Quarters	1905	Contributing	Fort Barrancas Cantonment Historic District
QTRS 50	Junior Officer Quarters	1903	Contributing	Fort Barrancas Cantonment Historic District
QTRS 51	Junior Officer Quarters	1902	Contributing	Fort Barrancas Cantonment Historic District
QTRS 52	Junior Officer Quarters	1902	Contributing	Fort Barrancas Cantonment Historic District
QTRS 53	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 54	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 55	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 56	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 57	Officers Quarters/2 Apartments	1939	Contributing	Fort Barrancas Cantonment Historic District
QTRS 58	Officers Quarters	1910	Contributing	Fort Barrancas Cantonment Historic District

SUPPORTING DOCUMENTS

Archeological Resources

Recorded Archaeological Resources		
Site Number/Name	**Site Type (taken from site form)**	**NRHP status**
8ES17/Ft. San Carlos de Barrancas	Building & associated archaeological deposits (17th through 20th centuries)	Listed – now managed by National Park Service
8ES64/Old Pensacola Lighthouse	Structure (lighthouse) & archaeological remains of keeper's residence (19th century)	Eligible
8ES65/Civil War Battery	Historic earthworks, historic artifact scatter and refuse, military, historic cemetery (19th century)	Potentially eligible
8ES66/Ft. Redoubt	Archaeological deposits associated with brick and earth-filled fort (19th century)	Listed – now managed by National Park Service
8ES68/communication trench	Historic trench (19th century)	Unknown – consider eligible until determined otherwise
8ES69/earthworks	Historic earthworks (19th century)	Unknown – consider eligible until determined otherwise
8ES103/NAS Pensacola Historic District	Historic district & associated archaeological deposits (19th & 20th centuries)	Listed
8ES104/Pensacola Lighthouse and Keeper's Quarters	Structure(lighthouse) & associated archaeological deposits (19th century)	Listed
8ES126/Gun Emplacement #17	Confederate battery (19th century)	Unknown – consider eligible until determined otherwise
8ES1050/NAS #1	Artifact scatter (Mississippian and 19th century)	Unknown – consider eligible until determined otherwise
8ES1051/Magazine Point NAS	Artifact scatter (Mississippian) & possibly historic RR remnants	Unknown – consider eligible until determined otherwise
8ES1052/Magnolia Ridge Site	Artifact scatter, midden, shell midden (Paleoindian or Archaic, Woodland, and Mississippian)	Unknown (recommended potentially eligible 1989; recommended eligible 1996)
8ES1264/PennAir	Artifact scatter, shell midden (Mississippian)	Potentially eligible

Recorded Archaeological Resources		
Site Number/Name	**Site Type (taken from site form)**	**NRHP status**
8ES1280/Hickory Ridge Site	Mississippian cemetery, artifact scatter & shell midden (Woodland a& Mississippian), historic refuse (19th century)	Listed
8ES1281/Back gate site	Artifact scatter & shell midden (Woodland & Mississippian), historic refuse (20th century)	Unknown – consider eligible until determined otherwise
8ES1354/Ft. San Carlos de Austria	Archaeological remains of wooden fort and associated Spanish village (16th through 20th centuries)	Eligible
8ES1411/Artillery battery	Historic earthwork, military (19th century)	Unknown – consider eligible until determined otherwise
8ES1412/Barracks (shown on NAS map as 8ES1402)	Artifact scatter, historic refuse, military barracks (19th century)	Unknown – consider eligible until determined otherwise
8ES1413/Barracks stairs	Historic stairs, artifact scatter, historic refuse (19th century)	Unknown – consider eligible until determined otherwise
8ES1414/Barrancas Barracks 1861	Barracks & associated archaeological deposits (19th century)	Unknown – consider eligible until determined otherwise
8ES1415/Cemeteries A, B, C	Historic cemeteries (? Century)	Unknown – consider eligible until determined otherwise
8ES1416/Cemetery D	Historic cemetery (19th and 20th centuries)	Unknown – consider eligible until determined otherwise
8ES1417/Chaseville	Artifact scatter (19th century)	Unknown – consider eligible until determined otherwise
8ES1418/Commodore's Pond Timbers	Redeposited timbers (? century)	Potentially eligible
8ES1419/Gonzalez Bricks	Artifact scatter, historic refuse, Gonzalez bricks (19th century)	Unknown – consider eligible until determined otherwise
8ES1420/Gonzalez House 1840s	Homestead (19th century)	Unknown – consider eligible until determined otherwise

Recorded Archaeological Resources		
Site Number/Name	**Site Type (taken from site form)**	**NRHP status**
8ES1421/Bayou Grande Homesteads	Homestead (19th & 20th centuries)	Coordination underway?
8ES1422A&B/Pleasant Grove Homesteads	Artifact scatter & historic refuse, homestead (19th & 20th centuries)	Coordination underway?
8ES1423/Klinglesmith site	Artifact scatter & shell midden (Mississippian)	Unknown – consider eligible until determined otherwise
8ES1424/MS regiment Encampment	Artifact scatter & campsite (19th century)	Unknown – consider eligible until determined otherwise
8ES1425/NAS#4	Artifact scatter (Woodland), lithic scatter (unknown prehistoric), historic refuse (? century)	Unknown – consider eligible until determined otherwise
8ES1426/NAS#5	Artifact scatter & historic refuse, military (19th century)	Unknown – consider eligible until determined otherwise
8ES1427/NAS#6	Artifact scatter (possibly Woodland)	Unknown – consider eligible until determined otherwise
8ES1428/NAS#7	Artifact scatter, historic refuse, military (19th & 20th centuries)	Unknown – consider eligible until determined otherwise
8ES1429/NAS#8	Historic earthworks, historic refuse (19th century)	Unknown – consider eligible until determined otherwise
8ES1430/NAS#9	Historic reuse & artifact scatter, homestead (19th century)	Unknown – consider eligible until determined otherwise
8ES1431/NAS#10	Historic refuse, well (? century)	Unknown – consider eligible until determined otherwise
8ES1432/NAS#11	Artifact scatter (Woodland and 19th century)	Recommended not eligible (2000)
8ES1433/NAS#12	Artifact scatter (Woodland & Mississippian), historic refuse, military (19th & 20th century)	Unknown – consider eligible until determined otherwise

Recorded Archaeological Resources		
Site Number/Name	**Site Type (taken from site form)**	**NRHP status**
8ES1434/Naval Hospital 1834	Artifact scatter & historic refuse (19th & 20th centuries)	Unknown – consider eligible until determined otherwise
8ES1435/Old Hospital	Historic hospital refuse (20th century)	Unknown – consider eligible until determined otherwise
8ES1436/Warrington	Artifact scatter, midden, historic refuse, homestead, military (unknown period)	Potentially eligible
8ES1437/Pigeye Settlement	Artifact scatter & historic refuse, sawmill/settlement (19th & 20th centuries)	Unknown – consider eligible until determined otherwise
8ES1438/Quarters #39	Building & associated archaeological deposits (19th century)	Unknown – consider eligible until determined otherwise
8ES1439/Sand Batteries	Historic earthworks, military (19th century)	Unknown – consider eligible until determined otherwise
8ES1440/Sherman Cove	Artifact scatter (Woodland & Mississippian)	Unknown – consider eligible until determined otherwise
8ES1441/Trash Dump 1870s	Historic refuse dump (19th century)	Unknown – consider eligible until determined otherwise
8ES1442/Union Cavalry Encampment	Artifact scatter & historic refuse, military (19th century)	Unknown – consider eligible until determined otherwise
8ES1443/Well	Historic refuse, well (19th century)	Unknown – consider eligible until determined otherwise
8ES1444/Woosley	Historic refuse (18th through 20th centuries)	Unknown – consider eligible until determined otherwise
8ES1445/Woosley Courts	Artifact scatter & historic refuse, building remains (20th century)	Unknown – consider eligible until determined otherwise
8ES1530/Bldg 3608 Archaeological Site	Shell midden/campsite (Unknown prehistoric)	Potentially eligible

Recorded Archaeological Resources		
Site Number/Name	**Site Type (taken from site form)**	**NRHP status**
8ES1531/Military Campsite	Historic campsite (possibly 19th century)	Coordination underway
Caisson/Brodie's Wharf	Caisson (19th century)	Unknown – consider eligible until determined otherwise
Weeden Is/Ft. Walton	Midden (Woodland)	Unknown – consider eligible until determined otherwise
8ES2939/Navy Yard	Multicomponent occupation (Woodland, 19th & 20th centuries)	Potentially eligible
8ES2969	Multicomponent occupation/village(Woodland & historic period artifacts - ? century)	Potentially eligible
8ES2971	Midden (19th & 20th centuries)	Potentially eligible

SUPPORTING DOCUMENTS

Hazardous Materials Inventory

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
NASBF	6131	1	a		X		X	Aerosol Cans	Bronson Maintenance Shop	Dale Foster	453-2129
			b		X		X	Used Oil			
			c	070	X		X	Oil Filters			
			d	017	X		X	Oil Rags			
			e	018	X		X	Spill Debris			
			f		X		X	Anti-freeze			
NASCHF	0	1	a			X		Unknown at this time			
NASCF	504	1	a	174		X		Oil w/ Freon	Hill/Griffin Maintenance	Tom Jackson	452-6335
			b	080		X		Fluorescent Bulbs			
			c			X		Old Ballasts			
NASCF	516	1	a	036		X		Anti-freeze			
NASCF	517	1	a	080	X		X	Fluorescent Bulbs	Hill/Griffin Maintenance	Tom Jackson	
			b				X	Oil w/ Freon			
			c				X	Lead Acid Batteries			
			d				X	PCB Ballast			
			e		X		X	Oil Rags			
			f		X		X	Spill Debris			
NASCF	1082	1	a	176		X		Aerosol Cans			
NASCF	2268	1	a		X		X	Fluorescent Bulbs	Naval Hospital (Hill/Griffin is POC)	Otis Graham	505-6502
			b		X		X	Paint			
NASCF	3719	1	a			X		X-Ray Fixer	Dental Clinic		
NASCF	3749	1	a	036			X	Anti-freeze	Urrutia	Dale Philips or Paul Wallis	982-7073
			b	176			X	Aerosol Cans			
			c	040			X	Oil/Gas/Water			
			d	070			X	Oil Filters			
			e				X	Spill Debris			
			f	017	X		X	Oil Rags			
			g		X		X	Used Oil			
NASCF	3778	1	a	070			X	Oil Filters	NEX Tire Center	Sonny Martin	453-5886
		2	a	036			X	Anti-freeze			
			b	176			X	Aerosol Cans			
			c	018			X	Spill Debris			
NASP	Fire House	1	a		X		X	Used Oil	Greenhut Contruction (new Fire House Construction)	Kenneth Humphries	458-0075
			b		X		X	Waste Paint			
			c		X		X	Paint Rags			
			d		X		X	Paint Filters			
			e		X		X	Aerosol Cans			
			f		X		X	Spill Debris			
NASP	27	1	a	031			X	Photo Fixer	Photo Lab	Jeff Doty	452-4641
			b	032			X	Photo Developer			
NASP	38	1	a	036			X	Anti-freeze	Port Operations	Bob Bailey	452-3988
			b				X	Oil/JP-5 Fuel			
			c				X	Oil/Fuel Filters			
			d	017			X	Oil Rags			

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NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			e	011		X		Paint			
NASP	51	1	a				X	Fire Extinguisher Powder	Fire Station	Jim Malaney	452-3562
NASP	73	1	a				X	Used Oil	Port Operations	Bob Bailey	452-3988
NASP	225	1	a		X		X	Oil Rags	Dimensions International	~~OJ Wicker (Primary)~~ Marc (After-hours) RUSSELL SCONE	452-3715 232-8884
			b		X		X	Paint Rags and Liners			
			c		X		X	Used Oil			
			d		X		X	Waste Paint/Thinner			
			e		X		X	Waste Diesel			
			f		X		X	Waste Anti-Freeze			
			g		X		X	Spill Debris			
			h		X		X	Aerosol Cans			
NASP	253	1	a	003			X	Sterno Cups	Officers Club	Calvin Somerville	455-2276
NASP	303	1	a			X		Waste from ships	Alpha Pier		
NASP	458	1	a		X		X	Used Oil	Hill/Griffin Maintenance Shop	John Hurst	452-4384
			b		X		X	Anti-Freeze			
			c		X		X	Oil Filters			
			d		X		X	Spill Debris			
NASP	470	1	a	018			X	Spill Debris	NEX Gas Station	Keith Spradlin	458-3219
			b	070			X	Oil Filters			
		2	a				X	Used Oil			
			b	070			X	Oil Filters			
		3	a	073			X	Mineral Spirits			
			b		X		X	Fuel Filters			
		4	a	036			X	Anti-freeze			
			b	176			X	Aerosol Cans			
			c		X		X	Fuel Filters			
NASP	600	1	a		X		X	Fluorescent Bulbs	Bachelor Housing	(Pri.) Scott Cox or (Alt.)Lionell Williams	452-3626
NASP	604	1	a	176			X	Aerosol Cans	NAS Museum	Philip McCarver	452-3604
			b	017			X	Oil Rags			
			c	018			X	Spill Debris (NonHaz)			
			d				X	Blast Media			
		2	a		X		X	Fluorescent Bulbs	MATSG 21	Sgt. Diaz	452-2702
NASP	605	1	a	099			X	Paint (Latex)	NAS Museum	Philip McCarver	452-3604
			b	011			X	Paint			
			c	069			X	Paint Rags			
NASP	607	1	a	176			X	Aerosol Cans	Auto Hobby Shop	John Denny	452-7815
			b	036			X	Anti-freeze			
			c	070			X	Oil Filters			
			d			X		Used Oil (convault)			
			e			X		PD 680			
			f	018			X	Spill Debris			
			g		X		X	Fuel Filters			
NASP	630	1	a	031			X	Photo Fixer/Developer	NEX Photo Lab	Andrea Lowery or Sue Baragona	458-8874 ext.520
			b	170			X	Photo Waste Canisters			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			c	170			X	Photo Waste Filters		Joe Daragona	
NASP	632	1	a	176			X	Aerosol Cans	MWR Gym	N. Quillian	452-2317
			b	155			X	Batteries (Lead Acid)			
NASP	639	1	a	041		X		Batteries (NiCAD)	Ground Electronics		
NASP	685	1	a		X		X	Aerosol Cans	Supply Bachelor Housing	Namon Thompson	452-2909
			b		X		X	Fluorescent Bulbs			
NASP	781	1	a		X		X	Used Oil	NEX Supply Warehouse	Warren Harding	452-3328
			b	018	X		X	Spill Debris			
NASP	782	1	a		X	X		Used Oil	Old Power Plant	Bill Klepac	?
			b		X	X		Oil Rags			
			c		X	X		Spill Debris			
			d		X	X		Paint Chips (Lead)			
			e		X	X		Mercury Switches & Thermostats			
			f		X	X		PCB Ballast			
			g		X	X		Exit Signs			
			h		X	X		Fluorescent Bulbs			
NASP	1538	1	a		X		X	Aerosol Cans (Pesticide)	Pest Control	Marty Ham	452-4581
			b		X		X	Spill Debris w/Pesticide			
			c		X		X	Pesticides			
NASP	1771	1	a				X	Used Oil	Transportation	Beau Rodrique	452-2218
		2	a	176			X	Aerosol Cans			
			b			X		Asbestos Brake Shoes			
		3	a				X	Used Oil			
			b	070			X	Oil Filters			
			c	036			X	Anti-freeze			
			d	018			X	Spill Debris			
			e	049			X	Fuel Filters			
		4	a	007			X	Paint			
		5	a	036			X	Anti-freeze			
			b	176			X	Aerosol Cans			
NASP	1853	1	a	017			X	Oil Rags	L-3 Aerotech (T-39)	Ted Rhodes	452-8453
			b	036			X	Anti-Freeze			
			c				X	Oil/Hydraulic/Fuel Filters			
			d	027			X	Paint Rags			
			e	018	X		X	Spill Debris		Stan Cates	456-3787
			f	029	X		X	Alodine Rags			
		2	a	011			X	Paint			
			b		X	X		Oil Rags			
		3	a				X	Aerosol Cans (Non-Paint)			
			b		X	X		Used Oil			
		4	a				X	Used Oil (convault)	L-3 Aerotech (T-34)	Austin Peterson	456-4049
		5	a	017			X	Oil Rags			
			b	011	X	X		Paint			
			c	027	X	X		Paint Rags			
			d	029	X	X		Alodine Rags			
			e		X		X	Used Oil			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
		6	a			X		Used Oil			
			b				X	Alcohol/Toulene/NAPTHA			
			c		X		X	Alcohol/Toulene/NAPTHA Rags			
		7	a	018			X	Spill Debris	L-3 Aerotech (T-6)	Howard Kistler	452-3636
			b	017			X	Oil Rags			
		8	a				X	Alcohol			
			b				X	Petroleum Oils			
		10	a		X		X	Fluorescent Bulbs	VT Squadron 10	Matthew Hendrickson	452-2729
NASP	1854	1	a	027		X		Paint Rags	Sikorsky (6/03: Sites 1-5 moved to building 3580)	Richard Lindsey	452-4666
		2	a	071		X		Paint			
			b			X		Used Oil			
		3	a	057		X		Paint Filters			
		4	a	023		X		Lead Acid Water			
		5	a	014		X		Parts Washer Sludge			
			b	036		X		Anti-Freeze			
			c	070		X		Oil Filters			
			d			X		Oil Rags			
		6	a	070			X	Oil Filters	Blue Angels	Kip Lewis Eddie Ruiz	452-2466 x155 452-2466 x140
			b	017			X	Oil Rags			
		7	a			X		Used Oil			
			b		X		X	Waste JP-8			
		8	a	007			X	Paint			
			b	027			X	Paint Rags			
		9	a	017			X	Oil Rags	Sikorsky	Carl Plowman	452-2854
			b	018			X	Spill Debris (oil & fuel)			
NASP	1931	1	a				X	Waste JP-8	Sikorsky	Pete Cappo	452-2160
NASP	1936	1	a	040			X	Oil/Gas	Sherman Cove Marina	Chris Stepp	232-0374
			b		X		X	Used Oil			
			c		X		X	Oil Rags			
			d		X		X	Oil Filters			
			e		X		X	Spill Debris			
			f		X		X	Aerosol Cans			
NASP	2600	1	a				X	Used Oil	Transient Line	Andy Hansen Dave Christensen	452-2672 452-9458
			b	017			X	Oil Rags			
NASP	2644	1	a				X	Used Oil	DOS Aviation	Mike Shepherd J.D. Gaither	452-8650 452-8658
			b	070			X	Oil Filters			
			c	017			X	Oil Rags			
			d	018			X	Spill Debris			
NASP	2691	1	a	018			X	Spill Debris	Golf Maintenance	Al Whorff	452-2555
			b				X	Used Oil			
NASP	3211	1	a				X	Used Oil	Bowling Alley	Greg Heck	452-4630
			b	176			X	Aerosol Cans			
NASP	3215	1	a	036			X	Anti-freeze	Fidelity	Kenny Portis	452-4700
			b	017			X	Oil Rags			
			c	070			X	Oil Filters			
			d				X	Used Oil			

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			e	018			X	Spill Debris			
			f				X	Aerosol Cans (Non-Paint)			
NASP	3221	1	a	031			X	Photo Fixer	NAS Museum	Philip McCarver	452-3604
			b	032			X	Photo Developer			
		2	a	027			X	Paint Rags			
			b	011			X	Paint			
		3	a	056			X	Media Blast (Al Oxide)			
		4	a				X	Stripper Rags & Paint Chips			
			b	007			X	Stripper			
		5	a	011			X	Paint			
		6	a	017			X	Oil Rags			
			b	018			X	Spill Debris			
			c				X	Oil/Gas/Water			
			d				X	Used Oil			
		7	a	069			X	Paint Rags			
		8	a	176			X	Aerosol Cans			
			b	099			X	Paint (Latex)			
			c				X	Batteries (NiCAD)			
			d				X	Old Ballasts			
		9	a	011			X	Paint	Sikorsky - SSSI	Ricki Jensen	452-3439
			b	027			X	Paint Rags			
			c	029			X	Alodine Rags			
			d	018			X	Spill Debris			
		10	a	029			X	Alodine Rags	L-3 Aerotech (T-39)	Stan Cates or Ted Rhodes, Ron Wires (on site)	452-8453 456-3787
			b	027			X	Paint Rags			
			c		X		X	Paint Chips			
		11	a	011			X	Paint			452-3351
		12	a	027			X	Paint Rags	L-3 Aerotech (T-34)	Austin Peterson	456-4049
			b	011			X	Paint			
		13	a		X		X	Used Oil	L-3 Aerotech (T-34/GSE)	Austin Peterson	456-4049
			b	070	X		X	Oil Filters			
			c	017	X		X	Oil Rags			
		14	a	007	X		X	Paint	L-3 Aerotech (T-6)	Howard Kistler	452-3636
			b	027	X		X	Paint Rags			
		15	a		X		X	Oil/Hydraulic Fluid			
			b	017	X		X	Oil Rags			
		16	a	070	X		X	Hydraulic/Oil Filters			
			b	036	X		X	Anti-Freeze			
			c		X		X	Aerosol Cans (Paint)			
			d		X		X	Fuel Filters			
NASP	3229	1	a		X		X	Coolant	NAMRL - Engineering Shop	Tommy Lacarbo	452-3206
			b		X		X	Aerosol Cans (Non-Paint)			
			c		X		X	Oil Rags			
			d		X		X	Fluorescent Bulbs			
			a	071			X	Paint		Michael Helms &	
			b				X	Used Oil			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
NASP	3244	1	c	070			X	Oil Filters	Sailing Facility	Michael Helms & Heather Daniels	452-4152
			d	017			X	Oil Rags			
			e		X		X	Fuel Filters			
NASP	3255	1	a		X		X	Used Oil	Ground Electronics	Dennis Allen Victor Groves	452-8512
			b		X		X	Oil Rags			
NASP	3260	1	a	014			X	Parts Washer Sludge	Sikorsky	Pete Cappo and Frank Eggleton	452-2160
		2	a				X	Media Blast (Al Oxide)			
		3	a				X	Oils & Teksol			
		4	a				X	Used Oil			
		5	a	048			X	PD 680 w/Cadmium			
			b	014			X	Parts Washer Sludge			
		6	a	029			X	Alodine			
			b	029			X	Alodine Rags			
		7	a	011			X	Paint			
			b	027			X	Paint Rags			
		8	a	006			X	111 Tric.			
		9	a	155			X	Batteries (Lead Acid)			
		10	a	041			X	Batteries (NiCAD)			
		15	a	042	X		X	Batteries (NiCAD)			
			b	102	X		X	Batteries (Lithium)			
			c	34	X		X	Batteries (Mercury)			
		11	a				X	Used Oil	Sikorsky - Search and Rescue	Teresa Harrison	
		12	a	071			X	Paint			
			b	018			X	Spill Debris			
			c	027			X	Paint Rags			
		13	a	069			X	Stripper Rags			
		14	a				X	Used Oil	L-3 Aertech (T-1)	Curtis Howell	452-4140
			b	017			X	Oil Rags			
NASP	3447	1	a			X		Oil Rags	MWR - Golf Course	Al Whorff	452-2555
NASP	3460	1	a				X	Media Blast (Plastic)	Mega Building	Craig Smith	452-7480
		2	a	069			X	Paint Rags			
		3	a	011			X	Paint			
			b	069		X		Paint Rags			
		4	a	183			X	TAN Test Reagent			
		5	a				X	Oil w/ Chromium			
			b				X	Dielectric Solvent			
			c			X		Alodine			
			d	029		X		Alodine Rags			
			e	080			X	Fluorescent Bulbs			
			f		X		X	Oil Rags			
			g		X		X	Gloves w/ Oil			
		6	a		X		X	Alodine			
			b		X		X	Alodine Rags			
		7	a		X		X	Recycleable Thinner			
		8	a		X		X	Paint Liners			
			a	176			X	Aerosol Cans			

SAA MASTER LIST A9-102

NAS #	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
NASP	3465	1	b	017		X		Oil Rags	NAS Museum	Philip McCarver	452-3604
			c	069			X	Paint Rags			
			d	080			X	Fluorescent Bulbs			
			e		X		X	Paint			
NASP	3467	1	a	176			X	Aerosol Cans	NEX Facilities	Douglas Manning or Eric Uptegrove	458-3246
			b	080			X	Fluorescent Bulbs			
			c			X		Old Ballasts			
			d	011			X	Paint			
			e		X		X	Used Oil			
			f		X		X	Lead-Acid Batteries			
NASP	3473	1	a		X		X	Fluorescent Bulbs	Bachelor Housing	Frank Gordon	452-4720
NASP	3480	1	a				X	Used Oil	Flight Simulator	Ron Jackson	458-7920
NASP	3482	1	a			X		Used Oil	Sherman Cove	Chris Stepp or Freddie Nelloms	232-0374
			b		X	X		Oil Rags			
			c		X	X		Oil Filters			
			d		X	X		Spill Debris			
			e		X	X		Aerosol Cans			
NASP	3495	1	a	003			X	Sterno Cups	A.C. Read Clubhouse	Gary Richie	452-2454
NASP	3496	1	a		X		X	Old Ballasts	MWR Maintenance Shop	Robert Broding	452-3688
			b	080	X		X	Fluorescent Bulbs			
			c		X		X	Aerosol Cans (Paint)			
NASP	3558	1	a	003	X		X	Sterno Cups	Lighthouse Restaurant	Pearlie Graves	452-3251
			b	176	X	X		Aerosol Cans			
			c	080	X		X	Fluorescent Bulbs			
NASP	3561	1	a	041			X	Batteries (NiCAD)	PWC Maintenance	Jeff Gullat	452-3784
		2	a				X	PCBs			
			b	080			X	Fluorescent Bulbs			
		3	a				X	Used Oil			
			b	011			X	Paint			
			c	027			X	Paint Rags			
			d		X		X	Paint Chips			
NASP	3578	1	a	017			X	Oil Rags	Air Ops.	AC2 Harris	452-2754
			b				X	Used Oil			
			c				X	Waste JP-8			
			d		X		X	PD 680			
NASP	3580	1	a				X	Paint	Sikorsky	Richard Lindsey	452-4666
			b				X	Paint Rags			
			c		X		X	Media Blast (Glass)			
			d		X		X	Oil Filters			
			e		X		X	Spill Debris			
			f		X		X	Paint Chips			
			g		X		X	Gas			
			h		X		X	Lead Acid Battery Water			
			i		X		X	Paint Booth Filters			
			j		X		X	Parts Washer Sludge/Water			
			k		X		X	Anti-Freeze			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
		2	a			X		Brake Shoes			
		3	a			X		Media Blast (Plastic)			
			b			X		Media Blast (Glass)			
		4	a			X		Paint Chips			
NASP	3585	1	a	011			X	Paint	Arresting Crew	ABE2 King	452-9226
			b				X	Used Oil			
			c	070			X	Oil Filters			
			d	017			X	Oil Rags			
			e	040			X	Oil/Gas/Water			
			f			X		Spill Debris (Hazardous)			
NASP	3609	1	a	036		X		Anti-Freeze	Urrutia	Steve Hogge	452-3723
			b			X		Deisel			
			c	070			X	Oil Filters			
			d	040		X		Used Oil			
			e	018			X	Spill Debris			
			f	176		X		Aerosol Cans			
			g		X		X	Fuel Filters			
			h		X		X	Oil/Gas			
			i		X	X		PD 680			
			j		X		X	Oil/Gas Rags			
			k		X		X	Mineral Spirits/Paint Waste			
			l		X	X		Paint Rags			
NASP	3670	1	a	011			X	Paint	Coast Guard	Brad McNeil	453-8282
		2	a	070			X	Oil Filters			
			b	017			X	Oil Rags			
NASP	3680	1	a	176			X	Aerosol Cans	Hill/Griffin Supply, Hazmat Storage BLDG	Matt Sherman	452-2114
			b	017		X		Oil Rags			
			c	011			X	Paint			
			d	080			X	Fluorescent Bulbs			
			e	155		X		Batteries (Lead Acid)			
			f		X		X	Oil w/ Freon			
		2	a		X		X	Lead-Acid Batteries			
			b		X		X	Oil Filters			
			c		X		X	Used Oil			
NASP	3695	1	a	176			X	Aerosol Cans	MWR - Golf Course	Al Whorff	452-2555
			b	036			X	Anti-freeze			
			c				X	Mineral Spirits (Paint Waste)			
			d	009			X	Parts Washer Waste			
			e				X	Used Oil			
			f	070			X	Oil Filters			
			g				X	Asbestos Brake Shoes			
			h		X		X	Spill Debris (NH)			
NASP	3800	1	a	176	X		X	Aerosol Cans	Beach Houses	Paul Barfield	452-3811
NASP	3819	1	a				X	BioExcel	JOAP Lab	Mike Poff	452-3191 ext. 114
			b	070			X	Oil Filters			
			c	176			X	Aerosol Cans			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
NASP	3860		a		X		X	Fluorescent Bulbs	Air Force Water Survival	Sgt. Watson	452-5986
			b		X		X	Lithium Batteries			
NASP	3870	1	a		X	X		Used Oil	Cemetary	Dave Markham	453-0729
			b		X		X	Spill Debris			
		2	a		X		X	Oil Filters			
			b	070	X		X	Used Oil			
			c		X		X	Anti-Freeze			
			d		X		X	Oil Rags			
NASP	3875	1	a		X		X	Paint	Navy Lodge	Randy Currence	456-8676
			b		X		X	Aerosol Cans			
			c		X		X	Fluorescent Bulbs			
			d		X		X	Aerosol Cans (Insecticide)			
NASP	3882	1	a				X	Fuel Rags	Fuel Farm	Jason Richards	452-3299
NASP	3887	1	a				X	Used Oil	JOAP Lab	Mike Poff	452-3191 ext. 114
		2	a				X	Aquatest Waste			
			b				X	TAN/TBN-Waste Solvents			
			c				X	Ferrogram Waste			
			d		X		X	Kerosene			
NASP	3890	1	a		X		X	Fluorescent Bulbs	NAS Brig	Ray Call	452-3620
NASP	3893	1	a				X	Used Oil	NAS Landscaping	Terry Grice	452-4790
			b	040			X	Gas			
NASP	3905	1	a		X		X	Fluorescent Bulbs	BEQ Maintenance	R.C. Osilla	912-3009
NASP	3913	1	a				X	Used Oil	Marine Expeditionary	Cpl. Gonzalez Sgt. Hunt	452-9025 452-9027
			b	017			X	Oil Rags			
			c	070			X	Oil Filters			
NASP	3925	1	a	017			X	Oil Rags	Fidelity	Kenny Berner	452-7115
NASP	3967	1	a				X	Used Oil	Ball Field Maintenance	Joe Sinclaire or Amos Hill	452-9932
			b		X		X	Oil Filters			
			c		X		X	Oil Rags			
			d		X	X		Oil/Gas/Water			
			e		X		X	Aerosol Cans			
NASSF	804	1	a	174			X	Oil w/ Freon	Hill/Griffin Maintenance (AC Shop)	Tom Jackson	452-6335
			b		X		X	Fluorescent Bulbs			
NASSF	810	1	a	027		X		Paint Rags	Electrician Shop	Mike Steeger	458-7251
			b	080			X	Fluorescent Bulbs			
			c		X	X		Batteries			
NASSF	811	1	a			X		PCBs	Hill/Griffin Maintenance	Tom Jackson	452-6335
			b	011		X		Paint			
			c	080		X		Fluorescent Bulbs			
NASSF	2421	1	a	011			X	Paint	Fabrication / Repair Shop	Adam McMillan	452-1654
			b	057			X	Paint Booth Filters			
			c				X	Fluorescent Bulbs			
NASSF	2439	1	a				X	Used Oil	Urrutia (Old Gas Station)	Barry Philips & Steve Hogge	982-7080 452-3723
			b	070			X	Oil Filters			
			c				X	Hydraulic Fluid			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			d	176			X	Aerosol Cans		Steve Hugge	
			e	018			X	Spill Debris			
NASWF	1404	1	a			X		Transmission Fluid	Auto Hobby Shop	1)Doug - POC on site 2)Fred Lehman - POC MWR admin	Doug - 623-7445 Fred - 623-7502 x23
			b	037		X		Brake Fluid			
		2	a			X		Transmission Fluid			
			b	040			X	Gas			
		3	a	011		X		Paint			
		4	a	070			X	Oil Filters			
		5	a	018			X	Spill Debris			
			b	036			X	Anti-freeze			
		6	a	176			X	Aerosol Cans			
NASWF N Hangar	1406	1	a				X	Solvent Waste Oil & Hydraulic Fluids	L-3 Vertex Aerospace	(1) Rich Hall (2) Geoff Hudleston	623-7335 981-0053
			b				X	Paper Rags			
NASWF S Hangar		2	a				X	Aerosol Cans (Paint)			
			b				X	Aerosol Cans (Non-Paint)			
			c	049			X	Fuel Filters			
			d	070			X	Oil Filters			
			e				X	Solvent Waste Oil & Hydraulic Fluids			
			f				X	Mop Water w/Oils			
			g				X	Paper Rags			
NASWF S Hangar	1424	1	a				X	Aerosol Cans (Non-Paint)	L-3 Vertex Aerospace	(1) Dave Cook (2) Delano Norris	623-7380
			b				X	Aerosol Cans (Paint)			
			c				X	MPK/Alcohol Rags			
NASWF N Hangar		2	a				X	Aerosol Cans (Non-Paint)			
			b	049			X	Fuel Filters			
			c	017			X	Oil Rags			
			d				X	Paper Rags			
			e				X	Oil w/ Solvents			
NASWF	1428	1	a				X	Sodium Hydroxide	L-3 Vertex Aerospace	(1) Dave Cook (2) Carth Garrison	623-7380
			b	046			X	Nitric Acid			
		2	a				X	Turco 6813			
			b		X		X	Turco 6776			
		3	a				X	Chromic Acid			
			b				X	Oil w/ Solvent (Alcohol)			
			c				X	Used Oil			
			d				X	Rags			
			e				X	Aerosol Cans (Non-Paint)			
			f				X	Aerosol Cans (Paint)			
		4	a				X	PD 680			
		5	a	021			X	Media Blast (Glass & Plastic)			
NASWF	1429	1	a				X	Anti-freeze w/Lead	Transportation Shop, BOS Contractor, PRI/DJI	(1) Elaine Sessions (2) Mike Kuntzike	(1) 626-0131 (2) 983-8513
			b	036			X	Anti-freeze (NH)			
		2	a	018			X	Spill Debris			
		3	a				X	Paper Rags			
			b	070			X	Oil Filters			

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive WS	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
			c	049			X	Fuel Filters			
		4	a				X	Spill Debris			
NASWF	1433	1	a	027			X	Paint Rags	BOS Contractor PRI/DJI	(1) Elaine Sessions	626-0131 983-8513
		2	a	011			X	Paint			
NASWF	1441A	1	a	011			X	Paint	BOS Contractor PRI/DJI	(1) Elaine Sessions	626-0131
NASWF	1454	1	a	070			X	Oil Filters	Sikorsky	Scott Truitt	983-9291
			b	049			X	Fuel Filters			
			c				X	Paper Filters Oil/Fuel			
			d				X	PD 680 Type II			
			e				X	Brakes			
			f	036			X	Anti-freeze			
			g				X	Used Oil			
		2	a				X	JP-5/PD680/Mo Gas/Hydraulic Fluid			
NASWF	1475	1	a				X	Lane Cleaner	Bowling Alley	(1)Greg Persondek (2)Phillip Coleman	623-7313
NASWF	1478	1	a				X	Mineral Spirits/Battery Acid Towels	L-3 Vertex Aerospace	Dave Cook	623-7380
NASWF	2805	1	a		X		X	Oil Rags	L-3 Vertex Aerospace	Dave Cook	623-7380
NASWF	2866	1	a	070			X	Oil Filters	Gas Station	(1)Darice Cherry (2)Bob Eisenbeck	623-8088
			b		X		X	Aerosol Cans (Non-Paint)			
		2	a	049			X	Fuel Filters			
			b	018			X	Spill Debris			
		3	a	049			X	Fuel Filters			
			b	036			X	Anti-freeze			
NASWF	2886	1	a	041			X	Batteries (NiCAD)	BOS Contractor PRI/DJI	Elaine Sessions	626-0131
			b	102			X	Batteries (Lithium)			
			c	034			X	Batteries (Mercury)			
			d				X	Batteries (Alkaline)			
			e				X	Old Ballasts			
		2	a				X	Paint from Aerosol Cans			
		3	a				X	Waste from Non-Aerosol Cans			
NASWF	2924	HW	10			X		Paper Rags			
NASWF	2941	1	a	011			X	Paint (MPK)	L-3 Vertex Aerospace	Dave Cook	623-7380
			b	027			X	Paint Rags			
		2	a		X		X	Oil Filters	L-3 Vertex Aerospace, T-6 Warehouse	(1)Bill Brumbaugh (2)Tim Whitfield	623-7309
			b		X		X	Fuel Filters			
			c		X		X	Oil Rags			
			d		X		X	Anti-Freeze			
			e		X		X	Used Oil			
		3	a		X	X		Fuel/Water			
NASWF	2946	1	a			X		Hydraulic Fluid	L B & B Associates	(1)Bill Levaugh (2)Porter Timmons	626-1176
			b			X		Solid Hydraulic Waste (Hoses & Rags)			
NASWF	2993	1	a	018			X	Spill Debris	L B & B Associates	Bill Curran	623-7569
			b	036			X	Anti-Freeze			
			c				X	Gas (Mo)			
			d	049			X	Fuel Filters			

SAA MASTER LIST A9-102

NAS	Bldg #	Site	Waste Stream	Profile #	New WS	Inactive Ws	Active WS	Waste Stream Description	Facility Owner	POC	POC Phone #
NASWF	3005	1	a			X		Hydraulic Fluid	L B & B Associates	(1)Bill Levaugh (2)Porter Timmons	626-1176
			b			X		Solid Hydraulic Waste (Hoses & Rags)			
NASWF	3024	1	a				X	Turco 6776	L-3 Vertex Aerospace	Rich Hall	623-2223
		2	a				X	Paper Rags			
		3	a	011			X	Paint			
NASWF	3047	1	a	036			X	Anti-Freeze	Golf Course	(1)Dale Boyett (2)John Butler	623-7297
			b	070			X	Oil Filters			
			c				X	Gas (Av)			
			d	018			X	Spill Debris			
	102	195	507		162	80	428				

SUPPORTING DOCUMENTS

No Further Action Letters

32501.004
08.01.04.0001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-3104

July 3, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report
Site 4
Naval Air Station Pensacola
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. Based upon review of the analytical results, the Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

32501.004
09.01.04.0010

Department of Environmental Protectic

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

September 30, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final *Preliminary Site Characterization Report Site 4*, Response to Comments and Errata Pages, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced document dated January 17, 1997 (received January 21, 1997) and the errata pages dated May 31, 1997 (received August 1, 1997). With my comments addressed, I agree with the conclusion and recommendations for this site. The document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

TJB TB JJC JJC ESN ESN

32501.005
08.01.05.0001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

4WD-FFB

OCT 04 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 1995 Final Preliminary Site Characterization (PSC) Report for Site 5 (Borrow Pit), Naval Air Station (NAS) Pensacola, Florida EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 5 (Borrow Pit) PSC report, concurs with the Navy's recommendation for no further investigation, and accepts this document as final.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager,
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

32501.005
09.01.05.0007

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

August 25, 1995

RECEIVED
AUG 31 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-0068

RE: Final Preliminary Site Characterization (PSC) Report for Site 5 (Borrow Pit), Naval Air Station Pensacola.

Dear Mr. Hill:

I have completed the technical review of the subject document, dated July 7, 1995 (received July 14, 1995). The analytical results from soil and groundwater samples are below the Preliminary Remedial Goals (PRGs) and Florida Groundwater Guidance values respectively. Thus, this document with the recommendations of no further action, is acceptable as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

David M. Clowes, P.G.
Remedial Project Manager

/dmc

cc: Ron Joyner, NAS Pensacola
Jay Bassett, EPA Region IV
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Steve Cowan, Bechtel, Knoxville, TN
Tom Moody, FDEP Northwest District
John Mitchell, FDEP Natural Resource Trustee

TJB B JJC B for JC ESN ESN

32501.006
08.01.06.0001

DEPARTMENT OF THE NAVY
COMMANDING OFFICER
NAS PENSACOLA
190 RADFORD BLVD
PENSACOLA, FLORIDA 32508-5217

RECEIVED
AUG 8 1997

IN REPLY REFER TO
5090
Ser 00500/511
30 JUL 1997

Ms. Gena Townsend
U.S. Environmental Protection Agency
Region IV
Atlanta Federal Center
61 Forsyth Street, S.W.
Atlanta, Georgia 30303-3104

Dear Ms. Townsend:

In accordance with the decision reached by the Pensacola Partnering Team, I request that no further investigations under the Superfund Program be performed at Site 6 on board Naval Air Station Pensacola.

Site 6 is an active construction debris landfill. The State of Florida exempts construction debris landfills from solid waste regulations when used exclusively by the landowner.

Should you have any questions or require additional information regarding this matter, please contact Mr. Ron Joyner of my environmental staff at NAS Pensacola Environmental Office, (850) 452-3900.

Sincerely,

William H. Taylor, Jr.
WILLIAM H. TAYLOR, JR.
Environmental Officer
By direction of
the Commanding Officer

Copy to:
SOUTHNAVFACENGCOM (Mr. B. Gates, Mr. B. Hill)
FDEP Tallahassee (Mr. J. Mitchell)
FDEP Pensacola (Mr. B. Kellenberger)
ENSAFE Pensacola (Mr. H. Biero)
ENSAFE Memphis (Ms. A. Dennen)
ENSAFE Knoxville (Mr. B. Caldwell)
BECHTEL Knoxville (Ms. K. Atchley)

32501.006
09.01.06.0008

Department of Environmental Protect

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

October 22, 1997

RECEIVED
NOV 5 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. William Taylor
Environmental Officer
5090 Ser 00500/512
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Letter Request, Site 6, Construction Debris Landfill, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced letter dated July 30, 1997 (received August 6, 1997) and concur with your request. As agreed by the Pensacola Tier I Partnering Team, Site 6 is currently an active construction debris landfill and no further investigations are required under CERCLA.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Bill Hill/Bill Gates, USN SoDiv
Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

TJB TB JJC JJC ESN ESN

32501.007
08.01.07.0001

UNITED STATES ENVIRONMENTAL PROTECTION AG
REGION 4
ATLANTA FEDERAL CENTER
100 ALABAMA STREET, S.W.
ATLANTA, GEORGIA 30303-3104

May 5, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report
Site 7
Naval Air Station Pensacola
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. Based upon review of the analytical results, the Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

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32501.007
09.01.07.0024

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

November 9, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Decision Document, Site 7, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Decision Document (DD) dated August 19, 1999. Based upon my review, the enclosed concurrence letter was signed by Mr. Kirby B. Green, Deputy Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt

Joseph F. Fugitt, P.G.
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region 4
Bill Hill, SOUTHNAVFACENGCOM
Allison Harris, Ensafe, Memphis
Brian Caldwell, Ensafe, Knoxville
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee
Charlie Goddard, FDEP Northwest District

TJB TB JJC JJC ESN ESN

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

October 30, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 7, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

Kirby B. Green, III
Deputy Secretary

KBG/jff

UNITED STATES ENVIRONMENTAL PROTECTION A
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

SEP 23 1999

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

SUBJ: Record of Decision - Operable Unit 6
Sites 9 & 29
NAS Pensacola NPL Site
Pensacola, Florida

Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the selected remedy for the Remedial Action at Sites 9 & 29. This remedy is supported by the removal actions and the previously completed Remedial Investigation and Baseline Risk Assessment Reports.

The selected remedial alternative is no further action. This involves taking no further remedial actions at the site and leaving the environmental media as they currently exist. This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,

Richard D. Green, Director
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy
Ron Joyner, NAS Pensacola
Bill Hill, SOUTHDIV
Joe Fugitt, FDEP

32501.009
09.01.09.0002

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

RECEIVED

January 31, 2001

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Record of Decision, Operable Unit 6, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Record of Decision (ROD) dated September 7, 1999 and Errata Pages dated November 15, 2000. Based upon my review, the enclosed concurrence letter was signed by Mr. John M. Ruddell, Director, Division of Waste Management, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt

Joseph F. Fugitt, P.G.
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region 4
Bill Hill, SOUTHNAVFACENGCOM
Allison Harris, Ensafe, Memphis
Brian Caldwell, Ensafe, Knoxville
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee
Charlie Goddard, FDEP Northwest District

TJB B JJC JJC ESN for JJC

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

January 25, 2001

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Record of Decision (ROD) for Operable Unit 6, Naval Air Station Pensacola.

The ROD specifies No Action. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

John M. Ruddell

John M. Ruddell, Director
Division of Waste Management

JMR/jff

32501.010
08.01.10.0001

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with Nov 1995 Final Preliminary Site Characterization (PSC) Report for Site 10 (Commodore's Pond), Naval Air Station (NAS) Pensacola, Florida
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 10 (Commodore's Pond) PSC report, concurs with the Navy's recommendation for no further investigation.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

32501.010
09.01.10.0032

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

November 9, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Decision Document, Site 10, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Decision Document(DD) dated August 19, 1999. Based upon my review, the enclosed concurrence letter was signed by Mr. Kirby B. Green, Deputy Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt

Joseph F. Fugitt, P.G.
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region 4
Bill Hill, SOUTHNAVFACENGCOM
Allison Harris, Ensafe, Memphis
Brian Caldwell, Ensafe, Knoxville
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee
Charlie Goddard, FDEP Northwest District

TJB B JJC JJC ESN ESN

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

October 30, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 10, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

Kirby B. Green, III
Deputy Secretary

KBG/jff

32501.013
08.01.13.0001

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (Code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with Sept 1995 Final Preliminary Site Characterization (PSC) Report for Site 13 (Magazine Point Dredge Spoil Area and Construction Debris Piles Area), Naval Air Station (NAS) Pensacola, Florida
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 13 PSC report, concurs with the Navy's recommendation for no further investigation, as dredged material do not pose an unacceptable risk, and contamination of groundwater and ditch sediments are being addressed in the OU 10 RI/FS and ROD. Noted is that any potential ecological concerns in relation to a possible discharge to the Bayou Grand/Pensacola Bay would be addressed in the Site 40 & 42 Investigation, therefore, EPA expects that the Sites 40 & 42 RI report will evaluate this potential risk.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

32501.032
09.01.32.0048

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

August 14, 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final Remedial Investigation Report, Operable Unit 10 and Site 13, NAS Pensacola

Dear Mr. Hill:

As my comments of November 14, 1996 have been addressed related to the technical review of the errata pages submitted November 8, 1995 (received November 9, 1995) for the above referenced document, the document is approved as final. Any remedial decision for this site will need to be re-evaluated depending on the results from the sediment and surface water analysis for Site 42 (Pensacola Bay). Also, the volatile contamination in monitoring well 33G15 will either need to be further delineated or the groundwater recovery and treatment system redesigned to capture the constituents. This can be specified in the modification to the RCRA permit.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Jay Bassett, USEPA Region IV
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

Reviewed by:

Timothy J. Bahr, P.G.
Professional Geologist Supervisor
Bureau of Waste Cleanup

TIMOTHY J. BAHR
LICENSE
NO. 1209
STATE OF
FLORIDA
PROFESSIONAL GEOLOGIST

8/14/96
Date

JJC B for JL ESN ESN

32501.014
08.01.14.0001

JUL 11 1996

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with Nov 1995 Final Preliminary Site Characterization (PSC) Report for Site 14 (Dredge Disposal Area), Naval Air Station (NAS) Pensacola, Florida
EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 14 (Dredge Disposal Area) PSC report, concurs with the Navy's recommendation for no further investigation, as dredge sediments do not pose an unacceptable risk, and accepts this report as final. Noted is that any potential ecological concerns in relation to a possible discharge to the bay would be addressed in the Site 40 & 42 Investigation, therefore, EPA expects that the Sites 40 & 42 RI report will evaluate this risk and the potential for a release in light of erosion of the dredge spoil containment structure.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

32501.014
09.01.14.0026

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

July 9, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final *Preliminary Site Characterization Report Site 14*, NAS Pensacola

Dear Mr. Hill:

I previously approved this document as final in March, 1996. However, at your request at our last partnering meeting, I am restating that the document is approved as final. The institutional controls required based on the proposed contingencies are no longer a factor as the contingencies no longer apply.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

TJB JRC for TB JJC JRC for JJC ESN JRC for ESN

32501.016
08.01.16.0001

UNITED STATES ENVIRONMENTAL PROTECTION AG
REGION 4
ATLANTA FEDERAL CENTER
100 ALABAMA STREET, S.W.
ATLANTA, GEORGIA 30303-3104

May 6, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report
Site 16
Naval Air Station Pensacola
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated January 17, 1997. The analytical results identify contaminants which exceed the (groundwater) secondary maximum contaminant levels, however, these results appear to be consistent throughout NAS Pensacola. The Agency concurs with the no further action recommendation.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

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32501.016
09.01.16.0010

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

RECEIVED
JUL 28 1997

July 11, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final *Preliminary Site Characterization Report, errata pages, Site 16*, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the errata pages dated June 13, 1997 (received June 16, 1997) for the above referenced document dated January 17, 1997 (received January 21, 1997). As the errata pages addressed my comments, I agree with the conclusion that no further action (NFA) is applicable at this site and the document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

Reviewed by:

Timothy J. Bahr, P.G.
Professional Geologist Supervisor
Bureau of Waste Cleanup

TIMOTHY J. BAHR
LICENSE
NO. 1209
STATE OF
FLORIDA
PROFESSIONAL GEOLOGIST

7/11/97
Date

JJC _____ ESN ESN

TJB _____ JJC _____ ESN ESN

32501.017
05.01.17.0006

UNITED STATES ENVIRONMENTAL PROTECTION AGI
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW
ATLANTA, GEORGIA 30303-8909

SEP 25 1998

RECEIVED
DEC 18 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

SUBJ: Record of Decision - Operable Unit 14
NAS Pensacola NPL Site
Pensacola, Florida

Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the selected remedy for the Remedial Action at Site 17. This remedy is supported by the previously completed Remedial Investigation and Baseline Risk Assessment Reports.

The selected remedial alternative is no further action. This involves taking no further remedial actions at the site and leaving the environmental media as they currently exist. This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,

Richard D. Green
Director
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy
Ron Joyner, NAS Pensacola
Bill Hill, SOUTHDIV
David Grabka, FDEP

bcc: Allison Abernathy, FFRRO/OSWE

32501.017
09.01.17.0033

Department of Environmental Protection

Buddy MacKay
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Kirby B. Green, III
Secretary

December 29, 1998

Captain Michael Denkler, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Denkler:

The Department of Environmental Protection agrees with the Navy's selected remedy for Operable Unit 14 (Site 17), Naval Air Station Pensacola.

The Record of Decision specifies the selected remedial alternative as No Action.

We appreciate your continued cooperation and look forward to an expeditious economic and environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt, Remedial Project Manager, at (850) 921-9989.

Sincerely,

Kirby B. Green, III
Secretary

KBG/dpg

cc: Gena D. Townsend, USEPA
David P. Grabka, FDEP
Bill Hill, SOUTHNAVFACENGCOM
Bill Kellenburger, FDEP Northwest District

Florida Department of

Memorandum

Environmental Protection

TO: Kirby B. Green, Secretary

FROM: John M. Ruddell, Director
Division of Waste Management

DATE: December 29, 1998

SUBJECT: Naval Air Station Pensacola Superfund Site
Record of Decision for Operable Unit 14 (Site 17)

Attached for your review and signature is a letter of concurrence to Captain Michael Denkler, Commanding Officer, Naval Air Station Pensacola, regarding the Record of Decision (ROD) for Operable Unit 14 (Site 17), Naval Air Station Pensacola (NAS Pensacola). The ROD specifies the selected remedial alternative as No Action.

Operable Unit 14 consists of an area approximately 150 feet by 250 feet, mostly covered by asphalt pavement. The site is divided into three storage yards separated by chain-link fencing: the northern "Scrap Yard" currently stores scrap metal; the central "Goat Yard" currently stores vehicle trailers; and the southern "High-Voltage Yard" stores various types of equipment including vehicles, transformers and utility poles. A residential housing area is located about 200 feet north of the site. Until 1976, Site 17 was an open storage area for 200-300 transformers, some of which contained PCB laden oils. While no deliberate disposal of PCB oils occurred on-site, leakage was suspected.

The final Remedial Investigation report identified an isolated location where arsenic exceeded its FDEP Soil Cleanup Target Level (SCTL) for a residential use scenario. No other inorganic constituents exceeded their SCTL under residential or industrial land use scenarios. Two soil samples contained benzo(a)pyrene at levels slightly exceeding the residential SCTL. One soil sample contained Aroclor 1260 at a level exceeding both residential and industrial SCTLs. A removal action completed in January 1998 eliminated the Aroclor 1260 and arsenic hot spot. The surface soil benzo(a)pyrene concentrations were located beneath asphalt pavement and probably originated from the asphalt.

Sediment located in a storm sewer manhole associated with the "High-Voltage Yard" contained elevated concentrations of metals, pesticides, PAHs and Aroclor 1260 above FDEP Sediment Quality Assessment Guidelines. These sediments will be addressed under storm sewer system maintenance on a base-wide scale.

Aluminum, above secondary drinking water standards, was found throughout shallow groundwater at the site, consistent with concentrations detected across NAS Pensacola. No other inorganic/organic parameters exceeded preliminary remedial goals in site groundwater. The upper surficial zone of the Sand-and-Gravel aquifer is not used nor is it anticipated to be used for drinking water.

The Baseline Risk Assessment (BLRA) determined that there was no human health risk exceeding 1E-06.

The No Further Action Proposed Plan was submitted to the NAS Pensacola mailing list and the Restoration Advisory Board. A public notice was published in the Pensacola News Journal on December 8, 1997 followed by a 30 day public comment period. No comments were received, and the Navy has elected to proceed with the Selected Remedial Alternative specified in the ROD.

I recommend that you sign the attached letter of concurrence.

JMR/dpg

Attachment

32501.017
09.01.07.0034

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

April 9, 1999

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final Completion Report for Remediation Work, Various Sites, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced document dated November 19, 1998 (received November 23, 1998). The document appears adequate for its intent and is considered final.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt

Joseph F. Fugitt, P.G.
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Brian Caldwell, EnSafe, Knoxville
Allison Harris, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District

TJB _____ JJC _____ ESN _____

32501.028
08.01.28.0002

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-3104

May 13, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report
Site 28
Naval Air Station Pensacola
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject document, dated December 18, 1996. EPA concurs with the no further action recomendation. and accepts the report as final.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

32501.018
08.01.18.0001

UNITED STATES ENVIRONMENTAL PROTECTION AG
REGION 4
ATLANTA FEDERAL CENTER
100 ALABAMA STREET, S.W.
ATLANTA, GEORGIA 30303-3104

OCT 02 1996

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (Code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 31, 1996, Preliminary Site Characterization Report for Site 18, PCB Spill Area, Naval Air Station (NAS) Pensacola, Florida
EPA Site ID No.: FL9 170 024 567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the referenced Report for Site 18 and accepts it as final. EPA concurs that lead contamination is not associated with Site 18 and will be investigated as part of the Site 45 Preliminary Site Characterization Investigation,

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

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32501.028
09.01.28.0017

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

June 13, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Preliminary Site Characterization Report, Site 28, Errata Pages, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced errata pages dated March 19, 1997 (received March 24, 1997). With the receipt of a professional geologist seal and signature, the document is approved as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

32501.028
08.01.28.0003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-3104

July 17, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Preliminary Site Characterization Report
Sites 18 & ~~24~~ AO 28
Naval Air Station Pensacola
EPA Site ID No.: FL9170024567

Dear Mr. Hill:

The U. S. Environmental Protection Agency (EPA), has completed the review of the above subject documents and the errata, dated April 3, 1997. The Agency accepts these documents as final.

If you have any questions please contact me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

October 30, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Decision Document (DD) that specifies No Action for Site 18, Naval Air Station Pensacola. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

Kirby B. Green, III
Deputy Secretary

KBG/jff

32501.036
09.01.36.0034

Department of Environmental Protect...

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

July 14, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final *Preliminary Site Characterization Report, errata pages, Site 36*, NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the errata pages dated June 12, 1997 (received June 16, 1997) for the above referenced document dated April 1997 (received April 29, 1997). As the errata pages addressed my comments, I agree with the conclusion that no further action (NFA) is applicable at this site and the document is approved as final. The contamination detected above regulatory guidelines does not appear related to Site 36. The inorganic and organic contamination is being addressed under IRP Site 38 and petroleum sites UST 11, UST 12, UST 20 and UST 2662.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region IV
Henry Beiro, EnSafe, Pensacola
Brian Caldwell, EnSafe, Knoxville
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

Reviewed by:

Timothy J. Bahr, P.G.
Professional Geologist Supervisor
Bureau of Waste Cleanup

TIMOTHY J. BAHR
LICENSE
NO. 1209
STATE OF
FLORIDA
PROFESSIONAL GEOLOGIST

7/14/97
Date

JJC BforJC ESN ESN

32501.036
08.01.36.0001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303-3104

July 16, 1997

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: NAS Pensacola
Draft Preliminary Site Characterization Report
Site 36,

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA) has completed its review of the above subject document and accepts this document as final. This acceptance is based on the assumption that comments provided to the Navy on the draft report have been satisfactorily resolved and incorporated in the document.

If you have any questions or comments, please call me at (404) 562-8538.

Sincerely,

Gena D. Townsend
Senior Project Manager

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Allison Dennon, Ensafe, Memphis
John Mitchell, FDEP

32501.039
09.01.39.0027

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

September 11, 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
NAVFACENGCOM
2155 Eagle Drive
North Charleston, South Carolina 29419-9010

RE: Record of Decision, Site 39, NAS Pensacola

Dear Mr. Hill:

The Department has agreed with the Record of Decision received March 31, 1995, for Site 39 at NAS Pensacola. Attached is the letter of agreement signed by the Department's Secretary.

I look forward to a productive and cooperative partnership as the new member of the partnering team. Should you have any questions, please contact me at 904/921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

Enclosure

cc: Tom Moody, FDEP Northwest District
Bill Kellenberger, FDEP Northwest District
Jay Bassett, USEPA Region IV
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Steve Cowan, Bechtel, Knoxville, TN
Ron Joyner, NAS Pensacola

TJB TB JJC JJC ESN ESN

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

August 16, 1995

Captain Tim Thomson, Commanding Officer
Naval Air Station Pensacola
190 Radford Blvd.
Pensacola, Florida 32508-5217

Dear Captain Thomson:

The Department of Environmental Protection agrees with the Navy's selected remedy for a no further action Record of Decision (ROD) for Site 39, Naval Air Station Pensacola.

Due to the limited nature of the contamination found in the remedial investigation and the removal of the stained soil, the site did not warrant the detailed evaluation of remedial alternatives associated with a feasibility study. The Record of Decision presented a no action alternative and five year review that was technically acceptable.

If you have any questions concerning this approval letter, please contact Mr. David M. Clowes, our NAS Pensacola Remedial Project Manager, at (904) 921-9989.

Sincerely,

Virginia B. Wetherell

Virginia B. Wetherell
Secretary

VBW/dmc

cc: David M. Clowes, FDEP
Jay Bassett, USEPA

32501.039
09.01.39.0034

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

March 6, 1998

MAR 20 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Captain Michael Denkler, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Explanation of Significant Differences, Site 39
NAS Pensacola

Dear Captain Denkler:

As per my recommendation for the above referenced Explanation of Significant Differences (ESD) dated July, 1997 (received July 10, 1997), the Department concurs with the ESD (see attachment).

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

John W. Mitchell
Remedial Project Manager

Attachment

cc: Ron Joyner, NAS Pensacola
Bill Hill, USN SDIV
Gena Townsend, USEPA Region IV
Brian Caldwell, EnSafe, Knoxville
[redacted] EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Tony Ettore, OGC/Trustee File

TJB _____ JJC _____ ESN _____ for ESN

Department of
Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

December 3, 1997

Captain Michael Denkler, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Denkler:

The Department of Environmental Protection agrees with the Navy's selected remedy of no further action for Site 39, Naval Air Station Pensacola.

The Explanation of Significant Differences specifies elimination of the five year review specified in the Record of Decision signed and concurred with in July 1995. Elimination of the five year review will increase cost effectiveness while still providing adequate protection of public health, welfare, and the environment.

The determination to eliminate the five year review at Site 39 is consistent with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) and the National Contingency Plan (40 CFR 300).

We appreciate your continued cooperation and look forward to an expeditious environmental restoration of Naval Air Station Pensacola.

Sincerely,

Virginia Wetherell

Virginia B. Wetherell
Secretary

VBW/jwm

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32501.039
05.01.39.0004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

AUG 3 1995

4WD-FFB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Captain Tim Thomson, USN
0190 Radford Blvd.
Pensacola, Florida 32508-5217

Subj: Concurrence with Record of Decision (ROD) for Operable Unit 12, Site 39 (Oak Grove Campground); Naval Air Station (NAS) Pensacola, Florida EPA Site ID No.: FL 9170024567

Dear Captain Thomson:

The U.S. Environmental Protection Agency (EPA) Region IV has reviewed the revised ROD for Operable Unit 12 (Site 39: Oak Grove Campground). EPA concurs with the selected remedy for Site 39, as supported by the previously completed Remedial Investigation (RI) Report and associated Baseline Risk Assessment.

A time critical removal action completed in July 1994 (during the RI) removed all heavily-contaminated soil from the Site. The selected remedy of No Further Action is therefore acceptable, since the Site does not present a threat to human health or the environment under current site conditions. However, since the remedial action will result in hazardous substances remaining on site at levels which could present a threat under certain potential future scenarios, the lead agency shall review the appropriateness of the selected remedial action no less than every five years, in accordance with 40 C.F.R. Section 300.435(f)(4)(ii).

This remedial action is protective of human health and the environment, complies with federal and state requirements that

are legally applicable or relevant and appropriate to the remedial action, and is cost effective.

Sincerely yours,

John H. Hankinson, Jr.
Regional Administrator

cc: Elsie Monsell, Deputy Assistant Secretary of the Navy
Ron Joyner, NAS Pensacola
Bill Hill, SOUTHDIV
David Clowes, FDEP
Kevin Smith, EPA-ORC

32501.042
05.01.42.0007

UNITED STATES ENVIRONMENTAL PROTECTION AGEI
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW
ATLANTA, GEORGIA 30303-8909

SEP 2 5 1998

RECEIVED
DEC 1 8 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

4WD-FFB

Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

SUBJ: Record of Decision - Operable Unit 17
NAS Pensacola NPL Site
Pensacola, Florida

Dear Sir:

The U.S. Environmental Protection Agency (EPA) Region 4 has reviewed the above subject decision document and concurs with the selected remedy for the Remedial Action at Site 42. This remedy is supported by the previously completed Remedial Investigation and Baseline Risk Assessment Reports.

The selected remedial alternative is no further action. This involves taking no further remedial actions at the site and leaving the environmental media as they currently exist. This remedial action is protective of human health and the environment, complies with Federal and State requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

EPA appreciates the coordination efforts of NAS Pensacola and the level of effort that was put forth in the documents leading to this decision. EPA looks forward to continuing the exemplary working relationship with NAS Pensacola and Southern Division Naval Facilities Engineering Command as we move toward final cleanup of the NPL site.

Sincerely,

Richard D. Green
Director
Waste Management Division

cc: Elsie Munsell, Deputy Assistant Secretary of the Navy
Ron Joyner, NAS Pensacola
Bill Hill, SOUTHDIV
David Grabka, FDEP

bcc: Allison Abernathy, FFRRO/OSWE

32501.042
09.01.42.0014

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

June 2, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

RE: Record of Decision, Operable Unit 17, NAS Pensacola

Dear Captain Bahr:

I have completed the technical review of the above referenced Record of Decision (ROD) dated May 6, 1998 and Errata Pages dated November 10, 1998. Based upon my review, the enclosed concurrence letter was signed by Mr. David B. Struhs, Secretary, Department of Environmental Protection.

If I can be of any further assistance with this matter, please contact me at (850) 921-9989.

Sincerely,

Joseph F. Fugitt

Joseph F. Fugitt, P.G.
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Gena Townsend, USEPA Region 4
Bill Hill, SOUTHNAVFACENGCOM
Allison Harris, Ensafe, Memphis
Brian Caldwell, Ensafe, Knoxville
Terry Hansen, Tetra Tech NUS, Inc., Tallahassee
Charlie Goddard, FDEP Northwest District

TJB TJB JJC JJC ESN ESN

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

May 22, 2000

Captain Randal Bahr, Commanding Officer
Naval Air Station Pensacola
190 Radford Boulevard
Pensacola, Florida 32508-5217

Dear Captain Bahr:

The Department of Environmental Protection concurs with the Navy's Record of Decision (ROD) for Operable Unit 17, Naval Air Station Pensacola.

The ROD specifies No Action. The remedy is cost effective and provides adequate protection of public health, welfare, and the environment.

We appreciate your continued cooperation and look forward to an expeditious economic and environmental recovery of Naval Air Station Pensacola. If you have any questions concerning this letter of concurrence, please contact Joe Fugitt at (850) 921-9989.

Sincerely,

David B. Struhs
Secretary

DBS/jff

cc: Gena D. Townsend, USEPA Region 4
Bill Hill, SOUTHNAVFACENGCOM
Charlie Goddard, FDEP Northwest District

32501.005
08.01.05.0001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

4WD-FFB

OCT 04 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer,
Southern Division, NAVFACENGCOM
Attn: Mr. Bill Hill (code 1851)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

SUBJ: Concurrence with July 1995 Final Preliminary Site Characterization (PSC) Report for Site 5 (Borrow Pit), Naval Air Station (NAS) Pensacola, Florida EPA Site ID No.: FL9170024567.

Dear Mr. Hill:

The U.S. Environmental Protection Agency (EPA), has reviewed the Site 5 (Borrow Pit) PSC report, concurs with the Navy's recommendation for no further investigation, and accepts this document as final.

If you have any questions please contact me (404) 347-3555, extension 6462.

Sincerely,

Jay V. Bassett,
Remedial Project Manager,
Federal Facilities Branch

cc: Ron Joyner, NAS Pensacola
Henry Beiro/Brian Cladwell, Ensafe, Pensacola
Allison Dennen, Ensafe, Memphis
John Mitchell, FDEP

32501.005
09.01.05.0007

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

August 25, 1995

RECEIVED
AUG 31 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-0068

RE: Final Preliminary Site Characterization (PSC) Report for Site 5 (Borrow Pit), Naval Air Station Pensacola.

Dear Mr. Hill:

I have completed the technical review of the subject document, dated July 7, 1995 (received July 14, 1995). The analytical results from soil and groundwater samples are below the Preliminary Remedial Goals (PRGs) and Florida Groundwater Guidance values respectively. Thus, this document with the recommendations of no further action, is acceptable as final.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

Sincerely,

David M. Clowes, P.G.
Remedial Project Manager

/dmc

cc: Ron Joyner, NAS Pensacola
Jay Bassett, EPA Region IV
Henry Beiro/Brian Caldwell, Ensafe, Pensacola
Steve Cowan, Bechtel, Knoxville, TN
Tom Moody, FDEP Northwest District
John Mitchell, FDEP Natural Resource Trustee

TJB TB JJC TB-JC ESN ESN