



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC
9742 MARYLAND AVENUE
NORFOLK, VA 23511-3095

9/14/06 - 01938

5090/15 IN REPLY REFER TO:
QBHREV4/LLC/6005
SEP 14 2006

From: Commander, Naval Facilities Engineering Command Mid-Atlantic
To: Virginia Marine Resources Commission, Habitat Management Division (Ms. Traycie West-Pinkoski)
Subj: INTERIM REMEDIAL ACTION, SITE SCREENING AREA 14, BUILDING 537 DISCHARGE TO FELGATES CREEK, NAVAL WEAPONS STATION YORKTOWN, YORKTOWN, VIRGINIA
Encl: (1) Naval Weapons Station Yorktown
(2) Site Screening Area 14, Building 537 Discharge to Felgates Creek
(3) Interim Remedial Action, Site Screening Area 14
(4) Site Screening Area 14 Wetlands Delineation

1. The purpose of this letter is to inform your office of the Navy's intent to perform an interim removal action at the Naval Weapons Station (WPNSTA) Yorktown, Yorktown, Virginia. Please see Enclosure (1).

2. The area of this action is referred to as Building 537 Discharge to Felgates Creek, WPNSTA Yorktown Environmental Restoration (ER) Site Screening Area (SSA) 14, and is shown in Enclosure (2). The Navy has conducted investigations and characterized the site risks under the Naval Environmental Restoration Program (NERP) pursuant to the requirements imposed and authority defined in the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 42 U.S.C.S' §§9600, 9604, 10 U.S.C. §2701 et seq., and Executive Order 12580 (23 Jan 1987). All work at this site has been coordinated with the Office of Remediation Programs, Federal Facilities Restoration Program branch of the Virginia Department of Environmental Quality (VDEQ), as well as the U.S. Environmental Protection Agency (EPA), Region III.

3. SSA 14 occupies an area of approximately 0.4 acres and is located outside of Building 537 in the north central portion of the WPNSTA Yorktown as shown in Enclosure (3). This SSA consists of a storm water discharge pipe leading from the building and the associated discharge area. Nitramine-contaminated wastewater was discharged to Felgates Creek through the discharge pipe. The discharge pipe empties at the top of a slope and flows downward to a marsh area (approximately 15 feet lower in elevation), which

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extends to the east branch of Felgates Creek. Above the discharge pipe is an asphalt road and underground concrete bunkers set into the hillside. This one-lane paved road, which circles around the side of the hill, allows access to the concrete bunkers. Storm water runoff drains from the higher hillside onto this level area, which in turn drains over the site. SSA 14 is within an area where explosive research and development is conducted.

4. A Remedial Investigation and a Pre-Removal Characterization have been completed for SSA 14. Results of the Pre-Removal Characterization were presented in an Engineering Evaluation and Cost Analysis (EE/CA) for the site. The EE/CA was finalized and made available to the public in November 2005. These documents contain information concerning the nature and extent of contamination in the soil and sediment, as well as a description of the objectives of the non-time-critical removal action and analysis of various removal alternatives that were considered for these sites. The EE/CA and Action Memorandum recommend a remedial action at SSA 14.

5. The Navy intends to remove and dispose of contaminated soil and sediment at an approved disposal facility, backfill and grade the area to the approximate original elevations of the site prior to excavation, place riprap as erosion control in steep areas, place six inches of topsoil over the remaining disturbed areas, and vegetate with native grasses and wetland plants. Approximately 730 cubic yards of soil/sediment at SSA 14 will be removed and disposed off-site. A site map of the wetland delineation conducted in July 2006 and is provided as Enclosure (4). Less than 0.4 acre of wetlands will be disturbed.

6. The Navy, as lead agency acting in accordance with the requirements imposed by CERCLA, has determined that this project is required to mitigate any threat to the environment with onsite construction scheduled for November 2006. All soil and sediment removal will be done in a manner that minimizes any adverse effects to the environment including the use of matting. No wetland planting is scheduled, as it is believed that the wetland will naturally reestablish itself. However, if vegetation has not reestablished itself, the Navy will determine if planting is required to re-establish vegetation on a one-to-one ratio within the 0.4 acre area of disturbance.

7. CERCLA Section 121(e) and 40 CFR Part 300.400(e) provide that no Federal, State or local permits are required for CERCLA on-site response actions performed by Federal agencies. Accordingly, the Navy is exempt by statute from obtaining any

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permits for the planned removal action and final remedial response when implemented.

8. The public was informed of the Navy's intent to conduct the interim remedial action at SSA 14, WPNSTA Yorktown, Yorktown, Virginia, during a Restoration Advisory Board meeting on May 18, 2005. Availability of the Action Memorandum was advertised in the Daily Press on November 6, 2005. The public comment period for the Action Memorandum was held from November 6 through December 5, 2005.

9. In conclusion, although the Navy is exempt by statute from obtaining any permits on CERCLA sites, the Navy is providing you the conceptual design information for the interim remedial action to ensure that your office is informed about the Navy's proposed actions at this site and to meet the substantive requirements of Nationwide Permit #38, Cleanup of Hazardous and Toxic Waste. Per the procedural requirements of Nationwide Permit #38, the Navy understands that your office has 30 days to respond. A site visit, if required, can be arranged at your convenience. Should you have any questions, our technical point of contact is Ms. Linda L. Cole, P.E. at 757-444-3826.

Sincerely,



Robert G. Schirmer, P.E.
By direction

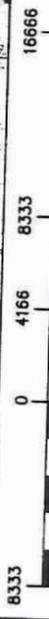
Copy to:
EPA Region III (Mr. Greyson Franklin)
VDEQ (Ms. Debra Miller)
CNRMA (Mr. Sean Heaney)



Baker
Baker Environmental, Inc.

FIGURE 2-1
LOCATION OF NAVAL WEAPONS STATION YORKTOWN
YORKTOWN, VIRGINIA

SOURCE: U.S.G.S. 1:100,000-SCALE PLANIMETRIC
MAP, WILLIAMSBURG, VIRGINIA, 1984.



1 inch = 8333 ft.

8333

2195500W

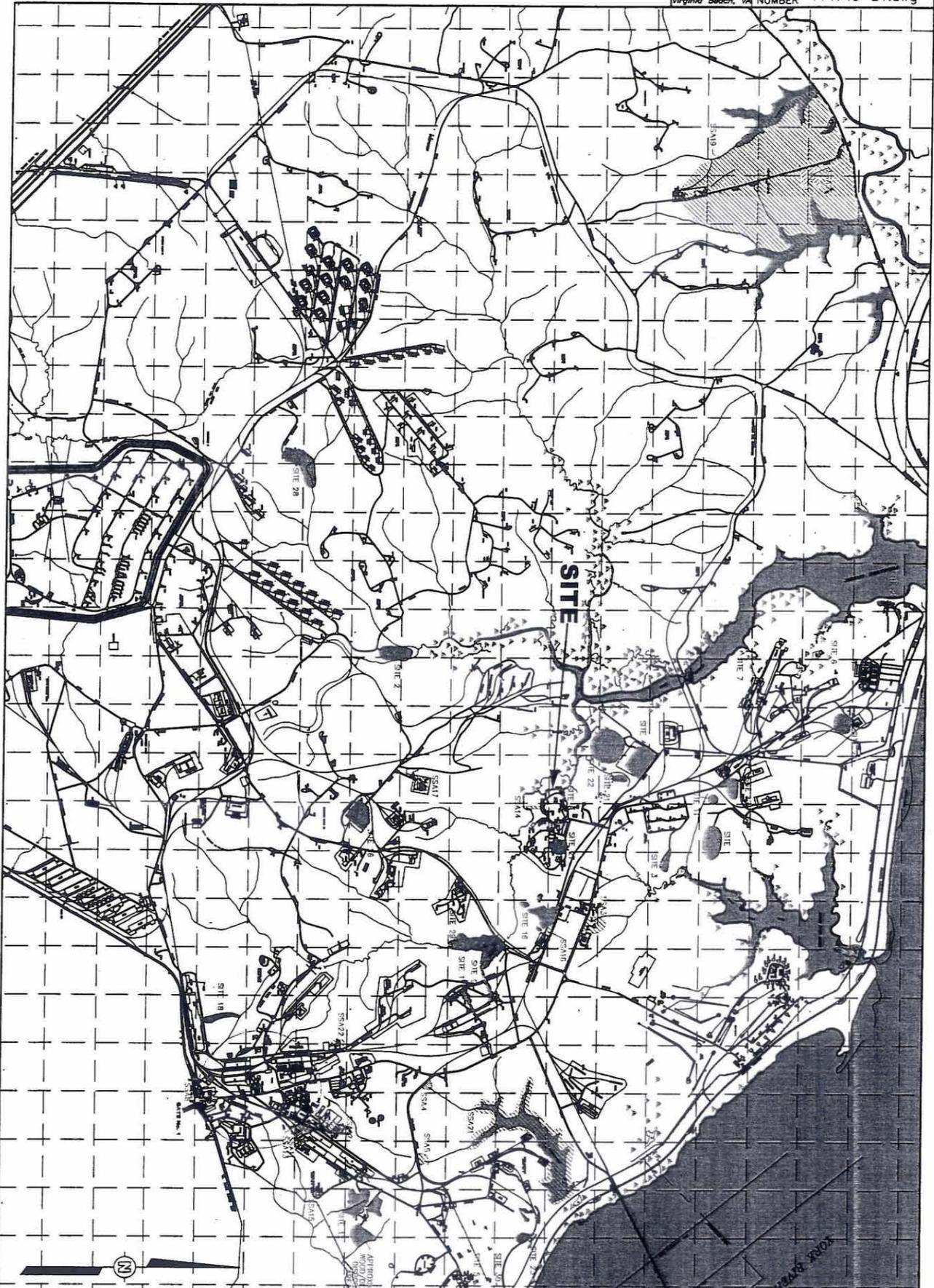


FIGURE 1

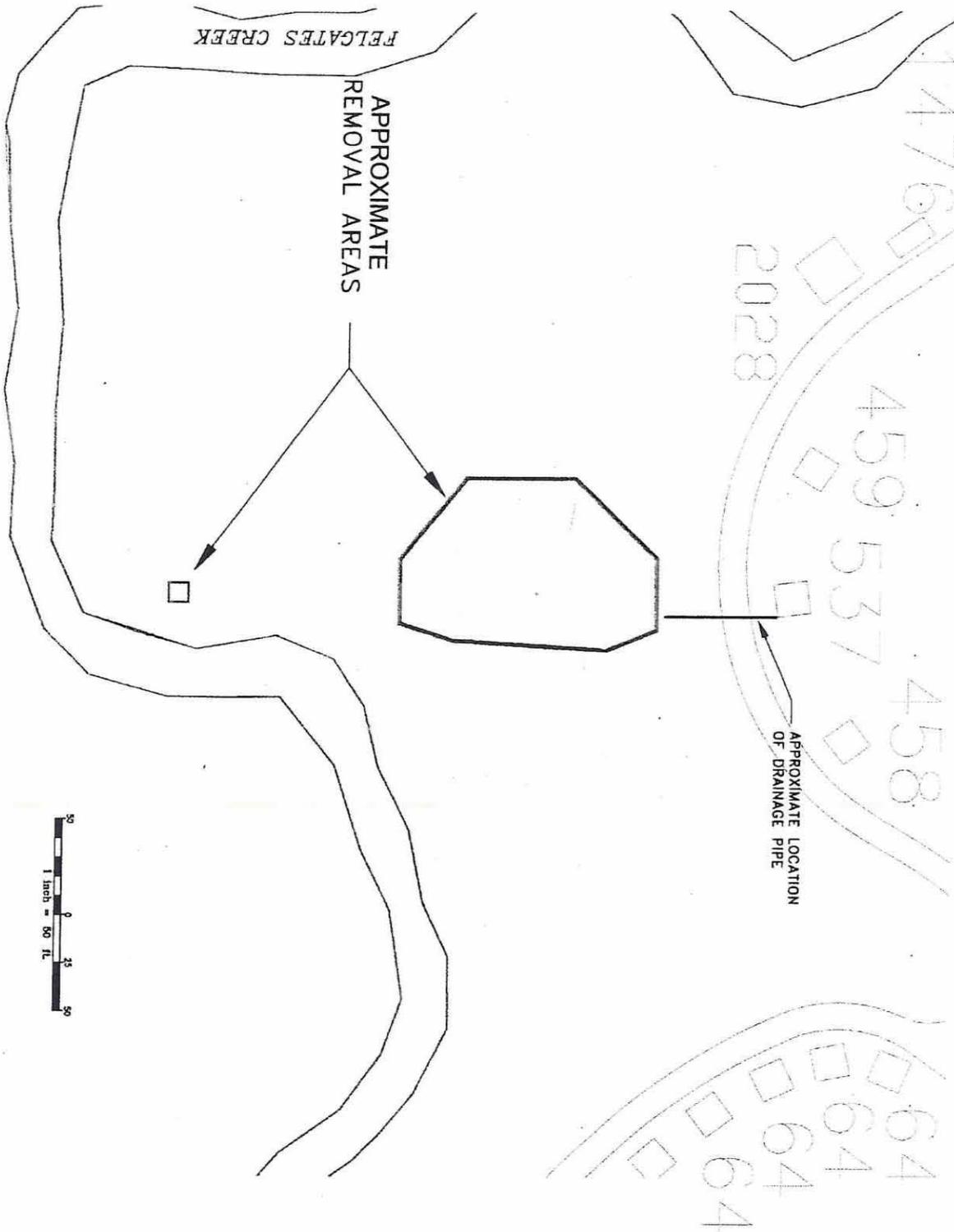
DEPARTMENT OF THE NAVY
 NAVAL STATION
 NAVAL WEAPONS STATION YORKTOWN
 ATLANTIC DIVISION
 NAVAL WEAPONS STATION
 SITE 8 AND SSA 14
 SITE LOCATION MAP

DESIGNED BY LM 10/04/05 CHECKED BY LM 10/04/05
 DRAWN BY JFR 10/04/05 APPROVED BY WJH 10/04/05

field support services, inc.
 a subsidiary of terra slope regional corporation
 3801 Ivy Lane, Suite 300, Greenbelt, MD 20770

DESCRIPTION/ISSUE	REVISIONS

MAP SOURCE: BAKER ENVIRONMENTAL, INC.



DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION	NORFOLK, VIRGINIA
NAVAL WEAPONS STATION YORKTOWN	YORKTOWN, VIRGINIA
NAVAL WEAPONS STATION	
SITE 8 AND SSA 14	
SSA 14 SITE PLAN	

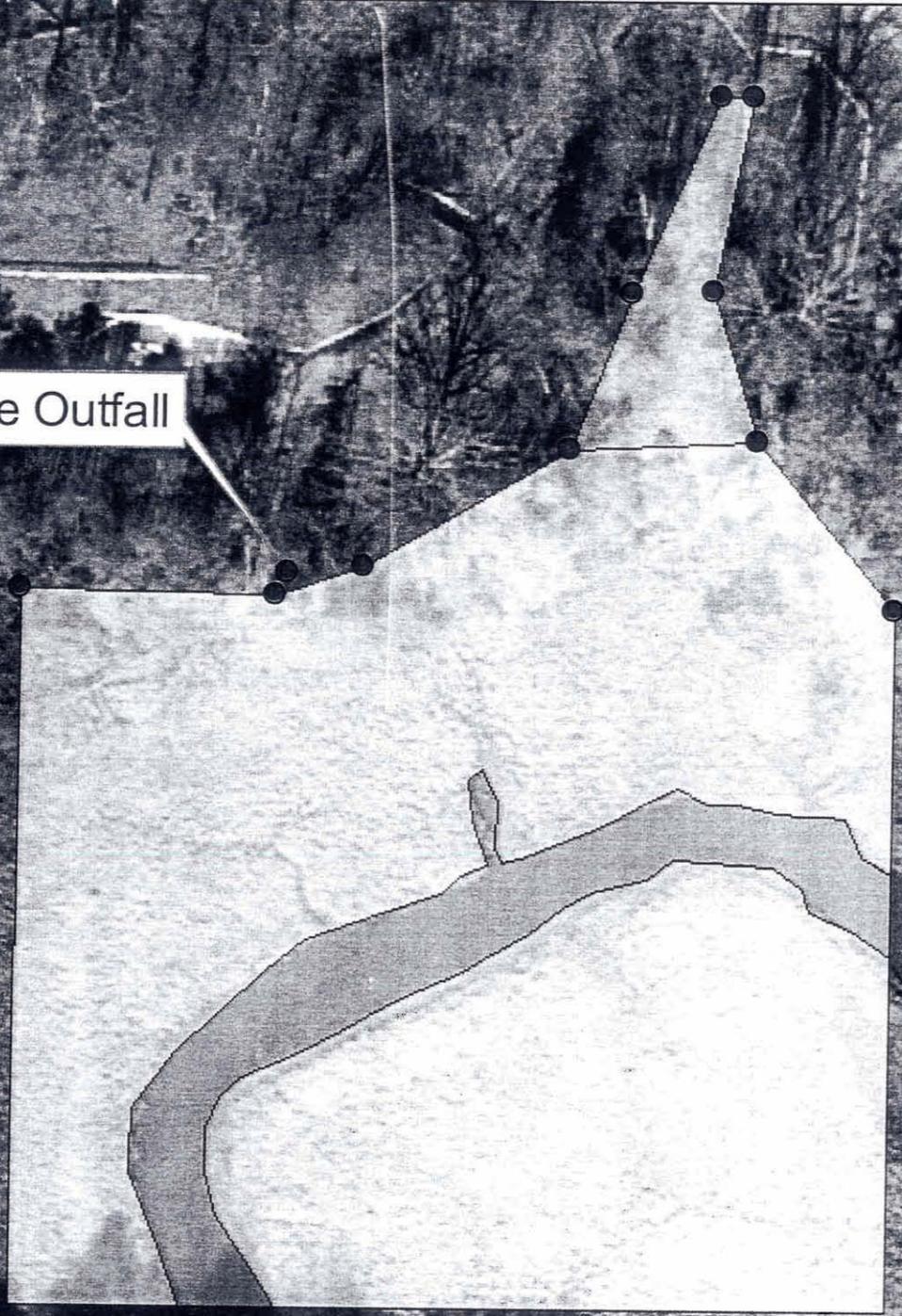
		DESIGNED BY	LM	10/04/08	CHECKED BY	LM	10/04/08
		DRAWN BY	TPR	10/04/08	APPROVED BY	MLM	10/04/08

Field Support Services, Inc.
 a subsidiary of atlas sited regional corporation
 3801 Ivy Lane, Suite 300, Greenbelt, MD 20770

DESCRIPTION/ISSUE	REVISIONS

FIGURE 4

Pipe Outfall



Legend

● GPS Points

Wetlands

-  Estuarine Intertidal Emergent Persistent, Irregularly Flooded
-  Estuarine Subtidal Unconsolidated Bottom, Subtidal
-  Palustrine Emergent Intermittently Flooded

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