

INSTRUCTIONS FOR COMPLETING A GEORGIA COASTAL MARSHLANDS PROTECTION PERMIT APPLICATION

Applicants proposing to impact areas below the ordinary high water mark need to complete these application forms. Each and every blank must be filled in completely. For questions that are not applicable to your project, write N/A in the blank. Only those applicants proposing to impact areas below the ordinary high water mark in Effingham, Long, Wayne, Brantley, Chatham, Glynn, Camden, McIntosh, Bryan, Liberty, or Charlton Counties need to complete the Revocable License request. This form requests permission to use publicly owned submerged lands. The Army Corps of Engineers can help you determine if you will need a water quality certification for your project. Contact the Ecological Services Section of the Coastal Resources Division, Georgia Department of Natural Resources at (912) 264-7218 for assistance with state requirements.

➤ Forms:

- ___ Joint Application for an ACOE Permit and GA CMPA Permit [Enclosure 1]
- ___ Revocable License Request [See Attached]
- ___ Coastal Marina, Community or Commercial Dock Checklist [Not Applicable]
- ___ Request for JD line [Not Applicable. Project is located COMPLETELY within GA Jurisdictional waters]

➤ Project Summary:

- ___ Narrative with project details and dimensions, construction method(s), materials, and access points/locations. Narrative should identify all areas that are planned to be used in connection with the project. [See attached Revised Project Summary]
- ___ Distance of the project into the waterway from MLW. [Variable. See attached Revised Project Summary]
- ___ Distance of the project from the navigable channel. [See attached Revised Project Summary. Project is located completely within the navigable channel]
- ___ Depths of the waterway at MLW. [Variable. See attached Revised Project Summary]
- ___ Total width of the waterway from MLW to MLW. [1,650 feet, See attached Revised Project Summary for more detail]
- ___ Distance to the next structure to either side of the proposed project. [Project will be connected to existing structures on either side of the channel. See attached Revised Project Summary.]

revised 11.2012

➤ **Project Drawings:**

X Plan or drawing showing the applicant's proposal and the manner or method by which such proposal shall be accomplished. Such plan shall identify all coastal marshlands, as verified by CRD staff, within the extended property lines of the project area.

*All drawings should be:

- a. Submitted on a registered survey (signed, stamped and dated) or on the recorded plat of the property.
- b. Submitted on 8 1/2 " by 11" paper or 11" by 17" (if needed to see details clearly), leave a 1" margin on the long side of each page for binding purposes.
- c. Drawn to scale. Include a bar scale or other graphic scale and a North arrow.

[Port Security Barrier specifications and Revised Project Description detailing execution and methodology are attached]

➤ **Site plans:**

____ Vicinity map that shows the location of the project, latitude and longitude, name of waterway, distance to nearest town or interstate highway and a North arrow.

[See Figure 1 in the Revised Project Summary]

Marshland Component of Project

____ DNR Marsh Jurisdiction Line (this line must be surveyed in by a registered surveyor), high and low waterlines and the method used to establish the waterlines. DNR staff must verify the Marsh Jurisdiction Line within the project area. Marsh jurisdiction line is validated for one year.

[Not Applicable. The entire project area is located within the state jurisdictional waters. See Figure 2 in the Revised Project Summary]

____ Existing features such as structures, boardwalks, etc. within jurisdiction.

[See Revised Project Summary. Existing features were covered under CPA 687]

____ Proposed features such as structures, boardwalks, etc. within jurisdiction.

[See Revised Project Summary]

____ Dimensions of the proposed structure/project that is the marshland component of the project. Marshland component is defined as the part of the project in an estuarine area or any structure on or over an estuarine area. The dimensions must consist of the distance the project will extend into the waterway, distance from the navigable channel, and the total width and depths of the waterway from MLW to MLW. Label existing structures in the navigable waters near the proposed activity.

[See Revised Project Summary]

____ Total square footage of proposed project footprint within jurisdiction and total square footage over vegetated marshlands. [See Revised Project Summary. Project will consist of approximately 4,769 square feet of floating barrier and approximately 120 square feet of anchor system on the river bed]

____ Section/Elevation view showing a cross-section view of the project using the same water elevations as the Site Plan.

[See Revised Project Summary]

____ Depth of water at the water-ward face of the proposed project, the dimensions and names of structures supported on floats or piles, the distance between pilings, the number of pilings, and types of materials used.

[No piles will be/are used for the project. Depth is approximately 0-10 ft at the North Land Water Interface structures.]

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- * Include additional CONSTRUCTION DRAWINGS as needed to clearly show the proposed project and how the project will be completed. For SHORELINE ENGINEERING ACTIVITIES (bulkheads, revetments, etc.) show typical construction methods with respect to mean, sea level for tiebacks, footings/foundations, type of material, slope of face, etc. For Boardwalks (walkways, decks, etc.) and BRIDGES show typical arrangement of posts/beams/decking, height above the marsh vegetation, and height above any waters at both MLW and MHW.

[Further detailed are provided in the Revised Project Summary]

Upland Component of the Project [Not Applicable. Entire project occurs within state jurisdictional wetlands]

- ___ Delineation of the upland component of the project- Upland component is defined as, all those service areas, amenities, and recreational areas located inland of the CMPA jurisdiction line that serve or augment the functioning of the marshlands component of the project. Include any facilities adjacent to or in proximity to the marshlands component of the project that will serve exclusively or primarily the users of the marshlands component of the project.
- ___ Existing features such as structures, roadways, parking areas, dry-stack storage, fueling facilities, etc.
- ___ Proposed features such as structures, roadways, parking areas, dry-stack storage, fueling facilities, etc.

Marshlands Buffers for Upland Component [Not Applicable. Entire project occurs within state jurisdictional wetlands]

- ___ Delineation of 50-foot marshlands buffer applicable to the upland component of the project as measured horizontally inland from the coastal marshlands-upland interface (verified JD line).
- ___ Documentation of existing condition of delineated buffer.
- ___ Description of buffer design, installation, and maintenance plans. Applicant should refer to the current edition of the Georgia Stormwater Management Manual for technical specifications and standards specific to buffers.
- ___ Description and identification on site plan of any temporary structures proposed within the delineated buffer that are necessary for the construction of the marshlands component of the project.
- ___ Description and identification on site plan of any permanent structures proposed within the delineated buffer that are necessary for the function of the marshlands component of the project.
- ___ Description and identification on site plan of any permanent structures proposed within the delineated buffer that are required to provide permanent access to the marshlands component of the project.
- ___ Description and identification on site plan of any vegetated plantings or grading of vegetation within the delineated buffer. Applicant is referred to the Georgia Stormwater Management Manual and the "Riparian Buffers in Your Backyard". Note: Planting and grading within the buffer must be designed and installed to enhance stormwater treatment.
- ___ Description and identification on site plan of pedestrian access for passive recreation to be located within the delineated buffer.

____ Description including dimensions and identification on the site plan of any existing impervious surfaces or structures pre-existing within the delineated buffer.

Stormwater Management Plan of the Upland Component

[Not Applicable. Entire project occurs within state jurisdictional wetlands]

____ Description of Stormwater Plan for upland component of the project. Note: No discharge of untreated stormwater is allowed from developed or disturbed areas, whether surface or piped, to coastal marshlands from the upland component of the project, unless waiver is granted by Committee

____ If waiver is being requested, detailed description of the site or project characteristics that prohibit treatment, why there is no practicable alternative, and documentation demonstrating how the stormwater runoff will have minimal adverse impact.

Impervious Surface Calculations of the Upland Component

[Not Applicable. Entire project occurs within state jurisdictional wetlands]

____ Description and delineation of the pervious surfaces and impervious surfaces proposed for the upland component of the project. Note: Pervious surfaces shall be used to the maximum extent practicable, and total impervious area shall be minimized with the goal of achieving no more that 15% effective impervious cover where practicable taking in account existing structures that are apart of the project and that available land area that is part of the upland component of the project.

____ Detailed documentation of the calculation of Effective Impervious Cover rate.

➤ Deed or other legal instrument:

[Property ownership information for Naval Submarine Base, Kings Bay, Georgia, is attached]

____ A copy of the deed, or other legal conveyance, putting title to or an interest in the real property, into the name of the applicant, together with any plat(s) referenced in the deed or conveyance that show the boundaries of the real property conveyed.

[Deed attached]

____ Any later deed or conveyance whereby any full or partial interest, such as, an inter-spousal transfer, trust agreement, lease agreement, partnership, corporation, limited liability company or executor or decedent's estate took an ownership interest in the real property.

[NA]

____ If the applicant is not the owner of the property, then provide a copy of the owner's deed or other legal conveyance **AND** the written permission from the owner to carry out the project on his/her land. The owner must acknowledge that it is are aware of the application and that it is familiar with the applications plans for the property and that the owner gives permission to the applicant to carry out the project oh his/her land as outlined in the application.

[NA]

____ Specific plat(s) referenced in the vesting deed showing the upland boundary of the project area in relation to the natural resource coastal marshlands and tidal waterbottoms.

[NA]

____ Identification of any marshlands within project area designated as Natural Heritage Preserve.

[No designated Natural Heritage Perserve marshlands are located within the project area]

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___ If the property was subdivided after the applicant acquired the property, then the new subdivision plat, in addition to the plat referenced in the vesting deed.

[NA]

___ Corporate owners must submit their Articles of Organization or other legal documentation to show signatory's capacity to bind the corporation to the permit and/or waterbottoms lease.

[NA]

___ Homeowners Association By-laws and Restrictive Covenants pertaining to the project area (upland and marsh component).

[NA]

___ Conservation Easements or other easements pertaining to the project area (upland and marsh component).

[No Conservation Easements in Project Area]

___ Deed restrictions if applicable.

[None]



➤ **Adjoining Land Owners:**

[Not Applicable. The US Navy owns all land adjoining the project area]

___ List of all adjoining landowners together with such owners' addresses.

___ If the names or addresses of adjoining land owners cannot be determined, a sworn affidavit that a diligent search, including a search of the records of the county tax assessor's office, has been made but that the applicant was not able to ascertain the names or addresses of adjoining landowners.



➤ **Zoning Letter & Signed Drawings from Local Gov:**

[Coastal Zone Consistency determination and approval are contained in the attached]

___ Letter from the local zoning authority stating that this proposal is in compliance with any zoning laws. This letter must be specific to the project and cannot be conditional in any way.

___ Copy of the most current version of plans, signed and dated by the local zoning authority. If the project is redesigned, the zoning authority must sign the latest plans to ensure there is no confusion about which "version" of the project is approved.



➤ **Non-refundable Application Fee:**

___ Check or money order made payable to the GEORGIA DEPARTMENT OF NATURAL RESOURCES is required. Include the amount listed below for the type of project you are proposing. Renewal fees will be equal to application fees. This list does not include all possible projects and should be used only as a guide.

\$100 Routine: Simple modification, research, simple pier, bridge (no fill), deck, etc.

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\$250 Moderate: Community dock, boat ramp, bridge (minor fill), culverts/gates, pier, etc.

\$500 Complex: Marina, marina modification, roadway, mosquito ditching, dredging, wastewater treatment, commercial dock, etc.

➤ Alternative Analysis:

[Alternatives are detailed in associated project Environmental Assessments: North Entrance Port Security Barrier Naval Submarine Base Kings Bay, Georgia (2002) and Environmental Assessment for Enclave Fencing System Naval Submarine Base Kings Bay Georgia (2012)]

_____ Brief description of alternative sites the applicant considered and why they are not feasible.

Include a discussion of why the permit should be granted. Describe water dependent nature of project.

➤ Landfill or Hazardous Waste Statement:

_____ Statement from the applicant that he has made inquiry to the appropriate authorities that the proposed project is not over landfill or hazardous waste sites and that the site is otherwise suitable for the proposed project. Contact your local government engineer to find out if your site is over a hazardous waste site or landfill. If your county engineer is unable to answer your question, please check the following: For hazardous waste sites check with the GA Environmental Protection Division (EPD) Hazardous Waste Support Unit at (404) 656-7802, or <http://www.gaepd.org/Documents/hazsiteinv.html> for a complete list. For landfill sites check with the GA EPD Land Protection Branch at (404)362-2692, or http://www.gaepd.org/Documents/regcomm_lpb.html#sw under List of Closed Landfills.

[The project will occur over an existing river channel between two concrete structures. No portion of the PSB will be constructed/moved over a known landfill or hazardous waster site.]

➤ Water Quality Certification:

_____ Copy of the water quality certification issued by EPD, if required for the proposed project. The USCAE determines whether a proposed project requires water quality certification under their 401 regulations.

*(Note: If required, certification **MUST** be issued prior to CMPC consideration of the project.)*

[Water quality certification issued February 11, 2014, attached]

➤ Erosion and Sedimentation Statement:

_____ Statement certifying that the project will be conducted in compliance with applicable erosion and sediment control responsibilities. Please refer to the section above regarding marshland buffers, stormwater management, and impervious surface calculations.

[The project will be conducted in compliance with applicable erosion and sediment control responsibilities. Compliance to erosion and sediment control is further stipulated as a requirement under the project USACE permit 2010-00177]

[Public interest considerations were detailed in Environmental Assessments developed for the initial installation and subsequent movement of the Port Security Barriers - North Entrance Port Security Barrier Naval Submarine Base Kings Bay, Georgia (2002) and Environmental Assessment for Enclave Fencing System Naval

Submarine Base Kings Bay Georgia (2012). These EA's concluded that the subject project would not adversely impact natural resources, including wildlife, fisheries, water quality, and oxygen supply]

➤ Public Interest Statement:

Documentation how the project is not contrary to the public interest, specific to the following public interest considerations:

- a. Whether or not unreasonably harmful obstruction to or alteration of the natural flow of navigational water within the affected area will arise as a result of the proposal.
- b. Whether or not unreasonably harmful or increased erosion, shoaling of channels, or stagnant areas of water will be created.
- c. Whether or not the granting of a permit and the completion of the applicant's proposal will unreasonably interfere with the conservation of fish, shrimp, oysters, crabs, clams, or other marine life, wildlife, or other resources, including but not limited to water and oxygen supply.

WHERE TO MAIL COMPLETED APPLICATION PACKAGES

An application package cannot be considered until all of the items listed above are submitted. After the Department has reviewed your application materials, additional information may be required for the Coastal Marshlands Protection Committee to fully evaluate your permit request. Additionally, the 30-day public notice cannot be published until the application package is substantially complete.

Please submit **ONE (1) original copy to the GA DNR-CRD, Habitat Management Program, ONE (1) original copy to US Army Corp of Engineers, Savannah District and one original copy to GA DNR-EPD, Water Protection Branch (three copies total). See addresses below.**

| | |
|--|--|
| <p>Karl Burgess Manager, Marsh & Shore Management Program Coastal Resources Division Georgia Department of Natural Resources One Conservation Way, Suite 300 Brunswick, GA 31520 http://www.coastalgadnr.org/msp/ap/marsh</p> | <p>Telephone: (912) 264-7218 Fax: (912) 262-3143</p> |
| <p>Regulatory Division Chief US Army Corps of Engineers Savannah District, Regulatory Branch 100 West Oglethorpe Avenue Savannah, GA 31401-3640</p> | <p>Telephone: (800) 448-2402 (912) 652-5279 Fax: (912) 652-5995</p> |
| <p>Bradley Smith Water Quality Certification EPD Water Protection Branch Georgia Department of Natural Resources 400 Commerce Drive Brunswick, GA 31523</p> | <p>Telephone: (912) 264-7284 Fax: (912) 262-3160</p> |

North Port Security Barrier Relocation to Land Water Interface, NSB Kings Bay, GA

Background

This project will occur at Naval Submarine Base (NSB), Kings Bay, Camden County, GA. The Base covers approximately 16,000 acres and is the U.S. Atlantic Fleet's home port for submarines. Due to the presence of these submarines, the waterfront area at NSB Kings Bay is restricted and physical security is paramount. Physical security is concerned with measures designed to safeguard personnel, prevent unauthorized access to the installation, and to protect against espionage, sabotage, damage, and theft.

Major revision to Navy and DoD security regulations has significantly increased requirements at the NSB Kings Bay Waterfront Restricted Area. The new regulations were developed in response to the terrorist attacks of September 11, 2001 and attack on the USS Cole in October 2000. To comply with these new regulations, the Navy recently completed the Enclave Fencing System to provide a continuous physical security barrier around the Waterfront Restricted Area to protect sensitive assets at NSB Kings Bay.

The existing Port Security Barrier (PSB) at the Northern entrance will be moved further north to connect to the recently completed land water interface (P636; Figure 1). The desired relocation timeframe is winter 2019 (February-March) to late summer 2019 (August – September). An Environmental Assessment was completed in 2012. Initial installation of the North PSB was permitted under USACE Permit Number 200116840. Additionally, a Federal Consistency Review was completed and received from Georgia DNR June 13, 2012.

Port Security Barrier Relocation

As part of the Security Enclave System, the North PSB requires relocation to the newly constructed Land-Water Interface Terminals (Figure 2 and 3). The contractor will relocate 33 of the existing north PSB units (approximately 1650 ft total length) to the new location using a barge mounted crane. A detailed description of the Port Security Barrier design submitted as part of the original installation permit in 2002 is attached to the application package (PSB Design Summary).

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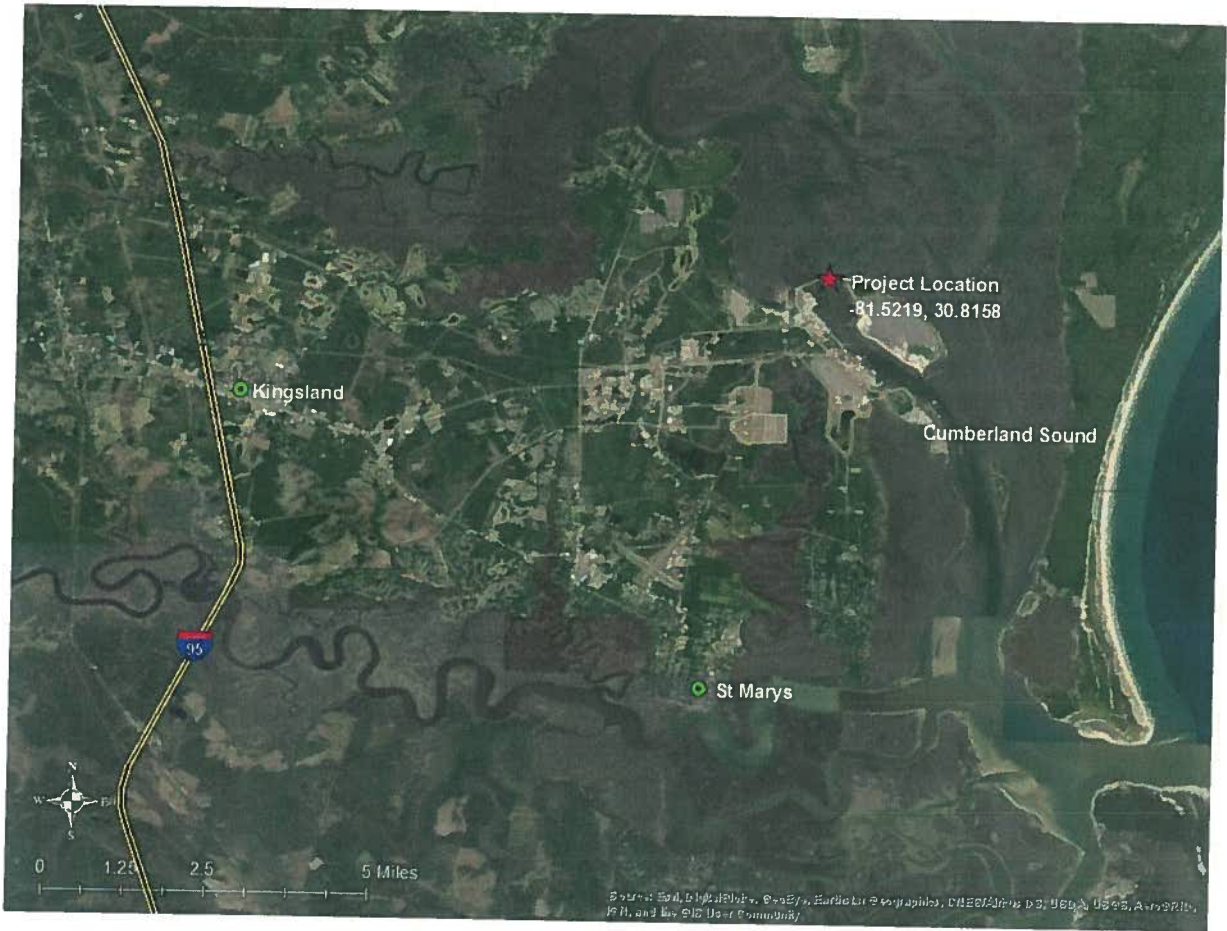


Figure 1 – Project Location



Figure 2 – PSB Relocation – Overhead View

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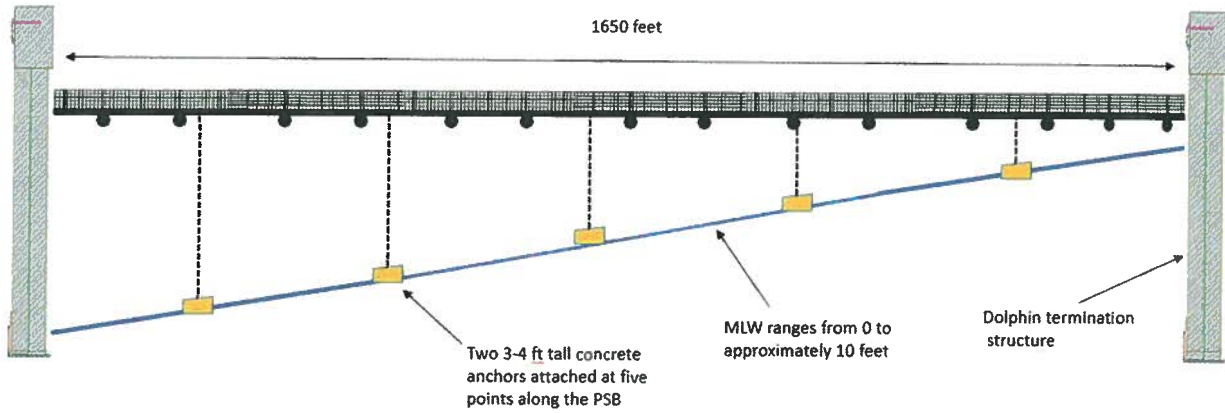


Figure 3 – PSB Relocation – Cross Section View

Coordinates for each North PSB deadweight anchor point are provided in table 1. The MLW water depth for most of the site varies between 0 and 10 feet (Figure 4). The riser shall be sized based on water depth readings at each mooring location.

Table 1 – Design Mooring Coordinates

| Item | Latitude | Longitude |
|---|-----------------|-----------------|
| Anchor A1 | 30° 49' 00.120" | 81° 31' 24.087" |
| Anchor A2 | 30° 48' 57.862" | 81° 31' 23.754" |
| Anchor B1 | 30° 49' 00.102" | 81° 31' 20.691" |
| Anchor B2 | 30° 48' 57.844" | 81° 31' 20.357" |
| Anchor C1 | 30° 49' 00.154" | 81° 31' 17.180" |
| Anchor C2 | 30° 48' 57.879" | 81° 31' 17.075" |
| Anchor D1 | 30° 49' 00.197" | 81° 31' 13.784" |
| Anchor D2 | 30° 48' 57.922" | 81° 31' 13.679" |
| Anchor E1 | 30° 49' 00.241" | 81° 31' 10.387" |
| Anchor E2 | 30° 48' 57.966" | 81° 31' 10.283" |
| AS-built Shore Termination (ST-1) Dolphin | 30° 48' 58.845" | 81° 31' 27.397" |
| As-built Shore Termination (ST-2) Dolphin | 30° 48' 59.006" | 81° 31' 08.585" |

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New PSB terminations will be fabricated and installed at the Land Water Interface terminal points (Figure 2 and 3; Table 1). The new shore terminations consist of a concrete sinker resting at the sea floor at the base of the existing PSB dolphin structure (Figure 5). The sinker is connected with a chain to a custom installed padeye on the dolphin. The chain length will be sized to keep it taut to allow the PSB unit to ride up and down the chain with the changing tide. Figure 4 shows the dolphin termination design.

All activities will be performed in a manner to minimize turbidity in the bay. All work performed during construction will be done in a manner to prevent interference with any legitimate water uses. SUBASEINST 11015.5E Manatee Protection Measures will be adhered to during all in-water construction.

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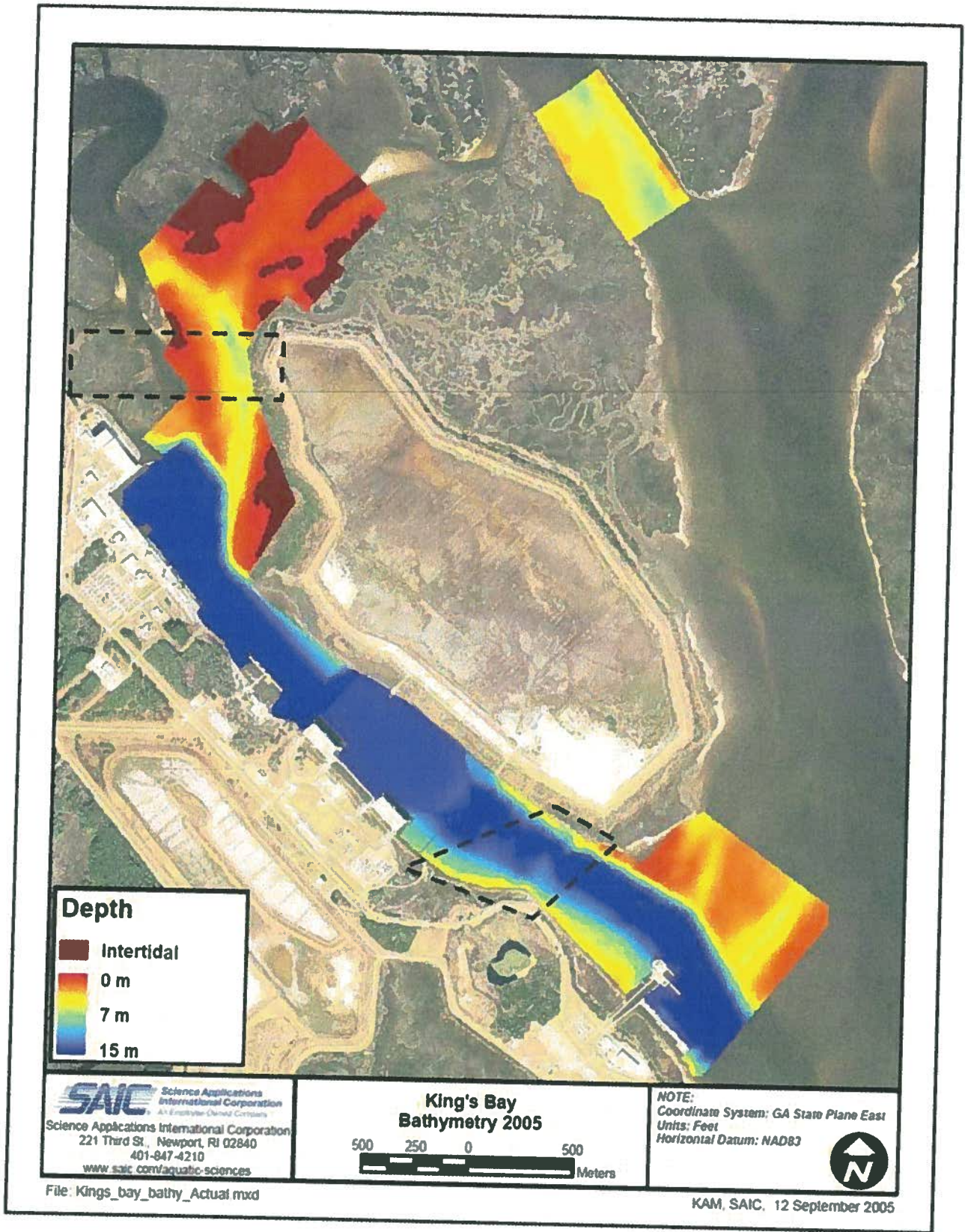


Figure 4 – Project Area Water Depth

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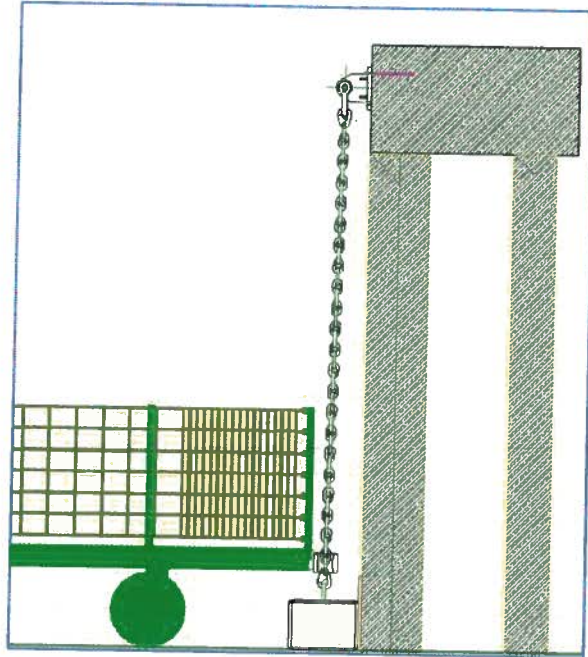


Figure 5 - Dolphin Termination Design

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