

- to construct geotubes, encompassing sixty four (64) feet by six (6) feet to act as a breakwater for the compensatory mitigation area.

In addition to the work noted above, the applicant plans to continue to use the existing fifty (50) ton boat travel-lift and associated facilities. Bulkhead will be replaced around the existing crane area, and the remaining bulkhead will be constructed in uplands to create the boat lift well.

The boat lift well will be created in the vicinity of the existing fixed pier, between the existing crane area and the proposed concrete pier. This location should minimize the need for future maintenance dredging. Boat lift well excavation will be accomplished using a clamshell, an excavator, and a silt curtain.

Dredged material will be temporarily stored on-site in a temporary de-watering area in uplands. Testing indicates that the proposed dredged material is ninety (90) percent sand and gravel. Due to the granular consistency of the proposed dredged material, the temporary disposal area will be confined with hay bales. Decanted water is expected to drain quickly overland, allowing the water to infiltrate and minimizing the spread of sediments. Once de-watered, the material will be re-used on site.

Approximately five hundredths (0.05) of an acre of open water, eleven hundredths (0.11) of an acre of shallow water and tidal wetlands, and two hundredths (0.02) of an acre of non-tidal wetlands will be impacted due to dredging. No submerged aquatic vegetation appears to exist in the permit area. Patches of *Spartina alterniflora* and *Phragmites australis* are present throughout the tidal wetlands. The non-tidal wetlands are dominated by *P. australis*.

Approximately seven hundredths (0.07) of an acre of uplands will re-graded below the mean high water line and planted with *S. alterniflora* to create vegetated tidal wetlands. Also, approximately six hundredths (0.06) of an acre of existing non-vegetated tidal wetlands (mudflat) will be planted with *S. alterniflora*. The one hundred seventy five (175) foot long pier running parallel to the shore and the geotubes at the property boundary will help protect the proposed mitigation area by acting as breakwaters. Also, approximately six hundredths (0.06) of an acre of uplands will be converted to open water due to the excavation of the boat lift well.

The applicant states that the project will not affect historical land-based structures. An archaeological study, focusing on potential shipwrecks in the Maurice River, was performed by USACE in association with the Maurice River dredging study. There is a potential for shipwrecks to be located in the general proximity of the site, but will be outside of the limits of disturbance and permit area. The 24-page report, entitled "SUBMERGED CULTURAL RESOURCES INVESTIGATIONS, MAURICE RIVER, NEW JERSEY", contract DACW61-87-D-0010 (RMC), was prepared by J. Lee Cox, Jr. in April of 1988. This report is available upon request.

The permit area for this proposed project includes the demolished structures, the proposed structures, and the temporary confined de-watering basin, as shown on the plan, entitled "SITE PLAN: DREDGING AND TEMPORARY DEWATERING AREA", prepared by James F. Cloonan, P.E., sheet P5, dated 17 December 2009, and revised 8/25/10.

On May 21, 2010, NJDEP - Office of Dredging and Sediment Technology issued a Waterfront Development Individual In Water Permit, 401 Water Quality Certificate, and Coastal Zone Management Consistency Determination (0609-09-0009.1 WFD 090001 IP).

FOR STAFF ARCHAEOLOGIST:		Ms. Nikki Minnichbach	Date Reviewed:	October 29, 2010
1. Known Properties:				In the permit area

			In the immediate vicinity/similar topographic.		
2. Recommended Action:		No Action <input type="checkbox"/>	Survey/Assessment <input type="checkbox"/>	<input checked="" type="checkbox"/> Avoidance	<input type="checkbox"/>
3. SHPO Coordination:		YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/> The project has no potential to cause effects and coordination with the SHPO is not required. <i>(Remove SHPO from the Interagency Coordination Notice when this is checked).</i>	
TRIBAL CONSULTATION:					
FOR THE RECORD OR PUBLIC NOTICE STATEMENT:					
<p>The USACE Cultural Resource Specialist has determined that:</p> <p>A <input type="checkbox"/> The permit area has been so extensively modified that little likelihood exists for the proposed project to impact a historic property.</p> <p>B <input type="checkbox"/> The proposed work and/or structures are of such limited nature and scope that little likelihood exists for the proposed project to impact a historic property.</p> <p>C <input type="checkbox"/> The permit area was created in modern times and has had no human habitation; therefore, little likelihood exists for the proposed project to impact a historic property.</p> <p>D <input checked="" type="checkbox"/> The permit area is likely to yield resources eligible for inclusion in the National Register of Historic Places (NRHP). An investigation for the presence of potentially eligible historic properties is required.</p> <p>E <input type="checkbox"/> A historic properties investigation has been conducted within the permit area. No sites determined eligible for or listed on the NRHP are within the permit area.</p> <p>F <input type="checkbox"/> A historic properties investigation has been conducted within the permit area. Historic properties eligible for or listed on the NRHP are within the permit area, but will not be affected by the proposed action. A determination of no effect will be coordinated with the SHPO.</p> <p>G <input type="checkbox"/> A historic properties investigation has been conducted within the permit area. Historic properties eligible for or listed on the NRHP are within the permit area and will be adversely affected by the proposed action. Further investigations and coordination with the SHPO is required to avoid, minimize or mitigate the adverse effects to the historic property.</p> <p>H <input type="checkbox"/> An investigation for the presence of potentially eligible historic properties may be required if recommended by the lead Federal agency.</p> <p>I <input type="checkbox"/> The permit area is composed of low-lying wetlands with no existing or previously existing stable landforms conducive to human occupation. Therefore, the permit area has a very low potential for yielding resources potentially eligible for the NRHP.</p> <p>J <input checked="" type="checkbox"/> Reserved for specific initial determination statements that do not fit into above categories (see statement below).</p>					
<p>Initial Determination: I have reviewed the 1988 Cox report referenced and have found that only a preliminary investigation was conducted on 5 areas of shoaling. No remote-sensing investigation has been conducted in the permit area. I am recommending a marine remote-sensing investigation of the permit area to assess for the presence of historic shipwrecks.</p>					