



REPLY TO
ATTENTION OF:

South Mississippi Branch
Regulatory Division

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, MOBILE DISTRICT
P.O. BOX 2288
MOBILE, ALABAMA 36628-0001

April 9, 2013

**JOINT PUBLIC NOTICE SAM-2013-00199-MJF
U.S. ARMY CORPS OF ENGINEERS**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL**

**MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
DMR-060770**

**IMPACTS ASSOCIATED WITH THE
EXTENSION OF AN EXISTING JETTY AND NEW CHANNEL DREDGING
OCEAN SPRINGS, JACKSON COUNTY, MISSISSIPPI**

TO WHOM IT MAY CONCERN:

This District has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act. Please communicate this information to interested parties.

APPLICANT: **Jackson County Board of Supervisors**
Post Office Box 998
Pascagoula, Mississippi 39568

AGENT: **Seymour Engineering**
925 Tommy Munro Dr., Suite G
Biloxi, Mississippi 39532

WATERWAY: **Mississippi Sound, Lake Mars Boat Launch, Section 11, Township 8 South, Range 8 West, Ocean Springs, Jackson County, Mississippi (Latitude 30.3599 North, Longitude -88.7648 West).**

WORK: **The applicant proposes to modify an existing jetty and perform maintenance dredging and new channel work. A vinyl sheet pile with wood or precast pile supports, 265 linear feet in length, would be added to the south end of the existing east-side jetty, set at a 45-degree angle. The vinyl and wood structure would be 30-feet wide and would extend 4-feet above mean high water. A scour apron consisting of 15-pound riprap would be placed around the jetty wall. This apron would be approximately 18 feet wide and 5 feet deep with a 2:1 side slope. Overall, the area of water bottom covered by the sheet pile structure and scour apron would be approximately 7,883 square feet with a total riprap volume of 802 cubic yards. A layer of geotextile fabric would be installed under the scour apron.**

The existing access channel would be realigned around the proposed jetty extension. The proposed new channel would follow the jetty dogleg then turn back to the southwest into the

existing channel. The channel would be dredge to the -5.0' mean low low water (MLLW) depth, approximately 150 linear feet beyond the end of the proposed jetty extension. The overall length of the new channel alignment would be 425 linear feet and would be dredged 50 feet in width to a depth of -5.0' MLLW. Approximately 610 cubic yards of sandy silt material would be removed and transported to a CORPS and MDMR approved beneficial use site or to an approved upland area for disposal.

EXISTING CONDITIONS: The Lake Mars boat launch ramp, three finger piers and jetty structures are located at the southern terminus of Lake Mars Avenue along the shoreline of the Gulf Park Estates community in Ocean Springs, Jackson County Mississippi. A public pedestrian pier is located to the east of the jetty structure and extends approximately 460 feet southward into the Mississippi Sound. Additionally, a pedestrian walkway and gazebo are situated parallel to the shoreline. Tidal marsh occurs to the east and west of the site. A portion of this marsh habitat is part of a previous mitigation plan consisting of 0.42 acres on-site and the preservation of 2.1 acres of adjacent high quality tidal marsh. The existing boat launch and jetties were constructed in 2009 with Coastal Impact Assistance Plan (CIAP) funds acquired by the County. These structures were oriented perpendicular to the existing shoreline along a similar alignment with the existing public pedestrian pier. The proposed project site is located in a well-populated area and is convenient to other densely-populated areas of Jackson County. Only benthic habitats would be impacted by this project; no emergent wetlands occur along the project alignment and no shellfish beds or submerged aquatic vegetation were detected in the existing channel alignment following surveys when the Lake Mars Boat Launch and navigation channel was permitted in 2006; the agent (Seymour Engineering) states there have been no changes since then.

PROJECT PURPOSE: As stated by the applicant's agent, "This project is proposed as an effort to improve the performance of the existing jetties; the modifications are expected to help divert longshore littoral drift, with the goal of substantially reducing premature in-filling of the access channel and deterring maintenance dredging. A sediment transport study was prepared by Anchor QEA in September 2012 that characterized the nearshore sediment transport processes around the Lake Mars fishing pier and jetties and how the proposed jetty modification will affect future sedimentation in the access channel and accumulations outside of the jetties. The Anchor report indicates that, due to the predominant east to west littoral drift, from 3,000 to 6,000 CY of sediment per year accumulate on the east side of the east jetty. Currents carry a large load of the sediment into the boat launch access channel as the jetties are currently configured. By adding a 45° dogleg to the east jetty, much of the sediment will be diverted to the west, thus, for the most part, by-passing the access channel."

The U.S. Army Corps of Engineers (Corps) initially determined the basic project purpose is for the modification to an existing jetty and new channel alignment and would be considered a water dependent activity. Additional review will be performed by the Corps and cooperating agencies.

ALTERNATIVES: The Corps' initial review of alternatives submitted by the applicant consists of the on-site work, as proposed. Since this is a site dependent project, no off-site alternatives will be considered. The applicant will be required to submit a detailed alternatives analysis to include the No Action alternative as well as additional on-site potential configurations. Additional review of alternatives will be performed by the Corps and cooperating agencies.

MITIGATION: No mitigation being considered for the proposed work. Additional review of mitigation requirements will be performed by the Corps and cooperating agencies.

The applicant has applied for certification from the State of Mississippi in accordance with Section 401(a)(1) of the Clean Water Act and upon completion of the required advertising; a determination relative to certification will be made.

The applicant has applied for coastal zone consistency from the State of Mississippi Department of Marine Resources in accordance with Section 57-15-6 of the Mississippi Code Annotated.

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the Corps can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources.

The benefits, which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal, will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, protected species, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held for consideration of this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR 325, the undertaking defined in this notice is being considered for the potential to effect cultural and historic properties within the permit area. We are seeking comment from the State Historic Preservation Officer regarding the existence or the potential for existence of significant cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR Part 325, the Corps has

determined that the permit area is the full area within the Mississippi Sound in the immediate vicinity of the existing Lake Mars boat launch, piers and jetties and the adjacent access channel for the overall project footprint. **The Corps will consult with in-house expertise and the State Historic Preservation Officer to make a final determination based upon this review unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work or that adequately documents that a potential exists for the location of significant sites or properties within the permit area.**

The U.S. Fish and Wildlife Service lists 19 endangered, threatened or candidate species as occurring or potentially occurring in Jackson County, Mississippi. These include the gopher tortoise (T) (*Gopherus polyphemus*), the Louisiana quillwort (E) (*Isoetes louisianensis*), the Mississippi gopher frog (E) (*Rana capito sevosa*), the Gulf sturgeon (TCH) (*Acipenser oxyrinchus desotoi*), the Red-cockaded woodpecker (E) (*Picoides borealis*), the Piping Plover (TCH) (*Charadrius melodus*), the West Indian manatee (E) (*Trichechus manatus*), the Louisiana black bear (T) (*Ursus americanus luteolus*), the Alabama red-belly turtle (E) (*Pseudemys alabamensis*), the Black pine snake (C) (*Pituophis melanoleucus lodingi*), the Yellow-blotched map turtle (T) (*Graptemys flavimaculata*), the Brown pelican (E) (*Pelecanus occidentalis*), the Mississippi sandhill crane (ECH) (*Grus Canadensis pulla*), the Pearl darter (C) (*Percina aurora*), the Green sea turtle (T) (*Chelonia*), the Hawksbill sea turtle (E) (*Eretmochelys imbricate*), the leatherback sea turtle (E) (*Dermochelys coriacea*), the Kemp's ridley sea turtle (E) (*Lepidochelys kempii*) and the Loggerhead sea turtle (T) (*Caretta caretta*).

Preliminary review of this application, previous consultation on the existing work, and the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants the proposed activity is not likely to adversely affect listed endangered or threatened species. It is anticipated that motile nektonic organisms existing in the water column in the project area (including commercial finfish and crustaceans) will relocate into nearby similar habitat upon the initiation of construction activities. After the cessation of work, it is anticipated that these same nektonic organisms as well as benthic and encrusting organisms will re-colonize the affected waters, and in fact may benefit by the emplacement of structures in what was previously a featureless sandy substrate.

Correspondence concerning this Public Notice should refer to Public Notice Number **SAM-2013-00199-MFJ** and should be directed to the District Commander, U.S. Army Engineer District, Mobile, Attention: Ms. Maryellen J. Farmer, Post Office Box 2288, Mobile, Alabama 36628-0001, Attention: South Mississippi Branch, with a copy to the Mississippi Department of Environmental Quality, Office of Pollution Control, Attention: Ms. Florance Watson, P.E., Post Office Box 2261, Jackson, Mississippi 39225 and the Mississippi Department of Marine Resources, Attention: Mr. Greg Christodoulou, 1141 Bayview Avenue, Suite 101, Biloxi, Mississippi 39530, in time to be received within **30 days** of the date of this public notice.

If you have any questions concerning this publication, you may contact the project manager for this application, **Ms. Maryellen Farmer** (maryellen.j.farmer@usace.army.mil), phone **(228) 523-4116**. Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our web site at www.sam.usace.army.mil/Missions/Regulatory.aspx.

MOBILE DISTRICT
U.S. Army Corps of Engineers

Enclosures



**Area Map
Lake Mars Jetty Modification Project**

Driving directions to Lake Mars Ave, Gulf Park Estates, MS 395643D
Mobile, AL

1. Head east on St Louis St toward St Joseph St . . . 0.2 mi
2. Take the 3rd right onto N Water St . . . 0.4 mi
3. Merge onto I-10 W via the ramp on the left to Pascagoula

Entering Mississippi . . . 46.3 mi

4. Take exit 57 for MS-57 S . . . 0.3 mi
5. Turn left onto MS-57 S . . . 3.4 mi
6. Turn right onto Old Spanish Trail . . . 2.3 mi
7. Turn left onto Beachview Dr . . . 2.0 mi
8. Slight right onto Lake Mars Ave . . . 0.3 mi

Lake Mars Ave
Gulf Park Estates, MS 39564

**FIGURE 1
JACKSON COUNTY BoS**

Project Location Summary
 Entered Location Summary | Project Area Report

| | |
|---------------------------------------|---|
| County/State | Jackson, MS |
| Regulatory District | Mobile |
| Zip Code | 39564 |
| Closest GHIS Waterway Name | Mississippi Sound |
| Congressperson | Gene Taylor (D) |
| Approx. acreage/line dist to waterway | 0 mt |
| Echade (MAD03) | 30.3599027513457 |
| Longitude (MAD03) | -88.7648113031885 |
| UTM Y Coordinates | 3359987.06713313 |
| UTM X Coordinates | 330382.356606471 |
| UTM Zone | 16 |
| HUC Region Name | South Atlantic-Gulf Region |
| HUC Subregion Name | Pascagoula |
| HUC Acre Name | Pascagoula |
| HUC Cont Name | Mississippi Coastal, Alabama, Mississippi |
| 8-Digit Huc | 3170009 |
| PLSS Meridian | SL Stephens |
| PLSS Township | 8 S |
| PLSS Range | 8 W |
| PLSS Section | 11 |
| USGS 122K Quad Name | MS-DEER ISLAND |
| EPA Surf | EPA Surf your Watershed |
| CBA | Cumulative Effects Analysis Report |

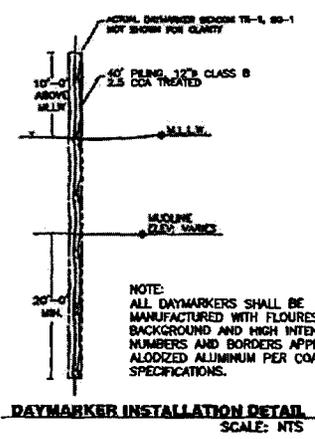
Project Location From
 Location From Create Project Area from

Other Location Information
 Other Location Descriptions: **None**

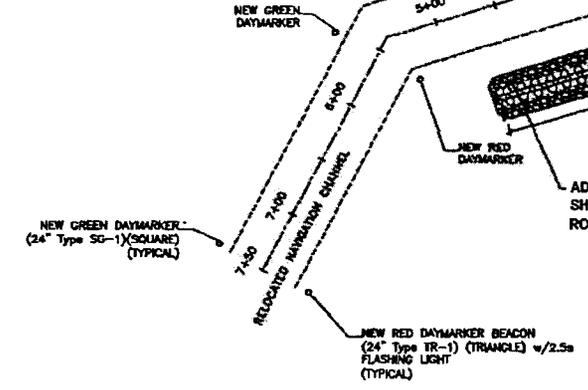
Directions to the Site

is
 Cancel Save & Refine w/CM2 Map

FIGURE 2
JACKSON COUNTY BoS
PN SAM-2013-00199-MJF

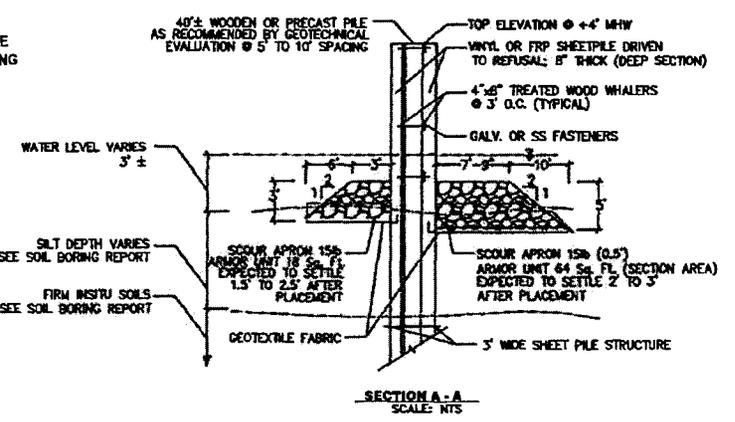


DAYMARKER INSTALLATION DETAIL
SCALE: NTS



MS SOUND

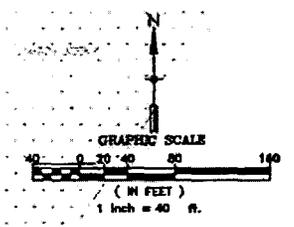
PROPOSED JETTY MODIFICATION FOR IMPROVED SILT MANAGEMENT
SCALE: 1" = 40'



SECTION A - A
SCALE: NTS



TYPICAL DREDGE SECTION
SCALE: NTS



Project Name: LAKE WARS SILT MANAGEMENT PROJECT JACKSON COUNTY, MISSISSIPPI

Project No.: 13-00199-000

Sheet No.: C1

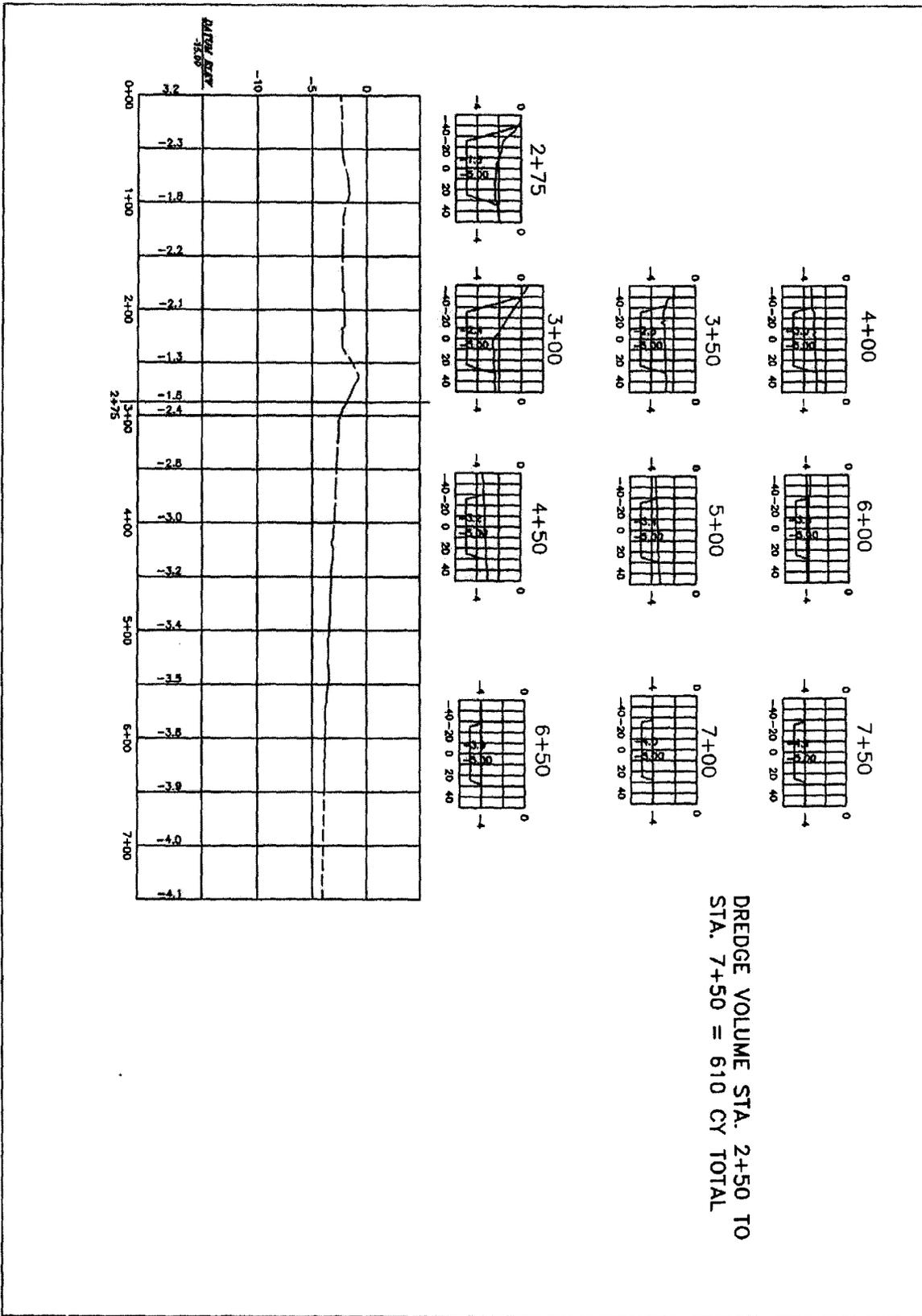
Scale: 1" = 40'

SEYMOUR ENGINEERING

130 SOUTH WASHINGTON STREET, SUITE 6 JACKSON, MISSISSIPPI 39201

PHONE: 601-353-8888 FAX: 601-353-1348

FIGURE 3
JACKSON COUNTY B0S



DREDGE VOLUME STA. 2+50 TO
STA. 7+50 = 610 CY TOTAL

SEYMOUR ENGINEERING

624 TOWN OF MARSH DRIVE, SUITE 0
MADRID, MISSISSIPPI 39092

Project Name

LAKE MARS
SILT MANAGEMENT PROJECT
JACKSON COUNTY, MISSISSIPPI

Sheet Title

DREDGE VOLUMES

FIGURE 4
JACKSON COUNTY B0S

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, MOBILE
P.O. BOX 2288
MOBILE, ALABAMA 36628-0001
OFFICIAL BUSINESS

FIRST-CLASS MAIL
U.S. POSTAGE
PAID
MOBILE, AL
PERMIT NO. 283

CESAM-RD-M (MJF)

