



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS, LOUISIANA 70118

May 10, 2017

Operations Division
Regulatory Branch, OD-SE

SUBJECT: MVN-2011-3331-EPP

Louisiana Department of Wildlife and Fisheries
Post Office Box 98000
Baton Rouge, Louisiana 70898

Dear Mr. Montoucet:

Additional drawings, enclosed in three sheets, furnished with your Department of the Army permit application dated February 23, 2017, requesting authorization, to enhance the existing California Point Reef, located within the Breton Sound area, in Plaquemines Parish, Louisiana, are authorized and will be included in your plans for the work authorized by the Secretary of the Army in a permit dated April 5, 2012, from the District Engineer at New Orleans, Louisiana.

The time limit for completion of this work is extended to May 31, 2020.

Special condition "11" of the April 5, 2012, authorization is hereby removed. The remaining conditions to which the work is made subject, excepting the time limit for completion, remain in full force and effect.

The approval is subject to the following terms and conditions.

1. If the authorized project requires any additional work not expressly permitted herein, the permittee must apply for an amendment to this authorization.
2. The permittee must comply with the enclosed: "STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES."

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A copy of the first page of this permit approval letter must be conspicuously displayed at the project site. Also, you must keep a copy of this signed letter, with attached drawings, at the project site until the work is completed.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer
Chief, Regulatory Branch
for
Michael N. Clancy
Colonel, U.S. Army
District Commander

Enclosures

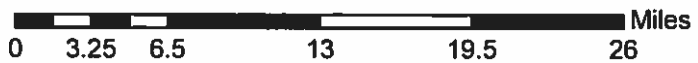
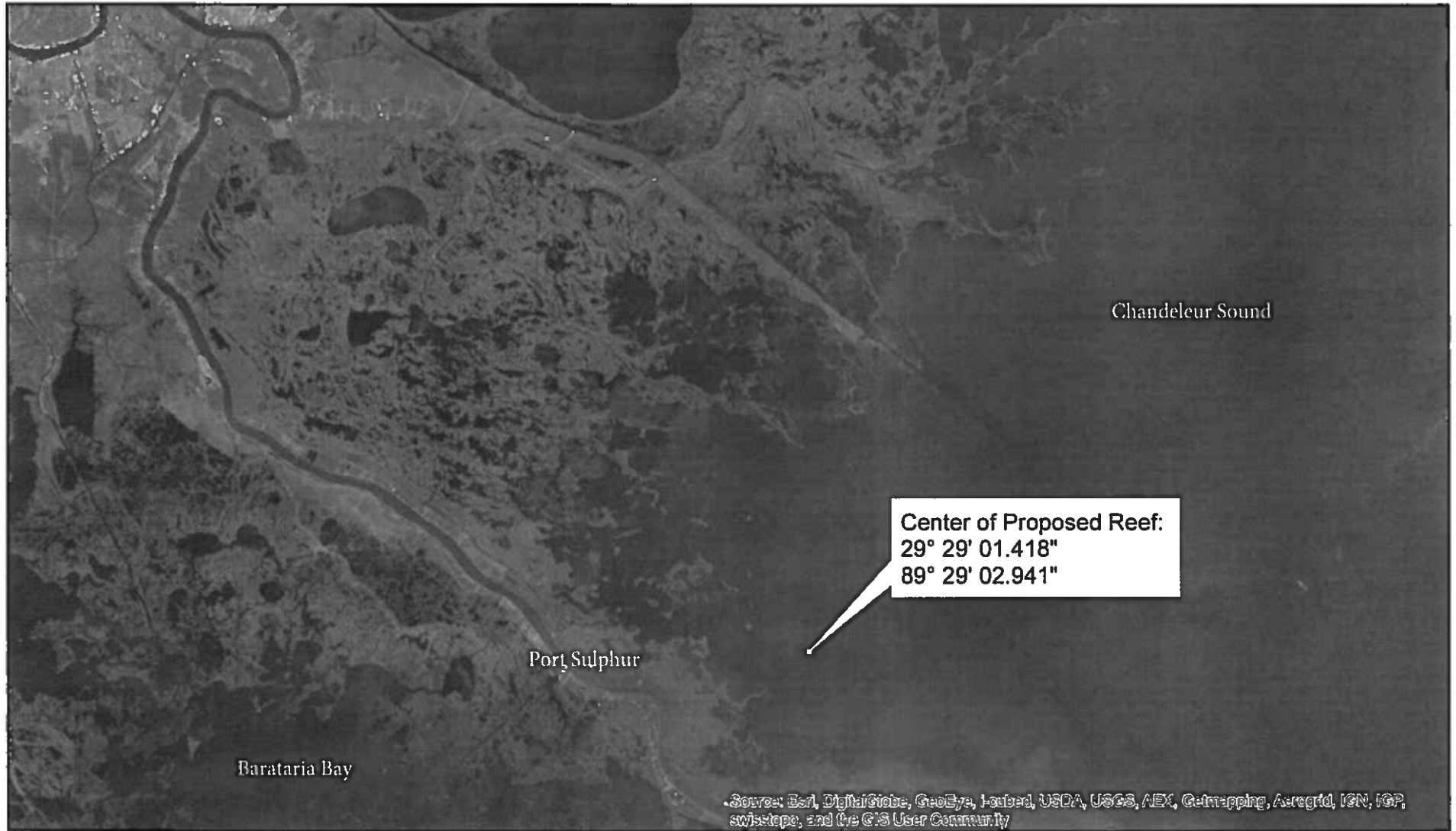
Proposed Inshore Reef Boundaries

NAD83

California Point Reef Site

	Latitude			Longitude		
Center	29°	29'	01.418"	89°	29'	02.941"
NW Corner	29°	29'	08.860"	89°	29'	11.150"
NE Corner	29°	29'	08.630"	89°	28'	54.460"
SE Corner	29°	28'	54.020"	89°	28'	54.730"
SW Corner	29°	28'	54.250"	89°	29'	11.420"

Louisiana Artificial Reef Program



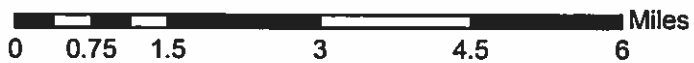
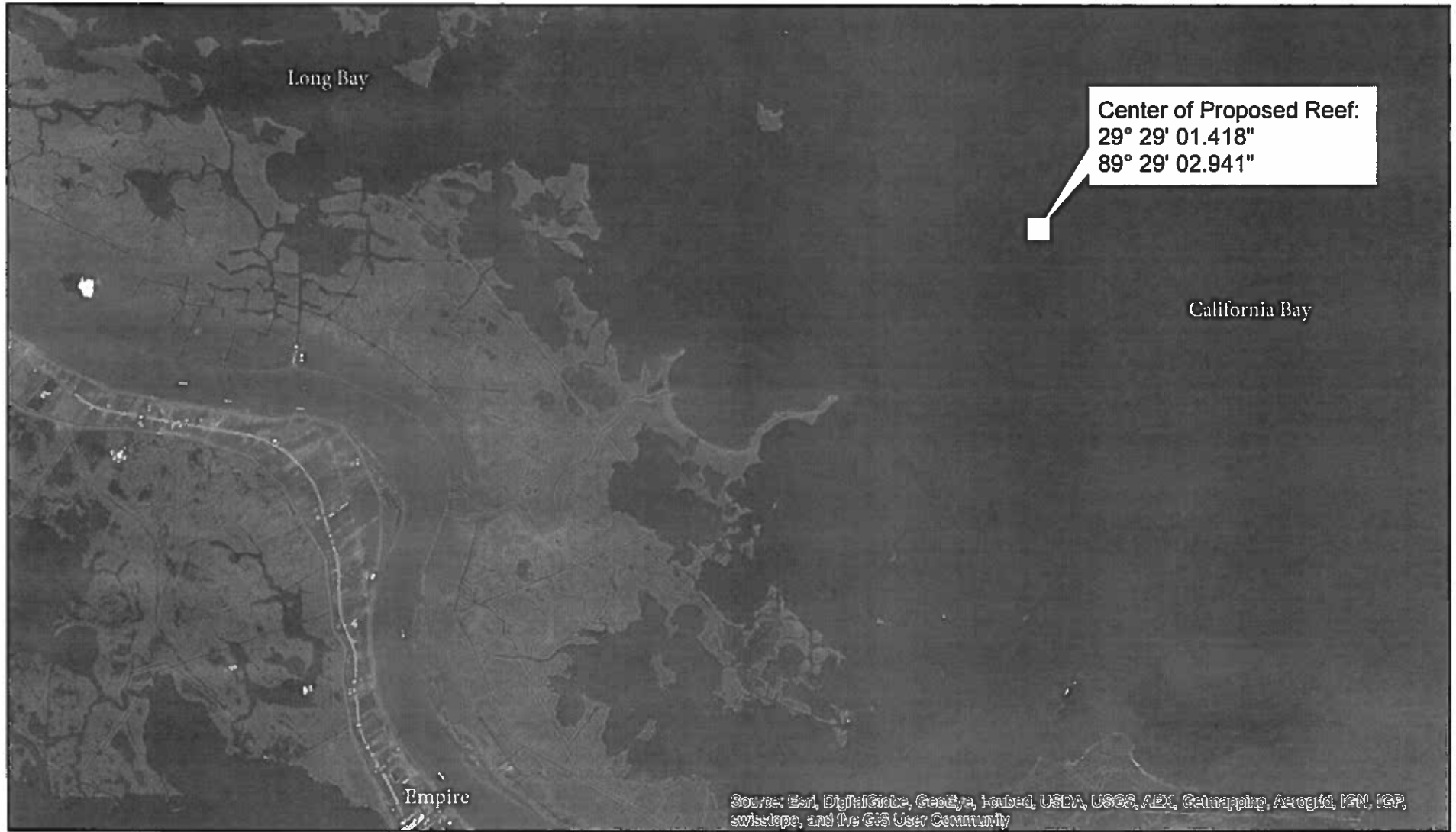
Vicinity Map: Proposed California Point Reef

Not to be used for navigational purposes



Date: 2/15/2017

Louisiana Artificial Reef Program



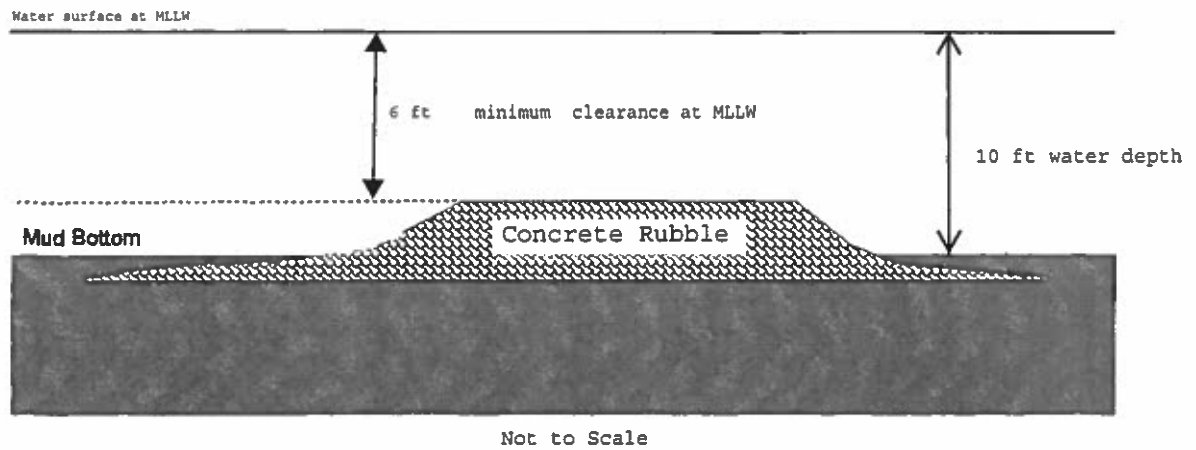
Plan View Map: Proposed California Point Reef

Not to be used for navigational purposes



Date: 2/15/2017

General Material Deployment



**Cross Section View of
Proposed California Point Reef
February 13, 2017**

STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES

During in-water work in areas that potentially support manatees all personnel associated with the project shall be instructed about the potential presence of manatees, manatee speed zones, and the need to avoid collisions with and injury to manatees. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972 and the Endangered Species Act of 1973. Additionally, personnel shall be instructed not to attempt to feed or otherwise interact with the animal, although passively taking pictures or video are acceptable.

All on-site personnel are responsible for observing water-related activities for the presence of manatee(s). To minimize potential impacts to manatees in areas of their potential presence, the permittee shall insure the following are adhered to:

- All work, equipment, and vessel operation shall cease if a manatee is spotted within a 50-foot radius (buffer zone) of the active work area. Once the manatee has left the buffer zone on its own accord (manatees must not be herded or harassed into leaving), or after 30 minutes have passed without additional sightings of manatee(s) in the buffer zone, in-water work can resume under careful observation for manatee(s).
- If a manatee(s) is sighted in or near the project area, all vessels associated with the project shall operate at "no wake/idle" speeds within the construction area and at all times while in waters where the draft of the vessel provides less than a four-foot clearance from the bottom. Vessels shall follow routes of deep water whenever possible.
- If used, siltation or turbidity barriers shall be properly secured, made of material in which manatees cannot become entangled, and be monitored to avoid manatee entrapment or impeding their movement.
- Temporary signs concerning manatees shall be posted prior to and during all in-water project activities and removed upon completion. Each vessel involved in construction activities shall display at the vessel control station or in a prominent location, visible to all employees operating the vessel, a temporary sign at least 8½" X 11" reading language similar to the following: "CAUTION BOATERS: MANATEE AREA/ IDLE SPEED IS REQUIRED IN CONSTRUCTION AREA AND WHERE THERE IS LESS THAN FOUR FOOT BOTTOM CLEARANCE WHEN MANATEE IS PRESENT". A second temporary sign measuring 8½" X 11" shall be posted at a location prominently visible to all personnel engaged in water-related activities and shall read language similar to the following: "CAUTION: MANATEE AREA/ EQUIPMENT MUST BE SHUTDOWN IMMEDIATELY IF A MANATEE COMES WITHIN 50 FEET OF OPERATION".
- Collisions with, injury to, or sightings of manatees shall be immediately reported to the Service's Louisiana Ecological Services Office (337/291-3100) and the Louisiana Department of Wildlife and Fisheries, Natural Heritage Program (225/765-2821). Please provide the nature of the call (i.e., report of an incident, manatee sighting, etc.); time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.