



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
P.O. BOX 60267  
NEW ORLEANS LA 70160-0267

Operations Division  
Eastern Evaluation Section

AUG 11 2015

SUBJECT: MVN-2010-1106-EII

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

Gentlemen,

As requested in your application dated April 20, 2015, the authorization granted by the Secretary of the Army in a permit dated August 25, 2010, from the District Engineer at New Orleans, Louisiana, to place approximately 20,000 cubic yards of limestone over approximately 50.5 acres of waterbottom, for the purpose of enhancing fishing opportunities in the State of Louisiana, in accordance with the drawings attached in four sheets, sheets 1,3 and 4 dated April 5, 2010 and sheet 2 dated April 6, 2010, in the vicinity of submerged, Independence Island in Jefferson Parish, is specifically extended to August 31, 2018.

The conditions, to which the work is made subject, excepting the time limit for completion, remain in full force and effect.

In addition, you must comply with the enclosed: "STANDARD MANATEE CONDITIONS FOR IN-WATER ACTIVITIES".

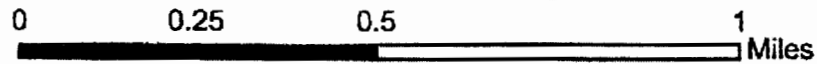
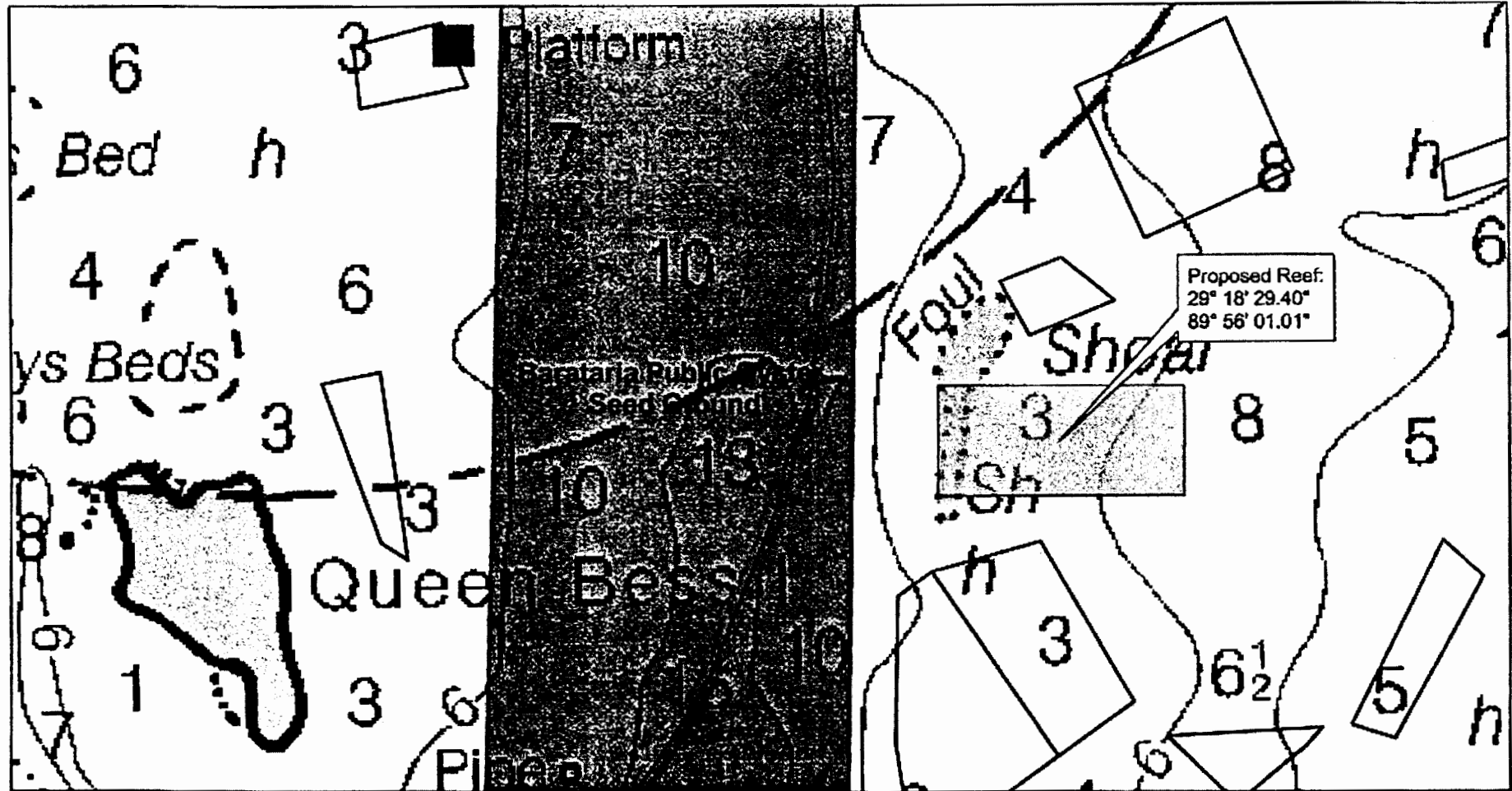
If the structures or work authorized are not completed on or before the date herein specified, this authorization, if not previously revoked or specifically further extended, will cease and become null and void.





BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer  
Chief, Regulatory Branch  
for  
Richard L. Hansen  
Colonel, U. S. Army  
District Commander



# Louisiana Artificial Reef Program



-  Public Oyster Seed Ground
-  Proposed Reef
-  Oyster Leases
-  Endymion Pipeline (portion near Ind. Island)

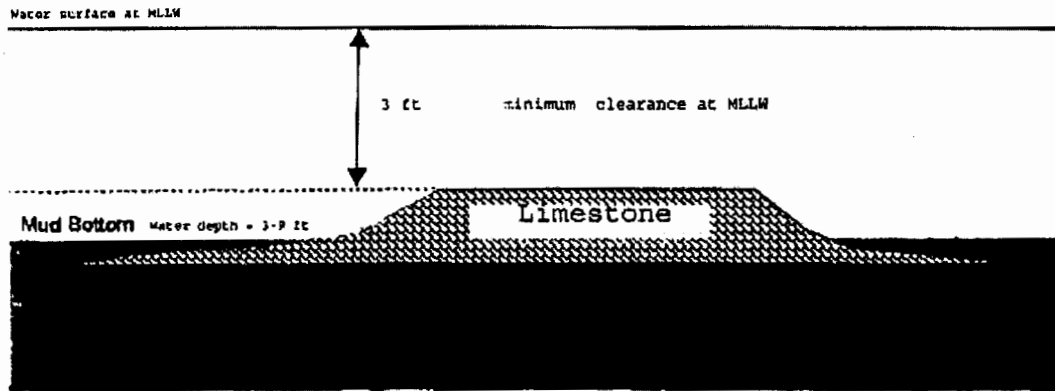
## Plan View Independence Island Reef

04/06/2010



Not to be used for navigational purposes

### Proposed Independence Island Reef- Profile View

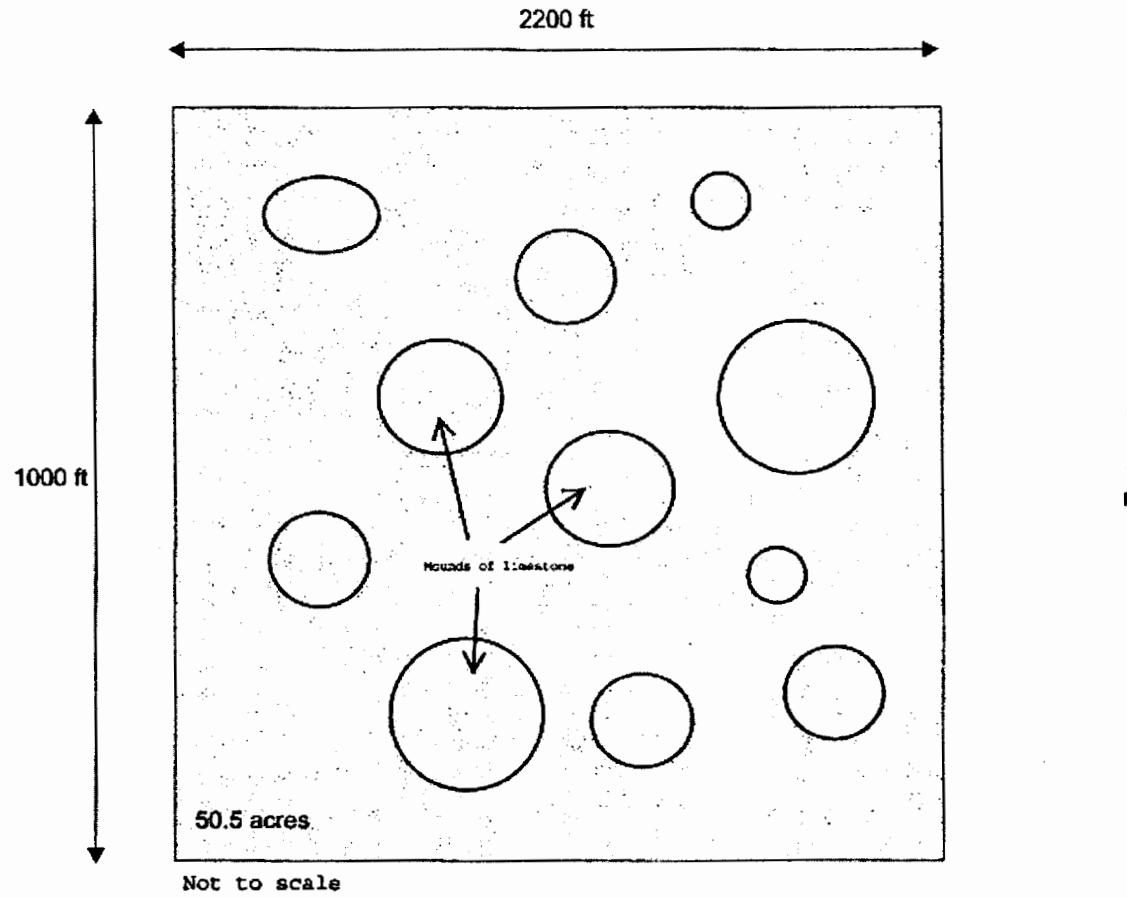


Not to scale

**Cross Section View of  
Independence Island Reef**  
April 5, 2010

3

TYPICAL DISTRIBUTION OF LIMESTONE  
WITHIN PROPOSED ARTIFICIAL REEF CONSTRUCTION SITE



7

Plan View: Independence Island Reef

April 5, 2010

## **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 and aware of the potential presence of manatees, manatee speed zones, and the need to avoid collisions with, and injury to, manatee. 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.

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 U.S. Fish and Wildlife 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.