



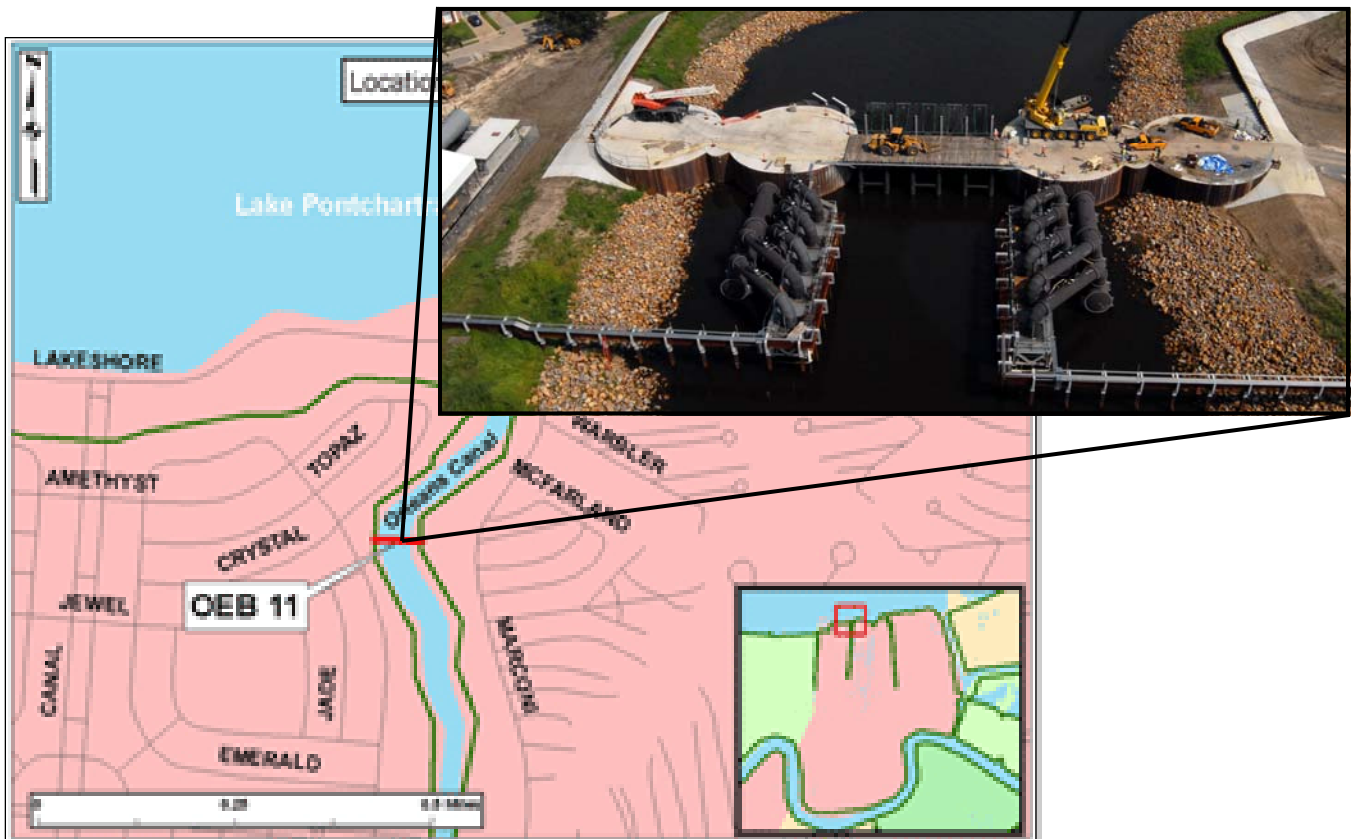
US Army Corps
of Engineers ®
Hurricane Protection Office

Orleans Outfall Canal

Project Fact Sheet

The Orleans Avenue Outfall Canal is located between the 17th St. and London Avenue Canals, and extends approximately 1.8 miles from Pumping Station #7 to Lake Pontchartrain. The project includes the construction of an interim gated flood control structure on the canal at Lake Pontchartrain. This structure has five panel gates that will be open under normal conditions and closed during rising Lake Pontchartrain surge from impending tropical storm activity. When the gates are closed, pumps will move water out of the drainage canal, around the closed gates and into Lake Pontchartrain.

- The structure has 10 temporary pumps with a current pumping capacity of 2,200 cubic feet per second. At this rate, the pumps could fill the average back yard swimming pool in about one second.
- The five massive gate panels are 35.5 feet tall and nearly 12 feet wide. They are supported by structures called jackets. The jackets are anchored to a depth of 110 feet.
- Rounded concrete cells, 46 feet in diameter, provide support for the pumps' discharge pipes and integrate the gated structure with the earthen levee. Anchoring the cells and providing support for the discharge pipe are H-piles that are driven more than 66 feet.



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Stronger Protection for New Orleans

The U.S. Army Corps of Engineers work to upgrade the flood and storm protection system will continue through 2010. The Corps will engineer, construct and improve storm flood protection infrastructure to a 100-year protection level. This work includes stronger levees, floodwalls and interior drainage, including:

- Constructing permanent pump and flood gate structures to block storm surges from entering the 17th St., Orleans Avenue, and London Avenue Canals.
- Replacing I-wall design floodwalls with stronger T-wall or L-wall design floodwalls
- Raising levees to their authorized levels and eventually to the 100-year level protection.

The federal government has appropriated more than \$5 billion to complete the work of restoring and improving the hurricane protection system. The work currently consists of more than 100 planned construction projects to restore the system to authorized levels. A majority of these construction projects will be awarded to local businesses.



Orleans Avenue Outfall Canal Interim Closure structure under construction.