



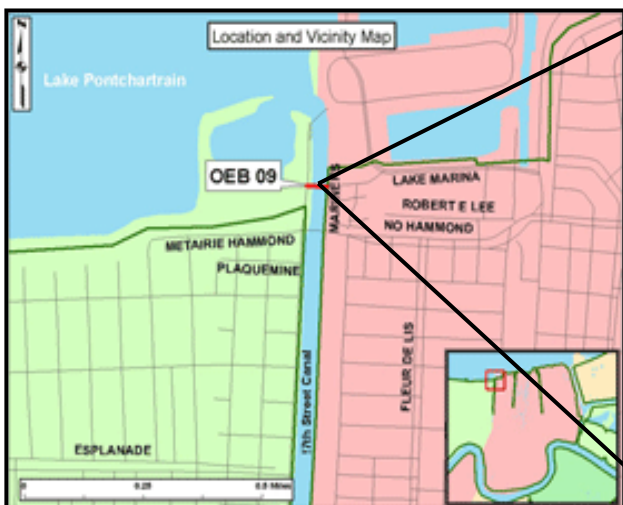
US Army Corps  
of Engineers®  
Hurricane Protection Office

# 17<sup>th</sup> Street Outfall Canal

## Project Fact Sheet

The 17<sup>th</sup> St. Outfall Canal extends approximately 2.4 miles north from Pump Station No. 6 to Lake Pontchartrain. It is the boundary between Orleans and Jefferson Parishes, entities that share in the canal's management and maintenance.

- This interim gated closure structure is operational and can provide protection against storm surge. The structure is located at the outfall of 17<sup>th</sup> St. Canal at Lake Pontchartrain. To protect the canal, the structure includes a series of 11 panel gates that will be open under normal conditions and closed during impending storm surge due to tropical storm activity.
- Each gated panel is nearly 12 feet wide, 27 feet tall and more than 15 inches thick. The panels weigh approximately 11 tons and are heavily reinforced for strength.
- Currently there are 18 temporary pumps on this site with the pumping capacity of 4,060 cubic feet per second. By late July to mid-August 2007, the pumping system will be able to evacuate water at a rate of 7,600 cubic feet per second. That is the equivalent of filling an Olympic-sized swimming pool in less than 12 seconds
- Currently there are temporary sheet piles providing protection where I-walls were breached at 17<sup>th</sup> St. Canal. These sheet piles will be replaced by stronger, wider T-walls.
- With the new structure in place, the city has better protection than ever before. When storm surge threatens the safe water level in the canal, the gates will close to block the surge and pumps will evacuate the water through the structure into Lake Pontchartrain.



APR 2007



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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.

