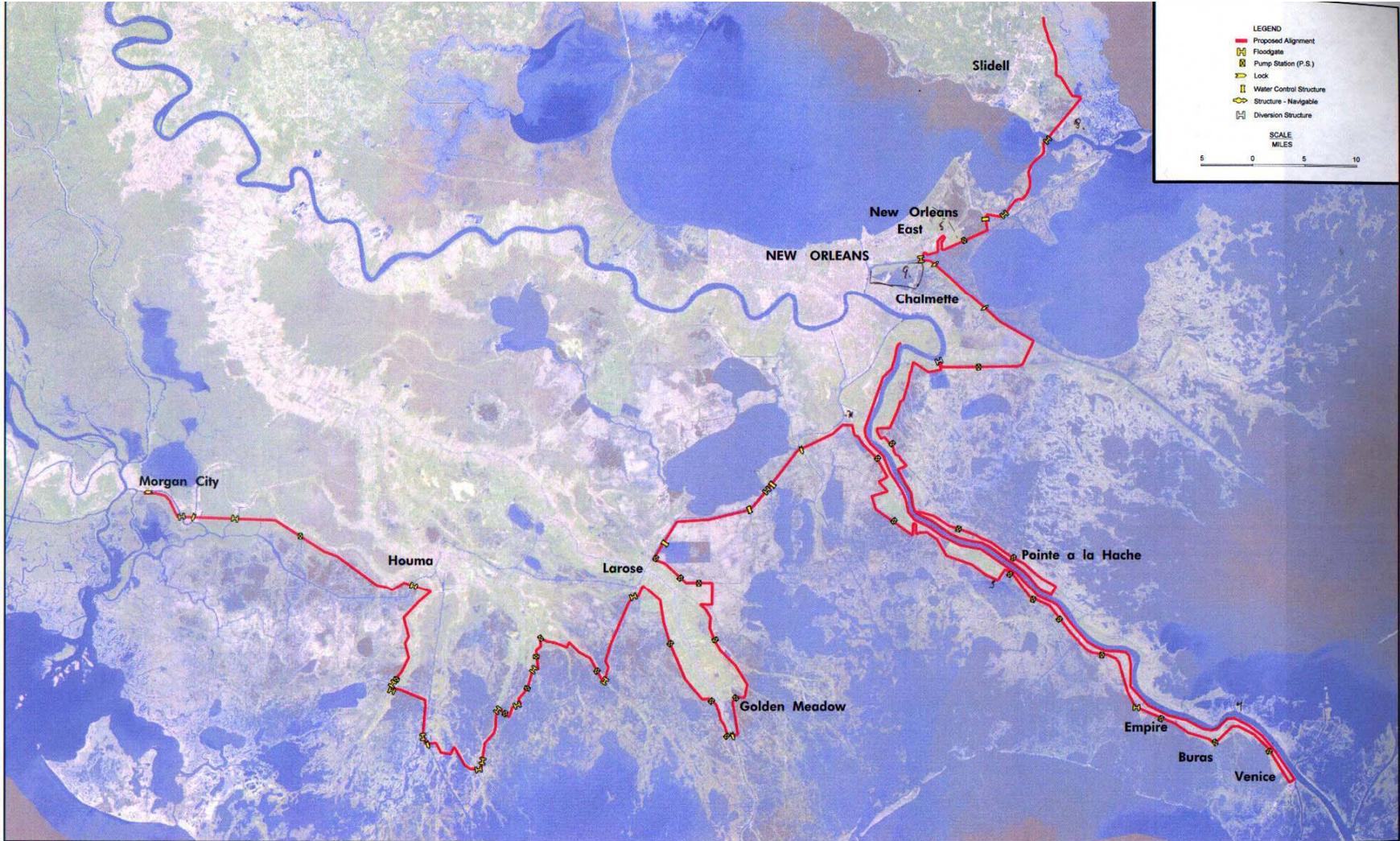


Legend

-  LA Coastal Zone
-  LA Coastal Wetlands Conservation Plan

LA COASTAL ZONE AND CONSERVATION PLAN BOUNDARY



Potential "Lines of Defense" in Southeast Louisiana



Figure 3: The proposed distribution of Lines of Defense in southeast Louisiana: 1) Gulf of Mexico shelf, 2) barrier islands, 3) sounds, 4) marsh landbridges, 5) natural ridges, 6) manmade ridges, 7) flood gates, 8) flood levees, 9) pumping stations, 10) elevated homes & buildings, and 11) evacuation routes

Figure 3 is a draft representation of potential Lines of Defense in southeast Louisiana. The map was interpreted manually from coastal information. More accurate methods using GIS and spatial analysis should be used to develop a final map representation of the Lines of Defense.

**Model of Multiple “Lines of Defense” (LOD) to Reduce the Impact of Tropical Weather Systems to the Louisiana coast
(Scale is vertically exaggerated and approximate)**

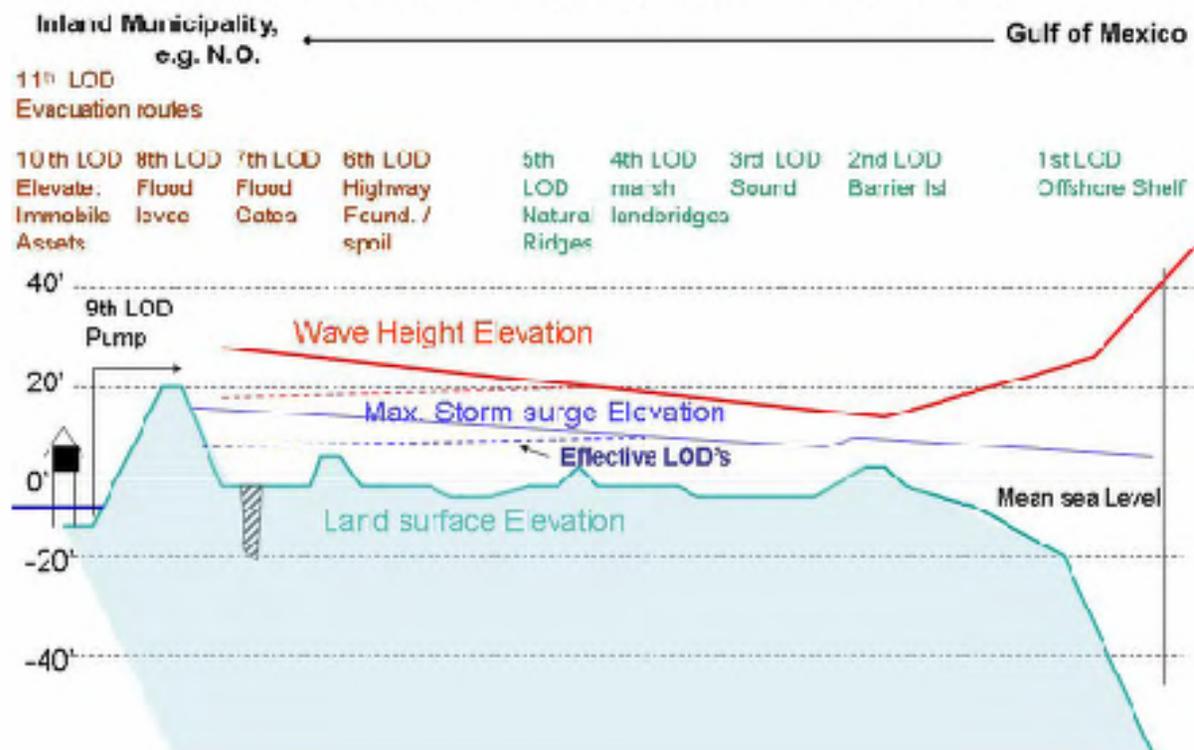
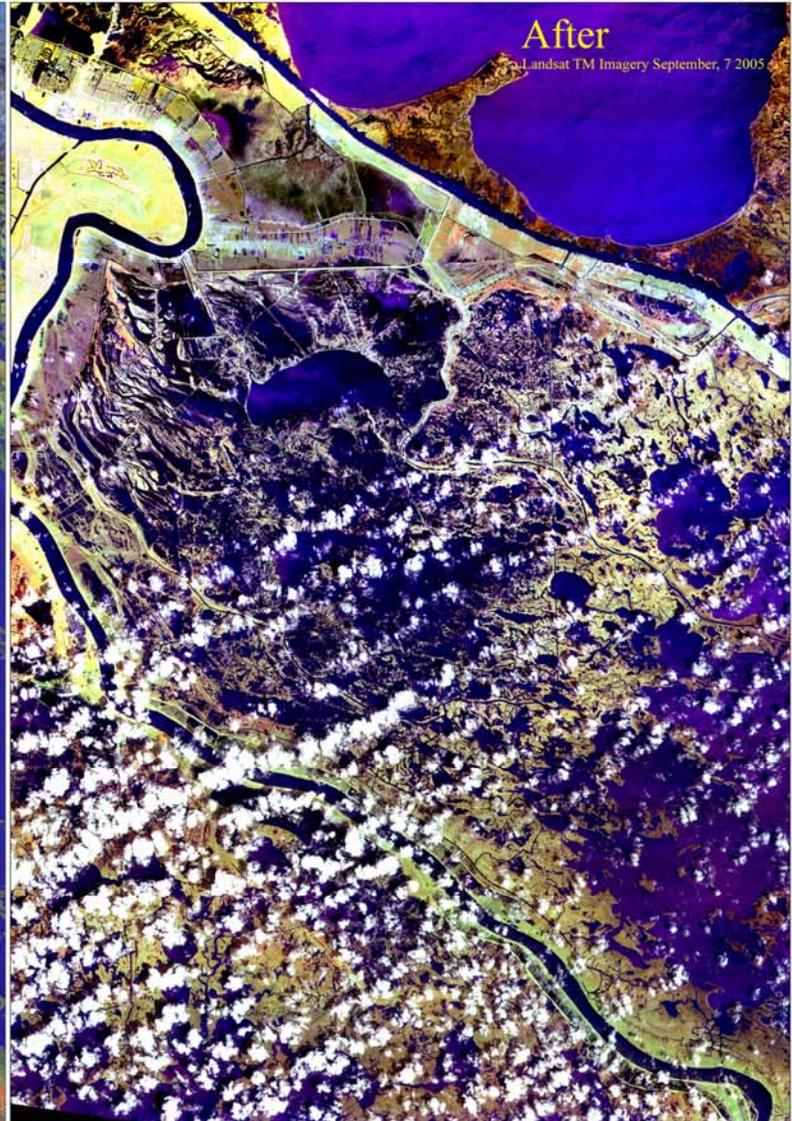


Figure 2: Diagrammatic profile of the general coast of south Louisiana indicating the eleven Lines of Defense identified. Lines of Defense are natural or manmade features that contribute to the abatement of storm damage. One through five are natural landscape Lines of Defense. Six through eleven are manmade Lines of Defense which may through design or incident provide a measure of reduction in storm damage. All eleven Lines of Defense may be influenced by human activities.

Breton Sound Basin Before and After Hurricane Katrina



Map Produced By: USGS
National Wetlands Inventory
Landsat Remote Sensing Division
Data provided by: Louisiana Technical Marine Institute
Map Date: 11/24/2005, 12/20/05, 01/20/06
Map Date: September 9, 2005





New Orleans Before and After Hurricane Katrina



Map Produced By: USGS
National Wetlands Research Center
Central Louisiana Field Station
Bogalusa, Louisiana
Map Date: September 8, 2005



Before

Landsat TM Imagery April 16, 2005



After

Landsat TM Imagery September 7, 2005