

### ALTERNATIVE 3

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Items or concerns	Site A: Hebert Canal	Site B: Meaux's Ditch	School Board Levee	7 <sup>th</sup> Ward Levee
	Install water control structure	Install water control structure	Reinforce levee between the two control structures 1.5 miles	Reinforce Approx. 7.5 miles of levee as needed
	Location: 1.7 miles South of existing Hebert Canal structure	Location: Meaux's Ditch and LA 333	Location: South of School Board Property Rd	Location: Levee West of Hebert Canal and along 7 <sup>th</sup> Ward Canal heading North to Hwy 82
<b>Fisheries</b>	<p>Installation of a control structure on Hebert Canal southward may reduce fisheries production from the existing Hebert Canal structure westward to the 7th Ward Canal (~ 4,000 acres). The degree that access is reduced would depend on the water control structure type and operation.</p> <p>Installation of a control structure on Meaux's Ditch eastward to the Hwy 333 intersection near the Vermilion River may only slightly impact fisheries due to the presence of levees with roads north and south of that ditch. There may be no connections to the adjacent marshes via the eastern portion of Meaux's Ditch.</p> <p>The existing levee south of the School Board section may be 4 to 5 feet above mean sea level (Google Earth). Therefore, fisheries access may have already been reduced by the existing levee and elevating it higher may not reduce fisheries access any further. Dredging and placement of spoil (dredged material) would impact a small amount of existing marsh. Levee west of HC may reduce fisheries access to a 1,000 -acre area. (Low Impacting Alternative)</p>			
<b>Wetlands</b>	<p>The proposed installation of a water control structures should pose minimal long-term wetland impacts as most of the footprint will occur over waters and not affect adjacent wetland areas. Impacts through access and workspace will be temporary in nature and should not result in any permanent wetland impacts or mitigation obligations. Short-term impacts include potential erosion from the construction sites, access, and temporary uses during construction. There is a potential for spills or leaks of industrial fluids during construction which could impact wetland and riparian vegetation and soils. BMP's should be implemented to minimize impacts to wetland and riparian areas</p>			

	<p>The reinforcement of the levee between the 2 water control structures (adjacent to School Board Property) and 7<sup>th</sup> Ward Canal Levee may result in a long-term loss of wetlands if the footprint of the levees is expanded or if the material used to reinforce the levee are excavated from wetland areas. A significant portion of the southern side of the School Board levee is classified as</p> <ul style="list-style-type: none"> <li>- freshwater emergent wetland habitat (PEM1Fh)</li> </ul> <p>An entire portion of the southern side of the 7<sup>th</sup> Ward levee is classified as</p> <ul style="list-style-type: none"> <li>- freshwater emergent wetland habitat (PEM1Fh) and</li> <li>- estuarine and marine wetland habitat (E2EM1P).</li> </ul> <p>Construction and ground disturbance could result in the introduction or spread of invasive vegetation into adjacent wetland and riparian habitats. The extent of mitigation required is dependent on the amount of direct impacts to these wetland areas. It is recommended that no permanent impacts to wetlands through construction occur in this area.</p>
<b>Cultural Resources</b>	SHPO determined <i>no effect</i> on cultural and historic sites