

Use Support Summary

2008 Texas Water Quality Inventory and 303(d) List

(March 19, 2008)

The Texas Water Quality Inventory is prepared by the Texas Commission on Environmental Quality (TCEQ) and submitted to the United States Environmental Protection Agency (EPA) biennially on even numbered years in accordance with Section 305(b) of the Clean Water Act (CWA). Due to the enabling legislation, the Inventory is often called the 305(b) report. The 305(b) report allows the public, local governments, state agencies, the Texas Legislature, the EPA, and Congress to evaluate water quality in Texas. Water bodies that do not support their Water quality standards, and for which existing controls are not adequate, are placed on the 303(d) list of impaired water bodies [as required under CWA Section 303(d)]. The report is also published on the TCEQ web site as the *Texas Water Quality Inventory and 303(d) List*.

The Inventory describes the status of all surface water bodies of the state that were evaluated for the given assessment period. The TCEQ uses data collected during the most recent five-year period in making its assessment. The data are gathered by many different organizations that all operate according to approved quality control guidelines and sample collection procedures. The quality of waters described in the Inventory represents a snapshot of conditions during the limited time period considered in the assessment. The period of record for water quality data and information used in the 2008 Inventory and List is December 1, 1999 to November 30, 2006.

Table 1 describes monitoring and assessment information compiled for each of Texas's major water body types: streams, reservoirs, estuaries, and gulf waters. Overall use attainment status of uses for each of the water body types has been prepared and includes the recent assessment information developed for 2008. *See next page.*

Table 1. Overall Use Attainment for All Water Body Types

	Streams (Miles)		Reservoir (Acres)		Estuary (Square miles)		Ocean Shoreline (Miles)	
Total Unit Size in Texas	191,228		1,994,600		2,393		388	
Monitoring Information								
Total unit size with adequate data for assessment	20,158	11%	1,568,749	79%	2,078	87%	388	100%
Total unit size with insufficient data and information	171,070	89%	425,851	21%	315	13%	0	0%
Assessment Information								
Total unit size assessed	20,158	11%	1,568,749	78%	2,078	87%	388	100%
Total unit size meeting one or more of its Uses	12,238	7%	987,418	49%	1,437	60%	0	0%
Total unit size not supporting one or more of its Uses	7,920	4%	581,331	29%	641	27%	388	100%

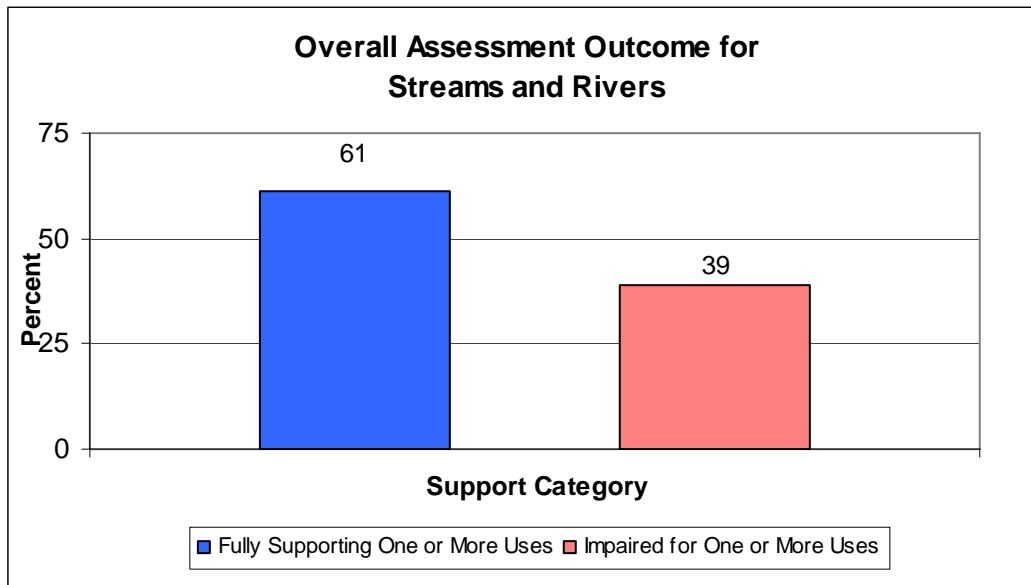
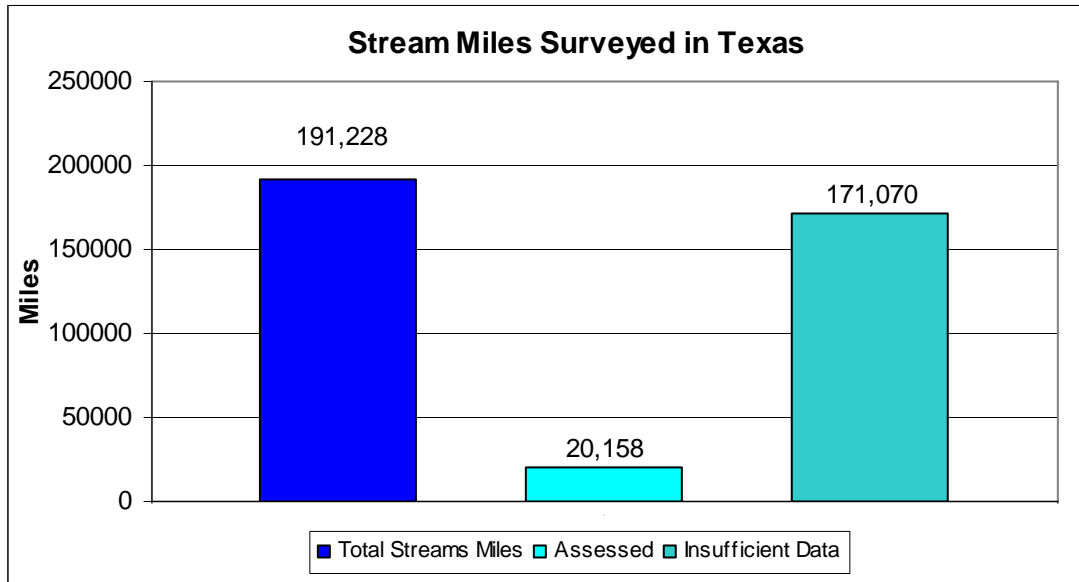
For each water body or portion of a water body where a designated use is not supported, the cause(s) were identified from available information and included in the Inventory. Table 2 describes cause of impairments for each of Texas’s major waterbody types: streams, reservoirs, estuaries, and gulf waters, as well as a total length or area for each cause.

Table 2. Size of Waterbodies Impaired by Causes

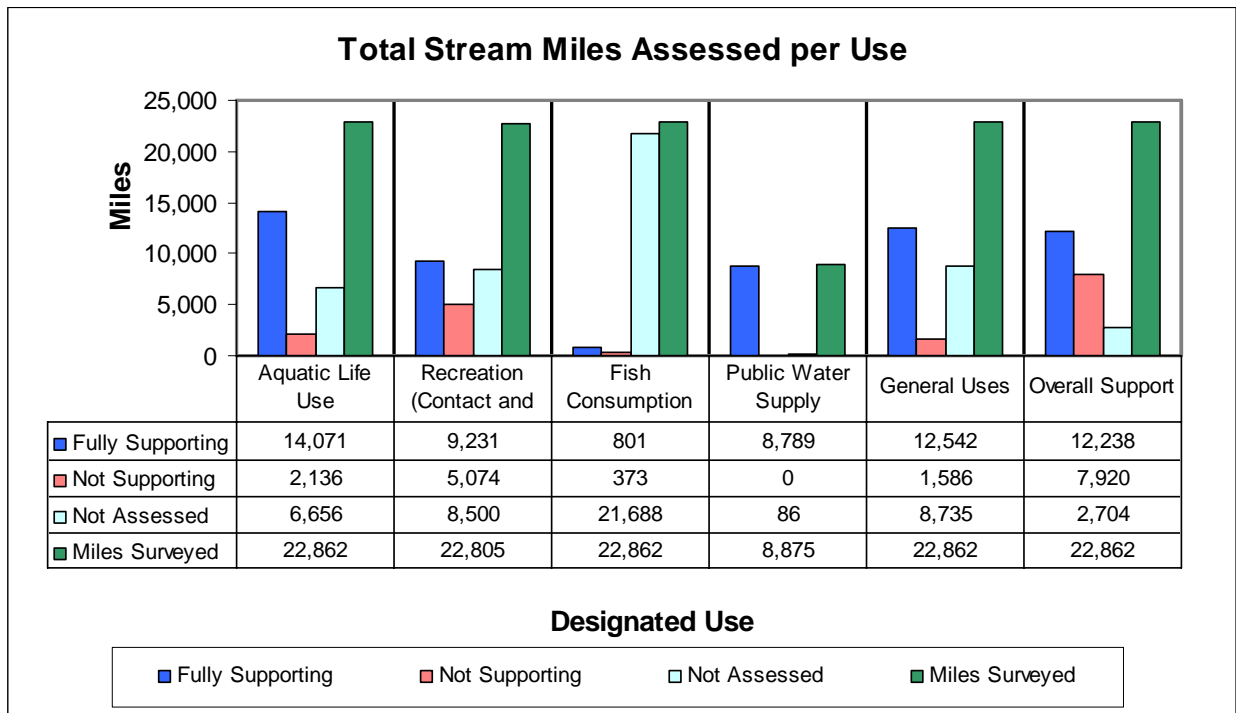
Cause	Streams (Miles)	Reservoir (Acres)	Estuary (Square Miles)	Ocean Shoreline (Miles)
aluminum in water	24			
bacteria	5,089	5,725	13	
bacteria (oyster waters)			368	
chlordane in edible tissue	170	2,710		
chloride	40,472	1,225		
DDD in edible tissue		2,710		

Cause	Streams (Miles)	Reservoir (Acres)	Estuary (Square Miles)	Ocean Shoreline (Miles)
DDE in edible tissue	67	2,710		
DDT in edible tissue		2,710		
depressed dissolved oxygen	1,567	32,404	265	
dieldrin in edible tissue	58	2,710		
dioxin in edible tissue	106		29	
excessive algal growth	86			
heptachlor epoxide in edible tissue	58	2,710		
impaired fish community	219	4,680		
impaired macrobenthic community	246			
lead in water	83			
mercury in edible tissue	110	361,232	2	388
mercury in water	3			
nitrate	27			
PCBs in edible tissue	325	8,142	29	
pH	164	87,378		
selenium in water	137			
sulfate	172	114,054		
total dissolved solids	568	33,474		
toxicity in sediment	5	1,559		
toxicity in water	74			
zinc in edible tissue			29	
zinc in water	3			

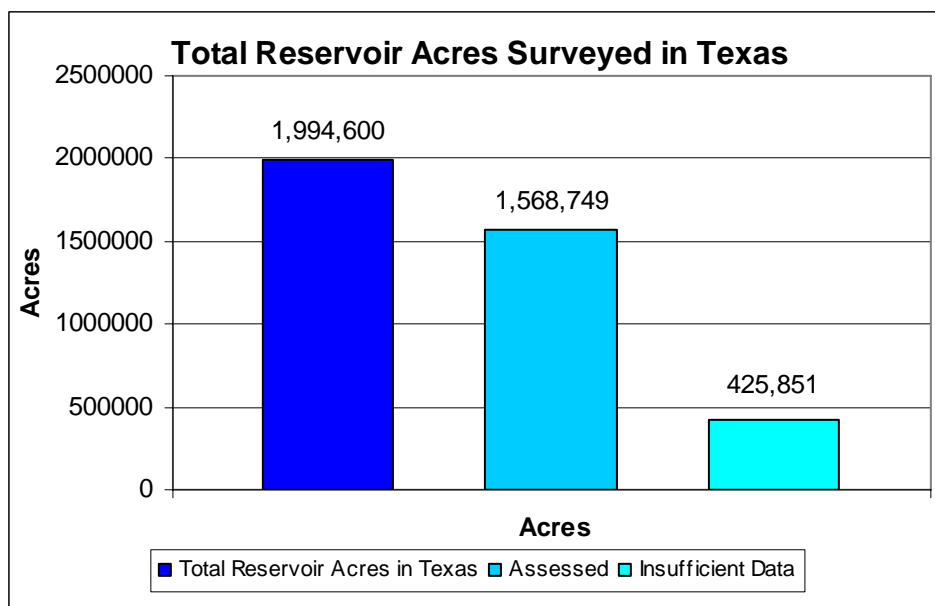
Assessment Summary for Streams and Rivers



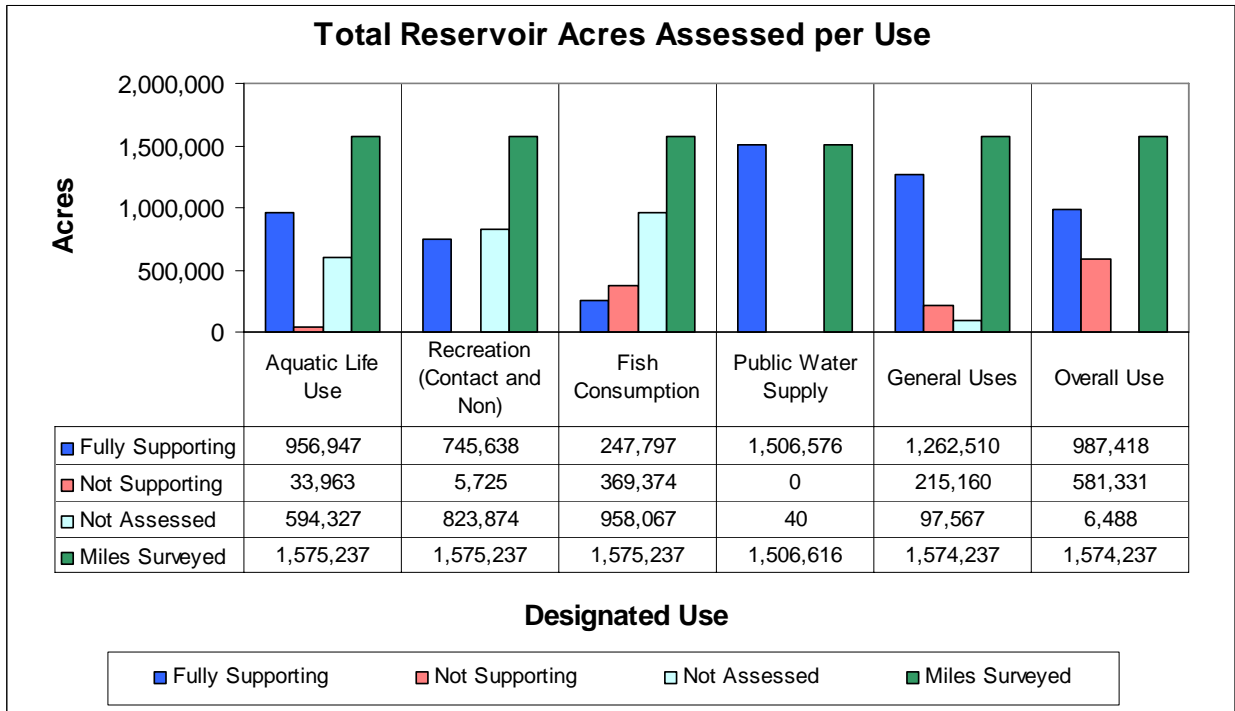
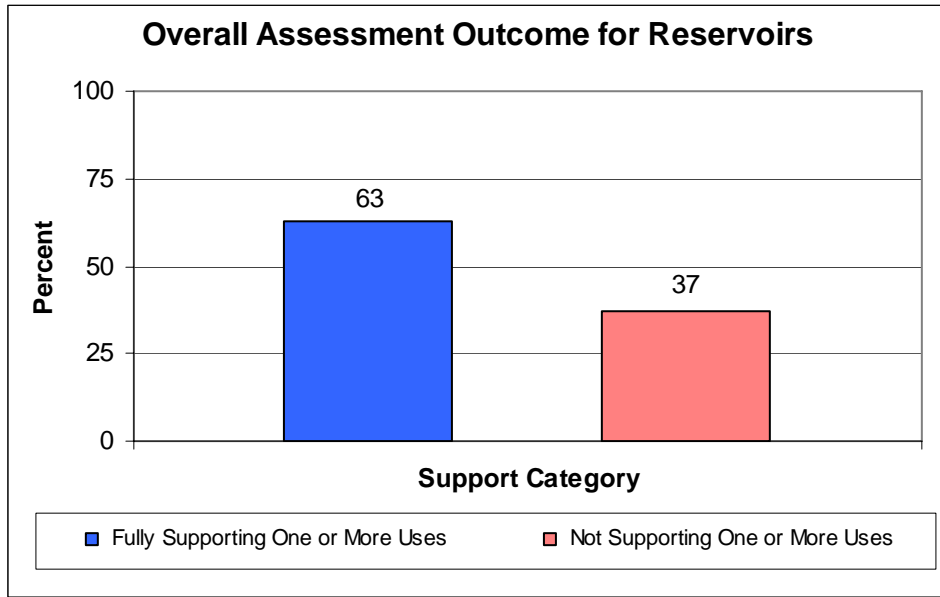
Assessment Summary for Streams and Rivers (Continued)



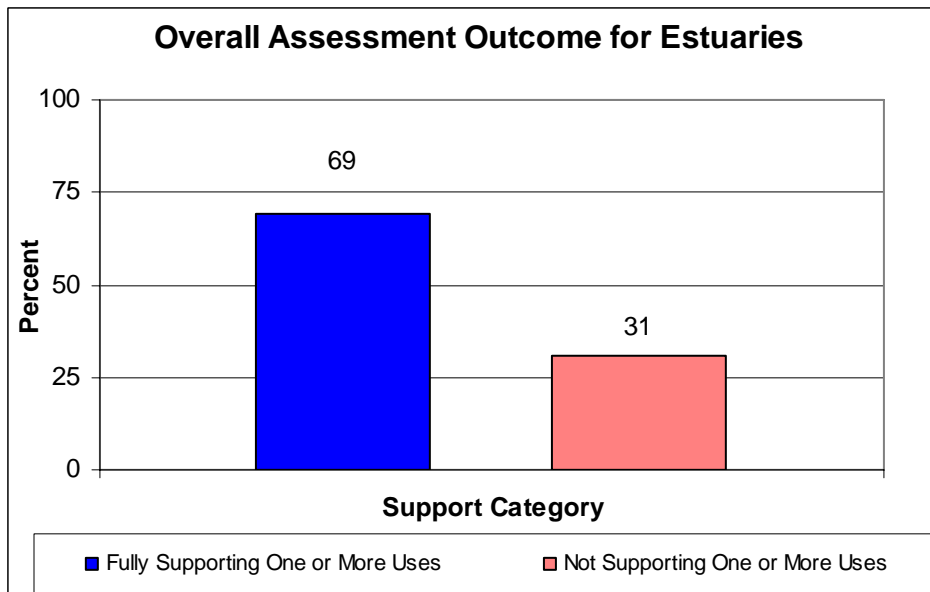
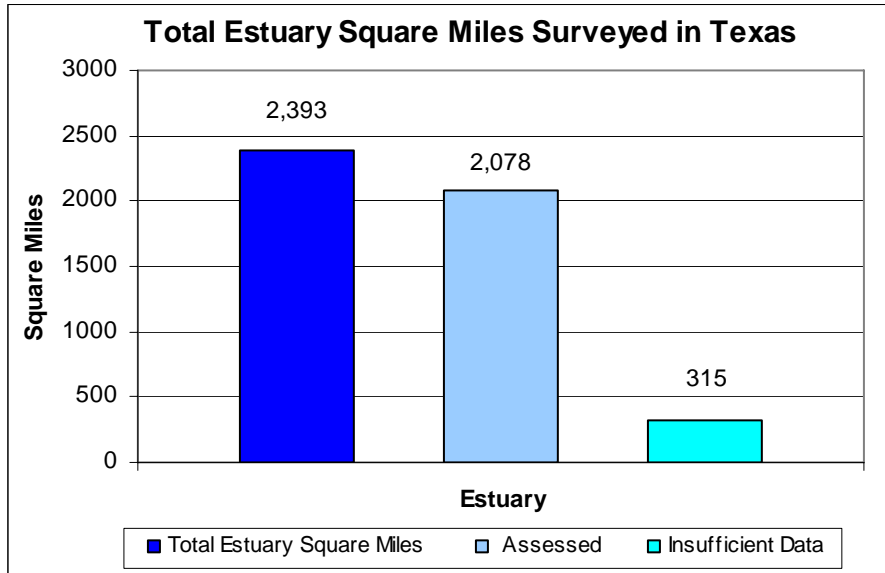
Assessment Summary for Reservoirs



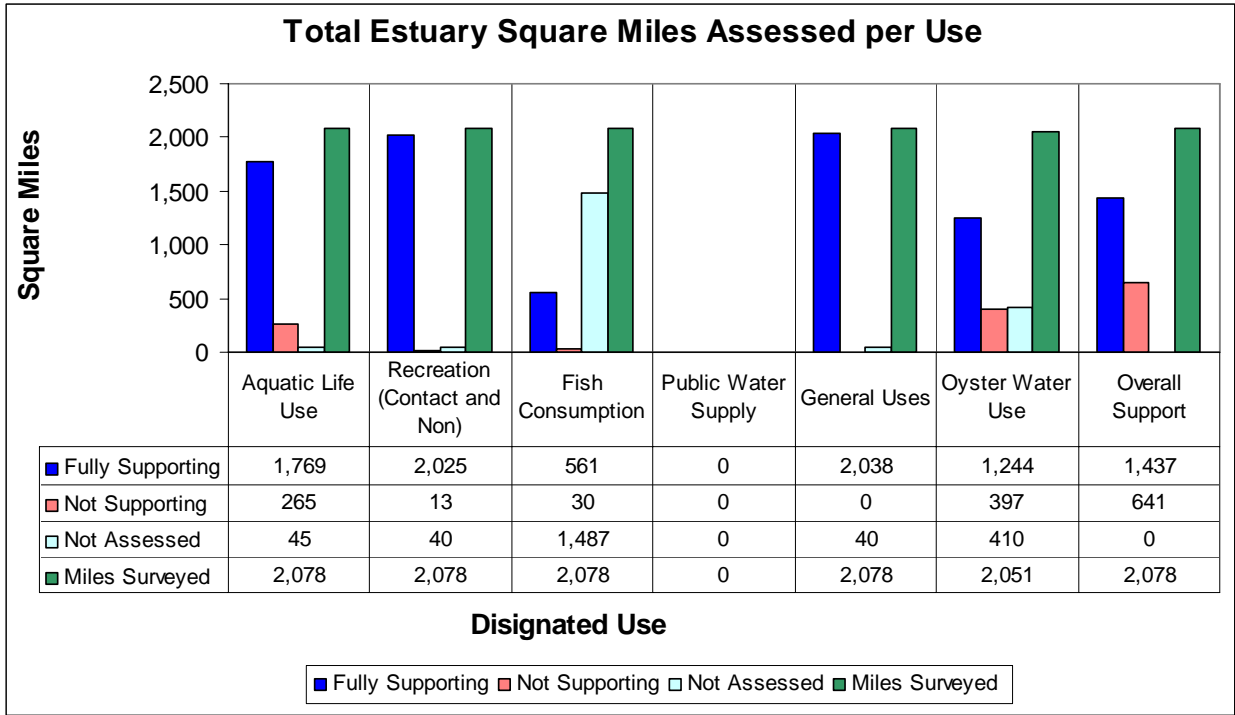
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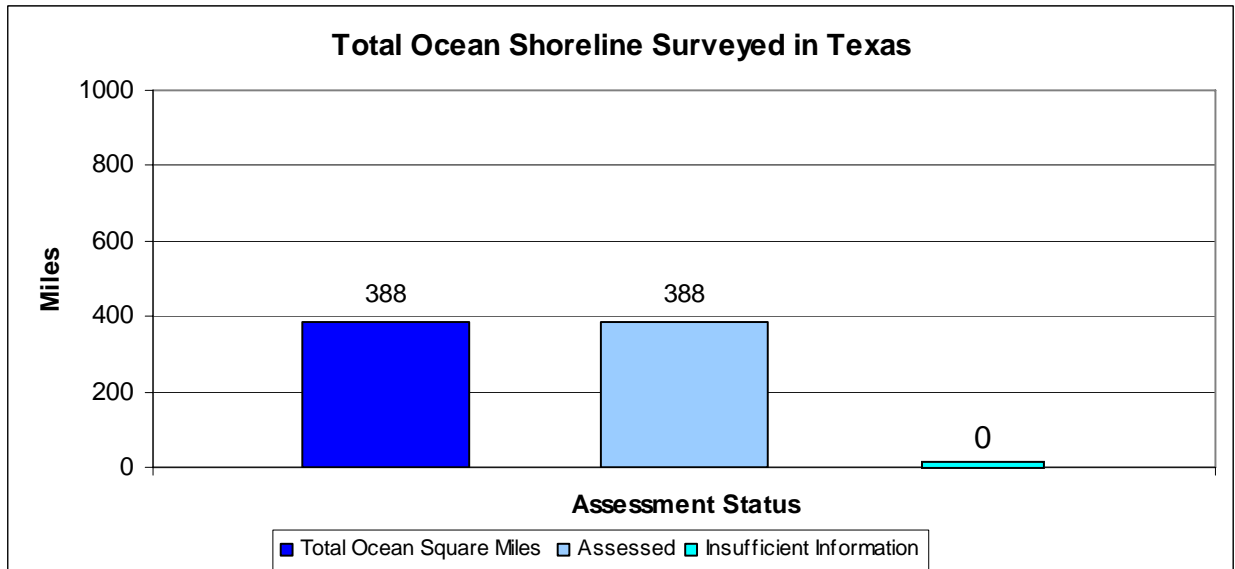
Assessment Summary for Estuaries



Assessment Summary for Estuaries (Continued)



Assessment Summary for Gulf of Mexico



Assessment Summary for Gulf of Mexico (Continued)

