

Use Support Summary

2010 Texas Integrated Report for Clean Water Act Sections 305(b) and 303(d)

(November 18, 2011)

The Texas Integrated Report 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).

The Integrated 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 uses included in the 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 Integrated Report for Clean Water Act Sections 305(b) and 303(d)*.

The Integrated Report describes the status of all surface water bodies of the state where data had been collected for the given assessment period. The TCEQ uses data collected during the most recent seven to ten-year period in making assessment determinations. 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 Integrated Report 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 2010 Integrated Report is December 1, 2001 to November 30, 2008.

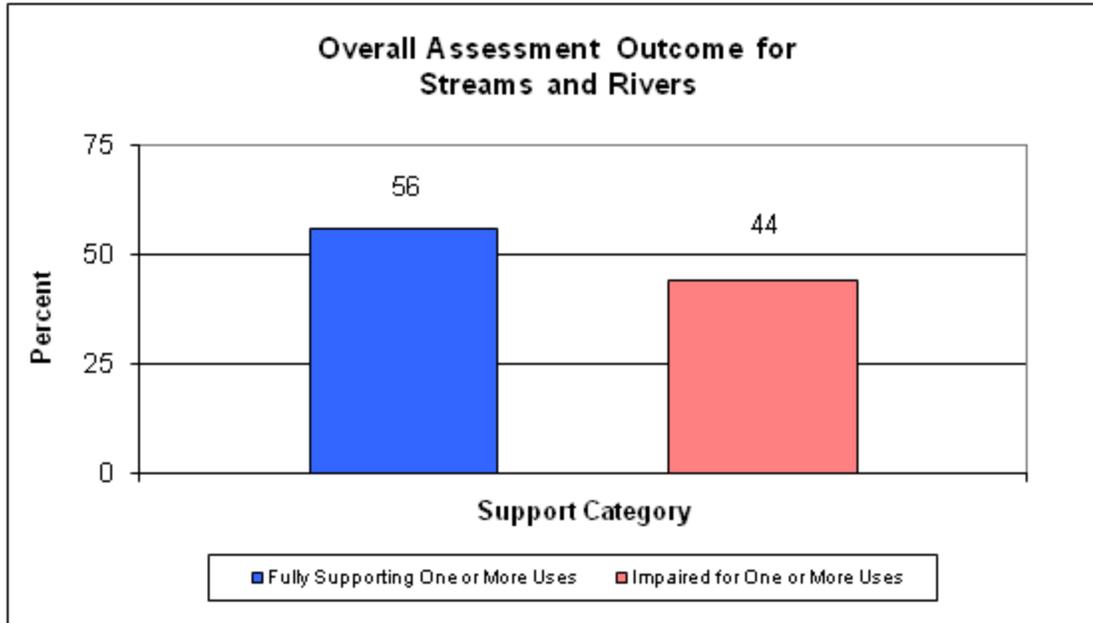
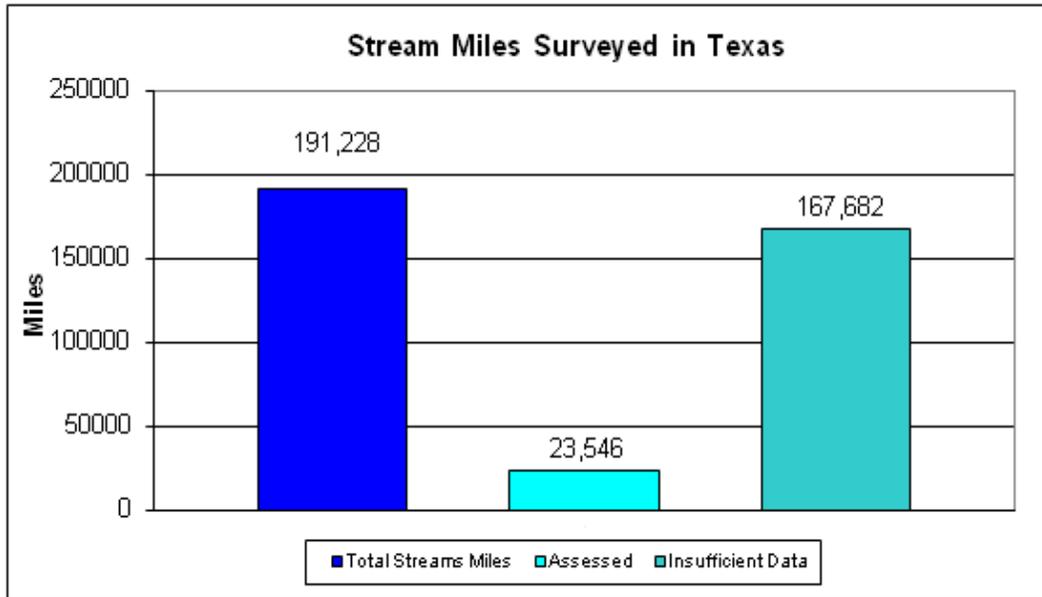
Table 1. Geographic extent of overall Use Attainment for All Water Body Types. This table describes monitoring and assessment information compiled for each of Texas's major water body types: streams, reservoirs, estuaries, ocean shoreline, recreational beaches, and oyster waters. Overall attainment status of uses for each of the water body types compiled by geographic extent has been prepared and includes the results developed for 2010.

	Streams (Miles)		Reservoir (Acres)		Estuary (Square miles)		Ocean Shoreline (Miles)		Recreational Beaches (Square miles)		Oyster Waters (Square miles)	
Total Unit Size in Texas	191,228		1,994,600		4,177		388		17.510		2,581	
Monitoring Information												
Total unit size with adequate data for assessment	23,546	12%	1,461,997	73%	4,146	99%	388	100%	7.863	45%	1,863	72%
Total unit size with insufficient data and information	167,682	88%	532,603	27%	31	1%	0	0%	9.647	55%	718	28%
Assessment Information												
Total unit size assessed	23,546	12%	1,461,997	73%	4,146	99%	388	100%	7.863	45%	1,863	72%
Total unit size meeting one or more of its Uses	13,226	7%	900,088	45%	2,978	71%	0	0%	7.792	45%	1,342	52%
Total unit size not supporting one or more of its Uses	10,320	5%	561,909	28%	1,168	28%	388	100%	0.071	<1%	521	20%

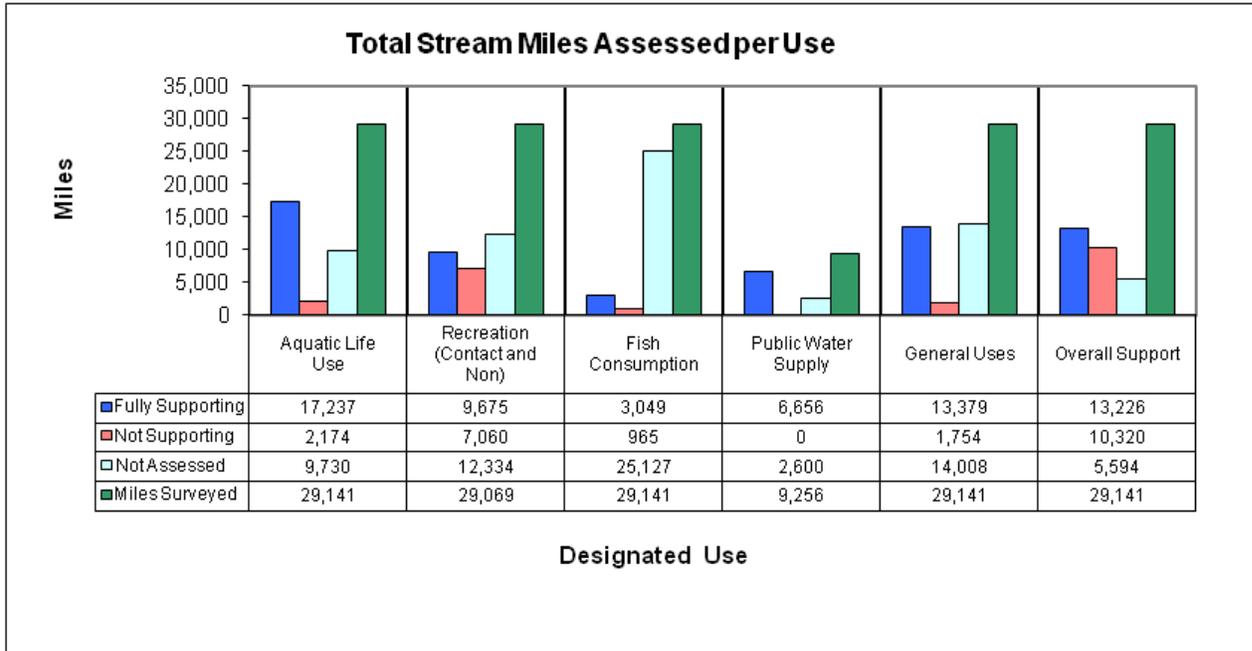
Table 2 Size of Waterbodies Impaired by Causes describes cause of impairments for each of Texas's major waterbody types: streams, reservoirs, estuaries, and gulf waters, as well as a total length or area for each cause. For each water body or portion of a water body where a designated use is not supported,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

Cause	Streams (Miles)	Reservoir (Acres)	Estuary (Square Miles)	Ocean Shoreline (Miles)	Recreational Beaches (Square Miles)	Oyster Waters (Square miles)
aluminum in water	7					
bacteria	7,108	4,647	105	27	0.071	
bacteria (oyster waters)	0					491
chlordane in edible tissue	73	2,434				
chloride	1,325	24,681				
DDD in edible tissue	1	1,371				
DDE in edible tissue	0	2,434				
DDT in edible tissue	69	2,434				
depressed dissolved oxygen	0	2,434				
dieldrin in edible tissue	2,086	25,998	614			
dioxin in edible tissue	73	2,434				
excessive algal growth	521		541			
heptachlor epoxide in edible tissue	92					
impaired fish community	73	2,434				
impaired macrobenthic community	201	3,732				
lead in water	201					
mercury in edible tissue	387	339,710	2	388		
mercury in water	3					
nitrate	28					
PCBs in edible tissue	641	7,975	541			
pH	176	91,801				
selenium in water	33					
sulfate	489	116,257				
total dissolved solids	990	60,190				
toxicity in sediment	11	1,409				
toxicity in water	17					
zinc in edible tissue	0					30
zinc in water	26					

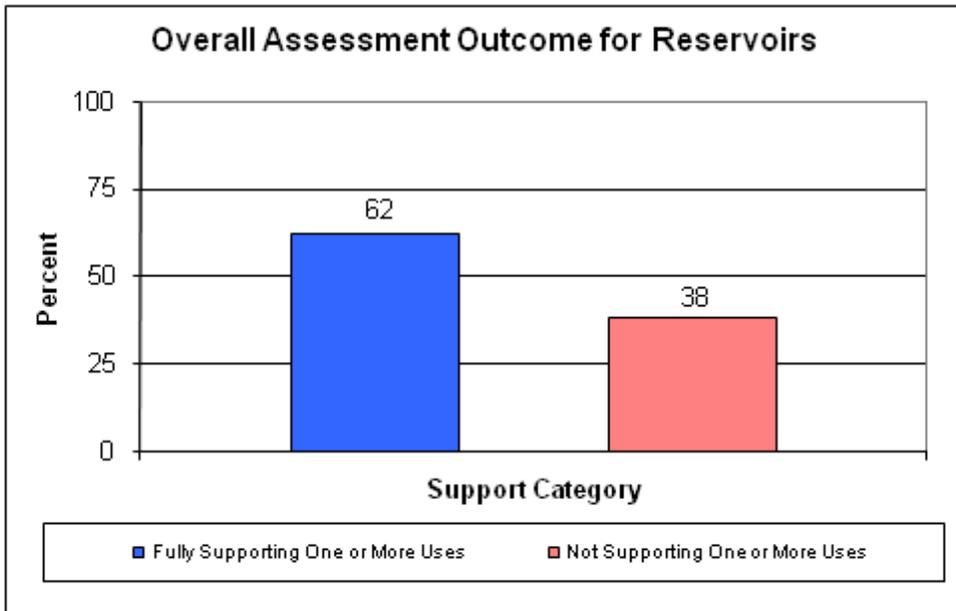
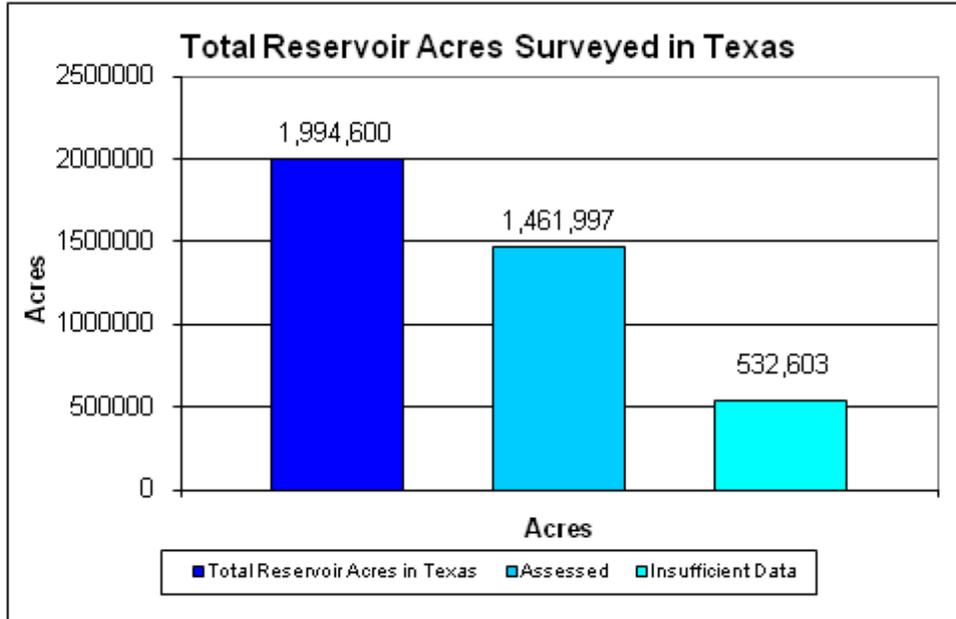
Assessment Summary for Streams and Rivers



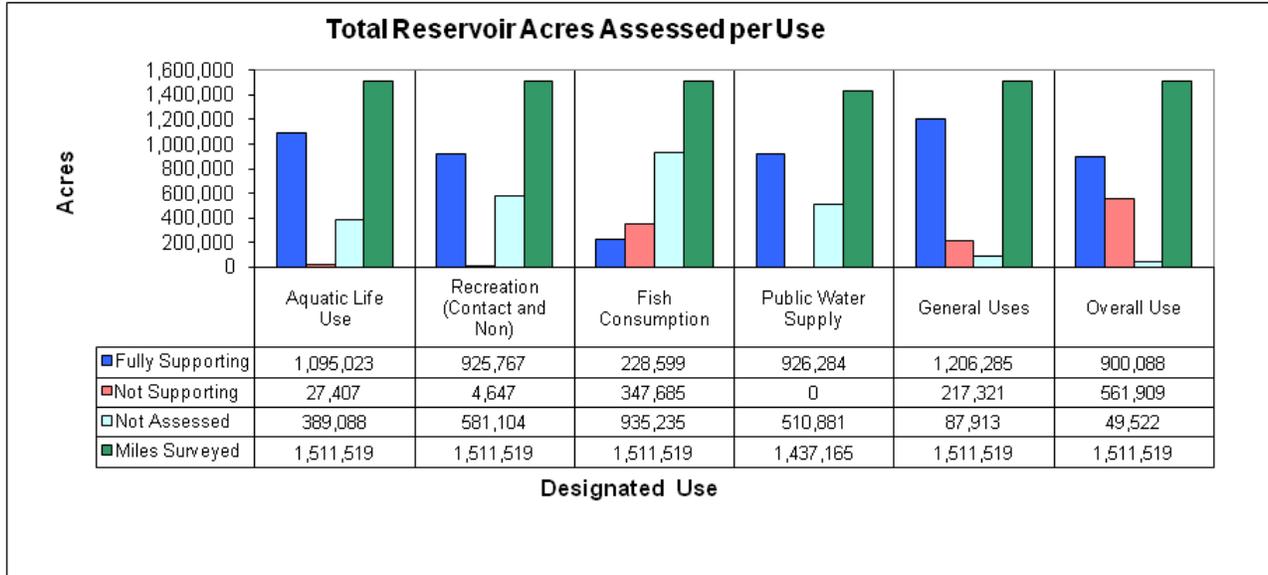
Assessment Summary for Streams and Rivers (Continued)



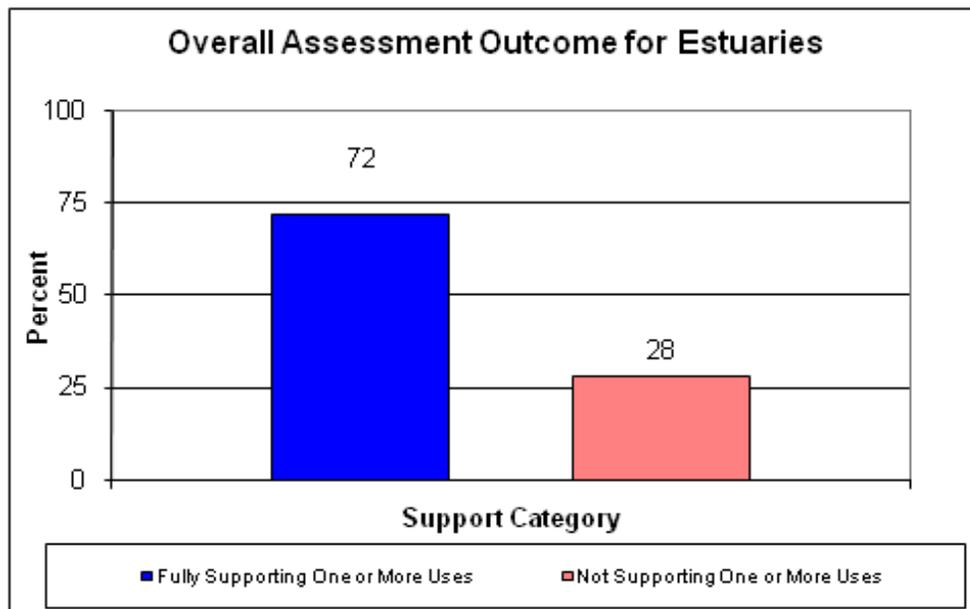
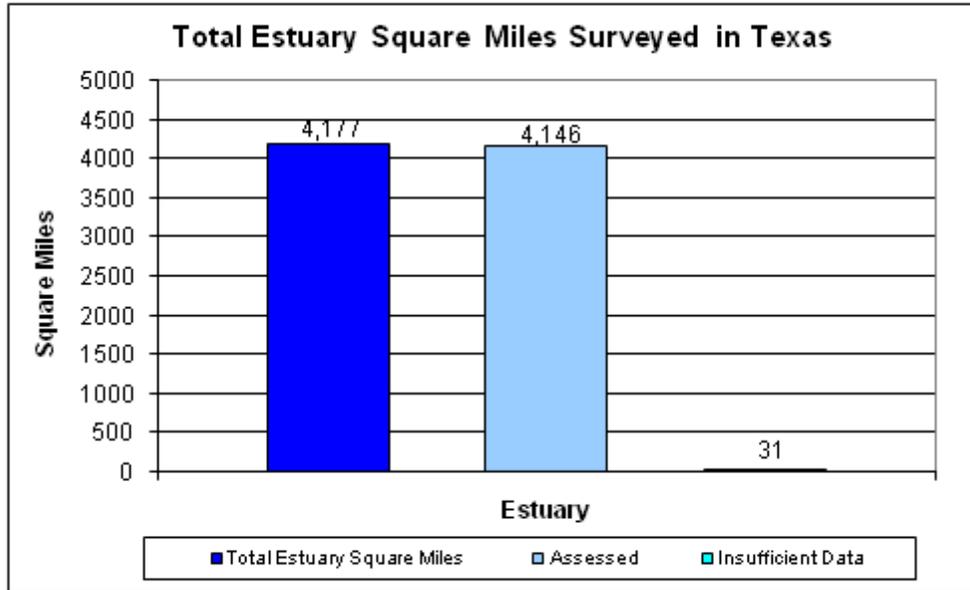
Assessment Summary for Reservoirs



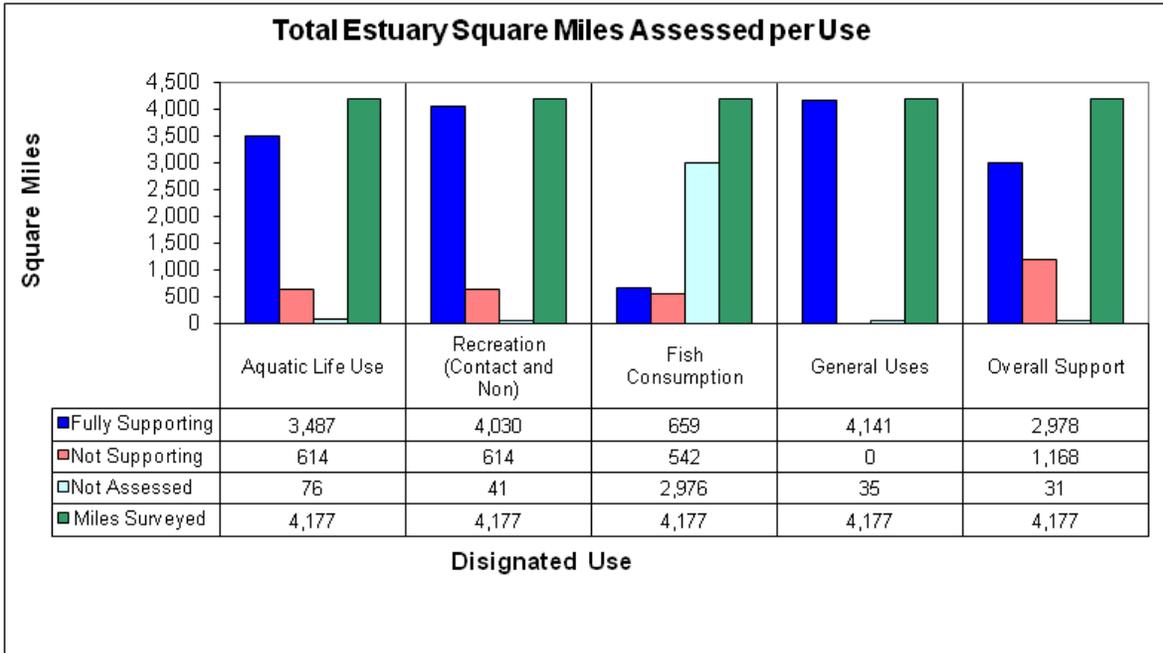
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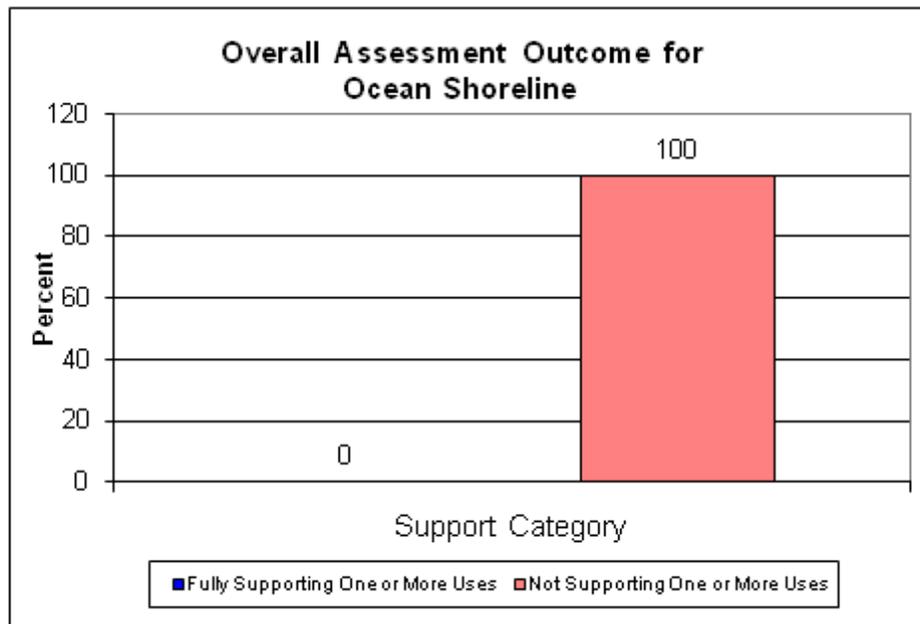
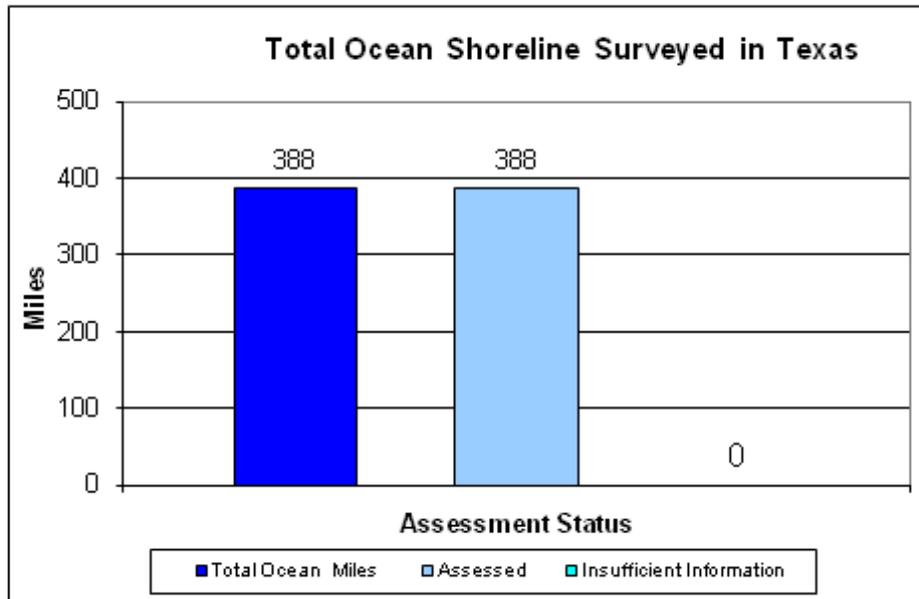
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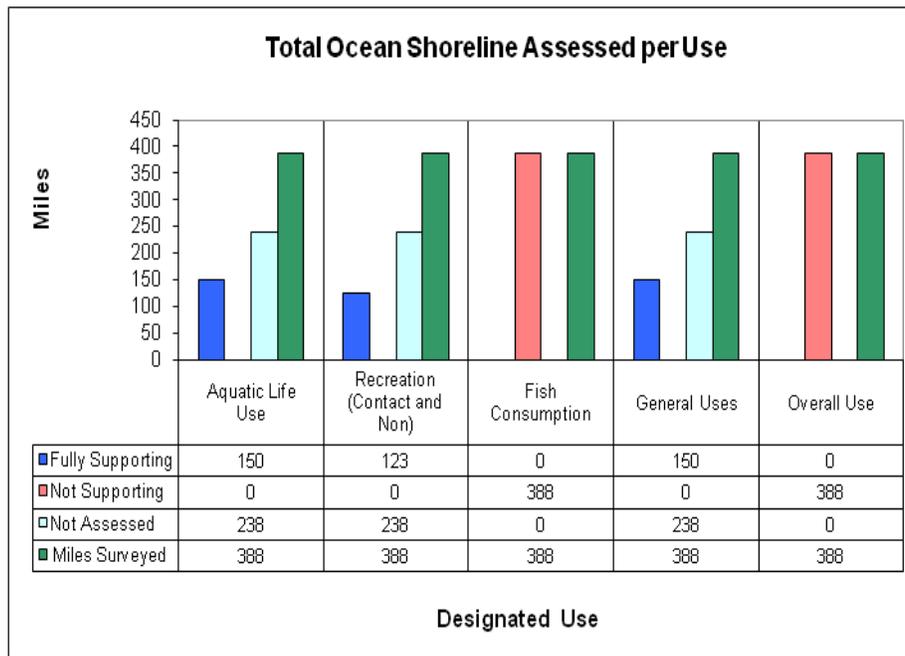
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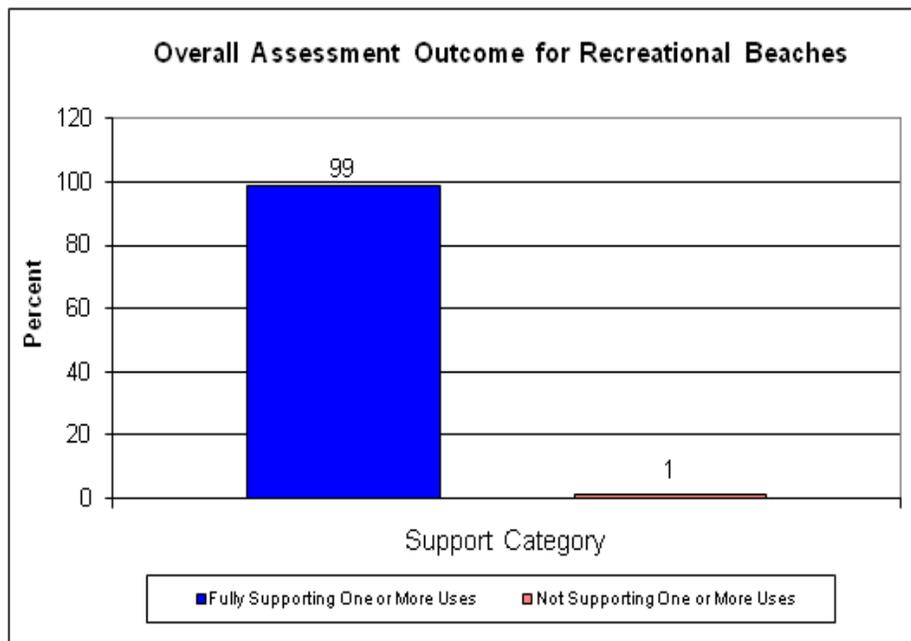
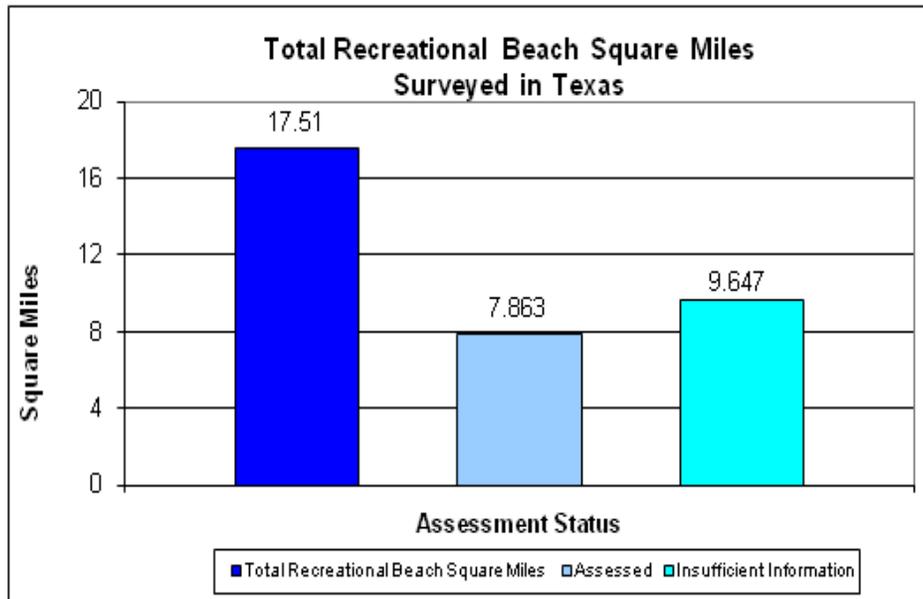
Assessment Summary for Ocean Shoreline



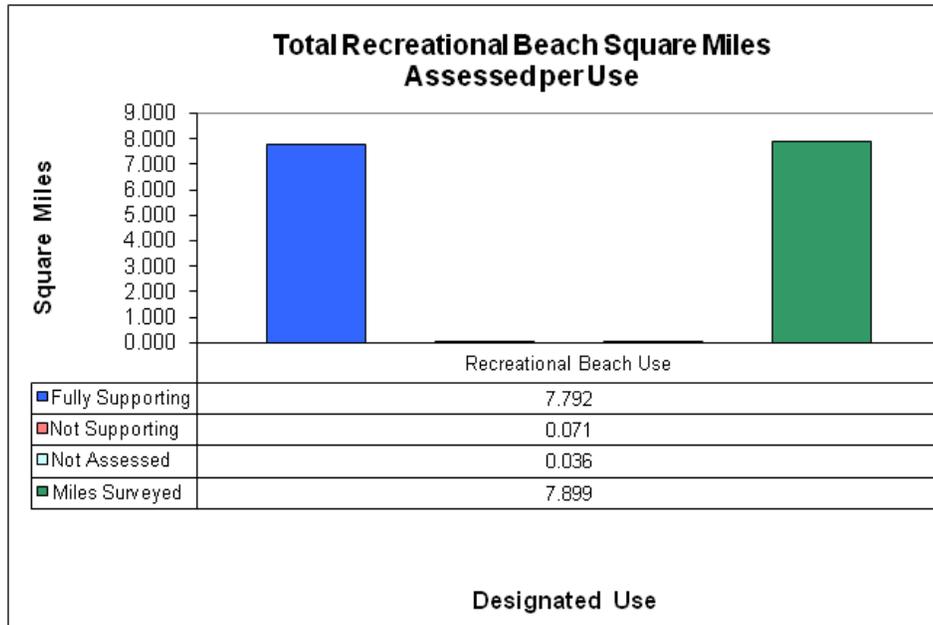
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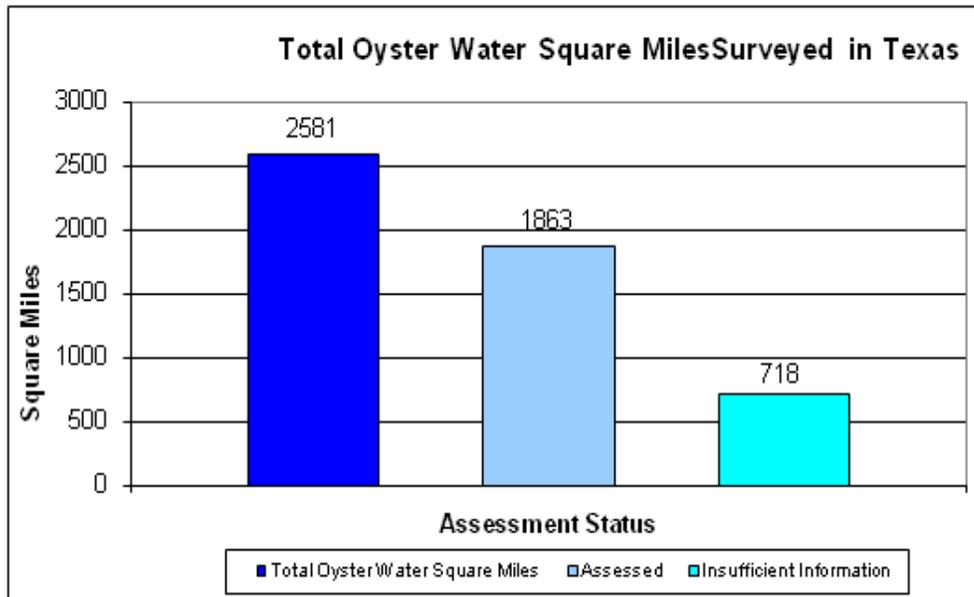
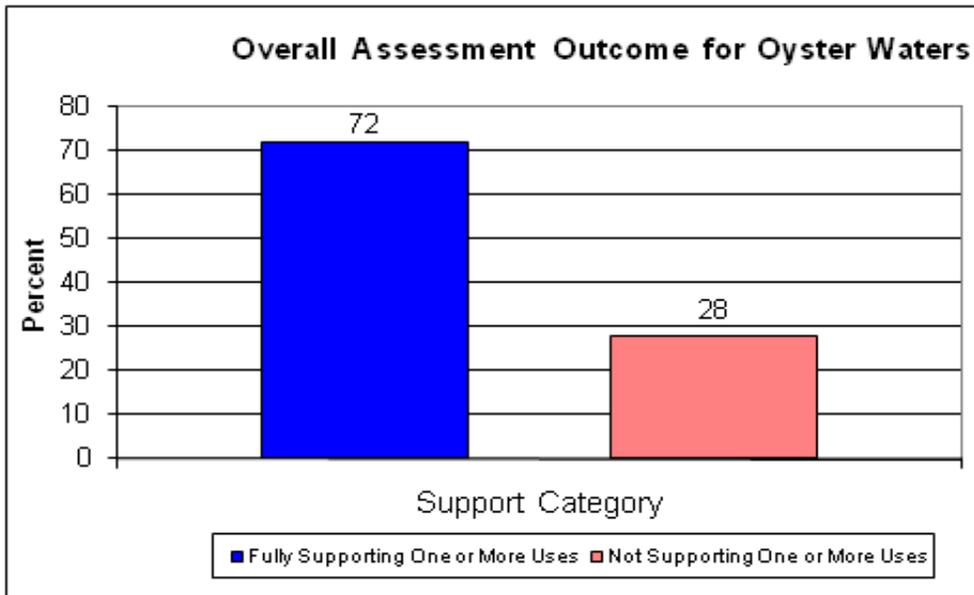
Assessment Summary for Recreational Beaches



Assessment Summary for Recreational Beaches (Continued)



Assessment Summary for Oyster Waters



Assessment Summary for Oyster Waters (Continued)

