

# Assessment Summary

## 2006 Texas Water Quality Inventory and 303(d) List (June 27, 2007)

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 2006 Inventory and List is December 1, 1999 to November 30, 2004.

Included as a companion document to this summary is a review of the trophic status of Texas reservoirs. Because additional and more recent data are available for most of these reservoirs, all reservoirs were evaluated in a consistent manner using the last ten years of data. A Groundwater Monitoring and Assessment component has also been updated for 2006 as a companion document to this summary.

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 2006. *See next page.*

**Table 1. Overall Use Attainment for All Water Body Types**

	Streams (Miles)		Reservoir (Acres)		Estuary (Square miles)		Ocean Shoreline (Square miles)	
Total Unit Size in Texas	191,228		1,994,600		2,393		3,879	
Monitoring Information								
Total unit size surveyed	22,776	12%	1,574,405	79%	2,082	87%	3,879	100%
Total unit size not surveyed	168,452	88%	420,195	21%	311	13%	0	0%
Assessment Information								
Total unit size assessed	21,044	11%	1567957	79%	2082	87%	3,879	100%
Total unit size meeting one or more of its Uses	9298	5%	934992	47%	491	21%	0	0%
Total unit size not supporting one or more of its Uses	11746	6%	632965	32%	1591	66%	3,879	100%

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 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.

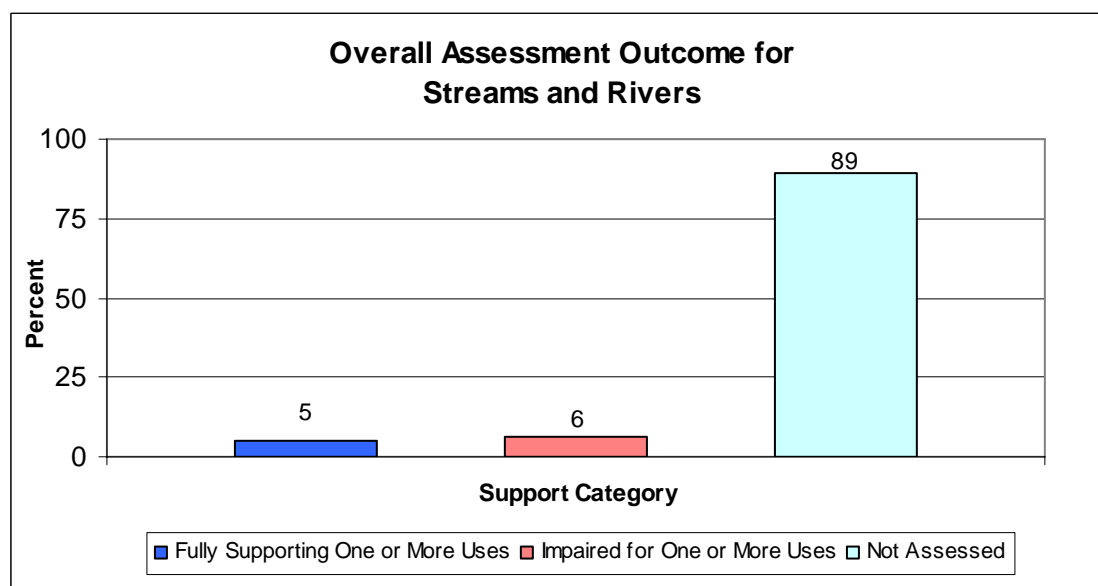
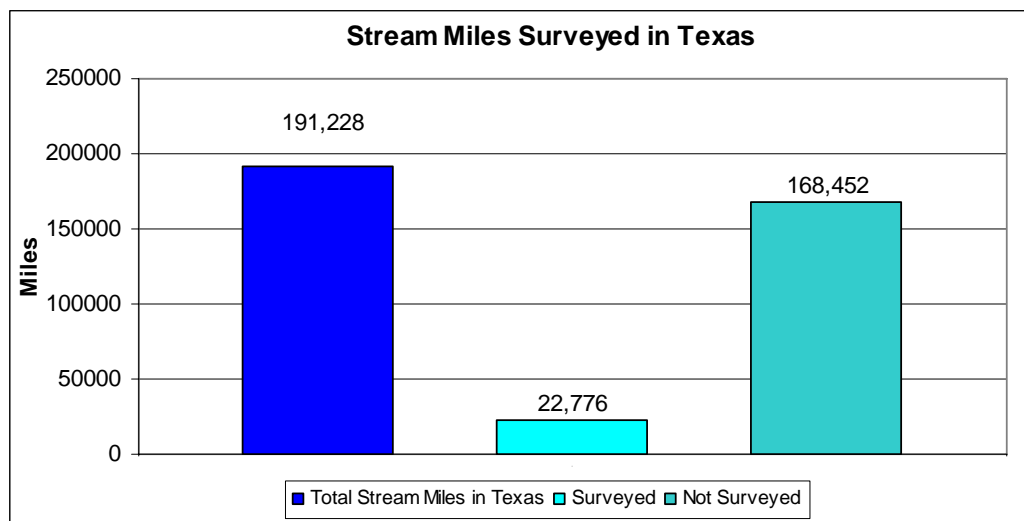
**Table 2. Size of Waterbodies Impaired by Causes**

<b>Cause</b>	<b>Streams (Miles)</b>	<b>Reservoir (Acres)</b>	<b>Estuary (Square Miles)</b>	<b>Ocean Shoreline (Square Miles)</b>
aluminum in water	24			
bacteria	4904	556	10	556
bacteria (oyster waters)			421	
chlordane in edible tissue	241			
chloride	977			
DDD in edible tissue	63			

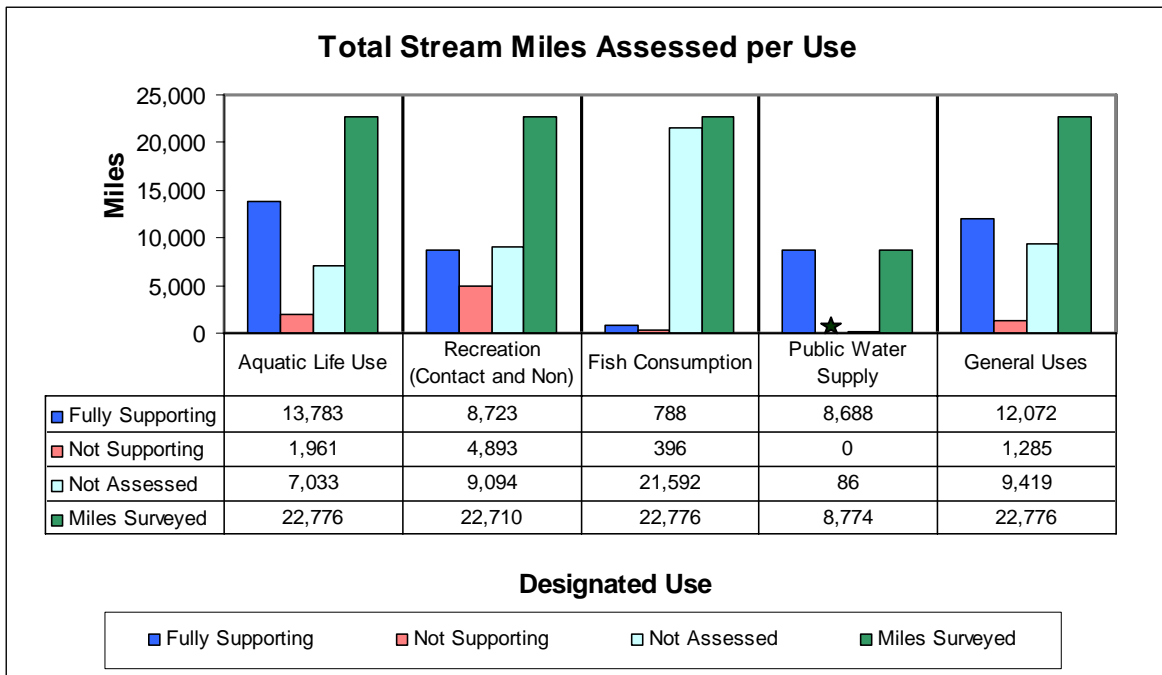
<b>Cause</b>	<b>Streams (Miles)</b>	<b>Reservoir (Acres)</b>	<b>Estuary (Square Miles)</b>	<b>Ocean Shoreline (Square Miles)</b>
DDE in edible tissue	63	26,992		
DDT in edible tissue	63			
depressed dissolved oxygen	1,669	2,731	265	
dieldrin in edible tissue	129	38,914		
dioxin in edible tissue	114	2,710	29	
endrin in edible tissue	63	2,731		
excessive algal growth	86	2,710		
heptachlor epoxide in edible tissue	129	82,204		
heptachlor in edible tissue	63	2,731		
hexachlorobenzene in edible tissue	63			
impaired fish community	224			
impaired habitat	164			
impaired macrobenthic community	175	2710		
lead in water	70			
lindane in edible tissue	63			
mercury in edible tissue	43	4,679	2	3879
mercury in water	3			
PCBs in edible tissue	266		29	
pH	121			
selenium in water	126			
sulfate	95	361,331		
total dissolved solids	516			
toxaphene in edible tissue	63	8,157		
toxicity in sediment	4	68,057		
toxicity in water	74			

Cause	Streams (Miles)	Reservoir (Acres)	Estuary (Square Miles)	Ocean Shoreline (Square Miles)
zinc in edible tissue		116,074	29	
zinc in water	3	41,464		

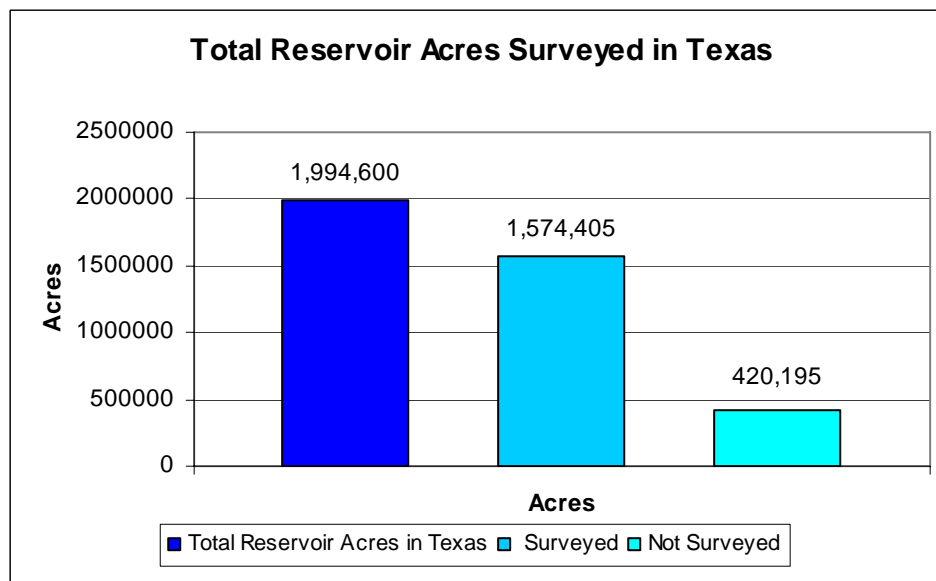
### Assessment Summary for Streams and Rivers



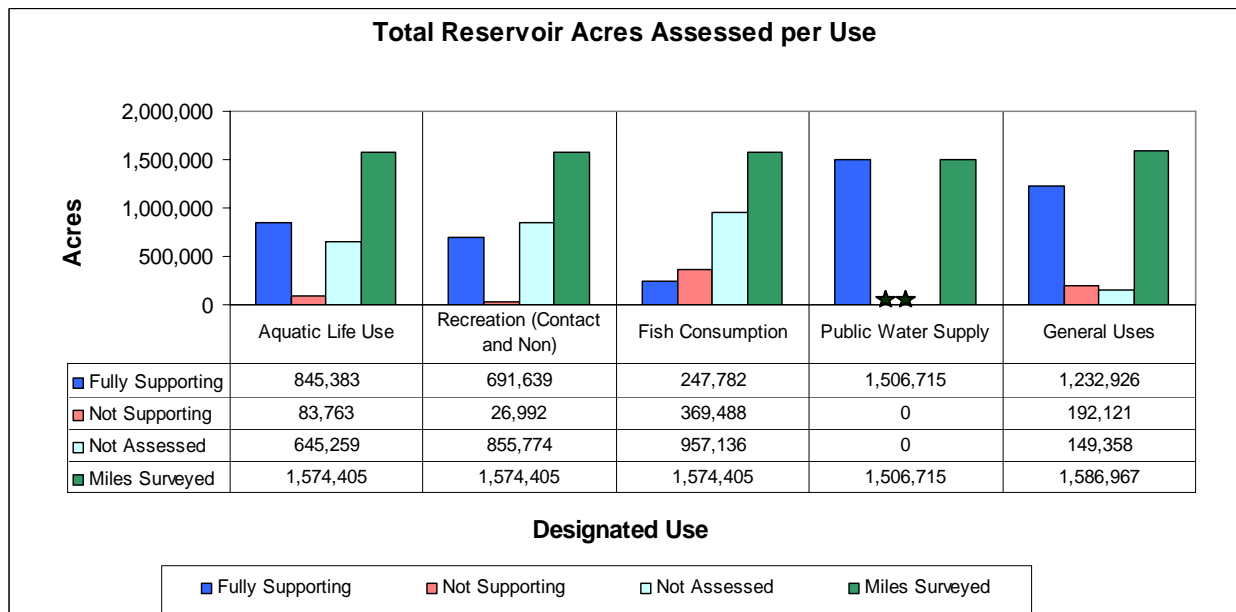
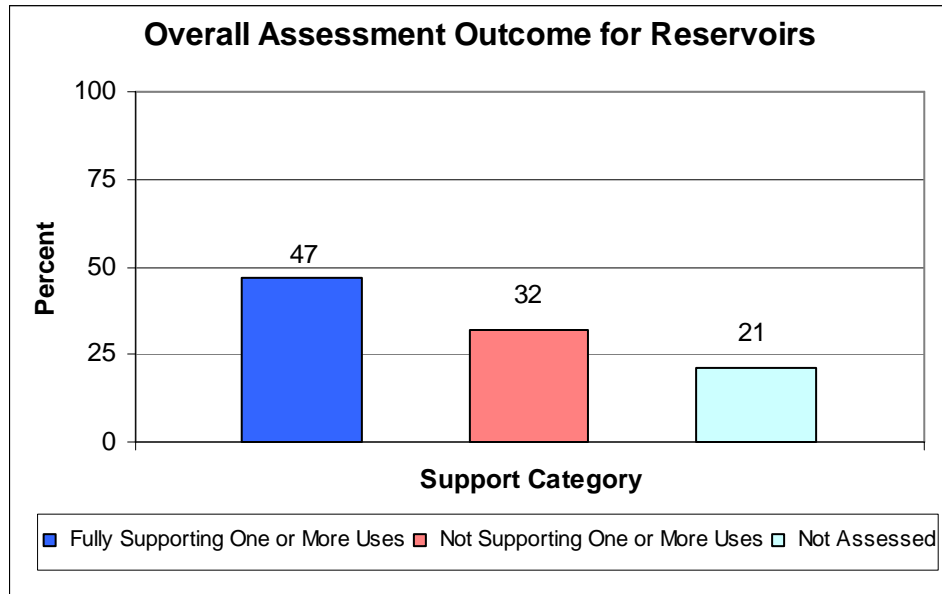
## Assessment Summary for Streams and Rivers (Continued)



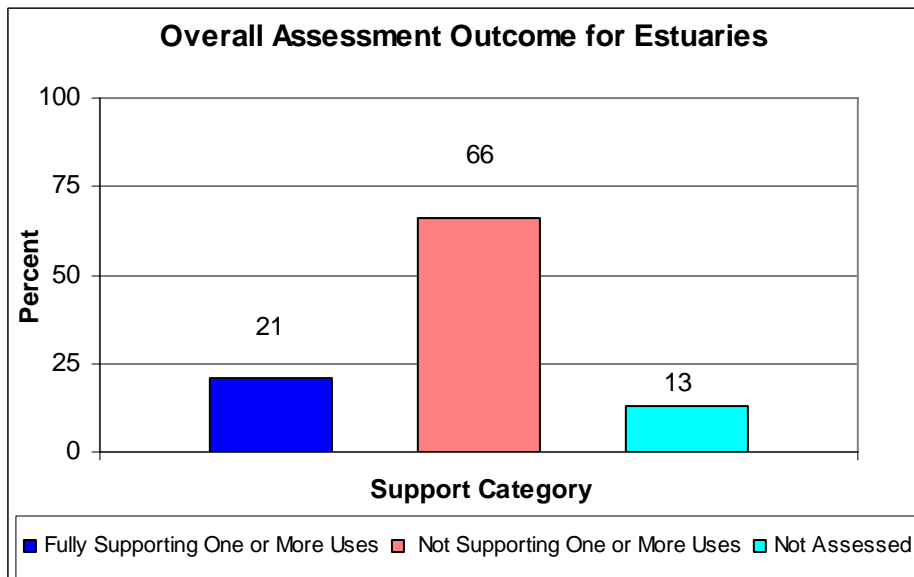
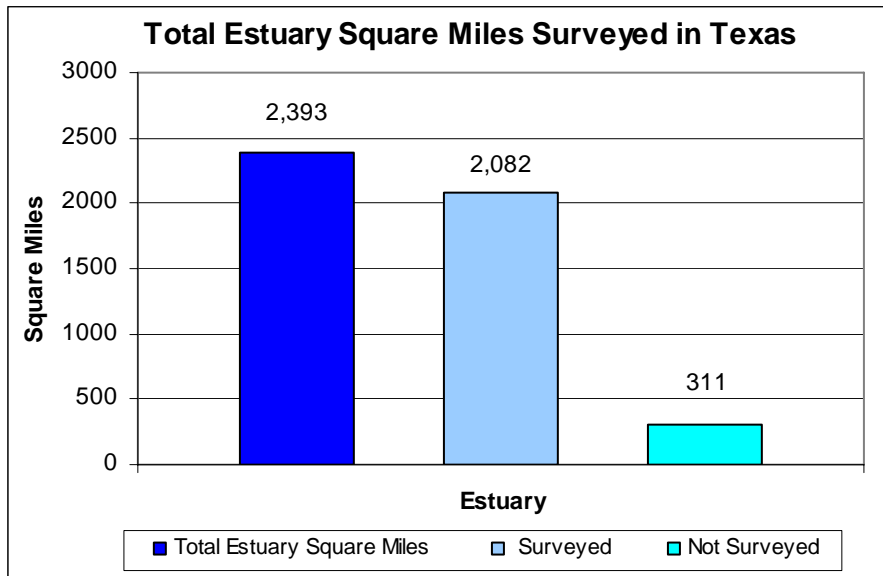
## Assessment Summary for Reservoirs



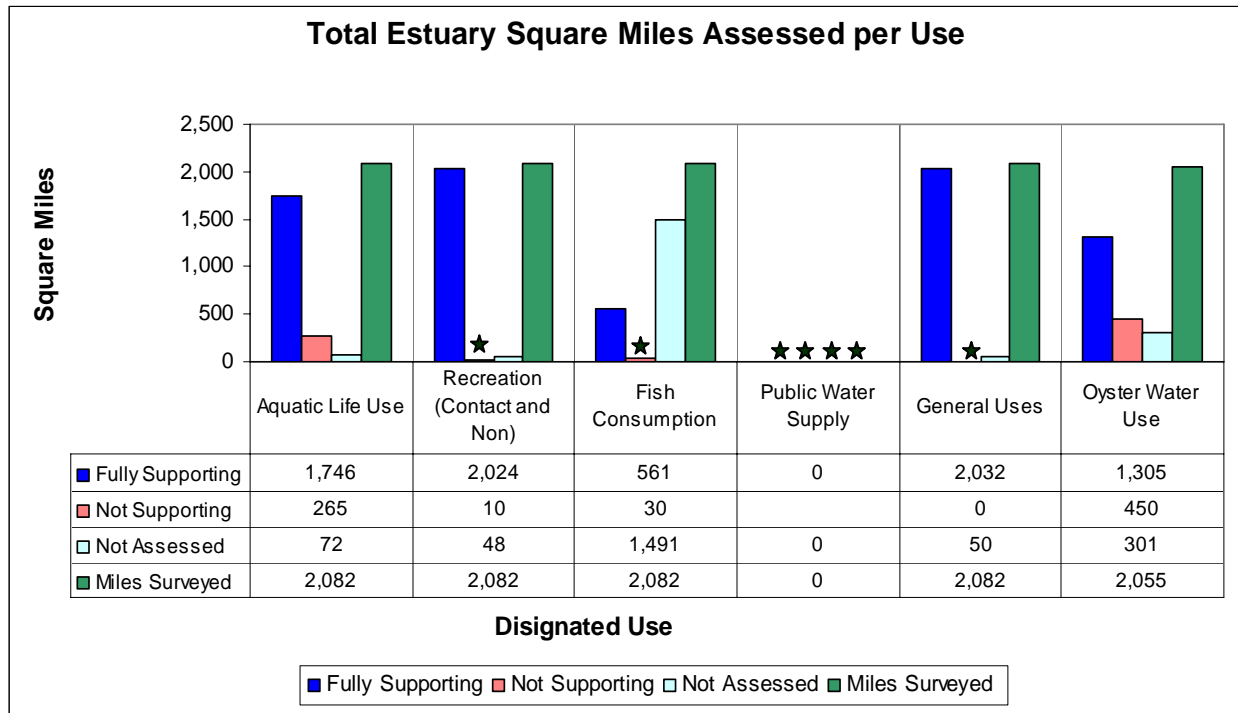
## Assessment Summary for Reservoirs (Continued)



## Assessment Summary for Estuaries



## Assessment Summary for Estuaries (Continued)



## Assessment Summary for Gulf of Mexico

