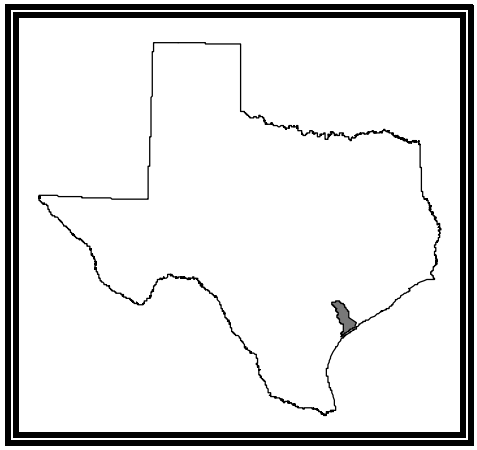
Below is an Electronic Version of an Out-of-Print Publication

Basin 17

Lavaca–Guadalupe Coastal

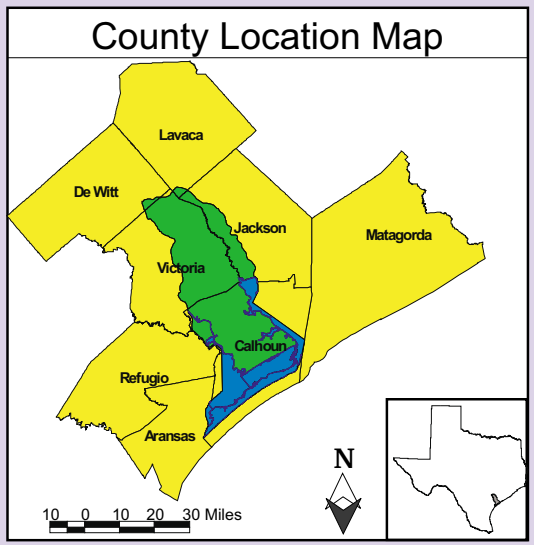


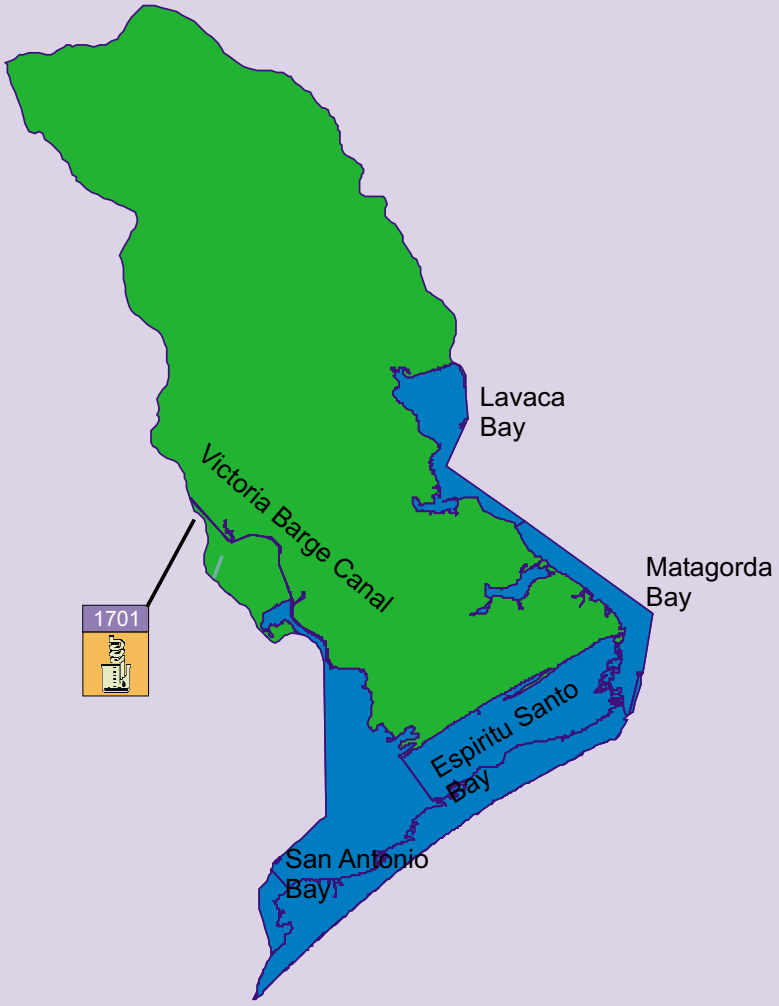
Lavaca–Guadalupe Coastal Basin Narrative Summary

This basin is located in the coastal plains between the Lavaca River and Guadalupe River. The total drainage area is 998 square miles.

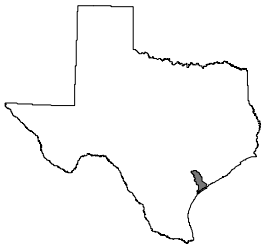
The TNRCC routinely monitors one segment (Victoria Barge Canal) which has no known water quality problems. Ammonia and nitrite + nitrate concentrations are occasionally elevated. At certain times during the year, the canal is very productive, but dissolved oxygen and pH measurements and chlorophyll *a* concentrations have not shown instability. However, several fish kills related to low dissolved oxygen concentrations have occurred near an industrial facility.

Lavaca-Guadalupe Coastal Basin
Identified Water Quality Issues



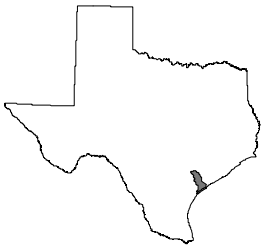


Lavaca–Guadalupe Coastal Basin Graphical Summary

Basin Map	Water Bodies									
	**Segment 1701** Victoria Barge Canal									
DESIGNATED USE SUPPORT										
Contact Recreation	**X**									
Noncontact Recreation	**S**									
Public Water Supply	**X**									
Fish Consumption										
Human Health	**NA**									
Advisories/Closures	**NA**									
Aquatic Life										
Dissolved Oxygen (Grab)	**S**									
Dissolved Oxygen (24-Hour)	**NA**									
Metals in Water	**NA**									
Organics in Water	**NA**									
Water Toxicity Tests	**NA**									
Sediment Toxicity Tests	**NA**									
Macrobenthos	**NA**									
Fish	**NA**									
GENERAL USE SUPPORT										
Water Temperature	**S**									
pH	**S**									
Chloride	**X**									
Sulfate	**X**									
Total Dissolved Solids	**X**									

S = Support; P = Partial Support; N = Nonsupport; T = Threatened; NC = No Concern; C = Concern;
NA = Not Assessed; X = Not Applicable

Lavaca–Guadalupe Coastal Basin Graphical Summary (Continued)

Basin Map	Water Bodies									
	**Segment 1701** Victoria Barge Canal									
WATER QUALITY CONCERNS										
Contact Recreation	**X**									
Noncontact Recreation	**X**									
Fish Tissue	**NA**									
Sediment	**NA**									
Narrative	**NC**									
Nutrient Enrichment										
Ammonia Nitrogen	**C**									
Nitrite + Nitrate Nitrogen	**C**									
Orthophosphorus	**NC**									
Total Phosphorus	**NC**									
Chlorophyll *a*	**NC**									
Public Water Supply										
Finished Water Chloride	**X**									
Finished Water Sulfate	**X**									
Finished Water TDS	**X**									
Surface Water Chloride	**X**									
Surface Water Sulfate	**X**									
Surface Water TDS	**X**									
Aquatic Life										
Dissolved Oxygen	**X**									
Metals in Water	**NA**									
Organics in Water	**NA**									
Water Toxicity Tests	**NA**									
Sediment Toxicity Tests	**NA**									

Lavaca–Guadalupe Coastal Basin

Segment 1701 - Victoria Barge Canal

Water body description: From the confluence with San Antonio Bay in Calhoun County to Victoria Turning Basin in Victoria County

Water body classification: Classified

Water body type: Estuary

Water body length / area: 1.52 Sq. miles

Use support summary: The aquatic life, noncontact recreation, and general uses are supported. The fish consumption use was not assessed due to insufficient data.

Water quality concerns summary: Ammonia nitrogen and nitrite + nitrate nitrogen are concerns.

Monitoring sites used in the assessment

Station	Station Description
12536	Victoria Barge Canal at SH 35 north of Seadrift

Wastewater dischargers

Permit type	Number of outfalls
Domestic	2
Industrial	25

Historical fish kills

Start date	Location	Fish killed	Suspected cause
06/26/1996	West end of the Victoria Barge Canal	5,000,000	Low Dissolved Oxygen
01/03/1997	Dupont Plant, Victoria, Cooling Pond	45	Unknown
04/20/1998	Victoria private lake at Landings Apartments	7	Pollutant

Historical fish kills, continued

Start date	Location	Fish killed	Suspected cause
09/24/1998	Dupont barge slip-Bloomington plant; in the Victoria barge canal	18,000	Low Dissolved Oxygen
05/22/1999	Dupont Victoria plant in the Victoria Barge Canal.	1,500	Low Dissolved Oxygen