

Arroyo Colorado Above Tidal

Segment: 2202 Nueces-Rio Grande Coastal Basin

Basin number:	22
Basin group:	E
Water body description:	From a point 100 meters (110 yards) downstream of Cemetery Road south of Port Harlingen in Cameron County to FM 2062 in Hidalgo County
Water body classification:	Classified
Water body type:	Freshwater Stream
Water body length / area:	63 Miles
Water body uses:	Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use

Standards Not Met in 2002 Assessment Area	Use	Support Status	Parameter	Category
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Contact Recreation Use	Not Supporting	bacteria	5c
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	DDE in fish tissue	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	other organic compounds in fish tissue	5a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	DDE in fish tissue	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	other organic compounds in fish tissue	5a
Lower 4 miles of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	DDE in fish tissue	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	other organic compounds in fish tissue	5a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	DDE in fish tissue	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	other organic compounds in fish tissue	5a

Parameters Removed

from the 2000 303(d) List: DDE in fish tissue, chlordane in fish tissue, toxaphene in fish tissue

Additional Information: The aquatic life and general uses are fully supported.

The Environmental Protection Agency (EPA) has approved a Total Maximum Daily Load (TMDL) for chlordane, DDE, and toxaphene in fish tissue.

(based on data from 03/01/1996 to 02/28/2001)

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Nutrient Enrichment Concern	Concern	ammonia
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Nutrient Enrichment Concern	Concern	orthophosphorus
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Nutrient Enrichment Concern	Concern	total phosphorus
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Algal Growth Concern	Concern	excessive algal growth
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Contact Recreation Use	Use Concern- Limited Data	bacteria
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Lower 4 miles of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Lower 4 miles of segment	Nutrient Enrichment Concern	Concern	ammonia
Lower 4 miles of segment	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Lower 4 miles of segment	Nutrient Enrichment Concern	Concern	orthophosphorus
Lower 4 miles of segment	Nutrient Enrichment Concern	Concern	total phosphorus
Lower 4 miles of segment	Algal Growth Concern	Concern	excessive algal growth

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	13081	ARROYO COLORADO MAIN FLOODWAY IN LLANO GRANDE AT FM 1015 SOUTH OF WESLACO
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	13079	ARROYO COLORADO AT US 77 IN SW HARLINGEN
Lower 4 miles of segment	13074	ARROYO COLORADO AT LOW WATER BRIDGE AT PORT HARLINGEN

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
9/4/1999	Arroyo Colorado above tidal west of FM 88 south of Weslaco	110	Low Dissolved Oxygen