

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 2004	Use	Support Status	Parameter	Category
Assessment Area				
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	DDD in smallmouth buffalo	4a
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	DDT in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	chlordan in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	dieldrin in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	endrin in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	heptachlor epoxide in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	heptachlor in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	hexachlorobenzene in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	lindane in smallmouth buffalo	4a
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Fish Consumption Use	Partially Supporting	toxaphene in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Contact Recreation Use	Not Supporting	bacteria	5c
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	DDD in smallmouth buffalo	4a
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	DDT in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	chlordan in smallmouth buffalo	4a

Standards Not Met in 2004 Assessment Area	Use	Support Status	Parameter	Category
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	dieldrin in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	endrin in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	heptachlor epoxide in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	heptachlor in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	hexachlorobenzene in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	lindane in smallmouth buffalo	4a
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	Fish Consumption Use	Partially Supporting	toxaphene in smallmouth buffalo	4a
Lower 4 miles of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	DDD in smallmouth buffalo	4a
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	DDT in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	chlordan in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	dieldrin in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	endrin in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	heptachlor epoxide in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	heptachlor in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	hexachlorobenzene in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	lindane in smallmouth buffalo	4a
Lower 4 miles of segment	Fish Consumption Use	Partially Supporting	toxaphene in smallmouth buffalo	4a
Upper 19 miles of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	DDD in smallmouth buffalo	4a
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	DDT in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	chlordan in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	dieldrin in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	endrin in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	heptachlor epoxide in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	heptachlor in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	hexachlorobenzene in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	lindane in smallmouth buffalo	4a
Upper 19 miles of segment	Fish Consumption Use	Partially Supporting	toxaphene in smallmouth buffalo	4a

Parameters Removed from the 2002 303(d) List: other organic compounds 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.

2004 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	Contact Recreation Use	Use Concern-Limited Data	bacteria
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	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
Upper 19 miles of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 19 miles of segment	Contact Recreation Use	Use Concern-Limited Data	bacteria
Upper 19 miles of segment	Nutrient Enrichment Concern	Concern	ammonia
Upper 19 miles of segment	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upper 19 miles of segment	Nutrient Enrichment Concern	Concern	orthophosphorus
Upper 19 miles of segment	Nutrient Enrichment Concern	Concern	total phosphorus
Upper 19 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	13080	ARROYO COLORADO AT FM 506 SOUTH OF LA FERIA
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

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	13082	ARROYO COLORADO AT FM 493 SOUTH OF DONNA
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	16135	ARROYO COLORADO 3.5KM UPSTREAM FROM FM88, SE OF DONNA
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	16137	ARROYO COLORADO AT FM88 SOUTH OF WESLACO
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	16138	ARROYO COLORADO 1.2KM UPSTREAM FROM FM491, SOUTH OF MERCEDES
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	16139	ARROYO COLORADO 1.3KM UPSTREAM FROM FM506, SW OF LA FERIA
Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	16144	ARROYO COLORADO TIDAL 1.0KM DOWNSTREAM FROM CAMP PERRY
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	13077	ARROYO COLORADO AT LOOP 499 BRIDGE IN HARLINGEN
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	13079	ARROYO COLORADO AT US 77 IN SW HARLINGEN
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	16140	ARROYO COLORADO AT SOUTHERNMOST CORNER OF BOTTS PARK IN HARLINGEN, 1.8KM UPSTREAM FROM US77/83
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	16141	ARROYO COLORADO 75M DOWNSTREAM FROM COMMERCE STREET IN HARLINGEN
Approx. 11 miles upstream to approx. 4 miles downstream of US 77	16445	ARROYO COLORADO AT LOW WATER CROSSING AT DILWORTH ROAD, EAST OF LA FERIA
Lower 4 miles of segment	13074	ARROYO COLORADO AT LOW WATER BRIDGE AT PORT HARLINGEN
Upper 19 miles of segment	13083	ARROYO COLORADO AT FM 907 SOUTH OF ALAMO
Upper 19 miles of segment	13084	ARROYO COLORADO AT US 281 SOUTH OF PHARR
Upper 19 miles of segment	13086	ARROYO COLORADO AT FM 336 SOUTH OF MCALLEN
Upper 19 miles of segment	13087	ARROYO COLORADO AT FM 115 SOUTH OF MCALLEN
Upper 19 miles of segment	16131	ARROYO COLORADO 1.5KM UPSTREAM FROM FM1926, SW OF MCALLEN
Upper 19 miles of segment	16132	ARROYO COLORADO 0.5KM DOWNSTREAM FROM US281, SOUTH OF PHARR
Upper 19 miles of segment	16133	ARROYO COLORADO 0.5KM UPSTREAM FROM FM1426, SOUTH OF SAN JUAN
Upper 19 miles of segment	16134	ARROYO COLORADO 2.3KM DOWNSTREAM FROM FM907, SOUTH OF ALAMO

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