

## Rio Grande Below Amistad Reservoir

Segment: 2304 Rio Grande Basin

**Basin number:** 23  
**Basin group:** E  
**Water body description:** From the confluence of the Arroyo Salado (Mexico) in Zapata County to Amistad Dam in Val Verde County  
**Water body classification:** Classified  
**Water body type:** Freshwater Stream  
**Water body length / area:** 226 Miles  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

<b>Standards Not Met in 2002</b>				
<b>Assessment Area</b>	<b>Use</b>	<b>Support Status</b>	<b>Parameter</b>	<b>Category</b>
3 miles downstream of U.S. 277 in Eagle Pass	Contact Recreation Use	Not Supporting	bacteria	5c
4.5 miles downstream of Hwy 277	Contact Recreation Use	Not Supporting	bacteria	5c
Downstream of International Bridge 2 to pipeline crossing	Contact Recreation Use	Not Supporting	bacteria	5c
El Cenizo to San Isidro pump station	Contact Recreation Use	Not Supporting	bacteria	5c
Pipeline crossing to downstream of El Cenizo	Contact Recreation Use	Not Supporting	bacteria	5c
San Isidro pump station to segment boundary	Contact Recreation Use	Not Supporting	bacteria	5c

<b>Standards Not Met and Concerns in Previous Years</b>				
<b>Assessment Area</b>	<b>Use</b>	<b>Support Status or Concern</b>	<b>Parameter</b>	<b>Category</b>
4.5 miles downstream of Hwy 277	Aquatic Life Use	Not Supporting	ambient toxicity in water	5c

**Additional Information:** The public water supply, fish consumption and general uses are fully supported.

This segment was identified on the 2000 303(d) List as not supporting the aquatic life use due to ambient toxicity in water downstream of Del Rio. Because there were insufficient data available in 2002 to evaluate changes in water quality, this segment will be identified as not meeting the standard for ambient toxicity in water until sufficient data are available to demonstrate use support.

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

<b>2002 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
10 miles upstream of Hwy 277 in Del Rio	Nutrient Enrichment Concern	Concern	total phosphorus
3 miles downstream of U.S. 277 in Eagle Pass	Nutrient Enrichment Concern	Concern	total phosphorus
4.5 miles downstream of Hwy 277	Aquatic Life Use	Use Concern- Limited Data	chronic toxicity in water
4.5 miles downstream of Hwy 277	Nutrient Enrichment Concern	Concern	total phosphorus
Amistad Dam to 10 miles upstream of Hwy 277	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Downstream of International Bridge 2 to pipeline crossing	Nutrient Enrichment Concern	Concern	ammonia

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
10 miles upstream of Hwy 277 in Del Rio	13208	RIO GRANDE 12.8 MI. BELOW AMISTAD DAM, NEAR GAGE, 340 M UPSTREAM OF US 277 BRIDGE IN DEL RIO
25 miles upstream of Columbia Bridge	15839	RIO GRANDE AT THE COLOMBIA BRIDGE, 2.7KM UPSTREAM OF THE DOLORES PUMP STATION, 45.1KM UPSTREAM OF THE LAREDO WTP INTAKE
25 miles upstream of IBWC weir dam near El Indio	15274	RIO GRANDE AT IBWC WEIR DAM 6 MI. SOUTH OF EL INDIO, 0.6 MI. DOWNSTREAM OF CUERVO CREEK
25 miles upstream of U.S. 277 in Eagle Pass	13206	RIO GRANDE US 277 AT EAGLE PASS
3 miles downstream of U.S. 277 in Eagle Pass	13205	RIO GRANDE NEAR IRRIGATION CANAL LATERAL 50 US 277 BRIDGE IN EAGLE PASS
4.5 miles downstream of Hwy 277	13560	RIO GRANDE, 4.5 MI. DOWNSTREAM OF DEL RIO AT MOODY RANCH
Amistad Dam to 10 miles upstream of Hwy 277	13209	RIO GRANDE BELOW AMISTAD DAM NW OF DEL RIO
Amistad Dam to 10 miles upstream of Hwy 277	15340	RIO GRANDE 3.4 KM DOWNSTREAM OF AMISTAD DAM ABOVE WEIR DAM (IBWC GAGE #08-4509.00)
Columbia Bridge to Laredo water treatment plant	13202	RIO GRANDE LAREDO WATER TREATMENT PLANT PUMP INTAKE
Columbia Bridge to Laredo water treatment plant	15813	RIO GRANDE AT CP&L POWER PLANT INTAKE IMMED. DWNSTRM OF MANADAS CREEK CONFL. AND 10.4KM UPSTRM OF INTL. BRIDGE #1
Downstream of International Bridge 2 to pipeline crossing	13196	RIO GRANDE AT PIPELINE CROSSING 8.7 MI. BELOW LAREDO
Downstream of International Bridge 2 to pipeline crossing	15815	RIO GRANDE AT MASTERSON RD IN LAREDO, 9.9KM DWNSTR INTL BRIDGE #1 (WEST BRIDGE), DWNSTR SOUTHSIDE WWTP AND UPSTR NUEVO LAREDO WWTP
El Cenizo to San Isidro pump station	13194	RIO GRANDE AT THE SAN ISIDRO PUMP STATION
Laredo water treatment plant, downstream to International Bridge 2	13201	RIO GRANDE 30 METERS UPSTREAM OF US 81 BRIDGE (CONVENT AVENUE) IN LAREDO
Laredo water treatment plant, downstream to International Bridge 2	13698	RIO GRANDE 1.1 MI. DOWNSTREAM FROM HIGHWAY BRIDGE BETWEEN LAREDO AND NUEVO LAREDO
Laredo water treatment plant, downstream to International Bridge 2	15814	RIO GRANDE AT INTERNATIONAL BRIDGE #2 (EAST BRIDGE) IN LAREDO

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
Pipeline crossing to downstream of El Cenizo	15816	RIO GRANDE AT RIO BRAVO, 0.5KM DWNSTR OF THE COMMUNITY OF EL CENIZO
San Isidro pump station to segment boundary	15817	RIO GRANDE AT WEBB/ZAPATA COUNTY LINE

<b>Published studies:</b>		
<b>Publication</b>	<b>Date</b>	<b>Author</b>
IS 90-03 Rio Grande	May 1990	Buzan, D.
IS 91-02 Rio Grande	March 1991	Webster, C. (Region 15)
SR 1 Rio Grande	June 1974	Blackwell, C. (Region 7)