

Segment 2201 - Arroyo Colorado Tidal sediment toxicity

Segment Description

The tidal portion of the Arroyo Colorado extends from the confluence with the Laguna Madre in Cameron\Willacy Counties to a point 100 meters downstream of Cemetery Road, south of the Port of Harlingen in Cameron County.

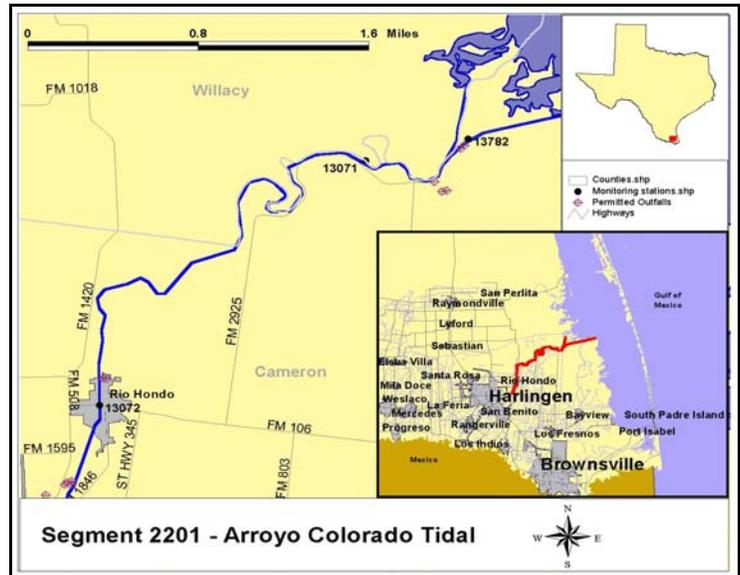
Listing Status

In 2000, the tidal portion of the Arroyo Colorado was identified as not supporting the aquatic life use, due to ambient toxicity in sediment (Station 13782), on the state's 303(d) List. Because there was insufficient data available to evaluate changes in water quality, this segment was also identified on the draft 2002 List. The use support will be reevaluated when sufficient data are available.

Test Results and Toxicity Identification

Ten sediment samples were collected from three stations over a 12-month period. None were toxic to any of the benthic invertebrates tested. In addition, the sediment chemistry results did not exceed any applicable screening values.

Since there were no toxic effects observed in any of the samples, toxicity identification evaluation (TIE) procedures were not necessary.



Test Results

Station	<i>Leptochirus</i>		<i>Neanthes</i>	
	# toxic	# tests	# toxic	# tests
13071	0	10	0	10
13072	0	10	0	10
13782	0	10	0	10

Segment Recommendations:

Sediment toxicity tests indicate no toxicity to benthic invertebrates; therefore, it is recommended that the tidal portion of the Arroyo Colorado be removed from the 303(d) List.