

## Aquilla Reservoir

Segment: 1254 Brazos River Basin

**Basin number:** 12  
**Basin group:** D  
**Water body description:** From Aquilla Dam in Hill County up to the normal pool elevation of 537.5 feet (impounds Aquilla Creek)  
**Water body classification:** Classified  
**Water body type:** Reservoir  
**Water body length / area:** 3,943 Acres  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
Aquilla Creek arm on the west	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Aquilla Creek arm on the west	Public Water Supply Use	Threatened	alachlor in finished drinking water	4b
Hackberry Creek arm on the east	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Hackberry Creek arm on the east	Public Water Supply Use	Threatened	alachlor in finished drinking water	4b
South end of reservoir near dam	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

**Parameters Removed from the 2002 303(d) List:** atrazine

**Additional Information:** The contact recreation, fish consumption and general uses are fully supported.

This segment was also identified as a threatened water body on the 2000 303(d) List due toalachlor in finished drinking water. Because an insufficient number ofalachlor samples in surface water were available in 2002 to demonstrate that the standard is no longer threatened, this segment will be identified as threatened foralachlor until sufficient data in surface water are available. There were insufficient data for 2004.

This segment was also identified on the 2000 303(d) List as partially supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

(-based on data from 03/01/1998 to 02/28/2003)

<b>2004 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
Aquilla Creek arm on the west	Public Water Supply Use	Threatened	alachlor in finished drinking water
Aquilla Creek arm on the west	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Hackberry Creek arm on the east	Public Water Supply Use	Threatened	alachlor in finished drinking water
Hackberry Creek arm on the east	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
South end of reservoir near dam	Public Water Supply Use	Threatened	alachlor in finished drinking water
South end of reservoir near dam	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
Aquilla Creek arm on the west	12128	AQUILLA RESERVOIR IN AQUILLA CREEK ARM
Hackberry Creek arm on the east	12129	AQUILLA RESERVOIR AT FM 1947, 7.3 MI SOUTHWEST OF DOWNTOWN HILLSBORO
Hackberry Creek arm on the east	17321	AQUILLA RESERVOIR 100 YARDS OFF EAST SHORE AT AQUILLA WATER SUPPLY DISTRICT RAW WATER INTAKE SOUTH OF DAIRY HILL BOAT RAMP
South end of reservoir near dam	12127	AQUILLA RESERVOIR AT DAM

<b>Historical fish kills:</b>			
<b>Date</b>	<b>Location</b>	<b>Fish Killed</b>	<b>Suspected Cause</b>
7/30/1996	Lake Aquilla - Stilling basin	80	Physical Damage/Trauma