Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Aquilla Creek arm on the west	1,394	13	0	
Dissolved Oxygen grab average	No Concern	Hackberry Creek arm on the east	1,340	15	0	
Dissolved Oxygen grab average	No Concern	South end of reservoir near dam	1,209	14	1	
Dissolved Oxygen grab minimum	Fully Supporting	Aquilla Creek arm on the west	1,394	13	0	
Dissolved Oxygen grab minimum	Fully Supporting	Hackberry Creek arm on the east	1,340	15	0	
Dissolved Oxygen grab minimum	Fully Supporting	South end of reservoir near dam	1,209	14	0	
Dissolved Oxygen 24hr average	Not Assessed	Aquilla Creek arm on the west	1,394	0		
Dissolved Oxygen 24hr average	Not Assessed	Hackberry Creek arm on the east	1,340	0		
Dissolved Oxygen 24hr average	Not Assessed	South end of reservoir near dam	1,209	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Aquilla Creek arm on the west	1,394	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Hackberry Creek arm on the east	1,340	0		
Dissolved Oxygen 24hr minimum	Not Assessed	South end of reservoir near dam	1,209	0		
Acute Metals in water	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	5	0	
Acute Metals in water	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	5	0	
Acute Metals in water	Not Assessed	South end of reservoir near dam	1,209	1	0	
Chronic Metals in water	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	5		
Chronic Metals in water	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	5		
Chronic Metals in water	Not Assessed	South end of reservoir near dam	1,209	1		
Acute Organics in water	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	4	0	
Acute Organics in water	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	4	0	
Acute Organics in water	No Concern-Limited Data	South end of reservoir near dam	1,209	5	0	
Chronic Organics in water	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	4		
Chronic Organics in water	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	4		

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Chronic Organics in water	No Concern-Limited Data	South end of reservoir near dam	1,209	5		
Overall Aquatic Life Use	Fully Supporting	Aquilla Creek arm on the west	1,394			
Overall Aquatic Life Use	Fully Supporting	Hackberry Creek arm on the east	1,340			
Overall Aquatic Life Use	Fully Supporting	South end of reservoir near dam	1,209			
Contact Recreation Use						
E. coli single sample	Not Assessed	Aquilla Creek arm on the west	1,394	0		
E. coli single sample	Not Assessed	Hackberry Creek arm on the east	1,340	0		
E. coli single sample	Not Assessed	South end of reservoir near dam	1,209	0		
E. coli geometric mean	Not Assessed	Aquilla Creek arm on the west	1,394	0		
E. coli geometric mean	Not Assessed	Hackberry Creek arm on the east	1,340	0		
E. coli geometric mean	Not Assessed	South end of reservoir near dam	1,209	0		
Fecal coliform single sample	Fully Supporting	Aquilla Creek arm on the west	1,394	14	0	
Fecal coliform single sample	Fully Supporting	Hackberry Creek arm on the east	1,340	15	0	
Fecal coliform single sample	Fully Supporting	South end of reservoir near dam	1,209	16	0	
Fecal coliform geometric mean	Fully Supporting	Aquilla Creek arm on the west	1,394	14		3
Fecal coliform geometric mean	Fully Supporting	Hackberry Creek arm on the east	1,340	15		4
Fecal coliform geometric mean	Fully Supporting	South end of reservoir near dam	1,209	16		3
Overall Recreation Use	Fully Supporting	Aquilla Creek arm on the west	1,394			
Overall Recreation Use	Fully Supporting	Hackberry Creek arm on the east	1,340			
Overall Recreation Use	Fully Supporting	South end of reservoir near dam	1,209			
General Use						
Water Temperature	Fully Supporting	Aquilla Creek arm on the west	1,394	13	0	

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Water Temperature	Fully Supporting	Hackberry Creek arm on the east	1,340	15	0	
Water Temperature	Fully Supporting	South end of reservoir near dam	1,209	14	0	
pH	Fully Supporting	Aquilla Creek arm on the west	1,394	13	0	
pH	Fully Supporting	Hackberry Creek arm on the east	1,340	15	0	
pH	Fully Supporting	South end of reservoir near dam	1,209	14	0	
Chloride	Fully Supporting	Aquilla Creek arm on the west	1,394	41		11.1
Chloride	Fully Supporting	Hackberry Creek arm on the east	1,340	41		11.1
Chloride	Fully Supporting	South end of reservoir near dam	1,209	41		11.1
Sulfate	Fully Supporting	Aquilla Creek arm on the west	1,394	38		49.9
Sulfate	Fully Supporting	Hackberry Creek arm on the east	1,340	38		49.9
Sulfate	Fully Supporting	South end of reservoir near dam	1,209	38		49.9
Total Dissolved Solids	Fully Supporting	Aquilla Creek arm on the west	1,394	47		216.8
Total Dissolved Solids	Fully Supporting	Hackberry Creek arm on the east	1,340	47		216.8
Total Dissolved Solids	Fully Supporting	South end of reservoir near dam	1,209	47		216.8
Overall General Use	Fully Supporting	Aquilla Creek arm on the west	1,394			
Overall General Use	Fully Supporting	Hackberry Creek arm on the east	1,340			
Overall General Use	Fully Supporting	South end of reservoir near dam	1,209			
Fish Consumption Use						
Human Health Criteria Atrazine	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	7		1.29
Human Health Criteria Metals	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	5		
Human Health Criteria Metals	Fully Supporting	Hackberry Creek arm on the east	1,340	10		
Human Health Criteria Metals	Not Assessed	South end of reservoir near dam	1,209	1		
Human Health Criteria Organics	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	6		

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)						
Human Health Criteria Organics	Fully Supporting	Hackberry Creek arm on the east	1,340	10		
Human Health Criteria Organics	No Concern-Limited Data	South end of reservoir near dam	1,209	5		
Overall Fish Consumption Use	Not Assessed	Aquilla Creek arm on the west	1,394			
Overall Fish Consumption Use	Fully Supporting	Hackberry Creek arm on the east	1,340			
Overall Fish Consumption Use	Not Assessed	South end of reservoir near dam	1,209			
Public Water Supply Use						
Finished Water: Running Avg	Fully Supporting	Aquilla Creek arm on the west	1,394			
Finished Water: Running Avg	Fully Supporting	Hackberry Creek arm on the east	1,340			
Finished Water: Running Avg	Fully Supporting	South end of reservoir near dam	1,209			
Finished Water: MCLs Threatened Alachlor	Threatened	Aquilla Creek arm on the west	1,394	23	4	
Finished Water: MCLs Threatened Alachlor	Threatened	Hackberry Creek arm on the east	1,340	23	4	
Finished Water: MCLs Threatened Alachlor	Threatened	South end of reservoir near dam	1,209	23	4	
Finished Water: MCLs Threatened Atrazine	Threatened	Aquilla Creek arm on the west	1,394	23	3	
Finished Water: MCLs Threatened Atrazine	Threatened	Hackberry Creek arm on the east	1,340	23	3	
Finished Water: MCLs Threatened Atrazine	Threatened	South end of reservoir near dam	1,209	23	3	
Surface Water: Long-term average Atrazine	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	7		3.6
Surface Water: Long-term average Metals	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	5		
Surface Water: Long-term average Metals	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	5		

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Use (continued)						
Surface Water: Long-term average Metals	Not Assessed	South end of reservoir near dam	1,209	1		
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Aquilla Creek arm on the west	1,394	13		0.57
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Hackberry Creek arm on the east	1,340	15		0.62
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	South end of reservoir near dam	1,209	16		0.54
Surface Water: Long-term average Organics	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	6		
Surface Water: Long-term average Organics	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	7		
Surface Water: Long-term average Organics	No Concern-Limited Data	South end of reservoir near dam	1,209	5		
Surface Water: Running average Atrazine	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	7	1	
Surface Water: Running average Metals	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	5	0	
Surface Water: Running average Metals	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	5	0	
Surface Water: Running average Metals	Not Assessed	South end of reservoir near dam	1,209	1	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Aquilla Creek arm on the west	1,394	13	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Hackberry Creek arm on the east	1,340	15	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	South end of reservoir near dam	1,209	16	0	
Surface Water: Running average Organics	No Concern-Limited Data	Aquilla Creek arm on the west	1,394	6	0	
Surface Water: Running average Organics	No Concern-Limited Data	Hackberry Creek arm on the east	1,340	7	0	

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Use (continued)						
Surface Water: Running average Organics	No Concern-Limited Data	South end of reservoir near dam	1,209	5	0	
Overall Public Water Supply Use	Fully Supporting	Aquilla Creek arm on the west	1,394			
Overall Public Water Supply Use	Fully Supporting	Hackberry Creek arm on the east	1,340			
Overall Public Water Supply Use	Fully Supporting	South end of reservoir near dam	1,209			
Overall Use Support						
	Fully Supporting	Aquilla Creek arm on the west	1,394			
	Fully Supporting	Hackberry Creek arm on the east	1,340			
	Fully Supporting	South end of reservoir near dam	1,209			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	Aquilla Creek arm on the west	1,394	9	0	
Ammonia Nitrogen	No Concern	Hackberry Creek arm on the east	1,340	10	0	
Ammonia Nitrogen	No Concern	South end of reservoir near dam	1,209	11	0	
Nitrite + Nitrate Nitrogen	Concern	Aquilla Creek arm on the west	1,394	13	6	
Nitrite + Nitrate Nitrogen	Concern	Hackberry Creek arm on the east	1,340	15	9	
Nitrite + Nitrate Nitrogen	Concern	South end of reservoir near dam	1,209	16	8	
Orthophosphorus	No Concern	Aquilla Creek arm on the west	1,394	13	0	
Orthophosphorus	No Concern	Hackberry Creek arm on the east	1,340	15	0	
Orthophosphorus	No Concern	South end of reservoir near dam	1,209	16	0	
Total Phosphorus	Not Assessed	Aquilla Creek arm on the west	1,394	9	0	
Total Phosphorus	No Concern	Hackberry Creek arm on the east	1,340	10	0	
Total Phosphorus	No Concern	South end of reservoir near dam	1,209	11	0	
Overall Nutrient Enrichment Concerns	Concern	Aquilla Creek arm on the west	1,394			

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Overall Nutrient Enrichment Concerns	Concern	Hackberry Creek arm on the east	1,340			
Overall Nutrient Enrichment Concerns	Concern	South end of reservoir near dam	1,209			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Aquilla Creek arm on the west	1,394	9	0	
Chlorophyll a	No Concern	Hackberry Creek arm on the east	1,340	10	0	
Chlorophyll a	No Concern	South end of reservoir near dam	1,209	11	0	
Sediment Contaminants Concern						
PEL Metals in sediment Arsenic	Not Assessed	Aquilla Creek arm on the west	1,394	2	1	
PEL Metals in sediment Arsenic	Not Assessed	Hackberry Creek arm on the east	1,340	4	4	
PEL Metals in sediment Nickel	Not Assessed	Aquilla Creek arm on the west	1,394	2	1	
PEL Metals in sediment Nickel	Not Assessed	Hackberry Creek arm on the east	1,340	4	4	
85% Metals in sediment Arsenic	Not Assessed	Hackberry Creek arm on the east	1,340	4	4	
85% Metals in sediment Cadmium	Not Assessed	Hackberry Creek arm on the east	1,340	3	3	
85% Metals in sediment Chromium	Not Assessed	Aquilla Creek arm on the west	1,394	2	1	
85% Metals in sediment Chromium	Not Assessed	Hackberry Creek arm on the east	1,340	4	4	
85% Metals in sediment Copper	Not Assessed	Hackberry Creek arm on the east	1,340	4	3	
85% Metals in sediment Nickel	Not Assessed	Aquilla Creek arm on the west	1,394	2	1	
85% Metals in sediment Nickel	Not Assessed	Hackberry Creek arm on the east	1,340	4	4	
Organics in sediment	Not Assessed	Aquilla Creek arm on the west	1,394	2	0	
Organics in sediment	Not Assessed	Hackberry Creek arm on the east	1,340	2	0	
Overall Sediment Contaminant Concerns	Not Assessed	Aquilla Creek arm on the west	1,394			
Overall Sediment Contaminant Concerns	Not Assessed	Hackberry Creek arm on the east	1,340			

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Contaminants Concern (continued)						
Overall Sediment Contaminant Concerns	Not Assessed	South end of reservoir near dam	1,209			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Aquilla Creek arm on the west	1,394			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Hackberry Creek arm on the east	1,340			
Overall Fish Tissue Contaminant Concerns	Not Assessed	South end of reservoir near dam	1,209			
Public Water Supply Concern						
Finished Water: Chloride	No Concern	Aquilla Creek arm on the west	1,394			
Finished Water: Chloride	No Concern	Hackberry Creek arm on the east	1,340			
Finished Water: Chloride	No Concern	South end of reservoir near dam	1,209			
Finished Water: Sulfate	No Concern	Aquilla Creek arm on the west	1,394			
Finished Water: Sulfate	No Concern	Hackberry Creek arm on the east	1,340			
Finished Water: Sulfate	No Concern	South end of reservoir near dam	1,209			
Finished Water: Total Dissolved Solids	No Concern	Aquilla Creek arm on the west	1,394			
Finished Water: Total Dissolved Solids	No Concern	Hackberry Creek arm on the east	1,340			
Finished Water: Total Dissolved Solids	No Concern	South end of reservoir near dam	1,209			
Finished Water: MTBE	No Concern	Aquilla Creek arm on the west	1,394			
Finished Water: MTBE	No Concern	Hackberry Creek arm on the east	1,340			
Finished Water: MTBE	No Concern	South end of reservoir near dam	1,209			
Finished Water: Perchlorate	Not Assessed	Aquilla Creek arm on the west	1,394			
Finished Water: Perchlorate	Not Assessed	Hackberry Creek arm on the east	1,340			

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Finished Water: Perchlorate	Not Assessed	South end of reservoir near dam	1,209			
Finished Water: Overall	No Concern	Aquilla Creek arm on the west	1,394			
Finished Water: Overall	No Concern	Hackberry Creek arm on the east	1,340			
Finished Water: Overall	No Concern	South end of reservoir near dam	1,209			
Surface Water: Chloride	No Concern	Aquilla Creek arm on the west	1,394	41		11.1
Surface Water: Chloride	No Concern	Hackberry Creek arm on the east	1,340	41		11.1
Surface Water: Chloride	No Concern	South end of reservoir near dam	1,209	41		11.1
Surface Water: Sulfate	No Concern	Aquilla Creek arm on the west	1,394	38		49.9
Surface Water: Sulfate	No Concern	Hackberry Creek arm on the east	1,340	38		49.9
Surface Water: Sulfate	No Concern	South end of reservoir near dam	1,209	38		49.9
Surface Water: Total Dissolved Solids	No Concern	Aquilla Creek arm on the west	1,394	47		216.8
Surface Water: Total Dissolved Solids	No Concern	Hackberry Creek arm on the east	1,340	47		216.8
Surface Water: Total Dissolved Solids	No Concern	South end of reservoir near dam	1,209	47		216.8
Surface Water: Overall	No Concern	Aquilla Creek arm on the west	1,394			
Surface Water: Overall	No Concern	Hackberry Creek arm on the east	1,340			
Surface Water: Overall	No Concern	South end of reservoir near dam	1,209			
Overall Public Water Supply Concerns	No Concern	Aquilla Creek arm on the west	1,394			
Overall Public Water Supply Concerns	No Concern	Hackberry Creek arm on the east	1,340			
Overall Public Water Supply Concerns	No Concern	South end of reservoir near dam	1,209			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Aquilla Creek arm on the west	1,394			
Overall Narrative Criteria Concerns	No Concern	Hackberry Creek arm on the east	1,340			
Overall Narrative Criteria Concerns	No Concern	South end of reservoir near dam	1,209			

Segment ID: 1254 **Water body name:** Aquilla Reservoir

Reservoir | Brazos River Basin | Total size: 3,943 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Secondary Concern						
	Concern	Aquilla Creek arm on the west	1,394			
	Concern	Hackberry Creek arm on the east	1,340			
	Concern	South end of reservoir near dam	1,209			