

Segment ID: 1203 Water body name: Whitney Lake

Reservoir Brazos River Basin Total size: 23,560 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2002	Dissolved Oxygen grab average	No Concern	Brazos River arm of Whitney Lake	315	34	2	
2002	Dissolved Oxygen grab average	No Concern	Nolan River arm of Whitney Lake	322	31	2	
2002	Dissolved Oxygen grab average	Use Concern	Whitney Lake near dam	1,031	32	5	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Brazos River arm of Whitney Lake	315	34	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Nolan River arm of Whitney Lake	322	31	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Whitney Lake near dam	1,031	32	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Brazos River arm of Whitney Lake	315	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Nolan River arm of Whitney Lake	322	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Whitney Lake near dam	1,031	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Brazos River arm of Whitney Lake	315	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Nolan River arm of Whitney Lake	322	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Whitney Lake near dam	1,031	0		
2002	Overall Aquatic Life Use	Fully Supporting	Brazos River arm of Whitney Lake	315			
2002	Overall Aquatic Life Use	Not Assessed	Middle portion of lake	21,892			
2002	Overall Aquatic Life Use	Fully Supporting	Nolan River arm of Whitney Lake	322			
2002	Overall Aquatic Life Use	Fully Supporting	Whitney Lake near dam	1,031			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Brazos River arm of Whitney Lake	315	0		
2002	E. coli single sample	Not Assessed	Nolan River arm of Whitney Lake	322	0		
2002	E. coli single sample	Not Assessed	Whitney Lake near dam	1,031	0		
2002	E. coli geometric mean	Not Assessed	Brazos River arm of Whitney Lake	315	0		
2002	E. coli geometric mean	Not Assessed	Nolan River arm of Whitney Lake	322	0		
2002	E. coli geometric mean	Not Assessed	Whitney Lake near dam	1,031	0		

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Reservoir		Brazos River Basin		Total size: 23,560 Acres			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)							
2002	Fecal coliform single sample	Fully Supporting	Brazos River arm of Whitney Lake	315	27	0	
2002	Fecal coliform single sample	Fully Supporting	Nolan River arm of Whitney Lake	322	29	1	
2002	Fecal coliform single sample	Fully Supporting	Whitney Lake near dam	1,031	27	0	
2002	Fecal coliform geometric mean	Fully Supporting	Brazos River arm of Whitney Lake	315	27		6
2002	Fecal coliform geometric mean	Fully Supporting	Nolan River arm of Whitney Lake	322	29		36.7
2002	Fecal coliform geometric mean	Fully Supporting	Whitney Lake near dam	1,031	27		2
2002	Overall Recreation Use	Fully Supporting	Brazos River arm of Whitney Lake	315			
2002	Overall Recreation Use	Not Assessed	Middle portion of lake	21,892			
2002	Overall Recreation Use	Fully Supporting	Nolan River arm of Whitney Lake	322			
2002	Overall Recreation Use	Fully Supporting	Whitney Lake near dam	1,031			
General Use							
2002	Water Temperature	Fully Supporting	Brazos River arm of Whitney Lake	315	36	0	
2002	Water Temperature	Fully Supporting	Nolan River arm of Whitney Lake	322	35	0	
2002	Water Temperature	Fully Supporting	Whitney Lake near dam	1,031	35	0	
2002	pH	Fully Supporting	Brazos River arm of Whitney Lake	315	36	1	
2002	pH	Fully Supporting	Nolan River arm of Whitney Lake	322	34	0	
2002	pH	Fully Supporting	Whitney Lake near dam	1,031	34	0	
2002	Chloride	Fully Supporting	Brazos River arm of Whitney Lake	315	92		353
2002	Chloride	Fully Supporting	Middle portion of lake	21,892	92		353
2002	Chloride	Fully Supporting	Nolan River arm of Whitney Lake	322	92		353
2002	Chloride	Fully Supporting	Whitney Lake near dam	1,031	92		353
2002	Sulfate	Fully Supporting	Brazos River arm of Whitney Lake	315	89		133
2002	Sulfate	Fully Supporting	Middle portion of lake	21,892	89		133

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General Use (continued)

2002	Sulfate	Fully Supporting	Nolan River arm of Whitney Lake	322	89		133
2002	Sulfate	Fully Supporting	Whitney Lake near dam	1,031	89		133
2002	Total Dissolved Solids	Fully Supporting	Brazos River arm of Whitney Lake	315	106		889.4
2002	Total Dissolved Solids	Fully Supporting	Middle portion of lake	21,892	106		889.4
2002	Total Dissolved Solids	Fully Supporting	Nolan River arm of Whitney Lake	322	106		889.4
2002	Total Dissolved Solids	Fully Supporting	Whitney Lake near dam	1,031	106		889.4
2002	Overall General Use	Fully Supporting	Brazos River arm of Whitney Lake	315			
2002	Overall General Use	Fully Supporting	Middle portion of lake	21,892			
2002	Overall General Use	Fully Supporting	Nolan River arm of Whitney Lake	322			
2002	Overall General Use	Fully Supporting	Whitney Lake near dam	1,031			

Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	Brazos River arm of Whitney Lake	315			
2002	Overall Fish Consumption Use	Not Assessed	Middle portion of lake	21,892			
2002	Overall Fish Consumption Use	Not Assessed	Nolan River arm of Whitney Lake	322			
2002	Overall Fish Consumption Use	Not Assessed	Whitney Lake near dam	1,031			

Public Water Supply Use

2002	Overall Public Water Supply Use	Fully Supporting	Brazos River arm of Whitney Lake	315			
2002	Overall Public Water Supply Use	Fully Supporting	Middle portion of lake	21,892			
2002	Overall Public Water Supply Use	Fully Supporting	Nolan River arm of Whitney Lake	322			
2002	Overall Public Water Supply Use	Fully Supporting	Whitney Lake near dam	1,031			

Overall Use Support

2002		Fully Supporting	Brazos River arm of Whitney Lake	315			
2002		Fully Supporting	Middle portion of lake	21,892			

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Reservoir	Brazos River Basin	Total size:	23,560 Acres				
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support (continued)							
2002		Fully Supporting	Nolan River arm of Whitney Lake	322			
2002		Fully Supporting	Whitney Lake near dam	1,031			
Nutrient Enrichment Concern							
2002	Ammonia Nitrogen	Not Assessed	Brazos River arm of Whitney Lake	315	3	0	
2002	Ammonia Nitrogen	Not Assessed	Nolan River arm of Whitney Lake	322	2	1	
2002	Ammonia Nitrogen	Not Assessed	Whitney Lake near dam	1,031	3	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Brazos River arm of Whitney Lake	315	32	7	
2002	Nitrite + Nitrate Nitrogen	Concern	Nolan River arm of Whitney Lake	322	31	9	
2002	Nitrite + Nitrate Nitrogen	No Concern	Whitney Lake near dam	1,031	32	3	
2002	Orthophosphorus	No Concern	Brazos River arm of Whitney Lake	315	32	0	
2002	Orthophosphorus	No Concern	Nolan River arm of Whitney Lake	322	31	2	
2002	Orthophosphorus	No Concern	Whitney Lake near dam	1,031	32	2	
2002	Total Phosphorus	Not Assessed	Brazos River arm of Whitney Lake	315	3	0	
2002	Total Phosphorus	Not Assessed	Nolan River arm of Whitney Lake	322	2	0	
2002	Total Phosphorus	Not Assessed	Whitney Lake near dam	1,031	3	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Brazos River arm of Whitney Lake	315			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Middle portion of lake	21,892			
2002	Overall Nutrient Enrichment Concerns	Concern	Nolan River arm of Whitney Lake	322			
2002	Overall Nutrient Enrichment Concerns	No Concern	Whitney Lake near dam	1,031			

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Reservoir Brazos River Basin Total size: 23,560 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Brazos River arm of Whitney Lake	315	3	2	
2002	Chlorophyll a	Not Assessed	Middle portion of lake	21,892			
2002	Chlorophyll a	Not Assessed	Nolan River arm of Whitney Lake	322	2	1	
2002	Chlorophyll a	Not Assessed	Whitney Lake near dam	1,031	3	0	

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Brazos River arm of Whitney Lake	315			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle portion of lake	21,892			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Nolan River arm of Whitney Lake	322			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Whitney Lake near dam	1,031			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Brazos River arm of Whitney Lake	315			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle portion of lake	21,892			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Nolan River arm of Whitney Lake	322			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Whitney Lake near dam	1,031			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Brazos River arm of Whitney Lake	315			
2002	Finished Water: Chloride	No Concern	Middle portion of lake	21,892			
2002	Finished Water: Chloride	No Concern	Nolan River arm of Whitney Lake	322			
2002	Finished Water: Chloride	No Concern	Whitney Lake near dam	1,031			

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Reservoir

Brazos River Basin

Total size:

23,560 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Public Water Supply Concern (continued)

2002	Finished Water: Sulfate	No Concern	Brazos River arm of Whitney Lake	315			
2002	Finished Water: Sulfate	No Concern	Middle portion of lake	21,892			
2002	Finished Water: Sulfate	No Concern	Nolan River arm of Whitney Lake	322			
2002	Finished Water: Sulfate	No Concern	Whitney Lake near dam	1,031			
2002	Finished Water: Total Dissolved Solids	No Concern	Brazos River arm of Whitney Lake	315			
2002	Finished Water: Total Dissolved Solids	No Concern	Middle portion of lake	21,892			
2002	Finished Water: Total Dissolved Solids	No Concern	Nolan River arm of Whitney Lake	322			
2002	Finished Water: Total Dissolved Solids	No Concern	Whitney Lake near dam	1,031			
2002	Finished Water: MTBE	No Concern	Brazos River arm of Whitney Lake	315			
2002	Finished Water: MTBE	No Concern	Middle portion of lake	21,892			
2002	Finished Water: MTBE	No Concern	Nolan River arm of Whitney Lake	322			
2002	Finished Water: MTBE	No Concern	Whitney Lake near dam	1,031			
2002	Finished Water: Perchlorate	Not Assessed	Brazos River arm of Whitney Lake	315			
2002	Finished Water: Perchlorate	Not Assessed	Middle portion of lake	21,892			
2002	Finished Water: Perchlorate	Not Assessed	Nolan River arm of Whitney Lake	322			
2002	Finished Water: Perchlorate	Not Assessed	Whitney Lake near dam	1,031			
2002	Finished Water: Overall	No Concern	Brazos River arm of Whitney Lake	315			
2002	Finished Water: Overall	No Concern	Middle portion of lake	21,892			
2002	Finished Water: Overall	No Concern	Nolan River arm of Whitney Lake	322			
2002	Finished Water: Overall	No Concern	Whitney Lake near dam	1,031			
2002	Surface Water: Chloride	Concern	Brazos River arm of Whitney Lake	315	92		353

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Public Water Supply Concern (continued)							
2002	Surface Water: Chloride	Concern	Middle portion of lake	21,892	92		353
2002	Surface Water: Chloride	Concern	Nolan River arm of Whitney Lake	322	92		353
2002	Surface Water: Chloride	Concern	Whitney Lake near dam	1,031	92		353
2002	Surface Water: Sulfate	No Concern	Brazos River arm of Whitney Lake	315	89		133
2002	Surface Water: Sulfate	No Concern	Middle portion of lake	21,892	89		133
2002	Surface Water: Sulfate	No Concern	Nolan River arm of Whitney Lake	322	89		133
2002	Surface Water: Sulfate	No Concern	Whitney Lake near dam	1,031	89		133
2002	Surface Water: Total Dissolved Solids	No Concern	Brazos River arm of Whitney Lake	315	106		889.4
2002	Surface Water: Total Dissolved Solids	No Concern	Middle portion of lake	21,892	106		889.4
2002	Surface Water: Total Dissolved Solids	No Concern	Nolan River arm of Whitney Lake	322	106		889.4
2002	Surface Water: Total Dissolved Solids	No Concern	Whitney Lake near dam	1,031	106		889.4
2002	Surface Water: Overall	Concern	Brazos River arm of Whitney Lake	315			
2002	Surface Water: Overall	Concern	Middle portion of lake	21,892			
2002	Surface Water: Overall	Concern	Nolan River arm of Whitney Lake	322			
2002	Surface Water: Overall	Concern	Whitney Lake near dam	1,031			
2002	Overall Public Water Supply Concerns	Concern	Brazos River arm of Whitney Lake	315			
2002	Overall Public Water Supply Concerns	Concern	Middle portion of lake	21,892			
2002	Overall Public Water Supply Concerns	Concern	Nolan River arm of Whitney Lake	322			
2002	Overall Public Water Supply Concerns	Concern	Whitney Lake near dam	1,031			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Brazos River arm of Whitney Lake	315			
2002	Overall Narrative Criteria Concerns	No Concern	Middle portion of lake	21,892			
2002	Overall Narrative Criteria Concerns	No Concern	Nolan River arm of Whitney Lake	322			
2002	Overall Narrative Criteria Concerns	No Concern	Whitney Lake near dam	1,031			

Overall Secondary Concern

2002		Concern	Brazos River arm of Whitney Lake	315			
2002		Concern	Middle portion of lake	21,892			
2002		Concern	Nolan River arm of Whitney Lake	322			
2002		Concern	Whitney Lake near dam	1,031			