

Segment ID: 0610 **Water body name: Sam Rayburn Reservoir**

Reservoir

Neches River Basin

Total size:

114,500 Acres

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

2002	Total Dissolved Solids	Fully Supporting	Mid-Angelina River arm (SH 147)	20,331	289		99.9
2002	Total Dissolved Solids	Fully Supporting	Upper Angelina River arm	7,967	289		99.9
2002	Total Dissolved Solids	Fully Supporting	Upper Attoyac Bayou arm	4,261	289		99.9
2002	Total Dissolved Solids	Fully Supporting	Upper Ayish Bayou arm	3,365	289		99.9
2002	Total Dissolved Solids	Fully Supporting	Upper mid-Angelina River arm	8,836	289		99.9
2002	Overall General Use	Fully Supporting	Bear Creek arm	6,106			
2002	Overall General Use	Fully Supporting	Extreme upper Angelina River arm	3,759			
2002	Overall General Use	Fully Supporting	Lower Angelina River arm	27,621			
2002	Overall General Use	Fully Supporting	Lower Attoyac Bayou arm	6,206			
2002	Overall General Use	Fully Supporting	Lower Ayish Bayou arm	9,676			
2002	Overall General Use	Fully Supporting	Main pool by the dam	16,372			
2002	Overall General Use	Fully Supporting	Mid-Angelina River arm (SH 147)	20,331			
2002	Overall General Use	Fully Supporting	Upper Angelina River arm	7,967			
2002	Overall General Use	Fully Supporting	Upper Attoyac Bayou arm	4,261			
2002	Overall General Use	Fully Supporting	Upper Ayish Bayou arm	3,365			
2002	Overall General Use	Fully Supporting	Upper mid-Angelina River arm	8,836			

Fish Consumption Use

2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Bear Creek arm	6,106			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Extreme upper Angelina River arm	3,759			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower Angelina River arm	27,621			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower Attoyac Bayou arm	6,206			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower Ayish Bayou arm	9,676			

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Public Water Supply Use (continued)

2002	Surface Water: Long-term average Metals	Not Assessed	Lower Angelina River arm	27,621	3		
2002	Surface Water: Long-term average Metals	Not Assessed	Lower Attoyac Bayou arm	6,206	2		
2002	Surface Water: Long-term average Metals	Not Assessed	Lower Ayish Bayou arm	9,676	3		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Main pool by the dam	16,372	8		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Mid-Angelina River arm (SH 147)	20,331	9		
2002	Surface Water: Long-term average Metals	Fully Supporting	Upper Angelina River arm	7,967	10		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Upper Attoyac Bayou arm	4,261	7		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Upper Ayish Bayou arm	3,365	7		
2002	Surface Water: Long-term average Metals	Not Assessed	Upper mid-Angelina River arm	8,836	2		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Bear Creek arm	6,106	11		0.037
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower Attoyac Bayou arm	6,206	10		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower Ayish Bayou arm	9,676	11		0.036
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Main pool by the dam	16,372	25		0.06
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Mid-Angelina River arm (SH 147)	20,331	18		0.04
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper Attoyac Bayou arm	4,261	7		

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Public Water Supply Use (continued)

2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper Ayish Bayou arm	3,365	6		0.065
2002	Surface Water: Long-term average Organics	Not Assessed	Main pool by the dam	16,372	1		
2002	Surface Water: Long-term average Organics	Not Assessed	Mid-Angelina River arm (SH 147)	20,331	1		
2002	Surface Water: Running average Metals	Not Assessed	Bear Creek arm	6,106	3		
2002	Surface Water: Running average Metals	Not Assessed	Extreme upper Angelina River arm	3,759	4	0	
2002	Surface Water: Running average Metals	Not Assessed	Lower Angelina River arm	27,621	3	0	
2002	Surface Water: Running average Metals	Not Assessed	Lower Attoyac Bayou arm	6,206	2		
2002	Surface Water: Running average Metals	Not Assessed	Lower Ayish Bayou arm	9,676	3		
2002	Surface Water: Running average Metals	No Concern-Limited Data	Main pool by the dam	16,372	8	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Mid-Angelina River arm (SH 147)	20,331	9		
2002	Surface Water: Running average Metals	Fully Supporting	Upper Angelina River arm	7,967	10	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Upper Attoyac Bayou arm	4,261	7	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Upper Ayish Bayou arm	3,365	7		
2002	Surface Water: Running average Metals	Not Assessed	Upper mid-Angelina River arm	8,836	2	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Bear Creek arm	6,106	11	0	

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	No Concern	Lower Attoyac Bayou arm	6,206			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower Ayish Bayou arm	9,676			
2002	Overall Nutrient Enrichment Concerns	No Concern	Main pool by the dam	16,372			
2002	Overall Nutrient Enrichment Concerns	No Concern	Mid-Angelina River arm (SH 147)	20,331			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper Angelina River arm	7,967			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper Attoyac Bayou arm	4,261			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper Ayish Bayou arm	3,365			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper mid-Angelina River arm	8,836			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Bear Creek arm	6,106	0		
2002	Chlorophyll a	Not Assessed	Extreme upper Angelina River arm	3,759			
2002	Chlorophyll a	Not Assessed	Lower Angelina River arm	27,621			
2002	Chlorophyll a	Not Assessed	Lower Attoyac Bayou arm	6,206	0		
2002	Chlorophyll a	Not Assessed	Lower Ayish Bayou arm	9,676	0		
2002	Chlorophyll a	No Concern	Main pool by the dam	16,372	14	0	
2002	Chlorophyll a	No Concern	Mid-Angelina River arm (SH 147)	20,331	18	0	
2002	Chlorophyll a	No Concern	Upper Angelina River arm	7,967	18	0	
2002	Chlorophyll a	Not Assessed	Upper Attoyac Bayou arm	4,261	6	0	
2002	Chlorophyll a	Not Assessed	Upper Ayish Bayou arm	3,365	6	1	
2002	Chlorophyll a	Not Assessed	Upper mid-Angelina River arm	8,836			

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Public Water Supply Concern (continued)

2002	Finished Water: Overall	No Concern	Main pool by the dam	16,372			
2002	Finished Water: Overall	No Concern	Mid-Angelina River arm (SH 147)	20,331			
2002	Finished Water: Overall	No Concern	Upper Angelina River arm	7,967			
2002	Finished Water: Overall	No Concern	Upper Attoyac Bayou arm	4,261			
2002	Finished Water: Overall	No Concern	Upper Ayish Bayou arm	3,365			
2002	Finished Water: Overall	No Concern	Upper mid-Angelina River arm	8,836			
2002	Surface Water: Chloride	No Concern	Bear Creek arm	6,106	87		27.5
2002	Surface Water: Chloride	No Concern	Extreme upper Angelina River arm	3,759	87		27.5
2002	Surface Water: Chloride	No Concern	Lower Angelina River arm	27,621	87		27.5
2002	Surface Water: Chloride	No Concern	Lower Attoyac Bayou arm	6,206	87		27.5
2002	Surface Water: Chloride	No Concern	Lower Ayish Bayou arm	9,676	87		27.5
2002	Surface Water: Chloride	No Concern	Main pool by the dam	16,372	87		27.5
2002	Surface Water: Chloride	No Concern	Mid-Angelina River arm (SH 147)	20,331	87		27.5
2002	Surface Water: Chloride	No Concern	Upper Angelina River arm	7,967	87		27.5
2002	Surface Water: Chloride	No Concern	Upper Attoyac Bayou arm	4,261	87		27.5
2002	Surface Water: Chloride	No Concern	Upper Ayish Bayou arm	3,365	87		27.5
2002	Surface Water: Chloride	No Concern	Upper mid-Angelina River arm	8,836	87		27.5
2002	Surface Water: Sulfate	No Concern	Bear Creek arm	6,106	87		24.3
2002	Surface Water: Sulfate	No Concern	Extreme upper Angelina River arm	3,759	87		24.3
2002	Surface Water: Sulfate	No Concern	Lower Angelina River arm	27,621	87		24.3
2002	Surface Water: Sulfate	No Concern	Lower Attoyac Bayou arm	6,206	87		24.3
2002	Surface Water: Sulfate	No Concern	Lower Ayish Bayou arm	9,676	87		24.3
2002	Surface Water: Sulfate	No Concern	Main pool by the dam	16,372	87		24.3
2002	Surface Water: Sulfate	No Concern	Mid-Angelina River arm (SH 147)	20,331	87		24.3
2002	Surface Water: Sulfate	No Concern	Upper Angelina River arm	7,967	87		24.3

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Overall Secondary Concern

2004		Concern	Bear Creek arm	6,106			
2004		Concern	Extreme upper Angelina River arm	3,759			
2004		Concern	Lower Angelina River arm	27,621			
2002		No Concern	Lower Attoyac Bayou arm	6,206			
2002		No Concern	Lower Ayish Bayou arm	9,676			
2004		Concern	Main pool by the dam	16,372			
2004		Concern	Mid-Angelina River arm (SH 147)	20,331			
2004		Concern	Upper Angelina River arm	7,967			
2002		No Concern	Upper Attoyac Bayou arm	4,261			
2004		Concern	Upper Ayish Bayou arm	3,365			
2002		No Concern	Upper mid-Angelina River arm	8,836			