Segment ID: 0615 **Water body name:** Angelina River/Sam Rayburn Reservoir

Reservoir Neches River Basin Total size: 3,555 Acres

Aquatic Life Use

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Dissolved Oxygen grab average	Use Concern	Downstream of Papermill Creek	3,365	26	11	
2002	Dissolved Oxygen grab average	No Concern	Upstream of Papermill Creek	190	18	1	
2002	Dissolved Oxygen grab minimum	Use Concern	Downstream of Papermill Creek	3,365	26	3	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upstream of Papermill Creek	190	18	0	
2002	Dissolved Oxygen 24hr average	Use Concern-Limited Data	Downstream of Papermill Creek	3,365	6	4	
2002	Dissolved Oxygen 24hr average	No Concern-Limited Data	Upstream of Papermill Creek	190	6	0	
2002	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Downstream of Papermill Creek	3,365	6	1	
2002	Dissolved Oxygen 24hr minimum	No Concern-Limited Data	Upstream of Papermill Creek	190	6	0	
2002	Acute Metals in water Aluminum	Fully Supporting	Downstream of Papermill Creek	3,365	16	0	
2002	Acute Metals in water Copper	Fully Supporting	Downstream of Papermill Creek	3,365	16	1	
2002	Acute Metals in water Copper	Fully Supporting	Upstream of Papermill Creek	190	15	1	
2002	Chronic Metals in water	Fully Supporting	Upstream of Papermill Creek	190	15		
2002	Chronic Metals in water Lead	Fully Supporting	Downstream of Papermill Creek	3,365	16		0.565
2002	Acute Organics in water	Not Assessed	Downstream of Papermill Creek	3,365	2	0	
2002	Acute Organics in water	Not Assessed	Upstream of Papermill Creek	190	3		
2002	Chronic Organics in water	Not Assessed	Downstream of Papermill Creek	3,365	2		
2002	Chronic Organics in water	Not Assessed	Upstream of Papermill Creek	190	3		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Downstream of Papermill Creek	3,365	4	0	
2002	Chronic Toxicity tests in water	Not Assessed	Upstream of Papermill Creek	190	3	1	

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Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)							
2002	Chronic Toxicity tests in sediment	Not Assessed	Upstream of Papermill Creek	190	1	0	
2002	Habitat	Fully Supporting	Downstream of Papermill Creek	3,365	1	0	20.5
2002	Habitat	Use Concern-Limited Data	Upstream of Papermill Creek	190	1	1	14.5
2002	Fish Community	Not Supporting	Downstream of Papermill Creek	3,365	6	6	39.7
2002	Fish Community	Fully Supporting	Upstream of Papermill Creek	190	7	2	48.9
2002	Overall Aquatic Life Use	Not Supporting	Downstream of Papermill Creek	3,365			
2002	Overall Aquatic Life Use	Fully Supporting	Upstream of Papermill Creek	190			
Contact Recreation Use							
2002	E. coli single sample	Not Assessed	Downstream of Papermill Creek	3,365	0		
2002	E. coli single sample	Not Assessed	Upstream of Papermill Creek	190	0		
2002	E. coli geometric mean	Not Assessed	Downstream of Papermill Creek	3,365	0		
2002	E. coli geometric mean	Not Assessed	Upstream of Papermill Creek	190	0		
2002	Fecal coliform single sample	Fully Supporting	Downstream of Papermill Creek	3,365	27	1	
2002	Fecal coliform single sample	Fully Supporting	Upstream of Papermill Creek	190	28	2	
2002	Fecal coliform geometric mean	Fully Supporting	Downstream of Papermill Creek	3,365	27		137
2002	Fecal coliform geometric mean	Fully Supporting	Upstream of Papermill Creek	190	28		90
2002	Overall Recreation Use	Fully Supporting	Downstream of Papermill Creek	3,365			
2002	Overall Recreation Use	Fully Supporting	Upstream of Papermill Creek	190			
General Use							
2002	Water Temperature	Fully Supporting	Downstream of Papermill Creek	3,365	26	0	

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Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)							
2002	Water Temperature	Fully Supporting	Upstream of Papermill Creek	190	28	0	
2002	pH	Fully Supporting	Downstream of Papermill Creek	3,365	26	0	
2002	pH	Fully Supporting	Upstream of Papermill Creek	190	28	0	
2002	Chloride	Fully Supporting	Downstream of Papermill Creek	3,365	38		59.1
2002	Chloride	Fully Supporting	Upstream of Papermill Creek	190	38		59.1
2002	Sulfate	Fully Supporting	Downstream of Papermill Creek	3,365	38		45.5
2002	Sulfate	Fully Supporting	Upstream of Papermill Creek	190	38		45.5
2002	Total Dissolved Solids	Fully Supporting	Downstream of Papermill Creek	3,365	55		309.4
2002	Total Dissolved Solids	Fully Supporting	Upstream of Papermill Creek	190	55		309.4
2002	Overall General Use	Fully Supporting	Downstream of Papermill Creek	3,365			
2002	Overall General Use	Fully Supporting	Upstream of Papermill Creek	190			
Fish Consumption Use							
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Downstream of Papermill Creek	3,365			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Upstream of Papermill Creek	190			
2002	Human Health Criteria Metals	Fully Supporting	Downstream of Papermill Creek	3,365	14		
2002	Human Health Criteria Metals	Fully Supporting	Upstream of Papermill Creek	190	15		
2002	Human Health Criteria Organics	Not Assessed	Downstream of Papermill Creek	3,365	1		
2002	Human Health Criteria Organics	Not Assessed	Upstream of Papermill Creek	190	2		
2002	Overall Fish Consumption Use	Partially Supporting	Downstream of Papermill Creek	3,365			
2002	Overall Fish Consumption Use	Partially Supporting	Upstream of Papermill Creek	190			

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Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Use							
2002	Finished Water: Running Avg	Fully Supporting	Downstream of Papermill Creek	3,365			
2002	Finished Water: Running Avg	Fully Supporting	Upstream of Papermill Creek	190			
2002	Surface Water: Long-term average Metals	Fully Supporting	Downstream of Papermill Creek	3,365	15		
2002	Surface Water: Long-term average Metals	Fully Supporting	Upstream of Papermill Creek	190	15		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Downstream of Papermill Creek	3,365	19		0.239
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upstream of Papermill Creek	190	19		0.03
2002	Surface Water: Long-term average Organics	Not Assessed	Downstream of Papermill Creek	3,365	3		
2002	Surface Water: Long-term average Organics	Not Assessed	Upstream of Papermill Creek	190	3		
2002	Surface Water: Running average Metals	Fully Supporting	Downstream of Papermill Creek	3,365	15	0	
2002	Surface Water: Running average Metals	Fully Supporting	Upstream of Papermill Creek	190	15	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Downstream of Papermill Creek	3,365	19	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upstream of Papermill Creek	190	19	0	
2002	Surface Water: Running average Organics	Not Assessed	Downstream of Papermill Creek	3,365	3	0	
2002	Surface Water: Running average Organics	Not Assessed	Upstream of Papermill Creek	190	3	0	
2002	Overall Public Water Supply Use	Fully Supporting	Downstream of Papermill Creek	3,365			
2002	Overall Public Water Supply Use	Fully Supporting	Upstream of Papermill Creek	190			

Segment ID: 0615 **Water body name:** Angelina River/Sam Rayburn Reservoir

Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support							
2002		Not Supporting	Downstream of Papermill Creek	3,365			
2002		Partially Supporting	Upstream of Papermill Creek	190			
Nutrient Enrichment Concern							
2002	Ammonia Nitrogen	Concern	Downstream of Papermill Creek	3,365	19	9	
2002	Ammonia Nitrogen	No Concern	Upstream of Papermill Creek	190	19	0	
2002	Nitrite + Nitrate Nitrogen	Concern	Downstream of Papermill Creek	3,365	19	7	
2002	Nitrite + Nitrate Nitrogen	Concern	Upstream of Papermill Creek	190	19	7	
2002	Orthophosphorus	Concern	Downstream of Papermill Creek	3,365	19	8	
2002	Orthophosphorus	No Concern	Upstream of Papermill Creek	190	19	3	
2002	Total Phosphorus	Concern	Downstream of Papermill Creek	3,365	19	10	
2002	Total Phosphorus	No Concern	Upstream of Papermill Creek	190	19	4	
2002	Overall Nutrient Enrichment Concerns	Concern	Downstream of Papermill Creek	3,365			
2002	Overall Nutrient Enrichment Concerns	Concern	Upstream of Papermill Creek	190			
Algal Growth Concern							
2002	Chlorophyll a	No Concern	Downstream of Papermill Creek	3,365	19	0	
2002	Chlorophyll a	No Concern	Upstream of Papermill Creek	190	19	1	
Sediment Contaminants Concern							
2002	Overall Sediment Contaminant Concerns	Not Assessed	Downstream of Papermill Creek	3,365			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upstream of Papermill Creek	190			

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Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Contaminants Concern							
2002	Metals in fish tissue	No Concern	Downstream of Papermill Creek	3,365	12	0	
2002	Organics in fish tissue	No Concern	Downstream of Papermill Creek	3,365	12	0	
2002	Overall Fish Tissue Contaminant Concerns	No Concern	Downstream of Papermill Creek	3,365			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream of Papermill Creek	190			
Public Water Supply Concern							
2002	Finished Water: Chloride	No Concern	Downstream of Papermill Creek	3,365			
2002	Finished Water: Chloride	No Concern	Upstream of Papermill Creek	190			
2002	Finished Water: Sulfate	No Concern	Downstream of Papermill Creek	3,365			
2002	Finished Water: Sulfate	No Concern	Upstream of Papermill Creek	190			
2002	Finished Water: Total Dissolved Solids	No Concern	Downstream of Papermill Creek	3,365			
2002	Finished Water: Total Dissolved Solids	No Concern	Upstream of Papermill Creek	190			
2002	Finished Water: MTBE	No Concern	Downstream of Papermill Creek	3,365			
2002	Finished Water: MTBE	No Concern	Upstream of Papermill Creek	190			
2002	Finished Water: Perchlorate	Not Assessed	Downstream of Papermill Creek	3,365			
2002	Finished Water: Perchlorate	Not Assessed	Upstream of Papermill Creek	190			
2002	Finished Water: Overall	No Concern	Downstream of Papermill Creek	3,365			
2002	Finished Water: Overall	No Concern	Upstream of Papermill Creek	190			
2002	Surface Water: Chloride	No Concern	Downstream of Papermill Creek	3,365	38		59.1
2002	Surface Water: Chloride	No Concern	Upstream of Papermill Creek	190	38		59.1

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Reservoir Neches River Basin Total size: 3,555 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)							
2002	Surface Water: Sulfate	No Concern	Downstream of Papermill Creek	3,365	38		45.5
2002	Surface Water: Sulfate	No Concern	Upstream of Papermill Creek	190	38		45.5
2002	Surface Water: Total Dissolved Solids	No Concern	Downstream of Papermill Creek	3,365	55		309.4
2002	Surface Water: Total Dissolved Solids	No Concern	Upstream of Papermill Creek	190	55		309.4
2002	Surface Water: Overall	No Concern	Downstream of Papermill Creek	3,365			
2002	Surface Water: Overall	No Concern	Upstream of Papermill Creek	190			
2002	Overall Public Water Supply Concerns	No Concern	Downstream of Papermill Creek	3,365			
2002	Overall Public Water Supply Concerns	No Concern	Upstream of Papermill Creek	190			
Narrative Criteria Concern							
2002	Color	Concern	Downstream of Papermill Creek	3,365			
2002	Color	Concern	Upstream of Papermill Creek	190			
2002	Overall Narrative Criteria Concerns	Concern	Downstream of Papermill Creek	3,365			
2002	Overall Narrative Criteria Concerns	Concern	Upstream of Papermill Creek	190			
Overall Secondary Concern							
2002		Concern	Downstream of Papermill Creek	3,365			
2002		Concern	Upstream of Papermill Creek	190			