

Segment ID: 0302

Water body name: Wright Patman Lake

Reservoir Sulphur River Basin Total size: 20,300 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	Not Assessed	1600 acres in upper mid-lake	1,600	8	1	
2002	Dissolved Oxygen grab average	Not Assessed	1600 acres southwest of dam	1,600	8	0	
2002	Dissolved Oxygen grab average	Not Assessed	200 acres in the northwestern tip of lake	200	8	0	
2002	Dissolved Oxygen grab average	No Concern	2300 acres in arm, west of dam	2,300	10	0	
2002	Dissolved Oxygen grab average	Not Assessed	300 acres at International Paper intake	300	4	0	
2002	Dissolved Oxygen grab average	Not Assessed	400 acres, north dam	400	2		
2002	Dissolved Oxygen grab average	Not Assessed	400 acres, south dam	400	3	2	
2002	Dissolved Oxygen grab average	Use Concern	4000 acres in upper portion of lake	4,000	20	8	
2002	Dissolved Oxygen grab average	Not Assessed	4000 acres mid-lake	4,000	8	0	
2002	Dissolved Oxygen grab average	No Concern	500 acres in the northeast corner of lake	500	10	0	
2002	Dissolved Oxygen grab average	No Concern	5000 acres mid-lake, below Hwy 8	5,000	10	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	1600 acres in upper mid-lake	1,600	8	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	1600 acres southwest of dam	1,600	8	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	200 acres in the northwestern tip of lake	200	8	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	2300 acres in arm, west of dam	2,300	10	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	300 acres at International Paper intake	300	4	0	
2002	Dissolved Oxygen grab minimum	Not Assessed	400 acres, north dam	400	2		
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	400 acres, south dam	400	3	1	
2002	Dissolved Oxygen grab minimum	Partially Supporting	4000 acres in upper portion of lake	4,000	20	4	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	4000 acres mid-lake	4,000	8	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	500 acres in the northeast corner of lake	500	10	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	5000 acres mid-lake, below Hwy 8	5,000	10	0	

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Aquatic Life Use (continued)

2002	Acute Metals in water	No Concern-Limited Data	4000 acres in upper portion of lake	4,000	7	0	
2002	Acute Metals in water	No Concern-Limited Data	500 acres in the northeast corner of lake	500	6	0	
2002	Acute Metals in water	No Concern-Limited Data	5000 acres mid-lake, below Hwy 8	5,000	6	0	
2002	Chronic Metals in water	No Concern-Limited Data	1600 acres southwest of dam	1,600	7		
2002	Chronic Metals in water	Not Assessed	300 acres at International Paper intake	300	1		
2002	Chronic Metals in water	No Concern-Limited Data	4000 acres in upper portion of lake	4,000	7		
2002	Chronic Metals in water	No Concern-Limited Data	500 acres in the northeast corner of lake	500	6		
2002	Chronic Metals in water	No Concern-Limited Data	5000 acres mid-lake, below Hwy 8	5,000	6		
2004	Overall Aquatic Life Use	Not Assessed	1600 acres in upper mid-lake	1,600			
2004	Overall Aquatic Life Use	Not Assessed	1600 acres southwest of dam	1,600			
2004	Overall Aquatic Life Use	Not Assessed	200 acres in the northwestern tip of lake	200			
2004	Overall Aquatic Life Use	Fully Supporting	2300 acres in arm, west of dam	2,300			
2004	Overall Aquatic Life Use	Partially Supporting	300 acres at International Paper intake	300			
2004	Overall Aquatic Life Use	Not Assessed	400 acres, north dam	400			
2004	Overall Aquatic Life Use	Not Assessed	400 acres, south dam	400			
2004	Overall Aquatic Life Use	Not Supporting	4000 acres in upper portion of lake	4,000			
2004	Overall Aquatic Life Use	Not Assessed	4000 acres mid-lake	4,000			
2004	Overall Aquatic Life Use	Fully Supporting	500 acres in the northeast corner of lake	500			
2004	Overall Aquatic Life Use	Fully Supporting	5000 acres mid-lake, below Hwy 8	5,000			

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General Use (continued)

2004	Water Temperature	Fully Supporting	4000 acres in upper portion of lake	4,000	30	0	
2004	Water Temperature	Not Assessed	4000 acres mid-lake	4,000	3	0	
2004	Water Temperature	Fully Supporting	500 acres in the northeast corner of lake	500	31	2	
2004	Water Temperature	Fully Supporting	5000 acres mid-lake, below Hwy 8	5,000	18	0	
2004	pH	Not Assessed	1600 acres in upper mid-lake	1,600	3	0	
2004	pH	No Concern-Limited Data	1600 acres southwest of dam	1,600	6	0	
2004	pH	Not Assessed	200 acres in the northwestern tip of lake	200	3	2	
2004	pH	Partially Supporting	2300 acres in arm, west of dam	2,300	13	4	
2004	pH	Use Concern	300 acres at International Paper intake	300	24	4	
2004	pH	Not Assessed	400 acres, north dam	400	0		
2004	pH	Not Assessed	400 acres, south dam	400	3	0	
2004	pH	Fully Supporting	4000 acres in upper portion of lake	4,000	30	0	
2004	pH	Not Assessed	4000 acres mid-lake	4,000	3	1	
2004	pH	Not Supporting	500 acres in the northeast corner of lake	500	31	12	
2004	pH	Fully Supporting	5000 acres mid-lake, below Hwy 8	5,000	18	1	
2002	Chloride	Fully Supporting	1600 acres in upper mid-lake	1,600	73		11.1
2002	Chloride	Fully Supporting	1600 acres southwest of dam	1,600	73		11.1
2002	Chloride	Fully Supporting	200 acres in the northwestern tip of lake	200	73		11.1
2002	Chloride	Fully Supporting	2300 acres in arm, west of dam	2,300	73		11.1
2002	Chloride	Fully Supporting	300 acres at International Paper intake	300	73		11.1
2002	Chloride	Fully Supporting	400 acres, north dam	400	73		11.1
2002	Chloride	Fully Supporting	400 acres, south dam	400	73		11.1
2002	Chloride	Fully Supporting	4000 acres in upper portion of lake	4,000	73		11.1
2004	Chloride	Fully Supporting	4000 acres mid-lake	4,000	73		11.1
2002	Chloride	Fully Supporting	500 acres in the northeast corner of lake	500	73		11.1

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Public Water Supply Use (continued)

2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	4000 acres in upper portion of lake	4,000	20		0.133
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	500 acres in the northeast corner of lake	500	10		0.038
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	5000 acres mid-lake, below Hwy 8	5,000	10		0.071
2002	Surface Water: Running average	No Concern-Limited Data	300 acres at International Paper intake	300	4		
2002	Surface Water: Running average	No Concern-Limited Data	400 acres, south dam	400	8		
2002	Surface Water: Running average Metals	No Concern-Limited Data	1600 acres southwest of dam	1,600	7		
2002	Surface Water: Running average Metals	No Concern-Limited Data	4000 acres in upper portion of lake	4,000	6		
2002	Surface Water: Running average Metals	No Concern-Limited Data	500 acres in the northeast corner of lake	500	6		
2002	Surface Water: Running average Metals	No Concern-Limited Data	5000 acres mid-lake, below Hwy 8	5,000	6		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	1600 acres in upper mid-lake	1,600	8		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	1600 acres southwest of dam	1,600	8		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	200 acres in the northwestern tip of lake	200	8		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	2300 acres in arm, west of dam	2,300	10		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	4000 acres in upper portion of lake	4,000	20		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	500 acres in the northeast corner of lake	500	10		

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	Not Assessed	4000 acres mid-lake	4,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	500 acres in the northeast corner of lake	500			
2002	Overall Nutrient Enrichment Concerns	No Concern	5000 acres mid-lake, below Hwy 8	5,000			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	1600 acres in upper mid-lake	1,600	0		
2002	Chlorophyll a	Not Assessed	1600 acres southwest of dam	1,600	8	0	
2002	Chlorophyll a	Not Assessed	200 acres in the northwestern tip of lake	200	0		
2002	Chlorophyll a	Not Assessed	2300 acres in arm, west of dam	2,300	2	1	
2002	Chlorophyll a	Not Assessed	300 acres at International Paper intake	300	4	1	
2002	Chlorophyll a	Not Assessed	400 acres, north dam	400			
2002	Chlorophyll a	Not Assessed	400 acres, south dam	400	0		
2002	Chlorophyll a	No Concern	4000 acres in upper portion of lake	4,000	12	0	
2002	Chlorophyll a	Not Assessed	4000 acres mid-lake	4,000			
2002	Chlorophyll a	Concern	500 acres in the northeast corner of lake	500	10	3	
2002	Chlorophyll a	No Concern	5000 acres mid-lake, below Hwy 8	5,000	10	0	

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	1600 acres southwest of dam	1,600	3		
2002	Metals in sediment	Not Assessed	300 acres at International Paper intake	300	1		
2002	Metals in sediment	Not Assessed	4000 acres in upper portion of lake	4,000	2		
2002	Metals in sediment	Not Assessed	500 acres in the northeast corner of lake	500	2		
2002	Metals in sediment	Not Assessed	5000 acres mid-lake, below Hwy 8	5,000	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	1600 acres in upper mid-lake	1,600			

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Sediment Contaminants Concern (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	1600 acres southwest of dam	1,600			
2002	Overall Sediment Contaminant Concerns	Not Assessed	200 acres in the northwestern tip of lake	200			
2002	Overall Sediment Contaminant Concerns	Not Assessed	2300 acres in arm, west of dam	2,300			
2002	Overall Sediment Contaminant Concerns	Not Assessed	300 acres at International Paper intake	300			
2002	Overall Sediment Contaminant Concerns	Not Assessed	400 acres, north dam	400			
2002	Overall Sediment Contaminant Concerns	Not Assessed	400 acres, south dam	400			
2002	Overall Sediment Contaminant Concerns	Not Assessed	4000 acres in upper portion of lake	4,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	4000 acres mid-lake	4,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	500 acres in the northeast corner of lake	500			
2002	Overall Sediment Contaminant Concerns	Not Assessed	5000 acres mid-lake, below Hwy 8	5,000			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	1600 acres in upper mid-lake	1,600			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	1600 acres southwest of dam	1,600			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	200 acres in the northwestern tip of lake	200			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	2300 acres in arm, west of dam	2,300			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	300 acres at International Paper intake	300			

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Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	400 acres, north dam	400			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	400 acres, south dam	400			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	4000 acres in upper portion of lake	4,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	4000 acres mid-lake	4,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	500 acres in the northeast corner of lake	500			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	5000 acres mid-lake, below Hwy 8	5,000			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	1600 acres in upper mid-lake	1,600			
2002	Finished Water: Chloride	No Concern	1600 acres southwest of dam	1,600			
2002	Finished Water: Chloride	No Concern	200 acres in the northwestern tip of lake	200			
2002	Finished Water: Chloride	No Concern	2300 acres in arm, west of dam	2,300			
2002	Finished Water: Chloride	No Concern	300 acres at International Paper intake	300			
2002	Finished Water: Chloride	No Concern	400 acres, north dam	400			
2002	Finished Water: Chloride	No Concern	400 acres, south dam	400			
2002	Finished Water: Chloride	No Concern	4000 acres in upper portion of lake	4,000			
2002	Finished Water: Chloride	No Concern	4000 acres mid-lake	4,000			
2002	Finished Water: Chloride	No Concern	500 acres in the northeast corner of lake	500			
2002	Finished Water: Chloride	No Concern	5000 acres mid-lake, below Hwy 8	5,000			
2002	Finished Water: Sulfate	No Concern	1600 acres in upper mid-lake	1,600			
2002	Finished Water: Sulfate	No Concern	1600 acres southwest of dam	1,600			
2002	Finished Water: Sulfate	No Concern	200 acres in the northwestern tip of lake	200			

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Public Water Supply Concern (continued)

2002	Surface Water: Sulfate	No Concern	300 acres at International Paper intake	300	73		18
2002	Surface Water: Sulfate	No Concern	400 acres, north dam	400	73		18
2002	Surface Water: Sulfate	No Concern	400 acres, south dam	400	73		18
2002	Surface Water: Sulfate	No Concern	4000 acres in upper portion of lake	4,000	73		18
2002	Surface Water: Sulfate	No Concern	4000 acres mid-lake	4,000	73		18
2002	Surface Water: Sulfate	No Concern	500 acres in the northeast corner of lake	500	73		18
2002	Surface Water: Sulfate	No Concern	5000 acres mid-lake, below Hwy 8	5,000	73		18
2002	Surface Water: Total Dissolved Solids	No Concern	1600 acres in upper mid-lake	1,600	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	1600 acres southwest of dam	1,600	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	200 acres in the northwestern tip of lake	200	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	2300 acres in arm, west of dam	2,300	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	300 acres at International Paper intake	300	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	400 acres, north dam	400	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	400 acres, south dam	400	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	4000 acres in upper portion of lake	4,000	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	4000 acres mid-lake	4,000	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	500 acres in the northeast corner of lake	500	101		142
2002	Surface Water: Total Dissolved Solids	No Concern	5000 acres mid-lake, below Hwy 8	5,000	101		142

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Overall Secondary Concern (continued)

2002		No Concern	1600 acres southwest of dam	1,600			
2002		No Concern	200 acres in the northwestern tip of lake	200			
2002		No Concern	2300 acres in arm, west of dam	2,300			
2002		No Concern	300 acres at International Paper intake	300			
2002		No Concern	400 acres, north dam	400			
2002		No Concern	400 acres, south dam	400			
2002		Concern	4000 acres in upper portion of lake	4,000			
2002		No Concern	4000 acres mid-lake	4,000			
2002		Concern	500 acres in the northeast corner of lake	500			
2002		No Concern	5000 acres mid-lake, below Hwy 8	5,000			