Segment ID: 0824 **Water body name:** Elm Fork Trinity River Above Ray Roberts Lake

Freshwater Stream | Trinity River Basin | Total size: 86 Miles

Aquatic Life Use

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Dissolved Oxygen grab average	No Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	0	
Dissolved Oxygen grab average	No Concern	25 mile reach near FM 3108	25	10	1	
Dissolved Oxygen grab average	Not Assessed	3.5 mile reach near SH 51	3.5	5	2	
Dissolved Oxygen grab average	No Concern	Lower 7.5 miles of segment	7.5	56	1	
Dissolved Oxygen grab minimum	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	0	
Dissolved Oxygen grab minimum	Fully Supporting	25 mile reach near FM 3108	25	10	1	
Dissolved Oxygen grab minimum	No Concern-Limited Data	3.5 mile reach near SH 51	3.5	5	0	
Dissolved Oxygen grab minimum	Fully Supporting	Lower 7.5 miles of segment	7.5	56	0	
Dissolved Oxygen 24hr average	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	0		
Dissolved Oxygen 24hr average	Not Assessed	25 mile reach near FM 3108	25	0		
Dissolved Oxygen 24hr average	Not Assessed	3.5 mile reach near SH 51	3.5	0		
Dissolved Oxygen 24hr average	Not Assessed	Lower 7.5 miles of segment	7.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	0		
Dissolved Oxygen 24hr minimum	Not Assessed	25 mile reach near FM 3108	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	3.5 mile reach near SH 51	3.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Lower 7.5 miles of segment	7.5	0		
Acute Metals in water	Fully Supporting	25 mile reach near FM 3108	25	10	0	
Acute Metals in water	Fully Supporting	Lower 7.5 miles of segment	7.5	10	0	
Chronic Metals in water	Fully Supporting	25 mile reach near FM 3108	25	10		
Chronic Metals in water	Fully Supporting	Lower 7.5 miles of segment	7.5	10		

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Freshwater Stream | Trinity River Basin | Total size: 86 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Overall Aquatic Life Use	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Aquatic Life Use	Fully Supporting	25 mile reach near FM 3108	25			
Overall Aquatic Life Use	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Aquatic Life Use	Fully Supporting	Lower 7.5 miles of segment	7.5			
Overall Aquatic Life Use	Not Assessed	Upper 48 miles of segment	48			
Contact Recreation Use						
E. coli single sample	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	0		
E. coli single sample	Not Assessed	3.5 mile reach near SH 51	3.5	0		
E. coli single sample	Not Assessed	Lower 7.5 miles of segment	7.5	0		
E. coli geometric mean	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	0		
E. coli geometric mean	Not Assessed	3.5 mile reach near SH 51	3.5	0		
E. coli geometric mean	Not Assessed	Lower 7.5 miles of segment	7.5	0		
Fecal coliform single sample	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	10	2	
Fecal coliform single sample	Use Concern-Limited Data	3.5 mile reach near SH 51	3.5	5	3	
Fecal coliform single sample	Not Supporting	Lower 7.5 miles of segment	7.5	27	10	
Fecal coliform geometric mean	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	10		111
Fecal coliform geometric mean	Use Concern-Limited Data	3.5 mile reach near SH 51	3.5	5		865
Fecal coliform geometric mean	Not Supporting	Lower 7.5 miles of segment	7.5	27		268
Overall Recreation Use	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
Overall Recreation Use	Not Assessed	25 mile reach near FM 3108	25			
Overall Recreation Use	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Recreation Use	Not Supporting	Lower 7.5 miles of segment	7.5			
Overall Recreation Use	Not Assessed	Upper 48 miles of segment	48			
General Use						
Water Temperature	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	0	
Water Temperature	Fully Supporting	25 mile reach near FM 3108	25	10	0	
Water Temperature	No Concern-Limited Data	3.5 mile reach near SH 51	3.5	6	0	
Water Temperature	Fully Supporting	Lower 7.5 miles of segment	7.5	56	0	
pH	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	0	
pH	Fully Supporting	25 mile reach near FM 3108	25	10	0	
pH	No Concern-Limited Data	3.5 mile reach near SH 51	3.5	6	0	
pH	Fully Supporting	Lower 7.5 miles of segment	7.5	56	0	
Chloride	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	58		45.2
Chloride	Fully Supporting	25 mile reach near FM 3108	25	58		45.2
Chloride	Fully Supporting	3.5 mile reach near SH 51	3.5	58		45.2
Chloride	Fully Supporting	Lower 7.5 miles of segment	7.5	58		45.2
Chloride	Fully Supporting	Upper 48 miles of segment	48	58		45.2
Sulfate	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	34		49.7
Sulfate	Fully Supporting	25 mile reach near FM 3108	25	34		49.7
Sulfate	Fully Supporting	3.5 mile reach near SH 51	3.5	34		49.7

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Freshwater Stream | Trinity River Basin | Total size: 86 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Sulfate	Fully Supporting	Lower 7.5 miles of segment	7.5	34		49.7
Sulfate	Fully Supporting	Upper 48 miles of segment	48	34		49.7
Total Dissolved Solids	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	83		508.43
Total Dissolved Solids	Fully Supporting	25 mile reach near FM 3108	25	83		508.43
Total Dissolved Solids	Fully Supporting	3.5 mile reach near SH 51	3.5	83		508.43
Total Dissolved Solids	Fully Supporting	Lower 7.5 miles of segment	7.5	83		508.43
Total Dissolved Solids	Fully Supporting	Upper 48 miles of segment	48	83		508.43
Overall General Use	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall General Use	Fully Supporting	25 mile reach near FM 3108	25			
Overall General Use	Fully Supporting	3.5 mile reach near SH 51	3.5			
Overall General Use	Fully Supporting	Lower 7.5 miles of segment	7.5			
Overall General Use	Fully Supporting	Upper 48 miles of segment	48			
Fish Consumption Use						
Human Health Criteria Chromium	Fully Supporting	Lower 7.5 miles of segment	7.5	10		3.8
Human Health Criteria Lead	Fully Supporting	25 mile reach near FM 3108	25	10		1
Human Health Criteria Lead	Fully Supporting	Lower 7.5 miles of segment	7.5	22		1.61
Human Health Criteria Organics	Fully Supporting	Lower 7.5 miles of segment	7.5	23		
Overall Fish Consumption Use	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Fish Consumption Use	Fully Supporting	25 mile reach near FM 3108	25			
Overall Fish Consumption Use	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Fish Consumption Use	Fully Supporting	Lower 7.5 miles of segment	7.5			
Overall Fish Consumption Use	Not Assessed	Upper 48 miles of segment	48			

Segment ID: 0824 **Water body name:** Elm Fork Trinity River Above Ray Roberts Lake

Freshwater Stream | Trinity River Basin | Total size: 86 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support						
	Fully Supporting	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
	Fully Supporting	25 mile reach near FM 3108	25			
	Fully Supporting	3.5 mile reach near SH 51	3.5			
	Not Supporting	Lower 7.5 miles of segment	7.5			
	Fully Supporting	Upper 48 miles of segment	48			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	1	
Ammonia Nitrogen	No Concern	25 mile reach near FM 3108	25	10	2	
Ammonia Nitrogen	Not Assessed	3.5 mile reach near SH 51	3.5	4		
Ammonia Nitrogen	Concern	Lower 7.5 miles of segment	7.5	53	18	
Nitrite + Nitrate Nitrogen	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	7	
Nitrite + Nitrate Nitrogen	No Concern	25 mile reach near FM 3108	25	10	0	
Nitrite + Nitrate Nitrogen	Not Assessed	3.5 mile reach near SH 51	3.5	4		
Nitrite + Nitrate Nitrogen	Concern	Lower 7.5 miles of segment	7.5	53	39	
Orthophosphorus	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	7	
Orthophosphorus	Not Assessed	25 mile reach near FM 3108	25	9		
Orthophosphorus	Not Assessed	3.5 mile reach near SH 51	3.5	4		
Orthophosphorus	Concern	Lower 7.5 miles of segment	7.5	47	32	
Total Phosphorus	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	7	
Total Phosphorus	No Concern	25 mile reach near FM 3108	25	10	0	
Total Phosphorus	Not Assessed	3.5 mile reach near SH 51	3.5	4		

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Total Phosphorus	Concern	Lower 7.5 miles of segment	7.5	34	24	
Overall Nutrient Enrichment Concerns	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Nutrient Enrichment Concerns	No Concern	25 mile reach near FM 3108	25			
Overall Nutrient Enrichment Concerns	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Nutrient Enrichment Concerns	Concern	Lower 7.5 miles of segment	7.5			
Overall Nutrient Enrichment Concerns	Not Assessed	Upper 48 miles of segment	48			
Algal Growth Concern						
Chlorophyll a	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2	11	5	
Chlorophyll a	Not Assessed	25 mile reach near FM 3108	25	7	7	
Chlorophyll a	Not Assessed	3.5 mile reach near SH 51	3.5	4		
Chlorophyll a	Concern	Lower 7.5 miles of segment	7.5	13	6	
Chlorophyll a	Not Assessed	Upper 48 miles of segment	48			
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Sediment Contaminant Concerns	Not Assessed	25 mile reach near FM 3108	25			
Overall Sediment Contaminant Concerns	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Sediment Contaminant Concerns	Not Assessed	Lower 7.5 miles of segment	7.5			
Overall Sediment Contaminant Concerns	Not Assessed	Upper 48 miles of segment	48			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Fish Tissue Contaminant Concerns	Not Assessed	25 mile reach near FM 3108	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	3.5 mile reach near SH 51	3.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 7.5 miles of segment	7.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 48 miles of segment	48			
Narrative Criteria Concern						
Algal Growth	Concern	25 mile reach near FM 3108	25			
Overall Narrative Criteria Concerns	No Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
Overall Narrative Criteria Concerns	Concern	25 mile reach near FM 3108	25			
Overall Narrative Criteria Concerns	No Concern	3.5 mile reach near SH 51	3.5			
Overall Narrative Criteria Concerns	No Concern	Lower 7.5 miles of segment	7.5			
Overall Narrative Criteria Concerns	No Concern	Upper 48 miles of segment	48			
Overall Secondary Concern						
	Concern	2 mile reach near unmarked county road, 1.4 km downstream Gainesville WWTP	2			
	Concern	25 mile reach near FM 3108	25			
	No Concern	3.5 mile reach near SH 51	3.5			
	Concern	Lower 7.5 miles of segment	7.5			
	No Concern	Upper 48 miles of segment	48			