Segment ID: 0507A **Water body name:** Cowleech Fork Sabine River (unclassified water body)

Freshwater Stream | Sabine River Basin | Total size: 30 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Lower 10 miles, downstream of Long Branch confluence	10	15	0	
Dissolved Oxygen grab average	Use Concern	Upper 20 miles, upstream of Long Branch confluence	20	14	3	
Dissolved Oxygen grab minimum	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10	15	0	
Dissolved Oxygen grab minimum	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20	14	1	
Dissolved Oxygen 24hr average	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
Dissolved Oxygen 24hr average	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
Acute Metals in water	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
Acute Metals in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Chronic Metals in water	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
Chronic Metals in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Acute Organics in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		

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Freshwater Stream | Sabine River Basin | Total size: 30 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Chronic Organics in water	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Overall Aquatic Life Use	Fully Supporting	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Aquatic Life Use	Fully Supporting	Upper 20 miles, upstream of Long Branch confluence	20			
Contact Recreation Use						
E. coli single sample	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
E. coli single sample	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
E. coli geometric mean	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
E. coli geometric mean	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
Fecal coliform single sample	Use Concern	Lower 10 miles, downstream of Long Branch confluence	10	15	5	
Fecal coliform single sample	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20	14	6	
Fecal coliform geometric mean	Not Supporting	Lower 10 miles, downstream of Long Branch confluence	10	15		349
Fecal coliform geometric mean	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20	14		664
Overall Recreation Use	Not Supporting	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Recreation Use	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20			

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Freshwater Stream | Sabine River Basin | Total size: 30 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use						
Human Health Criteria Metals	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
Human Health Criteria Metals	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Human Health Criteria Organics	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	1		
Human Health Criteria Organics	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Overall Fish Consumption Use	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Fish Consumption Use	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			
Overall Use Support						
	Not Supporting	Lower 10 miles, downstream of Long Branch confluence	10			
	Not Supporting	Upper 20 miles, upstream of Long Branch confluence	20			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Lower 10 miles, downstream of Long Branch confluence	10	11	1	
Ammonia Nitrogen	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	9	2	
Nitrite + Nitrate Nitrogen	Concern	Lower 10 miles, downstream of Long Branch confluence	10	13	8	
Nitrite + Nitrate Nitrogen	No Concern	Upper 20 miles, upstream of Long Branch confluence	20	12	2	

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Freshwater Stream | Sabine River Basin | Total size: 30 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Orthophosphorus	Concern	Lower 10 miles, downstream of Long Branch confluence	10	12	8	
Orthophosphorus	No Concern	Upper 20 miles, upstream of Long Branch confluence	20	12	0	
Total Phosphorus	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	8	5	
Total Phosphorus	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	6	0	
Overall Nutrient Enrichment Concerns	Concern	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Nutrient Enrichment Concerns	No Concern	Upper 20 miles, upstream of Long Branch confluence	20			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	0		
Chlorophyll a	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	0		
Sediment Contaminants Concern						
Metals in sediment	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10	2		
Metals in sediment	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20	1		
Overall Sediment Contaminant Concerns	Not Assessed	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Sediment Contaminant Concerns	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			

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Freshwater Stream | Sabine River Basin | Total size: 30 Miles

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	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 20 miles, upstream of Long Branch confluence	20			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Lower 10 miles, downstream of Long Branch confluence	10			
Overall Narrative Criteria Concerns	No Concern	Upper 20 miles, upstream of Long Branch confluence	20			
Overall Secondary Concern						
	Concern	Lower 10 miles, downstream of Long Branch confluence	10			
	No Concern	Upper 20 miles, upstream of Long Branch confluence	20			