Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Aquatic Life Use

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Dissolved Oxygen grab average	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	14	1	
Dissolved Oxygen grab average	No Concern	Lower 50 miles	50	30	0	
Dissolved Oxygen grab average	Not Assess-Not Represent	Upper 25 miles	25	8	2	
Dissolved Oxygen grab minimum	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	14	0	
Dissolved Oxygen grab minimum	Fully Supporting	Lower 50 miles	50	30	0	
Dissolved Oxygen grab minimum	Not Assess-Not Represent	Upper 25 miles	25	8	0	
Dissolved Oxygen 24hr average	Not Assessed	25 miles from below US 90A to above FM 3013	25	2	2	
Dissolved Oxygen 24hr average	Not Assessed	Lower 50 miles	50	0		
Dissolved Oxygen 24hr average	Not Assessed	Upper 25 miles	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	25 miles from below US 90A to above FM 3013	25	2	1	
Dissolved Oxygen 24hr minimum	Not Assessed	Lower 50 miles	50	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Upper 25 miles	25	0		
Acute Metals in water	Not Assessed	25 miles from below US 90A to above FM 3013	25	2		
Chronic Metals in water	Not Assessed	25 miles from below US 90A to above FM 3013	25	2		
Macrobenthos Community	Use Concern-Limited Data	25 miles from below US 90A to above FM 3013	25	4	1	27
Fish Community	No Concern-Limited Data	25 miles from below US 90A to above FM 3013	25	4	0	46.5
Fish Community	Use Concern-Limited Data	Upper 25 miles	25	1	1	44
Overall Aquatic Life Use	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Aquatic Life Use	Fully Supporting	Lower 50 miles	50			
Overall Aquatic Life Use	Not Assessed	Middle 7 miles	7			
Overall Aquatic Life Use	Not Assessed	Upper 25 miles	25			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use						
E. coli single sample	Not Assessed	25 miles from below US 90A to above FM 3013	25	0		
E. coli single sample	Not Assessed	Lower 50 miles	50	1	0	
E. coli single sample	Not Assessed	Upper 25 miles	25	0		
E. coli geometric mean	Not Assessed	25 miles from below US 90A to above FM 3013	25	0		
E. coli geometric mean	Not Assessed	Lower 50 miles	50	1		262
E. coli geometric mean	Not Assessed	Upper 25 miles	25	0		
Fecal coliform single sample	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	8	2	
Fecal coliform single sample	Fully Supporting	Lower 50 miles	50	26	5	
Fecal coliform single sample	Not Assess-Not Represent	Upper 25 miles	25	5	0	
Fecal coliform geometric mean	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	8		195.5
Fecal coliform geometric mean	Not Supporting	Lower 50 miles	50	26		253.2
Fecal coliform geometric mean	Not Assess-Not Represent	Upper 25 miles	25	5		146.2
Overall Recreation Use	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Recreation Use	Not Supporting	Lower 50 miles	50			
Overall Recreation Use	Not Assessed	Middle 7 miles	7			
Overall Recreation Use	Not Assessed	Upper 25 miles	25			
General Use						
Water Temperature	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	9	2	
Water Temperature	Fully Supporting	Lower 50 miles	50	34	0	
Water Temperature	Not Assess-Not Represent	Upper 25 miles	25	8	2	
pH	Not Assess-Not Represent	25 miles from below US 90A to above FM 3013	25	9	2	
pH	Fully Supporting	Lower 50 miles	50	30	0	
pH	Not Assess-Not Represent	Upper 25 miles	25	8	0	

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Chloride	Fully Supporting	25 miles from below US 90A to above FM 3013	25	35		44.7
Chloride	Fully Supporting	Lower 50 miles	50	35		44.7
Chloride	Fully Supporting	Middle 7 miles	7	35		44.7
Chloride	Fully Supporting	Upper 25 miles	25	35		44.7
Sulfate	Fully Supporting	25 miles from below US 90A to above FM 3013	25	35		15.1
Sulfate	Fully Supporting	Lower 50 miles	50	35		15.1
Sulfate	Fully Supporting	Middle 7 miles	7	35		15.1
Sulfate	Fully Supporting	Upper 25 miles	25	35		15.1
Total Dissolved Solids	Fully Supporting	25 miles from below US 90A to above FM 3013	25	43		302.01
Total Dissolved Solids	Fully Supporting	Lower 50 miles	50	43		302.01
Total Dissolved Solids	Fully Supporting	Middle 7 miles	7	43		302.01
Total Dissolved Solids	Fully Supporting	Upper 25 miles	25	43		302.01
Overall General Use	Fully Supporting	25 miles from below US 90A to above FM 3013	25			
Overall General Use	Fully Supporting	Lower 50 miles	50			
Overall General Use	Fully Supporting	Middle 7 miles	7			
Overall General Use	Fully Supporting	Upper 25 miles	25			
Fish Consumption Use						
Overall Fish Consumption Use	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Fish Consumption Use	Not Assessed	Lower 50 miles	50			
Overall Fish Consumption Use	Not Assessed	Middle 7 miles	7			
Overall Fish Consumption Use	Not Assessed	Upper 25 miles	25			
Public Water Supply Use						
Finished Water: Running Avg	Fully Supporting	25 miles from below US 90A to above FM 3013	25			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Use (continued)						
Finished Water: Running Avg	Fully Supporting	Lower 50 miles	50			
Finished Water: Running Avg	Fully Supporting	Upper 25 miles	25			
Surface Water: Long-term average Metals	Not Assessed	25 miles from below US 90A to above FM 3013	25	2		
Surface Water: Long-term average Metals	Not Assessed	Upper 25 miles	25	1		
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	25 miles from below US 90A to above FM 3013	25	6		0.36
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 50 miles	50	23		0.45
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper 25 miles	25	5		0.05
Surface Water: Running average Metals	Not Assessed	25 miles from below US 90A to above FM 3013	25	2		
Surface Water: Running average Metals	Not Assessed	Upper 25 miles	25	1		
Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	25 miles from below US 90A to above FM 3013	25	6	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 50 miles	50	23	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper 25 miles	25	5	0	
Overall Public Water Supply Use	Fully Supporting	25 miles from below US 90A to above FM 3013	25			
Overall Public Water Supply Use	Fully Supporting	Lower 50 miles	50			
Overall Public Water Supply Use	Fully Supporting	Middle 7 miles	7			
Overall Public Water Supply Use	Fully Supporting	Upper 25 miles	25			
Overall Use Support						
	Fully Supporting	25 miles from below US 90A to above FM 3013	25			
	Not Supporting	Lower 50 miles	50			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support (continued)						
	Fully Supporting	Middle 7 miles	7			
	Fully Supporting	Upper 25 miles	25			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	25 miles from below US 90A to above FM 3013	25	6	1	
Ammonia Nitrogen	No Concern	Lower 50 miles	50	24	0	
Ammonia Nitrogen	Not Assessed	Upper 25 miles	25	5	0	
Nitrite + Nitrate Nitrogen	Not Assessed	25 miles from below US 90A to above FM 3013	25	6	0	
Nitrite + Nitrate Nitrogen	No Concern	Lower 50 miles	50	23	0	
Nitrite + Nitrate Nitrogen	Not Assessed	Upper 25 miles	25	5	0	
Orthophosphorus	Not Assessed	25 miles from below US 90A to above FM 3013	25	6	0	
Orthophosphorus	No Concern	Lower 50 miles	50	23	0	
Orthophosphorus	Not Assessed	Upper 25 miles	25	5	0	
Total Phosphorus	Not Assessed	25 miles from below US 90A to above FM 3013	25	6	0	
Total Phosphorus	No Concern	Lower 50 miles	50	24	0	
Total Phosphorus	Not Assessed	Upper 25 miles	25	5	0	
Overall Nutrient Enrichment Concerns	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Nutrient Enrichment Concerns	No Concern	Lower 50 miles	50			
Overall Nutrient Enrichment Concerns	Not Assessed	Middle 7 miles	7			
Overall Nutrient Enrichment Concerns	Not Assessed	Upper 25 miles	25			
Algal Growth Concern						
Chlorophyll a	Not Assessed	25 miles from below US 90A to above FM 3013	25	6	1	
Chlorophyll a	No Concern	Lower 50 miles	50	24	1	
Chlorophyll a	Not Assessed	Middle 7 miles	7			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth Concern (continued)						
Chlorophyll a	Not Assessed	Upper 25 miles	25	5	1	
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Sediment Contaminant Concerns	Not Assessed	Lower 50 miles	50			
Overall Sediment Contaminant Concerns	Not Assessed	Middle 7 miles	7			
Overall Sediment Contaminant Concerns	Not Assessed	Upper 25 miles	25			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 50 miles	50			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle 7 miles	7			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 25 miles	25			
Public Water Supply Concern						
Finished Water: Chloride	No Concern	25 miles from below US 90A to above FM 3013	25			
Finished Water: Chloride	No Concern	Lower 50 miles	50			
Finished Water: Chloride	No Concern	Middle 7 miles	7			
Finished Water: Chloride	No Concern	Upper 25 miles	25			
Finished Water: Sulfate	No Concern	25 miles from below US 90A to above FM 3013	25			
Finished Water: Sulfate	No Concern	Lower 50 miles	50			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Finished Water: Sulfate	No Concern	Middle 7 miles	7			
Finished Water: Sulfate	No Concern	Upper 25 miles	25			
Finished Water: Total Dissolved Solids	No Concern	25 miles from below US 90A to above FM 3013	25			
Finished Water: Total Dissolved Solids	No Concern	Lower 50 miles	50			
Finished Water: Total Dissolved Solids	No Concern	Middle 7 miles	7			
Finished Water: Total Dissolved Solids	No Concern	Upper 25 miles	25			
Finished Water: MTBE	No Concern	25 miles from below US 90A to above FM 3013	25			
Finished Water: MTBE	No Concern	Lower 50 miles	50			
Finished Water: MTBE	No Concern	Middle 7 miles	7			
Finished Water: MTBE	No Concern	Upper 25 miles	25			
Finished Water: Perchlorate	Not Assessed	25 miles from below US 90A to above FM 3013	25			
Finished Water: Perchlorate	Not Assessed	Lower 50 miles	50			
Finished Water: Perchlorate	Not Assessed	Middle 7 miles	7			
Finished Water: Perchlorate	Not Assessed	Upper 25 miles	25			
Finished Water: Overall	No Concern	25 miles from below US 90A to above FM 3013	25			
Finished Water: Overall	No Concern	Lower 50 miles	50			
Finished Water: Overall	No Concern	Middle 7 miles	7			
Finished Water: Overall	No Concern	Upper 25 miles	25			
Surface Water: Chloride	No Concern	25 miles from below US 90A to above FM 3013	25	35		44.7
Surface Water: Chloride	No Concern	Lower 50 miles	50	35		44.7
Surface Water: Chloride	No Concern	Middle 7 miles	7	35		44.7
Surface Water: Chloride	No Concern	Upper 25 miles	25	35		44.7
Surface Water: Sulfate	No Concern	25 miles from below US 90A to above FM 3013	25	35		15.1

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Surface Water: Sulfate	No Concern	Lower 50 miles	50	35		15.1
Surface Water: Sulfate	No Concern	Middle 7 miles	7	35		15.1
Surface Water: Sulfate	No Concern	Upper 25 miles	25	35		15.1
Surface Water: Total Dissolved Solids	No Concern	25 miles from below US 90A to above FM 3013	25	35		280
Surface Water: Total Dissolved Solids	No Concern	Lower 50 miles	50	35		280
Surface Water: Total Dissolved Solids	No Concern	Middle 7 miles	7	35		280
Surface Water: Total Dissolved Solids	No Concern	Upper 25 miles	25	35		280
Surface Water: Overall	No Concern	25 miles from below US 90A to above FM 3013	25			
Surface Water: Overall	No Concern	Lower 50 miles	50			
Surface Water: Overall	No Concern	Middle 7 miles	7			
Surface Water: Overall	No Concern	Upper 25 miles	25			
Overall Public Water Supply Concerns	No Concern	25 miles from below US 90A to above FM 3013	25			
Overall Public Water Supply Concerns	No Concern	Lower 50 miles	50			
Overall Public Water Supply Concerns	No Concern	Middle 7 miles	7			
Overall Public Water Supply Concerns	No Concern	Upper 25 miles	25			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	25 miles from below US 90A to above FM 3013	25			
Overall Narrative Criteria Concerns	No Concern	Lower 50 miles	50			
Overall Narrative Criteria Concerns	No Concern	Middle 7 miles	7			
Overall Narrative Criteria Concerns	No Concern	Upper 25 miles	25			
Overall Secondary Concern						
	No Concern	25 miles from below US 90A to above FM 3013	25			
	No Concern	Lower 50 miles	50			

Segment ID: 1302 **Water body name:** San Bernard River Above Tidal

Freshwater Stream | Brazos-Colorado Coastal Basin | Total size: 107 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Secondary Concern (continued)						
	No Concern	Middle 7 miles	7			
	No Concern	Upper 25 miles	25			