Segment ID: 0303 **Water body name:** Sulphur/South Sulphur River

Freshwater Stream Sulphur River Basin Total size: 181 Miles

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	Lower 25 miles	25	20	3	
2002	Dissolved Oxygen grab average	No Concern	Middle 25 miles	25	13	1	
2002	Dissolved Oxygen grab average	No Concern	Upper 25 miles	25	35		
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles	25	20	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle 25 miles	25	13	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upper 25 miles	25	35	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles	25	3	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle 25 miles	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper 25 miles	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles	25	3	0	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle 25 miles	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper 25 miles	25	0		
2002	Acute Metals in water	Fully Supporting	Lower 25 miles	25	14	0	
2002	Acute Metals in water	No Concern-Limited Data	Middle 25 miles	25	6	0	
2002	Acute Metals in water	Fully Supporting	Upper 25 miles	25	24	0	
2002	Chronic Metals in water	Fully Supporting	Lower 25 miles	25	14		
2002	Chronic Metals in water	No Concern-Limited Data	Middle 25 miles	25	6		
2002	Chronic Metals in water	Fully Supporting	Upper 25 miles	25	24		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Upper 25 miles	25	4	0	
2002	Overall Aquatic Life Use	Fully Supporting	Lower 25 miles	25			
2002	Overall Aquatic Life Use	Fully Supporting	Middle 25 miles	25			

Segment ID: 0303 **Water body name:** Sulphur/South Sulphur River

Freshwater Stream Sulphur River Basin Total size: 181 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)							
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	106			
2002	Overall Aquatic Life Use	Fully Supporting	Upper 25 miles	25			
Contact Recreation Use							
2002	E. coli single sample	Not Assessed	Lower 25 miles	25	0		
2002	E. coli single sample	Not Assessed	Upper 25 miles	25	1	0	
2002	E. coli geometric mean	Not Assessed	Lower 25 miles	25	0		
2002	E. coli geometric mean	Not Assessed	Upper 25 miles	25	1		3
2002	Fecal coliform single sample	Fully Supporting	Lower 25 miles	25	16	1	
2002	Fecal coliform single sample	Fully Supporting	Upper 25 miles	25	12	3	
2002	Fecal coliform geometric mean	Fully Supporting	Lower 25 miles	25	16		76
2002	Fecal coliform geometric mean	Fully Supporting	Upper 25 miles	25	12		128
2002	Overall Recreation Use	Fully Supporting	Lower 25 miles	25			
2002	Overall Recreation Use	Not Assessed	Middle 25 miles	25			
2002	Overall Recreation Use	Not Assessed	Remainder of segment	106			
2002	Overall Recreation Use	Fully Supporting	Upper 25 miles	25			
General Use							
2002	Water Temperature	Fully Supporting	Lower 25 miles	25	20	0	
2002	Water Temperature	Fully Supporting	Middle 25 miles	25	14	0	
2002	Water Temperature	Fully Supporting	Upper 25 miles	25	39	1	
2002	pH	Fully Supporting	Lower 25 miles	25	20	0	
2002	pH	Fully Supporting	Middle 25 miles	25	14	1	
2002	pH	Fully Supporting	Upper 25 miles	25	35	0	

Segment ID: 0303 **Water body name:** Sulphur/South Sulphur River

Freshwater Stream Sulphur River Basin Total size: 181 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)							
2002	Chloride	Fully Supporting	Lower 25 miles	25	68		19.6
2002	Chloride	Fully Supporting	Middle 25 miles	25	68		19.6
2002	Chloride	Fully Supporting	Remainder of segment	106	68		19.6
2002	Chloride	Fully Supporting	Upper 25 miles	25	68		19.6
2002	Sulfate	Fully Supporting	Lower 25 miles	25	68		35.1
2002	Sulfate	Fully Supporting	Middle 25 miles	25	68		35.1
2002	Sulfate	Fully Supporting	Remainder of segment	106	68		35.1
2002	Sulfate	Fully Supporting	Upper 25 miles	25	68		35.1
2002	Total Dissolved Solids	Fully Supporting	Lower 25 miles	25	77		246.4
2002	Total Dissolved Solids	Fully Supporting	Middle 25 miles	25	77		246.4
2002	Total Dissolved Solids	Fully Supporting	Remainder of segment	106	77		246.4
2002	Total Dissolved Solids	Fully Supporting	Upper 25 miles	25	77		246.4
2002	Overall General Use	Fully Supporting	Lower 25 miles	25			
2002	Overall General Use	Fully Supporting	Middle 25 miles	25			
2002	Overall General Use	Fully Supporting	Remainder of segment	106			
2002	Overall General Use	Fully Supporting	Upper 25 miles	25			
Fish Consumption Use							
2002	Human Health Criteria	Fully Supporting	Lower 25 miles	25	14		
2002	Human Health Criteria	No Concern-Limited Data	Middle 25 miles	25	6		
2002	Human Health Criteria	Fully Supporting	Upper 25 miles	25	24		
2002	Overall Fish Consumption Use	Fully Supporting	Lower 25 miles	25			
2002	Overall Fish Consumption Use	Not Assessed	Middle 25 miles	25			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	106			

Segment ID: 0303 **Water body name:** Sulphur/South Sulphur River

Freshwater Stream Sulphur River Basin Total size: 181 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)							
2002	Overall Fish Consumption Use	Fully Supporting	Upper 25 miles	25			
Overall Use Support							
2002		Fully Supporting	Lower 25 miles	25			
2002		Fully Supporting	Middle 25 miles	25			
2002		Fully Supporting	Remainder of segment	106			
2002		Fully Supporting	Upper 25 miles	25			
Nutrient Enrichment Concern							
2002	Ammonia Nitrogen	No Concern	Lower 25 miles	25	20	0	
2002	Ammonia Nitrogen	No Concern	Middle 25 miles	25	14	1	
2002	Ammonia Nitrogen	No Concern	Upper 25 miles	25	34	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles	25	20	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle 25 miles	25	14	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upper 25 miles	25	34	0	
2002	Orthophosphorus	No Concern	Lower 25 miles	25	20	0	
2002	Orthophosphorus	No Concern	Middle 25 miles	25	14	0	
2002	Orthophosphorus	No Concern	Upper 25 miles	25	34	0	
2002	Total Phosphorus	No Concern	Lower 25 miles	25	20	0	
2002	Total Phosphorus	Not Assessed	Middle 25 miles	25	0		
2002	Total Phosphorus	No Concern	Upper 25 miles	25	13	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles	25			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle 25 miles	25			

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Freshwater Stream Sulphur River Basin Total size: 181 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)							
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	106			
2002	Overall Nutrient Enrichment Concerns	No Concern	Upper 25 miles	25			
Algal Growth Concern							
2002	Chlorophyll a	No Concern	Lower 25 miles	25	20	1	
2002	Chlorophyll a	Not Assessed	Middle 25 miles	25	0		
2002	Chlorophyll a	Not Assessed	Remainder of segment	106			
2002	Chlorophyll a	No Concern	Upper 25 miles	25	13	0	
Sediment Contaminants Concern							
2002	Metals in sediment	Not Assessed	Lower 25 miles	25	4		
2002	Metals in sediment	Not Assessed	Upper 25 miles	25	3		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle 25 miles	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	106			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 25 miles	25			
Fish Tissue Contaminants Concern							
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle 25 miles	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	106			

Segment ID: 0303 **Water body name:** Sulphur/South Sulphur River

Freshwater Stream Sulphur River Basin Total size: 181 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean

Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 25 miles	25			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Lower 25 miles	25			
2002	Overall Narrative Criteria Concerns	No Concern	Middle 25 miles	25			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	106			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 25 miles	25			

Overall Secondary Concern

2002		No Concern	Lower 25 miles	25			
2002		No Concern	Middle 25 miles	25			
2002		No Concern	Remainder of segment	106			
2002		No Concern	Upper 25 miles	25			