

**Segment ID: 1002**      **Water body name: Lake Houston**

Reservoir		San Jacinto River Basin		Total size:	12,240	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
<b>Aquatic Life Use</b>							
2002	Dissolved Oxygen grab average	No Concern	East Fork San Jacinto River arm	2,720	208	15	
2002	Dissolved Oxygen grab average	Use Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	73	11	
2002	Dissolved Oxygen grab average	No Concern	Missouri-Pacific RR to dam	4,300	231	8	
2002	Dissolved Oxygen grab average	No Concern	West Fork San Jacinto River arm	2,720	466	24	
2002	Dissolved Oxygen grab minimum	Fully Supporting	East Fork San Jacinto River arm	2,720	208	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	73	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Missouri-Pacific RR to dam	4,300	231	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	West Fork San Jacinto River arm	2,720	466	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	East Fork San Jacinto River arm	2,720	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Missouri-Pacific RR to dam	4,300	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	West Fork San Jacinto River arm	2,720	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	East Fork San Jacinto River arm	2,720	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Missouri-Pacific RR to dam	4,300	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	West Fork San Jacinto River arm	2,720	0		
2002	Acute Metals in water	Not Assessed	East Fork San Jacinto River arm	2,720	3	0	
2002	Acute Metals in water	Fully Supporting	Missouri-Pacific RR to dam	4,300	18	0	
2002	Acute Metals in water	Fully Supporting	West Fork San Jacinto River arm	2,720	14	0	
2002	Chronic Metals in water	Not Assessed	East Fork San Jacinto River arm	2,720	3		
2002	Chronic Metals in water	Fully Supporting	Missouri-Pacific RR to dam	4,300	18		
2002	Chronic Metals in water	Fully Supporting	West Fork San Jacinto River arm	2,720	14		
2002	Acute Organics in water	Not Assessed	Missouri-Pacific RR to dam	4,300	2	0	

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## Aquatic Life Use (continued)

2002	Chronic Organics in water	Not Assessed	Missouri-Pacific RR to dam	4,300	2		
2002	Overall Aquatic Life Use	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Overall Aquatic Life Use	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Aquatic Life Use	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Overall Aquatic Life Use	Fully Supporting	West Fork San Jacinto River arm	2,720			

## Contact Recreation Use

2002	E. coli single sample	Not Assess-Not Represent	East Fork San Jacinto River arm	2,720	21	1	
2002	E. coli single sample	Not Assess-Not Represent	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	7	1	
2002	E. coli single sample	Not Assess-Not Represent	Missouri-Pacific RR to dam	4,300	12	1	
2002	E. coli single sample	Not Assess-Not Represent	West Fork San Jacinto River arm	2,720	49	11	
2002	E. coli geometric mean	Not Assess-Not Represent	East Fork San Jacinto River arm	2,720	21		39
2002	E. coli geometric mean	Not Assess-Not Represent	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	7		27
2002	E. coli geometric mean	Not Assess-Not Represent	Missouri-Pacific RR to dam	4,300	12		23.4
2002	E. coli geometric mean	Not Assess-Not Represent	West Fork San Jacinto River arm	2,720	49		61.2
2002	Fecal coliform single sample	Fully Supporting	East Fork San Jacinto River arm	2,720	144	9	
2002	Fecal coliform single sample	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	37	1	
2002	Fecal coliform single sample	Fully Supporting	Missouri-Pacific RR to dam	4,300	190	49	
2002	Fecal coliform single sample	Fully Supporting	West Fork San Jacinto River arm	2,720	396	72	

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**Contact Recreation Use** (continued)

2002	Fecal coliform geometric mean	Fully Supporting	East Fork San Jacinto River arm	2,720	144		38
2002	Fecal coliform geometric mean	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	37		10.39
2002	Fecal coliform geometric mean	Fully Supporting	Missouri-Pacific RR to dam	4,300	190		55.3
2002	Fecal coliform geometric mean	Fully Supporting	West Fork San Jacinto River arm	2,720	396		70.2
2002	Overall Recreation Use	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Overall Recreation Use	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Recreation Use	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Overall Recreation Use	Fully Supporting	West Fork San Jacinto River arm	2,720			

**General Use**

2002	Water Temperature	Fully Supporting	East Fork San Jacinto River arm	2,720	179	4	
2002	Water Temperature	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	74	0	
2002	Water Temperature	Fully Supporting	Missouri-Pacific RR to dam	4,300	238	1	
2002	Water Temperature	Fully Supporting	West Fork San Jacinto River arm	2,720	475	9	
2002	pH	Fully Supporting	East Fork San Jacinto River arm	2,720	61	0	
2002	pH	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	37	0	
2002	pH	Fully Supporting	Missouri-Pacific RR to dam	4,300	68	0	
2002	pH	Fully Supporting	West Fork San Jacinto River arm	2,720	120	8	
2002	Chloride	Fully Supporting	East Fork San Jacinto River arm	2,720	260		43.5
2002	Chloride	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	260		43.5
2002	Chloride	Fully Supporting	Missouri-Pacific RR to dam	4,300	260		43.5
2002	Chloride	Fully Supporting	West Fork San Jacinto River arm	2,720	260		43.5
2002	Sulfate	Fully Supporting	East Fork San Jacinto River arm	2,720	955		12.5
2002	Sulfate	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	955		12.5

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Reservoir San Jacinto River Basin Total size: 12,240 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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## General Use (continued)

2002	Sulfate	Fully Supporting	Missouri-Pacific RR to dam	4,300	955		12.5
2002	Sulfate	Fully Supporting	West Fork San Jacinto River arm	2,720	955		12.5
2002	Total Dissolved Solids	Fully Supporting	East Fork San Jacinto River arm	2,720	846		233.9
2002	Total Dissolved Solids	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	846		233.9
2002	Total Dissolved Solids	Fully Supporting	Missouri-Pacific RR to dam	4,300	846		233.9
2002	Total Dissolved Solids	Fully Supporting	West Fork San Jacinto River arm	2,720	846		233.9
2002	Overall General Use	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Overall General Use	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall General Use	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Overall General Use	Fully Supporting	West Fork San Jacinto River arm	2,720			

## Fish Consumption Use

2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	West Fork San Jacinto River arm	2,720			
2002	Human Health Criteria Metals	Fully Supporting	Missouri-Pacific RR to dam	4,300	18	0	
2002	Human Health Criteria Metals	Fully Supporting	West Fork San Jacinto River arm	2,720	14		
2002	Human Health Criteria Organics	No Concern-Limited Data	Missouri-Pacific RR to dam	4,300	8		
2002	Human Health Criteria Organics	No Concern-Limited Data	West Fork San Jacinto River arm	2,720	6		

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Reservoir San Jacinto River Basin Total size: 12,240 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Fish Consumption Use** (continued)

2002	Overall Fish Consumption Use	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Overall Fish Consumption Use	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Fish Consumption Use	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Overall Fish Consumption Use	Fully Supporting	West Fork San Jacinto River arm	2,720			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Running Avg	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Running Avg	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Running Avg	Fully Supporting	West Fork San Jacinto River arm	2,720			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	East Fork San Jacinto River arm	2,720	62		0.219
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	26		0.263
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Missouri-Pacific RR to dam	4,300	53		0.634
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	West Fork San Jacinto River arm	2,720	116		1.52
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	East Fork San Jacinto River arm	2,720	62		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	26		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Missouri-Pacific RR to dam	4,300	53		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	West Fork San Jacinto River arm	2,720	116		
2002	Overall Public Water Supply Use	Fully Supporting	East Fork San Jacinto River arm	2,720			

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**Public Water Supply Use** (continued)

2002	Overall Public Water Supply Use	Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Public Water Supply Use	Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002	Overall Public Water Supply Use	Fully Supporting	West Fork San Jacinto River arm	2,720			

**Overall Use Support**

2002		Fully Supporting	East Fork San Jacinto River arm	2,720			
2002		Fully Supporting	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002		Fully Supporting	Missouri-Pacific RR to dam	4,300			
2002		Fully Supporting	West Fork San Jacinto River arm	2,720			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	East Fork San Jacinto River arm	2,720	135	8	
2002	Ammonia Nitrogen	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	25	0	
2002	Ammonia Nitrogen	No Concern	Missouri-Pacific RR to dam	4,300	159	4	
2002	Ammonia Nitrogen	No Concern	West Fork San Jacinto River arm	2,720	341	78	
2002	Nitrite + Nitrate Nitrogen	No Concern	East Fork San Jacinto River arm	2,720	62	15	
2002	Nitrite + Nitrate Nitrogen	Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	26	8	
2002	Nitrite + Nitrate Nitrogen	Concern	Missouri-Pacific RR to dam	4,300	53	20	
2002	Nitrite + Nitrate Nitrogen	Concern	West Fork San Jacinto River arm	2,720	116	75	
2002	Orthophosphorus	Concern	East Fork San Jacinto River arm	2,720	62	16	
2002	Orthophosphorus	Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	26	13	
2002	Orthophosphorus	Concern	Missouri-Pacific RR to dam	4,300	53	34	
2002	Orthophosphorus	Concern	West Fork San Jacinto River arm	2,720	116	84	
2002	Total Phosphorus	Concern	East Fork San Jacinto River arm	2,720	61	43	
2002	Total Phosphorus	Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	14	11	

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**Nutrient Enrichment Concern** (continued)

2002	Total Phosphorus	Concern	Missouri-Pacific RR to dam	4,300	53	32	
2002	Total Phosphorus	Concern	West Fork San Jacinto River arm	2,720	114	108	
2002	Overall Nutrient Enrichment Concerns	Concern	East Fork San Jacinto River arm	2,720			
2002	Overall Nutrient Enrichment Concerns	Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Nutrient Enrichment Concerns	Concern	Missouri-Pacific RR to dam	4,300			
2002	Overall Nutrient Enrichment Concerns	Concern	West Fork San Jacinto River arm	2,720			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	East Fork San Jacinto River arm	2,720	0		
2002	Chlorophyll a	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	2	2	
2002	Chlorophyll a	No Concern	Missouri-Pacific RR to dam	4,300	16	0	
2002	Chlorophyll a	No Concern	West Fork San Jacinto River arm	2,720	18	3	

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	East Fork San Jacinto River arm	2,720			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Missouri-Pacific RR to dam	4,300			
2002	Overall Sediment Contaminant Concerns	Not Assessed	West Fork San Jacinto River arm	2,720			

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**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	East Fork San Jacinto River arm	2,720			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Missouri-Pacific RR to dam	4,300			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	West Fork San Jacinto River arm	2,720			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Chloride	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Chloride	No Concern	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Chloride	No Concern	West Fork San Jacinto River arm	2,720			
2002	Finished Water: Sulfate	No Concern	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Sulfate	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Sulfate	No Concern	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Sulfate	No Concern	West Fork San Jacinto River arm	2,720			
2002	Finished Water: Total Dissolved Solids	No Concern	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Total Dissolved Solids	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Total Dissolved Solids	No Concern	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Total Dissolved Solids	No Concern	West Fork San Jacinto River arm	2,720			
2002	Finished Water: MTBE	No Concern	East Fork San Jacinto River arm	2,720			



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<b>Public Water Supply Concern</b> (continued)							
2002	Finished Water: MTBE	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: MTBE	No Concern	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: MTBE	No Concern	West Fork San Jacinto River arm	2,720			
2002	Finished Water: Perchlorate	Not Assessed	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Perchlorate	Not Assessed	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Perchlorate	Not Assessed	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Perchlorate	Not Assessed	West Fork San Jacinto River arm	2,720			
2002	Finished Water: Overall	No Concern	East Fork San Jacinto River arm	2,720			
2002	Finished Water: Overall	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500			
2002	Finished Water: Overall	No Concern	Missouri-Pacific RR to dam	4,300			
2002	Finished Water: Overall	No Concern	West Fork San Jacinto River arm	2,720			
2002	Surface Water: Chloride	No Concern	East Fork San Jacinto River arm	2,720	260		43.5
2002	Surface Water: Chloride	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	260		43.5
2002	Surface Water: Chloride	No Concern	Missouri-Pacific RR to dam	4,300	260		43.5
2002	Surface Water: Chloride	No Concern	West Fork San Jacinto River arm	2,720	260		43.5
2002	Surface Water: Sulfate	No Concern	East Fork San Jacinto River arm	2,720	955		12.5
2002	Surface Water: Sulfate	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	955		12.5
2002	Surface Water: Sulfate	No Concern	Missouri-Pacific RR to dam	4,300	955		12.5
2002	Surface Water: Sulfate	No Concern	West Fork San Jacinto River arm	2,720	955		12.5
2002	Surface Water: Total Dissolved Solids	No Concern	East Fork San Jacinto River arm	2,720	846		233.9
2002	Surface Water: Total Dissolved Solids	No Concern	Mid-lake FM 1960 to Missouri-Pacific RR	2,500	846		233.9
2002	Surface Water: Total Dissolved Solids	No Concern	Missouri-Pacific RR to dam	4,300	846		233.9



