Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	Use Concern	Field Store Road to SH 249	23	10	6	
Dissolved Oxygen grab average	No Concern	IH 45 to confluence with Lake Houston	17	91	2	
Dissolved Oxygen grab average	Use Concern	SH 249 to IH 45	23	23	3	
Dissolved Oxygen grab minimum	Use Concern	Field Store Road to SH 249	23	10	2	
Dissolved Oxygen grab minimum	Fully Supporting	IH 45 to confluence with Lake Houston	17	91	0	
Dissolved Oxygen grab minimum	Fully Supporting	SH 249 to IH 45	23	23	0	
Dissolved Oxygen 24hr average	Not Assessed	Field Store Road to SH 249	23	0		
Dissolved Oxygen 24hr average	Not Assessed	IH 45 to confluence with Lake Houston	17	0		
Dissolved Oxygen 24hr average	Not Assessed	SH 249 to IH 45	23	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Field Store Road to SH 249	23	0		
Dissolved Oxygen 24hr minimum	Not Assessed	IH 45 to confluence with Lake Houston	17	0		
Dissolved Oxygen 24hr minimum	Not Assessed	SH 249 to IH 45	23	0		
Overall Aquatic Life Use	Not Assessed	FM 1736 to Field Store Road	6			
Overall Aquatic Life Use	Fully Supporting	Field Store Road to SH 249	23			
Overall Aquatic Life Use	Fully Supporting	IH 45 to confluence with Lake Houston	17			
Overall Aquatic Life Use	Fully Supporting	SH 249 to IH 45	23			
Contact Recreation Use						
E. coli single sample	Not Assess-Not Represent	Field Store Road to SH 249	23	6	3	
E. coli single sample	Not Assessed	IH 45 to confluence with Lake Houston	17	0		
E. coli single sample	Not Assessed	SH 249 to IH 45	23	6	3	
E. coli geometric mean	Not Assess-Not Represent	Field Store Road to SH 249	23	6		296
E. coli geometric mean	Not Assessed	IH 45 to confluence with Lake Houston	17	0		
E. coli geometric mean	Not Assessed	SH 249 to IH 45	23	6		88

Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
Fecal coliform single sample	Not Assessed	Field Store Road to SH 249	23	1	1	
Fecal coliform single sample	Not Supporting	IH 45 to confluence with Lake Houston	17	102	35	
Fecal coliform single sample	Not Assessed	SH 249 to IH 45	23	1	0	
Fecal coliform geometric mean	Not Assessed	Field Store Road to SH 249	23	1		1,400
Fecal coliform geometric mean	Not Supporting	IH 45 to confluence with Lake Houston	17	102		286
Fecal coliform geometric mean	Not Assessed	SH 249 to IH 45	23	1		190
Overall Recreation Use	Not Assessed	FM 1736 to Field Store Road	6			
Overall Recreation Use	Not Assessed	Field Store Road to SH 249	23			
Overall Recreation Use	Not Supporting	IH 45 to confluence with Lake Houston	17			
Overall Recreation Use	Not Assessed	SH 249 to IH 45	23			
General Use						
Water Temperature	Fully Supporting	Field Store Road to SH 249	23	12	0	
Water Temperature	Fully Supporting	IH 45 to confluence with Lake Houston	17	90	0	
Water Temperature	Fully Supporting	SH 249 to IH 45	23	27	0	
pH	Fully Supporting	Field Store Road to SH 249	23	12	0	
pH	Fully Supporting	IH 45 to confluence with Lake Houston	17	32	0	
pH	Fully Supporting	SH 249 to IH 45	23	23	0	
Chloride	Fully Supporting	FM 1736 to Field Store Road	6	53		50
Chloride	Fully Supporting	Field Store Road to SH 249	23	53		50
Chloride	Fully Supporting	IH 45 to confluence with Lake Houston	17	53		50
Chloride	Fully Supporting	SH 249 to IH 45	23	53		50
Sulfate	Fully Supporting	FM 1736 to Field Store Road	6	126		16.8
Sulfate	Fully Supporting	Field Store Road to SH 249	23	126		16.8

Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Sulfate	Fully Supporting	IH 45 to confluence with Lake Houston	17	126		16.8
Sulfate	Fully Supporting	SH 249 to IH 45	23	126		16.8
Total Dissolved Solids	Fully Supporting	FM 1736 to Field Store Road	6	119		328.6
Total Dissolved Solids	Fully Supporting	Field Store Road to SH 249	23	119		328.6
Total Dissolved Solids	Fully Supporting	IH 45 to confluence with Lake Houston	17	119		328.6
Total Dissolved Solids	Fully Supporting	SH 249 to IH 45	23	119		328.6
Overall General Use	Fully Supporting	FM 1736 to Field Store Road	6			
Overall General Use	Fully Supporting	Field Store Road to SH 249	23			
Overall General Use	Fully Supporting	IH 45 to confluence with Lake Houston	17			
Overall General Use	Fully Supporting	SH 249 to IH 45	23			
Fish Consumption Use						
Overall Fish Consumption Use	Not Assessed	FM 1736 to Field Store Road	6			
Overall Fish Consumption Use	Not Assessed	Field Store Road to SH 249	23			
Overall Fish Consumption Use	Not Assessed	IH 45 to confluence with Lake Houston	17			
Overall Fish Consumption Use	Not Assessed	SH 249 to IH 45	23			
Public Water Supply Use						
Finished Water: Running Avg	Fully Supporting	Field Store Road to SH 249	23			
Finished Water: Running Avg	Fully Supporting	IH 45 to confluence with Lake Houston	17			
Finished Water: Running Avg	Fully Supporting	SH 249 to IH 45	23			
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Field Store Road to SH 249	23	11		0.749
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	IH 45 to confluence with Lake Houston	17	17		2.4

Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Use (continued)						
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	SH 249 to IH 45	23	25		3.751
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Field Store Road to SH 249	23	11	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	IH 45 to confluence with Lake Houston	17	17	0	
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	SH 249 to IH 45	23	25	0	
Overall Public Water Supply Use	Fully Supporting	FM 1736 to Field Store Road	6			
Overall Public Water Supply Use	Fully Supporting	Field Store Road to SH 249	23			
Overall Public Water Supply Use	Fully Supporting	IH 45 to confluence with Lake Houston	17			
Overall Public Water Supply Use	Fully Supporting	SH 249 to IH 45	23			
Overall Use Support						
	Fully Supporting	FM 1736 to Field Store Road	6			
	Fully Supporting	Field Store Road to SH 249	23			
	Not Supporting	IH 45 to confluence with Lake Houston	17			
	Fully Supporting	SH 249 to IH 45	23			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	Field Store Road to SH 249	23	2	1	
Ammonia Nitrogen	No Concern	IH 45 to confluence with Lake Houston	17	78	12	
Ammonia Nitrogen	No Concern	SH 249 to IH 45	23	13	1	
Nitrite + Nitrate Nitrogen	No Concern	Field Store Road to SH 249	23	11	1	
Nitrite + Nitrate Nitrogen	Concern	IH 45 to confluence with Lake Houston	17	17	5	
Nitrite + Nitrate Nitrogen	Concern	SH 249 to IH 45	23	25	15	

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Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Orthophosphorus	No Concern	Field Store Road to SH 249	23	11	1	
Orthophosphorus	Concern	IH 45 to confluence with Lake Houston	17	18	7	
Orthophosphorus	Concern	SH 249 to IH 45	23	25	15	
Total Phosphorus	No Concern	Field Store Road to SH 249	23	11	1	
Total Phosphorus	Concern	IH 45 to confluence with Lake Houston	17	18	5	
Total Phosphorus	Concern	SH 249 to IH 45	23	25	15	
Overall Nutrient Enrichment Concerns	Not Assessed	FM 1736 to Field Store Road	6			
Overall Nutrient Enrichment Concerns	No Concern	Field Store Road to SH 249	23			
Overall Nutrient Enrichment Concerns	Concern	IH 45 to confluence with Lake Houston	17			
Overall Nutrient Enrichment Concerns	Concern	SH 249 to IH 45	23			
Algal Growth Concern						
Chlorophyll a	Not Assessed	FM 1736 to Field Store Road	6			
Chlorophyll a	Not Assessed	Field Store Road to SH 249	23	2	2	
Chlorophyll a	No Concern	IH 45 to confluence with Lake Houston	17	16		
Chlorophyll a	Not Assessed	SH 249 to IH 45	23	0		
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	FM 1736 to Field Store Road	6			
Overall Sediment Contaminant Concerns	Not Assessed	Field Store Road to SH 249	23			
Overall Sediment Contaminant Concerns	Not Assessed	IH 45 to confluence with Lake Houston	17			
Overall Sediment Contaminant Concerns	Not Assessed	SH 249 to IH 45	23			

Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 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	FM 1736 to Field Store Road	6			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Field Store Road to SH 249	23			
Overall Fish Tissue Contaminant Concerns	Not Assessed	IH 45 to confluence with Lake Houston	17			
Overall Fish Tissue Contaminant Concerns	Not Assessed	SH 249 to IH 45	23			
Public Water Supply Concern						
Finished Water: Chloride	No Concern	FM 1736 to Field Store Road	6			
Finished Water: Chloride	No Concern	Field Store Road to SH 249	23			
Finished Water: Chloride	No Concern	IH 45 to confluence with Lake Houston	17			
Finished Water: Chloride	No Concern	SH 249 to IH 45	23			
Finished Water: Sulfate	No Concern	FM 1736 to Field Store Road	6			
Finished Water: Sulfate	No Concern	Field Store Road to SH 249	23			
Finished Water: Sulfate	No Concern	IH 45 to confluence with Lake Houston	17			
Finished Water: Sulfate	No Concern	SH 249 to IH 45	23			
Finished Water: Total Dissolved Solids	No Concern	FM 1736 to Field Store Road	6			
Finished Water: Total Dissolved Solids	No Concern	Field Store Road to SH 249	23			
Finished Water: Total Dissolved Solids	No Concern	IH 45 to confluence with Lake Houston	17			
Finished Water: Total Dissolved Solids	No Concern	SH 249 to IH 45	23			
Finished Water: MTBE	No Concern	FM 1736 to Field Store Road	6			
Finished Water: MTBE	No Concern	Field Store Road to SH 249	23			
Finished Water: MTBE	No Concern	IH 45 to confluence with Lake Houston	17			
Finished Water: MTBE	No Concern	SH 249 to IH 45	23			

Segment ID: 1008 **Water body name:** Spring Creek

Freshwater Stream | San Jacinto River Basin | Total size: 69 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Finished Water: Perchlorate	Not Assessed	FM 1736 to Field Store Road	6			
Finished Water: Perchlorate	Not Assessed	Field Store Road to SH 249	23			
Finished Water: Perchlorate	Not Assessed	IH 45 to confluence with Lake Houston	17			
Finished Water: Perchlorate	Not Assessed	SH 249 to IH 45	23			
Finished Water: Overall	No Concern	FM 1736 to Field Store Road	6			
Finished Water: Overall	No Concern	Field Store Road to SH 249	23			
Finished Water: Overall	No Concern	IH 45 to confluence with Lake Houston	17			
Finished Water: Overall	No Concern	SH 249 to IH 45	23			
Surface Water: Chloride	No Concern	FM 1736 to Field Store Road	6	53		50
Surface Water: Chloride	No Concern	Field Store Road to SH 249	23	53		50
Surface Water: Chloride	No Concern	IH 45 to confluence with Lake Houston	17	53		50
Surface Water: Chloride	No Concern	SH 249 to IH 45	23	53		50
Surface Water: Sulfate	No Concern	FM 1736 to Field Store Road	6	126		16.8
Surface Water: Sulfate	No Concern	Field Store Road to SH 249	23	126		16.8
Surface Water: Sulfate	No Concern	IH 45 to confluence with Lake Houston	17	126		16.8
Surface Water: Sulfate	No Concern	SH 249 to IH 45	23	126		16.8
Surface Water: Total Dissolved Solids	No Concern	FM 1736 to Field Store Road	6	119		328.6
Surface Water: Total Dissolved Solids	No Concern	Field Store Road to SH 249	23	119		328.6
Surface Water: Total Dissolved Solids	No Concern	IH 45 to confluence with Lake Houston	17	119		328.6
Surface Water: Total Dissolved Solids	No Concern	SH 249 to IH 45	23	119		328.6
Surface Water: Overall	No Concern	FM 1736 to Field Store Road	6			
Surface Water: Overall	No Concern	Field Store Road to SH 249	23			
Surface Water: Overall	No Concern	IH 45 to confluence with Lake Houston	17			
Surface Water: Overall	No Concern	SH 249 to IH 45	23			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Overall Public Water Supply Concerns	No Concern	FM 1736 to Field Store Road	6			
Overall Public Water Supply Concerns	No Concern	Field Store Road to SH 249	23			
Overall Public Water Supply Concerns	No Concern	IH 45 to confluence with Lake Houston	17			
Overall Public Water Supply Concerns	No Concern	SH 249 to IH 45	23			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	FM 1736 to Field Store Road	6			
Overall Narrative Criteria Concerns	No Concern	Field Store Road to SH 249	23			
Overall Narrative Criteria Concerns	No Concern	IH 45 to confluence with Lake Houston	17			
Overall Narrative Criteria Concerns	No Concern	SH 249 to IH 45	23			
Overall Secondary Concern						
	No Concern	FM 1736 to Field Store Road	6			
	No Concern	Field Store Road to SH 249	23			
	Concern	IH 45 to confluence with Lake Houston	17			
	Concern	SH 249 to IH 45	23			