

Segment ID: 1207 **Water body name:** Possum Kingdom Lake

Reservoir	Brazos River Basin	Total size:	19,800	Acres
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Aquatic Life Use (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Overall Aquatic Life Use	Not Assessed	Caddo Creek arm of lake	504			
2002	Overall Aquatic Life Use	Fully Supporting	Deep Elm Creek arm	3,672			
2002	Overall Aquatic Life Use	Fully Supporting	Downstream portion of lake	1,359			
2002	Overall Aquatic Life Use	Fully Supporting	Elm Creek arm of segment	1,875			
2002	Overall Aquatic Life Use	Fully Supporting	Jewell Creek arm of lake	1,191			
2002	Overall Aquatic Life Use	Not Assessed	Portion of lake adjacent to northeast corner of state park	838			
2002	Overall Aquatic Life Use	Not Assessed	Portion of lake containing Costello Island	1,683			
2002	Overall Aquatic Life Use	Not Assessed	Portion of lake south of FM 2951	1,128			
2002	Overall Aquatic Life Use	Not Assessed	Portion of segment west of SH 16	2,666			
2002	Overall Aquatic Life Use	Not Assessed	Rock Creek arm of lake	1,987			
2002	Overall Aquatic Life Use	Not Assessed	Veale creek arm of segment	1,830			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Bluff Creek arm of lake	1,067	0		
2002	E. coli single sample	Not Assessed	Deep Elm Creek arm	3,672	0		
2002	E. coli single sample	Not Assessed	Downstream portion of lake	1,359	0		
2002	E. coli single sample	Not Assessed	Elm Creek arm of segment	1,875	0		
2002	E. coli geometric mean	Not Assessed	Bluff Creek arm of lake	1,067	0		
2002	E. coli geometric mean	Not Assessed	Deep Elm Creek arm	3,672	0		
2002	E. coli geometric mean	Not Assessed	Downstream portion of lake	1,359	0		
2002	E. coli geometric mean	Not Assessed	Elm Creek arm of segment	1,875	0		
2002	Fecal coliform single sample	Fully Supporting	Bluff Creek arm of lake	1,067	27	0	
2002	Fecal coliform single sample	Fully Supporting	Deep Elm Creek arm	3,672	17	1	
2002	Fecal coliform single sample	Fully Supporting	Downstream portion of lake	1,359	24	0	
2002	Fecal coliform single sample	Fully Supporting	Elm Creek arm of segment	1,875	21	0	

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Algal Growth Concern (continued)

2002	Chlorophyll a	Not Assessed	Portion of segment west of SH 16	2,666			
2002	Chlorophyll a	Not Assessed	Rock Creek arm of lake	1,987	0		
2002	Chlorophyll a	Not Assessed	Veale creek arm of segment	1,830			

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Bluff Creek arm of lake	1,067			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Caddo Creek arm of lake	504			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Deep Elm Creek arm	3,672			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Downstream portion of lake	1,359			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Elm Creek arm of segment	1,875			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Jewell Creek arm of lake	1,191			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of lake adjacent to northeast corner of state park	838			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of lake containing Costello Island	1,683			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of lake south of FM 2951	1,128			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of segment west of SH 16	2,666			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Rock Creek arm of lake	1,987			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Veale creek arm of segment	1,830			

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

2002	Finished Water: Increased Demineralization Costs	Concern	Jewell Creek arm of lake	1,191			
2002	Finished Water: Increased Demineralization Costs	Concern	Portion of lake adjacent to northeast corner of state park	838			
2002	Finished Water: Increased Demineralization Costs	Concern	Portion of lake containing Costello Island	1,683			
2002	Finished Water: Increased Demineralization Costs	Concern	Portion of lake south of FM 2951	1,128			
2002	Finished Water: Increased Demineralization Costs	Concern	Portion of segment west of SH 16	2,666			
2002	Finished Water: Increased Demineralization Costs	Concern	Rock Creek arm of lake	1,987			
2002	Finished Water: Increased Demineralization Costs	Concern	Veale creek arm of segment	1,830			
2002	Finished Water: MTBE	No Concern	Bluff Creek arm of lake	1,067			
2002	Finished Water: MTBE	No Concern	Caddo Creek arm of lake	504			
2002	Finished Water: MTBE	No Concern	Deep Elm Creek arm	3,672			
2002	Finished Water: MTBE	No Concern	Downstream portion of lake	1,359			
2002	Finished Water: MTBE	No Concern	Elm Creek arm of segment	1,875			
2002	Finished Water: MTBE	No Concern	Jewell Creek arm of lake	1,191			
2002	Finished Water: MTBE	No Concern	Portion of lake adjacent to northeast corner of state park	838			
2002	Finished Water: MTBE	No Concern	Portion of lake containing Costello Island	1,683			
2002	Finished Water: MTBE	No Concern	Portion of lake south of FM 2951	1,128			
2002	Finished Water: MTBE	No Concern	Portion of segment west of SH 16	2,666			
2002	Finished Water: MTBE	No Concern	Rock Creek arm of lake	1,987			
2002	Finished Water: MTBE	No Concern	Veale creek arm of segment	1,830			
2002	Finished Water: Perchlorate	Not Assessed	Bluff Creek arm of lake	1,067			

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Public Water Supply Concern (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Surface Water: Overall	Concern	Jewell Creek arm of lake	1,191			
2002	Surface Water: Overall	Concern	Portion of lake adjacent to northeast corner of state park	838			
2002	Surface Water: Overall	Concern	Portion of lake containing Costello Island	1,683			
2002	Surface Water: Overall	Concern	Portion of lake south of FM 2951	1,128			
2002	Surface Water: Overall	Concern	Portion of segment west of SH 16	2,666			
2002	Surface Water: Overall	Concern	Rock Creek arm of lake	1,987			
2002	Surface Water: Overall	Concern	Veale creek arm of segment	1,830			
2002	Overall Public Water Supply Concerns	Concern	Bluff Creek arm of lake	1,067			
2002	Overall Public Water Supply Concerns	Concern	Caddo Creek arm of lake	504			
2002	Overall Public Water Supply Concerns	Concern	Deep Elm Creek arm	3,672			
2002	Overall Public Water Supply Concerns	Concern	Downstream portion of lake	1,359			
2002	Overall Public Water Supply Concerns	Concern	Elm Creek arm of segment	1,875			
2002	Overall Public Water Supply Concerns	Concern	Jewell Creek arm of lake	1,191			
2002	Overall Public Water Supply Concerns	Concern	Portion of lake adjacent to northeast corner of state park	838			
2002	Overall Public Water Supply Concerns	Concern	Portion of lake containing Costello Island	1,683			
2002	Overall Public Water Supply Concerns	Concern	Portion of lake south of FM 2951	1,128			
2002	Overall Public Water Supply Concerns	Concern	Portion of segment west of SH 16	2,666			

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Reservoir

Brazos River Basin

Total size:

19,800

Acres

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

2002		Concern	Bluff Creek arm of lake	1,067			
2002		Concern	Caddo Creek arm of lake	504			
2002		Concern	Deep Elm Creek arm	3,672			
2002		Concern	Downstream portion of lake	1,359			
2002		Concern	Elm Creek arm of segment	1,875			
2002		Concern	Jewell Creek arm of lake	1,191			
2002		Concern	Portion of lake adjacent to northeast corner of state park	838			
2002		Concern	Portion of lake containing Costello Island	1,683			
2002		Concern	Portion of lake south of FM 2951	1,128			
2002		Concern	Portion of segment west of SH 16	2,666			
2002		Concern	Rock Creek arm of lake	1,987			
2002		Concern	Veale creek arm of segment	1,830			