

Segment ID: 0605

Water body name: Lake Palestine

Reservoir		Neches River Basin		Total size:		25,560 Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use							
2004	Dissolved Oxygen grab average	No Concern	Headwaters (Neches River arm)	1,046	20	2	4.4
2004	Dissolved Oxygen grab average	No Concern	Indian Creek Cove	348	13	1	
2004	Dissolved Oxygen grab average	No Concern	Lower portion of reservoir near dam	7,373	21	2	
2004	Dissolved Oxygen grab average	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	
2004	Dissolved Oxygen grab average	No Concern	Upper midlake near Tyler PWS intake	3,686.5	16	0	
2004	Dissolved Oxygen grab average	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Headwaters (Neches River arm)	1,046	20	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Indian Creek Cove	348	13	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Lower portion of reservoir near dam	7,373	21	0	
2004	Dissolved Oxygen grab minimum	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5	16	0	
2004	Dissolved Oxygen grab minimum	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Headwaters (Neches River arm)	1,046	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Indian Creek Cove	348	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower portion of reservoir near dam	7,373	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Midlake near SH 155	7,373	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Headwaters (Neches River arm)	1,046	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Indian Creek Cove	348	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower portion of reservoir near dam	7,373	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Midlake near SH 155	7,373	0		

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Aquatic Life Use (continued)

2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	0		
2002	Acute Metals in water	Not Assessed	Headwaters (Neches River arm)	1,046	1	0	
2002	Acute Metals in water	Not Assessed	Indian Creek Cove	348	2	0	
2002	Acute Metals in water	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	6		
2002	Acute Metals in water	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	
2002	Acute Metals in water	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	2		
2002	Acute Metals in water	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Chronic Metals in water	Not Assessed	Headwaters (Neches River arm)	1,046	1		
2002	Chronic Metals in water	Not Assessed	Indian Creek Cove	348	2		
2002	Chronic Metals in water	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	6		
2002	Chronic Metals in water	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	
2002	Chronic Metals in water	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	2		
2002	Chronic Metals in water	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4		
2004	Overall Aquatic Life Use	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2004	Overall Aquatic Life Use	Fully Supporting	Headwaters (Neches River arm)	1,046			
2004	Overall Aquatic Life Use	Fully Supporting	Indian Creek Cove	348			
2004	Overall Aquatic Life Use	Fully Supporting	Lower portion of reservoir near dam	7,373			
2004	Overall Aquatic Life Use	Not Assessed	Midlake near SH 155	7,373			
2004	Overall Aquatic Life Use	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			

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Aquatic Life Use (continued)

2004	Overall Aquatic Life Use	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			
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Contact Recreation Use

2002	E. coli single sample	Not Assessed	Headwaters (Neches River arm)	1,046	1	0	
2002	E. coli single sample	No Concern-Limited Data	Indian Creek Cove	348	1	0	
2002	E. coli single sample	Not Assessed	Lower portion of reservoir near dam	7,373	1	0	
2002	E. coli single sample	Not Assessed	Midlake near SH 155	7,373	0		
2002	E. coli single sample	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	1	0	
2002	E. coli single sample	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	0		
2002	E. coli geometric mean	Not Assessed	Headwaters (Neches River arm)	1,046	1		4
2002	E. coli geometric mean	No Concern-Limited Data	Indian Creek Cove	348	1		4
2002	E. coli geometric mean	Not Assessed	Lower portion of reservoir near dam	7,373	1		1
2002	E. coli geometric mean	Not Assessed	Midlake near SH 155	7,373	0		
2002	E. coli geometric mean	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	1		2
2002	E. coli geometric mean	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	0		
2002	Fecal coliform single sample	Fully Supporting	Headwaters (Neches River arm)	1,046	13	1	
2002	Fecal coliform single sample	No Concern-Limited Data	Indian Creek Cove	348	5	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	9	0	
2002	Fecal coliform single sample	Fully Supporting	Midlake near SH 155	7,373	10	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	5	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	

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Contact Recreation Use (continued)

2002	Fecal coliform geometric mean	Fully Supporting	Headwaters (Neches River arm)	1,046	13		134
2002	Fecal coliform geometric mean	No Concern-Limited Data	Indian Creek Cove	348	5		72
2002	Fecal coliform geometric mean	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	9		1
2002	Fecal coliform geometric mean	Fully Supporting	Midlake near SH 155	7,373	10		1
2002	Fecal coliform geometric mean	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	5		1
2002	Fecal coliform geometric mean	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4		1
2002	Overall Recreation Use	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Recreation Use	Fully Supporting	Headwaters (Neches River arm)	1,046			
2002	Overall Recreation Use	Not Assessed	Indian Creek Cove	348			
2002	Overall Recreation Use	Not Assessed	Lower portion of reservoir near dam	7,373			
2002	Overall Recreation Use	Fully Supporting	Midlake near SH 155	7,373			
2002	Overall Recreation Use	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Recreation Use	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			

General Use

2002	Water Temperature	Fully Supporting	Headwaters (Neches River arm)	1,046	14	0	
2002	Water Temperature	No Concern-Limited Data	Indian Creek Cove	348	6	0	
2002	Water Temperature	Fully Supporting	Lower portion of reservoir near dam	7,373	11	0	
2002	Water Temperature	Fully Supporting	Midlake near SH 155	7,373	11	0	
2002	Water Temperature	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	8	0	
2002	Water Temperature	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	

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General Use (continued)

2004	pH	Fully Supporting	Headwaters (Neches River arm)	1,046	20	0	
2004	pH	Fully Supporting	Indian Creek Cove	348	13	0	
2004	pH	Fully Supporting	Lower portion of reservoir near dam	7,373	21	0	
2004	pH	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	
2004	pH	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5	16	1	
2004	pH	Use Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	1	
2002	Chloride	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047	49		29.2
2002	Chloride	Fully Supporting	Headwaters (Neches River arm)	1,046	49		29.2
2002	Chloride	Fully Supporting	Indian Creek Cove	348	49		29.2
2002	Chloride	Fully Supporting	Lower portion of reservoir near dam	7,373	49		29.2
2002	Chloride	Fully Supporting	Midlake near SH 155	7,373	49		29.2
2002	Chloride	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5	49		29.2
2002	Chloride	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5	49		29.2
2002	Sulfate	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047	49		30.8
2002	Sulfate	Fully Supporting	Headwaters (Neches River arm)	1,046	49		30.8
2002	Sulfate	Fully Supporting	Indian Creek Cove	348	49		30.8
2002	Sulfate	Fully Supporting	Lower portion of reservoir near dam	7,373	49		30.8
2002	Sulfate	Fully Supporting	Midlake near SH 155	7,373	49		30.8
2002	Sulfate	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5	49		30.8
2002	Sulfate	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5	49		30.8
2002	Total Dissolved Solids	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047	54		162
2002	Total Dissolved Solids	Fully Supporting	Headwaters (Neches River arm)	1,046	54		162
2002	Total Dissolved Solids	Fully Supporting	Indian Creek Cove	348	54		162

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General Use (continued)

2002	Total Dissolved Solids	Fully Supporting	Lower portion of reservoir near dam	7,373	54		162
2002	Total Dissolved Solids	Fully Supporting	Midlake near SH 155	7,373	54		162
2002	Total Dissolved Solids	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5	54		162
2002	Total Dissolved Solids	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5	54		162
2002	Overall General Use	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047			
2004	Overall General Use	Fully Supporting	Headwaters (Neches River arm)	1,046			
2004	Overall General Use	Fully Supporting	Indian Creek Cove	348			
2004	Overall General Use	Fully Supporting	Lower portion of reservoir near dam	7,373			
2004	Overall General Use	Fully Supporting	Midlake near SH 155	7,373			
2004	Overall General Use	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2004	Overall General Use	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			

Fish Consumption Use

2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Headwaters (Neches River arm)	1,046			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Indian Creek Cove	348			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Lower portion of reservoir near dam	7,373			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Midlake near SH 155	7,373			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			

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Fish Consumption Use (continued)

2002	Human Health Criteria Metals	No Concern-Limited Data	Headwaters (Neches River arm)	1,046	4		
2002	Human Health Criteria Metals	No Concern-Limited Data	Indian Creek Cove	348	2		
2002	Human Health Criteria Metals	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	5		
2002	Human Health Criteria Metals	No Concern-Limited Data	Midlake near SH 155	7,373	7		
2002	Human Health Criteria Metals	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	2		
2002	Human Health Criteria Metals	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Overall Fish Consumption Use	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Fish Consumption Use	Fully Supporting	Headwaters (Neches River arm)	1,046			
2002	Overall Fish Consumption Use	Fully Supporting	Indian Creek Cove	348			
2002	Overall Fish Consumption Use	Fully Supporting	Lower portion of reservoir near dam	7,373			
2002	Overall Fish Consumption Use	Fully Supporting	Midlake near SH 155	7,373			
2002	Overall Fish Consumption Use	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Fish Consumption Use	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Running Avg	Fully Supporting	Lower portion of reservoir near dam	7,373			
2002	Finished Water: Running Avg	Fully Supporting	Midlake near SH 155	7,373			
2002	Finished Water: Running Avg	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Running Avg	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Surface Water: Long-term average Metals	Fully Supporting	Headwaters (Neches River arm)	1,046	25		

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Public Water Supply Use (continued)

2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Indian Creek Cove	348	2		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	6		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Midlake near SH 155	7,373	7		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	2		
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Headwaters (Neches River arm)	1,046	14		3.82
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Indian Creek Cove	348	6		4.58
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower portion of reservoir near dam	7,373	10		0.151
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Midlake near SH 155	7,373	9		0.117
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	6		0.075
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4		0.082
2002	Surface Water: Running average Metals	Fully Supporting	Headwaters (Neches River arm)	1,046	25	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Indian Creek Cove	348	2	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Lower portion of reservoir near dam	7,373	6	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Midlake near SH 155	7,373	7	0	

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Public Water Supply Use (continued)

2002	Surface Water: Running average Metals	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	2	0	
2002	Surface Water: Running average Metals	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Headwaters (Neches River arm)	1,046	14	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Indian Creek Cove	348	6	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower portion of reservoir near dam	7,373	10	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Midlake near SH 155	7,373	9	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper midlake near Tyler PWS intake	3,686.5	6	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Overall Public Water Supply Use	Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Public Water Supply Use	Fully Supporting	Headwaters (Neches River arm)	1,046			
2002	Overall Public Water Supply Use	Fully Supporting	Indian Creek Cove	348			
2002	Overall Public Water Supply Use	Fully Supporting	Lower portion of reservoir near dam	7,373			
2002	Overall Public Water Supply Use	Fully Supporting	Midlake near SH 155	7,373			
2002	Overall Public Water Supply Use	Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Public Water Supply Use	Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			

Overall Use Support

2004		Fully Supporting	Headwaters (Kickapoo Creek arm)	2,047			
2004		Fully Supporting	Headwaters (Neches River arm)	1,046			
2004		Fully Supporting	Indian Creek Cove	348			

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Overall Use Support (continued)

2004		Fully Supporting	Lower portion of reservoir near dam	7,373			
2004		Fully Supporting	Midlake near SH 155	7,373			
2004		Fully Supporting	Upper midlake near Tyler PWS intake	3,686.5			
2004		Fully Supporting	Upper midlake/ Big Eddy Bay	3,686.5			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Concern	Headwaters (Neches River arm)	1,046	14	9	
2002	Ammonia Nitrogen	Not Assessed	Indian Creek Cove	348	6	4	
2002	Ammonia Nitrogen	No Concern	Lower portion of reservoir near dam	7,373	10	1	
2002	Ammonia Nitrogen	No Concern	Midlake near SH 155	7,373	10	0	
2002	Ammonia Nitrogen	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	6	0	
2002	Ammonia Nitrogen	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Nitrite + Nitrate Nitrogen	Concern	Headwaters (Neches River arm)	1,046	14	14	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Indian Creek Cove	348	6	6	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower portion of reservoir near dam	7,373	10	2	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Midlake near SH 155	7,373	9	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	6	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Orthophosphorus	Not Assessed	Headwaters (Neches River arm)	1,046	6	4	
2002	Orthophosphorus	Not Assessed	Indian Creek Cove	348	6	3	
2002	Orthophosphorus	No Concern	Lower portion of reservoir near dam	7,373	10	0	
2002	Orthophosphorus	Not Assessed	Midlake near SH 155	7,373	9	0	
2002	Orthophosphorus	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	6	0	
2002	Orthophosphorus	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Total Phosphorus	Not Assessed	Headwaters (Neches River arm)	1,046	8	4	

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Nutrient Enrichment Concern (continued)

2002	Total Phosphorus	Not Assessed	Indian Creek Cove	348	6	5	
2002	Total Phosphorus	No Concern	Lower portion of reservoir near dam	7,373	10	0	
2002	Total Phosphorus	No Concern	Midlake near SH 155	7,373	10	1	
2002	Total Phosphorus	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	6	1	
2002	Total Phosphorus	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	4	0	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Nutrient Enrichment Concerns	Concern	Headwaters (Neches River arm)	1,046			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Indian Creek Cove	348			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower portion of reservoir near dam	7,373			
2002	Overall Nutrient Enrichment Concerns	No Concern	Midlake near SH 155	7,373			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Chlorophyll a	Not Assessed	Headwaters (Neches River arm)	1,046	2	0	
2002	Chlorophyll a	Not Assessed	Indian Creek Cove	348	6	0	
2002	Chlorophyll a	No Concern	Lower portion of reservoir near dam	7,373	10	0	
2002	Chlorophyll a	No Concern	Midlake near SH 155	7,373	10	2	
2002	Chlorophyll a	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	6	1	
2002	Chlorophyll a	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5	4	0	

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Sediment Contaminants Concern

2002	85% Metals in sediment	Not Assessed	Indian Creek Cove	348	2	1	77.4
2002	85% Metals in sediment Arsenic	Not Assessed	Lower portion of reservoir near dam	7,373	1	1	
2002	85% Metals in sediment Barium	Not Assessed	Lower portion of reservoir near dam	7,373	2	2	
2002	85% Metals in sediment Barium	Not Assessed	Midlake near SH 155	7,373	3	1	
2002	85% Metals in sediment Cadmium	Not Assessed	Midlake near SH 155	7,373	3	1	
2002	85% Metals in sediment Lead	Not Assessed	Headwaters (Neches River arm)	1,046	2	1	
2002	85% Metals in sediment Lead	Not Assessed	Midlake near SH 155	7,373	3	1	
2002	85% Metals in sediment Manganese	Not Assessed	Lower portion of reservoir near dam	7,373	2	2	
2002	85% Metals in sediment Manganese	Not Assessed	Midlake near SH 155	7,373	3	1	
2002	85% Metals in sediment Nickel	Not Assessed	Lower portion of reservoir near dam	7,373	2	1	
2002	Metals in sediment	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5	1	0	
2002	Overall Sediment Contaminant Concerns	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Headwaters (Neches River arm)	1,046			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Indian Creek Cove	348			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower portion of reservoir near dam	7,373			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Midlake near SH 155	7,373			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			

Segment ID: 0605

Water body name: Lake Palestine

Reservoir

Neches River Basin

Total size:

25,560 Acres

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

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Headwaters (Neches River arm)	1,046			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Indian Creek Cove	348			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower portion of reservoir near dam	7,373			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Midlake near SH 155	7,373			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: Chloride	No Concern	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Chloride	No Concern	Indian Creek Cove	348			
2002	Finished Water: Chloride	No Concern	Lower portion of reservoir near dam	7,373			
2002	Finished Water: Chloride	No Concern	Midlake near SH 155	7,373			
2002	Finished Water: Chloride	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Chloride	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Finished Water: Sulfate	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: Sulfate	No Concern	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Sulfate	No Concern	Indian Creek Cove	348			
2002	Finished Water: Sulfate	No Concern	Lower portion of reservoir near dam	7,373			
2002	Finished Water: Sulfate	No Concern	Midlake near SH 155	7,373			

Segment ID: 0605

Water body name: Lake Palestine

Reservoir

Neches River Basin

Total size:

25,560 Acres

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: Sulfate	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Sulfate	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Finished Water: Total Dissolved Solids	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: Total Dissolved Solids	No Concern	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Total Dissolved Solids	No Concern	Indian Creek Cove	348			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower portion of reservoir near dam	7,373			
2002	Finished Water: Total Dissolved Solids	No Concern	Midlake near SH 155	7,373			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Finished Water: MTBE	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: MTBE	No Concern	Headwaters (Neches River arm)	1,046			
2002	Finished Water: MTBE	No Concern	Indian Creek Cove	348			
2002	Finished Water: MTBE	No Concern	Lower portion of reservoir near dam	7,373			
2002	Finished Water: MTBE	No Concern	Midlake near SH 155	7,373			
2002	Finished Water: MTBE	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: MTBE	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Finished Water: Perchlorate	Not Assessed	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: Perchlorate	Not Assessed	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Perchlorate	Not Assessed	Indian Creek Cove	348			
2002	Finished Water: Perchlorate	Not Assessed	Lower portion of reservoir near dam	7,373			

Segment ID: 0605

Water body name: Lake Palestine

Reservoir

Neches River Basin

Total size:

25,560 Acres

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: Perchlorate	Not Assessed	Midlake near SH 155	7,373			
2002	Finished Water: Perchlorate	Not Assessed	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Perchlorate	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Finished Water: Overall	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Finished Water: Overall	No Concern	Headwaters (Neches River arm)	1,046			
2002	Finished Water: Overall	No Concern	Indian Creek Cove	348			
2002	Finished Water: Overall	No Concern	Lower portion of reservoir near dam	7,373			
2002	Finished Water: Overall	No Concern	Midlake near SH 155	7,373			
2002	Finished Water: Overall	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Finished Water: Overall	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Surface Water: Chloride	No Concern	Headwaters (Kickapoo Creek arm)	2,047	49		29.2
2002	Surface Water: Chloride	No Concern	Headwaters (Neches River arm)	1,046	49		29.2
2002	Surface Water: Chloride	No Concern	Indian Creek Cove	348	49		29.2
2002	Surface Water: Chloride	No Concern	Lower portion of reservoir near dam	7,373	49		29.2
2002	Surface Water: Chloride	No Concern	Midlake near SH 155	7,373	49		29.2
2002	Surface Water: Chloride	No Concern	Upper midlake near Tyler PWS intake	3,686.5	49		29.2
2002	Surface Water: Chloride	No Concern	Upper midlake/ Big Eddy Bay	3,686.5	49		29.2
2002	Surface Water: Sulfate	No Concern	Headwaters (Kickapoo Creek arm)	2,047	49		30.8
2002	Surface Water: Sulfate	No Concern	Headwaters (Neches River arm)	1,046	49		30.8
2002	Surface Water: Sulfate	No Concern	Indian Creek Cove	348	49		30.8
2002	Surface Water: Sulfate	No Concern	Lower portion of reservoir near dam	7,373	49		30.8
2002	Surface Water: Sulfate	No Concern	Midlake near SH 155	7,373	49		30.8
2002	Surface Water: Sulfate	No Concern	Upper midlake near Tyler PWS intake	3,686.5	49		30.8
2002	Surface Water: Sulfate	No Concern	Upper midlake/ Big Eddy Bay	3,686.5	49		30.8

Segment ID: 0605

Water body name: Lake Palestine

Reservoir

Neches River Basin

Total size:

25,560 Acres

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	Surface Water: Total Dissolved Solids	No Concern	Headwaters (Kickapoo Creek arm)	2,047	23		162.1
2002	Surface Water: Total Dissolved Solids	No Concern	Headwaters (Neches River arm)	1,046	54		162
2002	Surface Water: Total Dissolved Solids	No Concern	Indian Creek Cove	348	54		162
2002	Surface Water: Total Dissolved Solids	No Concern	Lower portion of reservoir near dam	7,373	54		162
2002	Surface Water: Total Dissolved Solids	No Concern	Midlake near SH 155	7,373	54		162
2002	Surface Water: Total Dissolved Solids	No Concern	Upper midlake near Tyler PWS intake	3,686.5	54		162
2002	Surface Water: Total Dissolved Solids	No Concern	Upper midlake/ Big Eddy Bay	3,686.5	54		162
2002	Surface Water: Overall	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Surface Water: Overall	No Concern	Headwaters (Neches River arm)	1,046			
2002	Surface Water: Overall	No Concern	Indian Creek Cove	348			
2002	Surface Water: Overall	Not Assessed	Lower portion of reservoir near dam	7,373			
2002	Surface Water: Overall	No Concern	Midlake near SH 155	7,373			
2002	Surface Water: Overall	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Surface Water: Overall	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
2002	Overall Public Water Supply Concerns	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Public Water Supply Concerns	No Concern	Headwaters (Neches River arm)	1,046			
2002	Overall Public Water Supply Concerns	No Concern	Indian Creek Cove	348			
2002	Overall Public Water Supply Concerns	No Concern	Lower portion of reservoir near dam	7,373			

Segment ID: 0605**Water body name: Lake Palestine**

Reservoir

Neches River Basin

Total size:

25,560 Acres

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	Overall Public Water Supply Concerns	No Concern	Midlake near SH 155	7,373			
2002	Overall Public Water Supply Concerns	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Public Water Supply Concerns	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002	Overall Narrative Criteria Concerns	No Concern	Headwaters (Neches River arm)	1,046			
2002	Overall Narrative Criteria Concerns	No Concern	Indian Creek Cove	348			
2002	Overall Narrative Criteria Concerns	No Concern	Lower portion of reservoir near dam	7,373			
2002	Overall Narrative Criteria Concerns	No Concern	Midlake near SH 155	7,373			
2002	Overall Narrative Criteria Concerns	No Concern	Upper midlake near Tyler PWS intake	3,686.5			
2002	Overall Narrative Criteria Concerns	No Concern	Upper midlake/ Big Eddy Bay	3,686.5			

Overall Secondary Concern

2002		No Concern	Headwaters (Kickapoo Creek arm)	2,047			
2002		Concern	Headwaters (Neches River arm)	1,046			
2002		No Concern	Indian Creek Cove	348			
2002		No Concern	Lower portion of reservoir near dam	7,373			
2002		No Concern	Midlake near SH 155	7,373			
2002		No Concern	Upper midlake near Tyler PWS intake	3,686.5			

Segment ID: 0605**Water body name:** Lake Palestine

Reservoir

Neches River Basin

Total size:

25,560 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 (continued)

2002		No Concern	Upper midlake/ Big Eddy Bay	3,686.5			
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