(-data from 03/01/1998 to 02/28/2003)

Segment ID: 0605

Water body name: Lake Palestine

Reservoir Neches River Basin Total size: 25,560 Acres Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location size samples exceedances Mean **Aquatic Life Use** 2004 2 Dissolved Oxygen grab average No Concern Headwaters (Neches River arm) 20 4.4 1.046 2004 Dissolved Oxygen grab average No Concern 1 Indian Creek Cove 348 13 2004 Dissolved Oxygen grab average No Concern 21 2 Lower portion of reservoir near dam 7,373 2004 Dissolved Oxygen grab average 0 No Concern-Limited 7 Midlake near SH 155 7,373 Data 2004 Dissolved Oxygen grab average No Concern Upper midlake near Tyler PWS intake 0 3.686.5 16 2004 Dissolved Oxygen grab average No Concern-Limited Upper midlake/ Big Eddy Bay 4 0 3,686.5 Data 2004 Dissolved Oxygen grab minimum **Fully Supporting** Headwaters (Neches River arm) 20 0 1.046 2004 Dissolved Oxygen grab minimum **Fully Supporting** Indian Creek Cove 348 13 0 2004 Dissolved Oxygen grab minimum Fully Supporting 21 0 Lower portion of reservoir near dam 7,373 2004 Dissolved Oxygen grab minimum No Concern-Limited Midlake near SH 155 7 0 7,373 Data 2004 Dissolved Oxygen grab minimum 0 Fully Supporting Upper midlake near Tyler PWS intake 3.686.5 16 2004 Dissolved Oxygen grab minimum 4 0 No Concern-Limited Upper midlake/ Big Eddy Bay 3,686.5 Data 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 0 Lower portion of reservoir near dam 7,373 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

(-data from 03/01/1998 to 02/28/2003)

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Segment ID: 0605

Reservo	oir	Neches Rive	er 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 U	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			

Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
quatic Life U	Use (continued)						
2004	Overall Aquatic Life Use	Not Assessed	Upper midlake/ Big Eddy Bay	3,686.5			
ontact Recro	eation 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		
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	

Reserve	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recr	eation 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			
eneral 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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Segment ID: 0605

Reservo	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use	(continued)						
2004	рН	Fully Supporting	Headwaters (Neches River arm)	1,046	20	0	
2004	рН	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

(-data from 03/01/1998 to 02/28/2003)

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Segment ID: 0605

Reserve	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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 Consump	otion 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			

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 0605 Water body name: Lake Palestine

Reservoir **Neches River Basin** Total size: 25,560 Acres Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location samples exceedances Mean size Fish Consumption Use (continued) 2002 Human Health Criteria Metals No Concern-Limited Headwaters (Neches River arm) 1.046 4 Data 2002 Human Health Criteria Metals No Concern-Limited Indian Creek Cove 2 348 Data 2002 Human Health Criteria Metals No Concern-Limited 5 Lower portion of reservoir near dam 7,373 Data 2002 Human Health Criteria Metals No Concern-Limited Midlake near SH 155 7 7,373 Data 2002 Human Health Criteria Metals No Concern-Limited Upper midlake near Tyler PWS intake 2 3,686.5 Data 2002 Human Health Criteria Metals No Concern-Limited Upper midlake/ Big Eddy Bay 3,686.5 Data 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 Upper midlake/ Big Eddy Bay 3,686.5 Fully Supporting **Public Water Supply Use** 2002 Finished Water: Running Avg **Fully Supporting** Headwaters (Neches River arm) 1,046 2002 **Fully Supporting** Lower portion of reservoir near dam Finished Water: Running Avg 7,373 2002 **Fully Supporting** Finished Water: Running Avg 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 Fully Supporting Headwaters (Neches River arm) 1.046 25 Metals

Reservo	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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	

Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ublic Water S	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 Su	apport			•			
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			

2002

Total Phosphorus

(-data from 03/01/1998 to 02/28/2003)

Not Assessed

Segment ID: 0605 Water body name: Lake Palestine Reservoir Neches River Basin Total size: 25,560 Acres Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location samples exceedances Mean size 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) 9 1.046 14 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 2002 Ammonia Nitrogen No Concern Midlake near SH 155 0 7,373 10 2002 Ammonia Nitrogen Not Assessed Upper midlake near Tyler PWS intake 0 3.686.5 6 2002 Ammonia Nitrogen Not Assessed Upper midlake/ Big Eddy Bay 3,686.5 4 0 2002 Nitrite + Nitrate Nitrogen Concern Headwaters (Neches River arm) 14 1.046 14 2002 Nitrite + Nitrate Nitrogen Not Assessed Indian Creek Cove 348 6 6 2002 2 Nitrite + Nitrate Nitrogen No Concern Lower portion of reservoir near dam 7,373 10 2002 Midlake near SH 155 0 Nitrite + Nitrate Nitrogen Not Assessed 7,373 9 Nitrite + Nitrate Nitrogen 2002 0 Not Assessed Upper midlake near Tyler PWS intake 3.686.5 6 2002 0 Nitrite + Nitrate Nitrogen Upper midlake/ Big Eddy Bay 3,686.5 Not Assessed 4 2002 Orthophosphorus 4 Not Assessed Headwaters (Neches River arm) 1.046 6 2002 3 Orthophosphorus Not Assessed Indian Creek Cove 348 6 2002 Orthophosphorus 0 No Concern Lower portion of reservoir near dam 7,373 10 2002 Orthophosphorus 9 0 Not Assessed Midlake near SH 155 7,373 Orthophosphorus 2002 0 Not Assessed Upper midlake near Tyler PWS intake 3.686.5 6 2002 Orthophosphorus Upper midlake/ Big Eddy Bay 0 Not Assessed 3,686.5 4

Headwaters (Neches River arm)

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4

8

1,046

(-data from 03/01/1998 to 02/28/2003)

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

Reservoir **Neches River Basin** Total size: 25,560 Acres Status of Use # of Assessment Location # of Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Nutrient Enrichment Concern** (continued) 2002 Total Phosphorus 5 Not Assessed Indian Creek Cove 348 6 2002 **Total Phosphorus** 0 No Concern Lower portion of reservoir near dam 7,373 10 2002 **Total Phosphorus** No Concern Midlake near SH 155 1 7,373 10 2002 **Total Phosphorus** Not Assessed Upper midlake near Tyler PWS intake 3.686.5 6 2002 **Total Phosphorus** Upper midlake/ Big Eddy Bay 0 Not Assessed 3,686.5 4 2002 Overall Nutrient Enrichment Not Assessed Headwaters (Kickapoo Creek arm) 2,047 Concerns 2002 Overall Nutrient Enrichment Concern Headwaters (Neches River arm) 1.046 Concerns 2002 Overall Nutrient Enrichment Not Assessed Indian Creek Cove 348 Concerns 2002 Overall Nutrient Enrichment No Concern Lower portion of reservoir near dam 7,373 Concerns 2002 Overall Nutrient Enrichment Midlake near SH 155 No Concern 7,373 Concerns 2002 Overall Nutrient Enrichment Not Assessed Upper midlake near Tyler PWS intake 3,686.5 Concerns 2002 Overall Nutrient Enrichment Not Assessed Upper midlake/ Big Eddy Bay 3,686.5 Concerns **Algal Growth Concern** 2002 Chlorophyll a Not Assessed Headwaters (Kickapoo Creek arm) 2,047 2002 0 Chlorophyll a Not Assessed Headwaters (Neches River arm) 1.046 2 2002 0 Chlorophyll a Not Assessed Indian Creek Cove 348 6 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 2 10 2002 Chlorophyll a Not Assessed Upper midlake near Tyler PWS intake 3,686.5 1 6 2002 0 Chlorophyll a Upper midlake/ Big Eddy Bay Not Assessed 3,686.5 4

Segment ID: 0605 **Water boo**

Reserve	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Con	taminants 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			

Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
h Tissue Co	ontaminants 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			
olic Water S	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			

Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water S	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			

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 0605

Water body name: Lake Palestine

Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water S	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

Reserve	oir	Neches Rive	er Basin Total size:		25,560	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
ublic Water S	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:	La	ke	Pales	tine
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Reservo	oir	Neches Rive	r Basin Total size:		25,560	Acres	-
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water S	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 Crit	teria 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 Secon	dary Concern	L	<u>I</u>	<u>I</u>			1
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			

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 0605

Water body name: Lake Palestine

Reservoir Neches River Basin Total size: 25,560 Acres

Assessment		Status of Use		Location	# of	# of	1
Year Ass	sessment Method	Support or Concern	Location	size	samples	exceedances	Mean

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Overall Secondary Concern (continued)

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