2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

Report Abbreviations	Description:
SEGID:	Unique Segment identification alpha-numeric code; can be stream, reservoir, estuary, oyster waters, beach watch, etc.
AUID:	Unique Assessment Unit code; this is a portion of the segment the AUID begins with and ends with _01, _02, etc. Some AUIDs are special units ending in "SA," or oyster water AUIDs are indicated by "OW" and beach watch AUIDs are indicated by abbreviations for name of beach in AUID.
ASMT Start Date:	The start date of the period of record data for this method was selected; the official 2014 period of record is from 12/1/2005 to 11/30/2012. Assessors have the option of going back 10 years (12/1/2002) to select more data, according to assessment guidance.
ASMT End Date	The end date of the period of record data for this method was selected; the official 2014 period of record dates are 12/1/2005 to 11/30/2012. Assessors have the option of including more recently collected data than 12/01/2012, if available.
# Assd:	Number of samples assessed; some data are averaged, as with profile data, some are eliminated because criteria do not apply during certain conditions such as low flow.
Mean Assd:	Mean of samples assessed; includes averaged methods like chronic criteria as well as geometric mean calculati ons for bacteria.
# Exceed:	The number of samples that exceed criteria for single sample, or binomial, methods (not averaged data).
Mean Exceed:	This is the mean of the samples that exceeded criteria for the single sample, or binomial, methods (not avera ged data).
Criteria:	Value that the data is compared against to determine level of support; Note: for acute metals in water, each value is compare d to a calculated criteria and not all criteria could be reported here, only the minimum in the range of criteria calculated are included.
DS Qual:	*Dataset Qualifier - indicates sample sizes:* **AD** = Adequate Data (10 or more samples) **LD** = Limited Data (less than 9, greater than 3) **ID** = Inadequate Data (less than 4) **JQ** = Level of support is based on judgment of the assessor **SM** = This assessment method is superseded by another method **TR** = Temporally Not Representative, used with NA **SR** = Spatially Not Representative, used with NA **OE** = Other information than ambient samples evaluated **OS** = Assessment area outside state boundaries
LOS:	*Level of support for this use, method, assessment parameter:* **FS** = Fully Supporting **NC** = No Concern **NA** = Not Assessed **NS** = Nonsupport **CS** = Screening Level Concern **CN** = Use Concern
CF:	Carry forward indicator check box: indicates that the Integrated level of support of CS, CN, or NS was carried forward from a previ ous assessment due to inadequate data for this method in this assessment.
Int LOS:	Integrated level of support. This is the overall level of support for this use, method, parameter group, which could be different from the LOS (described above) due to car ry forward information or other types of changes. New Code added in 2010: PI = Pending Issue
TCEQ Cause	This is the impairment description (e.g., bacteria, depressed dissolved oxygen, etc.)
Cat:	*This is the assessment category assigned to this impairment. Subcategories as follows:* **Category 4**: Standard is not attained or nonattainment is predicted in the near future due to one or more parameters, but no TMDLs are required. **4a** - All TMDLs have been completed and approved by EPA. **4b** - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. **4c** - Nonattainment of the standard for one or more parameters is shown to be caused by pollution, not by pollutants and that the w ater quality conditions cannot be changed by the allocation and control of pollutants through the TMDL process. **Category 5**: Standard is not attained or nonattainment is predicted in the near future for one or more parameters. **5a** - TMDLs are underway, scheduled, or may be scheduled for one or more parameters. **5b** - review of the standards for one or more parameters will be conducted before a management strategy is selected, including a possible revision to the water quality standards. **5c** - Additional data or information will be collected and/or evaluated for one or more parameters before a management strategy is selected.

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SEGID 0601 Neches River Tidal

AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4		0		0.03	LD	NC	☐	NC		
Acute Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	3		0		0.82	ID	NA	☐	NA		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4		0		259.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	4		0		15.10	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4		0		0.03	LD	NC	☐	NC		
Acute Toxic Substances in water	DDT	12/1/2005	11/30/2012	3		0		0.13	ID	NA	☐	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	4		0		0.21	LD	NC	☐	NC		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	4		0		0.16	LD	NC	☐	NC		
Acute Toxic Substances in water	Carbaryl (Sevin)	12/1/2005	11/30/2012	2		0		613.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	4		0		0.03	LD	NC	☐	NC		
Acute Toxic Substances in water	Aldrin	12/1/2005	11/30/2012	3		0		1.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4		0		7.70	LD	NC	☐	NC		
Acute Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	4		0		0.09	LD	NC	☐	NC		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	4		0		0.01	LD	NC	☐	NC		
Acute Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4		0		0.71	LD	NC	☐	NC		
Acute Toxic Substances in water	Endrin	12/1/2005	11/30/2012	4		0		0.04	LD	NC	☐	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	4		0		0.05	LD	NC	☐	NC		

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AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Mirex	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4	2.94	0		12.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	4	3.20	0		9.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	DDT	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4	2.30	0		4.60	LD	NC	☐	NC		
Chronic Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	3	0.25	0		0.82	ID	NA	☐	NA		
Chronic Toxic Substances in water	Malathion	12/1/2005	11/30/2012	17	0.06	1	0.96	0.01	JQ	NS	☐	CN	malathion in water	
Chronic Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Guthion	12/1/2005	11/30/2012	4	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Demeton	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2005	11/30/2012	4	0.02	0		0.03	LD	NC	☐	NC		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		0.99	LD	NC	☐	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2005	11/30/2012	3		0		272,060.00	ID	NA	☐	NA		

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AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Ethylbenzene	12/1/2005	11/30/2012	5		0		3,930.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2005	11/30/2012	5		0		25,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2005	11/30/2012	5		0		19,870.00	LD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2005	11/30/2012	5		0		37,330.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2005	11/30/2012	5		0		45,010.00	LD	NC	☐	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2005	11/30/2012	5		0		22,910.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2005	11/30/2012	5		0		4.77	LD	NC	☐	NC		
Toxic Substances in sediment	Bromoform	12/1/2005	11/30/2012	5		0		10,670.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2005	11/30/2012	5		0		1,950.00	LD	NC	☐	NC		
Toxic Substances in sediment	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	5		0		2,647.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2005	11/30/2012	3		0		1,003,360.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2005	11/30/2012	5		0		161.06	LD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2005	11/30/2012	3		0		22,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2005	11/30/2012	5		0		3,690.00	LD	NC	☐	NC		
Toxic Substances in sediment	Toluene	12/1/2005	11/30/2012	5		0		5,660.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2005	11/30/2012	4		0		2,320.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2005	11/30/2012	5		0		15,830.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2005	11/30/2012	5		0		1,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2005	11/30/2012	5		0		7,470.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2005	11/30/2012	5		0		374.00	LD	NC	☐	NC		

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AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Chloroform	12/1/2005	11/30/2012	5		0		25.80	LD	NC	☐	NC		
Toxic Substances in sediment	2-Methylnaphthalene	12/1/2005	11/30/2012	3		0		670.00	ID	NA	☐	NA		
Toxic Substances in sediment	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,440.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	27		0		410.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chloromethane	12/1/2005	11/30/2012	5		0		52,430.00	LD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2005	11/30/2012	5		0		18,590.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2005	11/30/2012	5		0		4.30	LD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,210.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2005	11/30/2012	5		0		500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2005	11/30/2012	5		0		640.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2005	11/30/2012	5		0		1,040.00	LD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2005	11/30/2012	5		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	27		0		70.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	27		0		9.60	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2005	11/30/2012	5		0		4.79	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	27		0		370.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	27		0		270.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chrysene	12/1/2005	11/30/2012	5		0		2,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2005	11/30/2012	5		0		260.00	LD	NC	☐	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2005	11/30/2012	5		0		8,820.00	LD	NC	☐	NC		

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AUID 0601_01 — Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Fluoranthene	12/1/2005	11/30/2012	5		0		5,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2005	11/30/2012	5		0		540.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	5		0		12.76	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2005	11/30/2012	5		0		13,770.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	27		0		218.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	26		0		0.71	AD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2005	11/30/2012	5		0		2,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	27		0		51.60	AD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2005	11/30/2012	5		0		180.00	LD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2005	11/30/2012	5		0		1,500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2005	11/30/2012	5		0		2,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	27		0		3.70	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2005	11/30/2012	5		0		7.81	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2005	11/30/2012	27	107.14	1		35.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		1.10	AD	NC	☐	NC		

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AUID 0601_01 — Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	22		0		0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	23		0		21.00	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5c
HH Bioaccumulative Toxics in water	Ethylbenzene	12/1/2005	11/30/2012	4	2.50	0		7,143.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2-Dibromoethane	12/1/2005	11/30/2012	4	1.07	0		2.13	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chloroform	12/1/2005	11/30/2012	4	2.50	0		7,143.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,2-Trichloroethane	12/1/2005	11/30/2012	4	2.50	0		295.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,1-Trichloroethane	12/1/2005	11/30/2012	4	2.50	0		956,663.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Bromoform	12/1/2005	11/30/2012	4	2.50	0		2,175.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Tetrachloroethene	12/1/2005	11/30/2012	4	2.50	0		49.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Cresols	12/1/2005	11/30/2012	3	5.32	0		1,981.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2005	11/30/2012	3	2.66	0		463.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2005	11/30/2012	4	1.05	0		2.10	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2-Dichloropropane	12/1/2005	11/30/2012	4	2.50	0		226.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1-Dichloroethylene	12/1/2005	11/30/2012	4	2.50	0		23,916.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,1,2,2-Tetrachloroethane	12/1/2005	11/30/2012	4	2.50	0		76.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Dibromochloromethane	12/1/2005	11/30/2012	3	2.50	0		239.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2-Dichloroethane	12/1/2005	11/30/2012	4	2.50	0		553.00	LD	NC	☐	NC		

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AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Methyl ethyl ketone	12/1/2005	11/30/2012	4	10.00	0		1,500,000.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Vinyl chloride	12/1/2005	11/30/2012	4	2.50	0		24.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	4	2.10	0		4.20	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2005	11/30/2012	4	0.50	0		1.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Silvex	12/1/2005	11/30/2012	3	0.26	0		7.60	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2005	11/30/2012	2	2.68	0		2,014.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	3	2.63	0		5.27	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2005	11/30/2012	3	2.66	0		1,445.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2005	11/30/2012	3	2.66	0		4,336.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	4	0.22	0		0.44	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Dichloromethane	12/1/2005	11/30/2012	4	2.50	0		5,926.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2005	11/30/2012	3	2.66	0		571.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorophene	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2005	11/30/2012	4	0.06	0		0.33	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chlorobenzene	12/1/2005	11/30/2012	4	2.50	0		5,201.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Acrylonitrile	12/1/2005	11/30/2012	4	1.90	0		3.80	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2005	11/30/2012	3	0.27	0		0.54	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2005	11/30/2012	4	0.17	0		0.33	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		

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AUID 0601_01 Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chrysene	12/1/2005	11/30/2012	4	2.67	0		327.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2005	11/30/2012	4	0.05	0		0.20	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	4	0.36	0		0.71	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2005	11/30/2012	4	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Carbon tetrachloride	12/1/2005	11/30/2012	4	2.50	0		29.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Bromodichloromethane	12/1/2005	11/30/2012	4	2.50	0		322.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzene	12/1/2005	11/30/2012	4	2.50	0		513.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4	2.94	0		2,435.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	4	3.20	0		57.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	3	2.66	0		274.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2005	11/30/2012	4	2.67	0		3,010.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2005	11/30/2012	3	2.66	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	4	0.09	0		6.20	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	beta-BHC	12/1/2005	11/30/2012	4	0.06	0		0.33	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	alpha-BHC	12/1/2005	11/30/2012	4	0.03	0		0.09	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	4	2.67	0		41.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Trichloroethene	12/1/2005	11/30/2012	4	2.50	0		649.00	LD	NC	☐	NC		

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AUID **0601_01** Lower boundary to top of first oxbow, above Bird Island Bayou confluence at NHD RC 12020003000004

USE **Fish Consumption Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	4	0.04	0		0.08	LD	NC	☐	NC		

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AUID 0601_02 Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		1	1.27	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		1	1.27	2.00	AD	FS	☐	FS		
Toxic Substances in sediment	Nitrobenzene	12/1/2005	11/30/2012	5		0		161.06	LD	NC	☐	NC		
Toxic Substances in sediment	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	5		0		2,647.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2005	11/30/2012	5		0		1,950.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		0.99	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2005	11/30/2012	5		0		4.77	LD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2005	11/30/2012	3		0		1,003,360.00	ID	NA	☐	NA		
Toxic Substances in sediment	Hexachloroethane	12/1/2005	11/30/2012	5		0		13,770.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2005	11/30/2012	5		0		45,010.00	LD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2005	11/30/2012	5		0		37,330.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2005	11/30/2012	5		0		19,870.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2005	11/30/2012	5		0		25,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Ethylbenzene	12/1/2005	11/30/2012	5		0		3,930.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	27		0		410.00	AD	NC	☐	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2005	11/30/2012	5		0		22,910.00	LD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2005	11/30/2012	3		0		22,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2005	11/30/2012	5		0		3,690.00	LD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2005	11/30/2012	5		0		18,590.00	LD	NC	☐	NC		
Toxic Substances in sediment	Toluene	12/1/2005	11/30/2012	5		0		5,660.00	LD	NC	☐	NC		

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AUID 0601_02 — Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Bromoform	12/1/2005	11/30/2012	5		0		10,670.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2005	11/30/2012	4		0		2,320.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2005	11/30/2012	5		0		15,830.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2005	11/30/2012	5		0		1,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2005	11/30/2012	5		0		7,470.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2005	11/30/2012	5		0		374.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chloroform	12/1/2005	11/30/2012	5		0		25.80	LD	NC	☐	NC		
Toxic Substances in sediment	2-Methylnaphthalene	12/1/2005	11/30/2012	3		0		670.00	ID	NA	☐	NA		
Toxic Substances in sediment	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,440.00	LD	NC	☐	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2005	11/30/2012	3		0		272,060.00	ID	NA	☐	NA		
Toxic Substances in sediment	Chrysene	12/1/2005	11/30/2012	5		0		2,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	26		0		0.71	AD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,210.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2005	11/30/2012	5		0		500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2005	11/30/2012	5		0		640.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2005	11/30/2012	5		0		1,040.00	LD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2005	11/30/2012	5		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	27		0		70.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	27		0		9.60	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2005	11/30/2012	5		0		4.79	LD	NC	☐	NC		

AUID 0601_02 — Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	27		0		370.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	27		0		270.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2005	11/30/2012	5		0		7.81	LD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2005	11/30/2012	5		0		2,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	27		0		3.70	AD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2005	11/30/2012	5		0		2,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2005	11/30/2012	5		0		1,500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chloromethane	12/1/2005	11/30/2012	5		0		52,430.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	27		0		51.60	AD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2005	11/30/2012	5		0		260.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	27		0		218.00	AD	NC	☐	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2005	11/30/2012	5		0		8,820.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	5		0		12.76	LD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2005	11/30/2012	5		0		540.00	LD	NC	☐	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2005	11/30/2012	5		0		5,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2005	11/30/2012	5		0		4.30	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2005	11/30/2012	5		0		180.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2005	11/30/2012	27	116.39	1		35.00	AD	NS	☐	NS	bacteria	5c

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AUID **0601_02** Top of first oxbow to top of U.S. Nat'l Defense Reserve Fleet Basin at top of NHD RC 12020003008459

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		0		21.00	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.66	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5c

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AUID 0601_03 Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		1	2.9	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		2.00	AD	FS	☐	FS		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Ethylbenzene	12/1/2005	11/30/2012	5		0		3,930.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2005	11/30/2012	5		0		25,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2005	11/30/2012	5		0		19,870.00	LD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2005	11/30/2012	5		0		37,330.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2005	11/30/2012	5		0		45,010.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2005	11/30/2012	3		0		1,003,360.00	ID	NA	☐	NA		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2005	11/30/2012	3		0		272,060.00	ID	NA	☐	NA		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		0.99	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2005	11/30/2012	5		0		3,690.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2005	11/30/2012	5		0		1,950.00	LD	NC	☐	NC		
Toxic Substances in sediment	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	5		0		2,647.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	27		0		410.00	AD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2005	11/30/2012	5		0		4.77	LD	NC	☐	NC		
Toxic Substances in sediment	Methylene chloride	12/1/2005	11/30/2012	5		0		22,910.00	LD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2005	11/30/2012	3		0		22,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Trichloroethene	12/1/2005	11/30/2012	5		0		8,820.00	LD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2005	11/30/2012	5		0		18,590.00	LD	NC	☐	NC		
Toxic Substances in sediment	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,440.00	LD	NC	☐	NC		

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AUID 0601_03 — Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Bromoform	12/1/2005	11/30/2012	5		0		10,670.00	LD	NC	☐	NC		
Toxic Substances in sediment	Toluene	12/1/2005	11/30/2012	5		0		5,660.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2005	11/30/2012	5		0		15,830.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2005	11/30/2012	5		0		1,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2005	11/30/2012	5		0		7,470.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2005	11/30/2012	5		0		374.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chloroform	12/1/2005	11/30/2012	5		0		25.80	LD	NC	☐	NC		
Toxic Substances in sediment	2-Methylnaphthalene	12/1/2005	11/30/2012	3		0		670.00	ID	NA	☐	NA		
Toxic Substances in sediment	Nitrobenzene	12/1/2005	11/30/2012	5		0		161.06	LD	NC	☐	NC		
Toxic Substances in sediment	Chrysene	12/1/2005	11/30/2012	5		0		2,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	27		0		3.70	AD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2005	11/30/2012	4		0		2,320.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,210.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2005	11/30/2012	5		0		500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2005	11/30/2012	5		0		640.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2005	11/30/2012	5		0		1,040.00	LD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2005	11/30/2012	5		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	27		0		70.00	AD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	27		0		9.60	AD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2005	11/30/2012	5		0		4.79	LD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0601_03** Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	27		0		370.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	27		0		270.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	27		0		218.00	AD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2005	11/30/2012	5		0		2,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2005	11/30/2012	5		0		1,500.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2005	11/30/2012	5		0		180.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	27		0		51.60	AD	NC	☐	NC		
Toxic Substances in sediment	Chloromethane	12/1/2005	11/30/2012	5		0		52,430.00	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	26		0		0.71	AD	NC	☐	NC		
Toxic Substances in sediment	DDD	12/1/2005	11/30/2012	5		0		7.81	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2005	11/30/2012	5		0		13,770.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	5		0		12.76	LD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2005	11/30/2012	5		0		540.00	LD	NC	☐	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2005	11/30/2012	5		0		5,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2005	11/30/2012	5		0		4.30	LD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2005	11/30/2012	5		0		260.00	LD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2005	11/30/2012	5		0		2,100.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2005	11/30/2012	27	123.72	1		35.00	AD	NS	☐	NS	bacteria	5c

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AUID **0601_03** Top of U.S. Nat'l Defense Reserve Fleet Basin to top of last oxbow below Kansas City Southern Railroad bridge 0.44km upstream of NHD RC 12020003000013

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		1	4	6.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		0		21.00	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		1	1.31	1.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.66	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5c

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AUID 0601_04 — Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	36		2	2.5	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	36		0		2.00	AD	FS	☐	FS		
Toxic Substances in sediment	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		0.99	LD	NC	☐	NC		
Toxic Substances in sediment	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,440.00	LD	NC	☐	NC		
Toxic Substances in sediment	4-Methyl-2-Pentanone (MIBK)	12/1/2005	11/30/2012	3		0		272,060.00	ID	NA	☐	NA		
Toxic Substances in sediment	Ethylbenzene	12/1/2005	11/30/2012	5		0		3,930.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2-Dichloroethane	12/1/2005	11/30/2012	5		0		25,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chlorobenzene	12/1/2005	11/30/2012	5		0		19,870.00	LD	NC	☐	NC		
Toxic Substances in sediment	Carbon tetrachloride	12/1/2005	11/30/2012	5		0		37,330.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzene	12/1/2005	11/30/2012	5		0		45,010.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDT	12/1/2005	11/30/2012	5		0		4.77	LD	NC	☐	NC		
Toxic Substances in sediment	Styrene	12/1/2005	11/30/2012	3		0		22,310.00	ID	NA	☐	NA		
Toxic Substances in sediment	Benz(a)anthracene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,3-Dichlorobenzene	12/1/2005	11/30/2012	5		0		1,950.00	LD	NC	☐	NC		
Toxic Substances in sediment	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	5		0		2,647.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acetone	12/1/2005	11/30/2012	3		0		1,003,360.00	ID	NA	☐	NA		
Toxic Substances in sediment	Methylene chloride	12/1/2005	11/30/2012	5		0		22,910.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nitrobenzene	12/1/2005	11/30/2012	5		0		161.06	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	27		0		410.00	AD	NC	☐	NC		
Toxic Substances in sediment	1,1,2,2-Tetrachloroethane	12/1/2005	11/30/2012	5		0		3,690.00	LD	NC	☐	NC		
Toxic Substances in sediment	Tetrachloroethene	12/1/2005	11/30/2012	5		0		18,590.00	LD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0601_04 — Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Toluene	12/1/2005	11/30/2012	5		0		5,660.00	LD	NC	☐	NC		
Toxic Substances in sediment	Bromoform	12/1/2005	11/30/2012	5		0		10,670.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,2,4-Trichlorobenzene	12/1/2005	11/30/2012	4		0		2,320.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,1-Trichloroethane	12/1/2005	11/30/2012	5		0		15,830.00	LD	NC	☐	NC		
Toxic Substances in sediment	1,1,2-Trichloroethane	12/1/2005	11/30/2012	5		0		1,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Xylene	12/1/2005	11/30/2012	5		0		7,470.00	LD	NC	☐	NC		
Toxic Substances in sediment	DDE	12/1/2005	11/30/2012	5		0		374.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chloroform	12/1/2005	11/30/2012	5		0		25.80	LD	NC	☐	NC		
Toxic Substances in sediment	2-Methylnaphthalene	12/1/2005	11/30/2012	3		0		670.00	ID	NA	☐	NA		
Toxic Substances in sediment	DDD	12/1/2005	11/30/2012	5		0		7.81	LD	NC	☐	NC		
Toxic Substances in sediment	Chlordane	12/1/2005	11/30/2012	5		0		4.79	LD	NC	☐	NC		
Toxic Substances in sediment	1,4-Dichlorobenzene	12/1/2005	11/30/2012	5		0		4,210.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthene	12/1/2005	11/30/2012	5		0		500.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acenaphthylene	12/1/2005	11/30/2012	5		0		640.00	LD	NC	☐	NC		
Toxic Substances in sediment	Acrylonitrile	12/1/2005	11/30/2012	5		0		1,040.00	LD	NC	☐	NC		
Toxic Substances in sediment	Anthracene	12/1/2005	11/30/2012	5		0		1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	27		0		70.00	AD	NC	☐	NC		
Toxic Substances in sediment	Dieldrin	12/1/2005	11/30/2012	5		0		4.30	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	27		0		9.60	AD	NC	☐	NC		
Toxic Substances in sediment	Trichloroethene	12/1/2005	11/30/2012	5		0		8,820.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chloromethane	12/1/2005	11/30/2012	5		0		52,430.00	LD	NC	☐	NC		

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AUID 0601_04 — Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	27		0		370.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chrysene	12/1/2005	11/30/2012	5		0		2,800.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	27		0		270.00	AD	NC	☐	NC		
Toxic Substances in sediment	Pyrene	12/1/2005	11/30/2012	5		0		2,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		1,600.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	27		0		3.70	AD	NC	☐	NC		
Toxic Substances in sediment	Dibenz(a,h)anthracene	12/1/2005	11/30/2012	5		0		260.00	LD	NC	☐	NC		
Toxic Substances in sediment	Phenanthrene	12/1/2005	11/30/2012	5		0		1,500.00	LD	NC	☐	NC		
Toxic Substances in sediment	PCBs	12/1/2005	11/30/2012	5		0		180.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	27		0		51.60	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	25		0		0.71	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	27		0		218.00	AD	NC	☐	NC		
Toxic Substances in sediment	Hexachloroethane	12/1/2005	11/30/2012	5		0		13,770.00	LD	NC	☐	NC		
Toxic Substances in sediment	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	5		0		12.76	LD	NC	☐	NC		
Toxic Substances in sediment	Fluorene	12/1/2005	11/30/2012	5		0		540.00	LD	NC	☐	NC		
Toxic Substances in sediment	Fluoranthene	12/1/2005	11/30/2012	5		0		5,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Naphthalene	12/1/2005	11/30/2012	5		0		2,100.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2005	11/30/2012	34	71.57	1		35.00	AD	NS	☐	NS	bacteria	5c

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AUID 0601_04 — Top of last oxbow below Kansas City Southern Railroad bridge to saltwater barrier at NHD RC 12020003000017

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	37		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	37		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	37		0		6.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	34		0		1.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	33		0		0.46	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	30		0		0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		1	25.9	21.00	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	PCBs in edible tissue	5c

SEGID 0601A Star Lake Canal

AUID 0601A_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		2	3.37	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	4		1	3.2	4.00	LD	NC	☐	NC		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	4		1	2.2	3.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Malathion	12/1/2005	11/30/2012	10	0.06	1	0.51	0.01	JQ	NS	☐	CN	malathion in water	
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	27		0		410.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	26		0		70.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	27		0		9.60	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	27		0		370.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	27		0		270.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	27		0		218.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	22		0		0.71	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	27		0		51.60	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	27		0		3.70	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	Enterococcus	12/1/2005	11/30/2012	27	352.05	1		35.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	23		5	1.37	0.46	AD	NC	☐	NC		

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AUID **0601A_01** Entire water body

USE **General Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.66	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		4	28	21.00	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		1	1.64	1.10	AD	NC	☐	NC		

SEGID 0602 Neches River Below B. A. Steinhagen Lake

AUID 0602_01 — From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		19.61	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		46.98	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		187.97	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		235.49	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	2		2	1161.5	991.00	ID	NS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		5.14	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	1.70	0		17.18	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.20	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.60	1		0.59	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.77	0		3.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	1.17	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.07	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	4.10	0		38.96	ID	NA	☐	NA		

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AUID 0602_01 — From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	12.36	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		1	33.1	32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	86	101.63	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	84	15.70	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	84	21.80	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	1.17	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.60	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	1.70	0		332.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

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AUID **0602_01** From the saltwater barrier upstream to confluence with Village Creek 0608 at NHD RC 12020003000025

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	11	0.22	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	11	0.18	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	63	0.05	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	11	2.13	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	11		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	6	57.22	0		2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	11	1.48	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	11	0.47	0		1.15	AD	FS	☐	FS		

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AUID 0602_02 — From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	34		5	4.3	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	34		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	11		0		20.53	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	11		0		5.34	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11		0		48.64	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11		0		243.56	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11		0		3.13	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	11		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11		0		194.63	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11	2.00	0		38.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11	2.50	0		17.18	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	11	0.11	0		0.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		25.36	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11	3.36	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	11	1.31	0		3.09	AD	FS	☐	FS		

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AUID 0602_02 — From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	26	22.59	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	31		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	31		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	31		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	84	21.80	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	86	101.63	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	84	15.70	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	24		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		6	17.62	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	5	2.00	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	5	0.32	0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	5	2.50	0		332.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	5	0.42	0		5.00	LD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012					0.53	ID	NA	☑	CS	mercury in edible tissue	

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AUID **0602_02** From the confluence with Village Creek 0608 upstream to the confluence with Black Branch NHD RC 12020003000695

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	11	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	11	0.18	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	63	0.05	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	11	0.47	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	11	0.22	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	6		0		2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	11	1.48	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	11	2.13	0		332.00	AD	FS	☐	FS		

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AUID 0602_03 — From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		24.82	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		56.19	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		224.77	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		279.99	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		3.69	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	2		1	1083	991.00	ID	NS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		6.27	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.20	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	0.97	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.80	0		3.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.60	1		0.59	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	1.93	0		17.18	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.17	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	2.63	0		38.96	ID	NA	☐	NA		

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AUID 0602_03 — From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	10.33	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	86	101.63	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	84	15.70	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	84	21.80	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	1.93	0		332.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.60	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	0.97	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		5.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

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AUID **0602_03** From the confluence with Black Branch upstream to confluence with unnamed tributary at NHD RC 12020003000058

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	63	0.05	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	11	0.18	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	11	2.13	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	11	0.47	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	11		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	11	0.22	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	6	57.22	0		2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	11	1.48	0		10.00	AD	FS	☐	FS		

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AUID 0602_04 — From the confluence with unnamed tributary at NHD RC 12020003000058 upstream to Town Bluff Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	84	15.70			50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	84	21.80			50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	86	101.63			200.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	11		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	11		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	11		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	11		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	6		0		2,000.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	11		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	63		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	11		0		4.00	AD	FS	☐	FS		

SEGID 0603 B. A. Steinhagen Lake

AUID 0603_01 Main pool by dam to include all the area below the US HWY 190 bridge

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	7.82	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		1	34.8	33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		1	8.6	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	28	116.34	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	28	17.43	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	28	20.86	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		1	0.36	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c

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AUID 0603_01 Main pool by dam to include all the area below the US HWY 190 bridge

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	28	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	27	0.04	0		10.00	AD	FS	☐	FS		

AUID 0603_02 Area above the US HWY 190 bridge to the upper boundaries of the segment at points immediately upstream of confluences Hopson Mill Creek (Neches Arm) and Indian Creek (Angelina Arm)

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	28	17.43			50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	28	20.86			50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	28	116.34			200.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	28		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	27		0		10.00	AD	FS	☐	FS		

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SEGID 0603A Sandy Creek in Jasper County

AUID 0603A_01 From the confluence with B.A. Steinhagen Lake upstream to confluence with Little Sandy Creek about 0.5 km downstream of Hwy 776, per WQS App. D

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14		0		1.26	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14		0		22.15	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14		0		88.73	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	14		0		7.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14		0		113.86	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	13		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		0		10.40	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	14	0.18	0		0.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.12	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14	4.53	0		38.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14	2.07	0		17.18	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14	1.68	0		25.36	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14	1.05	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	1.12	0		14.44	AD	FS	☐	FS		

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AUID **0603A_01** From the confluence with B.A. Steinhagen Lake upstream to confluence with Little Sandy Creek about 0.5 km downstream of Hwy 776, per WQS App. D

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	154.08	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	14	1.68	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	14	0.21	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	14	2.07	0		1,140.00	AD	FS	☐	FS		

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SEGID 0603B Wolf Creek

AUID 0603B_01 From the confluence of B.A. Steinhagen Lake upstream to Lake Amanda Dam.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		1.44	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		127.02	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		2.53	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		8.38	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		99.35	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		24.80	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	2		0		991.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	2.30	0		38.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.08	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	0.50	0		17.18	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	0.50	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.27	0		3.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	0.50	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.23	0		0.59	ID	NA	☐	NA		

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AUID **0603B_01** From the confluence of B.A. Steinhagen Lake upstream to Lake Amanda Dam.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	207.32	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	0.50	0		1,140.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	0.50	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.23	0		3.83	ID	NA	☐	NA		

SEGID 0604 Neches River Below Lake Palestine

AUID 0604_01 Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	46		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	46		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	2		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	2		0		2.66	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	2		0		212.55	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	2		1	10.1	4.57	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	2		0		17.04	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	2		0		169.09	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	2		0		42.25	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	2	0.26	0		0.81	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	2	3.22	0		21.91	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	2	5.40	0		49.71	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	2	0.16	0		32.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	2	1.04	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	2	0.02	0		0.12	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	2	6.40	1		3.96	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	35.57	0		126.00	AD	FS	☐	FS		

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AUID **0604_01** Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	50		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	48		1	8.7	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	48		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	180	153.92	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	164	25.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	166	26.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	37		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	37		7	0.93	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		2	1.6	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		6	19.57	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	1	0.42	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	1	3.90	0		332.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	1	0.02	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2005	11/30/2012	1	0.05	0		6.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	1	0.24	0		62.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		

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AUID **0604_01** Lower boundary to a point immediately upstream of confluence of Biloxi Creek 0604M at NHD RC 12020002001061

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	3	1.20	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2005	11/30/2012	1	0.05	0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	136	0.17	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	3	2.97	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	7	0.14	0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	115		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	1	52.00	0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	3	0.04	0		5.00	ID	NA	☐	NA		

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AUID 0604_02 — From the confluence of Biloxi Creek (0604M) upstream to the upper confluence of Old River at NHD RC 12020002000037

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		2	4.29	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	50.50	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	164	25.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	166	26.46	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	180	153.92	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		6	19.78	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	3		0		5.00	ID	NA	☐	NA		

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AUID 0604_02 — From the confluence of Biloxi Creek (0604M) upstream to the upper confluence of Old River at NHD RC 12020002000037

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Antimony	12/1/2005	11/30/2012	1		0		6.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	7		0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3		0		332.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	115	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	136	0.17	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	3		0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	1		0		2,000.00	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0604_03 — From the upper confluence of Old River upstream to the confluence with Cedar Creek in Cherokee County at NHD RC 12020002000085 near Hargrove Lake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		1	4.63	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	60.78	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	180	153.92	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	164	25.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	166	26.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		6	22.27	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	24		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	3		0		5.00	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0604_03 — From the upper confluence of Old River upstream to the confluence with Cedar Creek in Cherokee County at NHD RC 12020002000085 near Hargrove Lake

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	7		0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3		0		332.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Antimony	12/1/2005	11/30/2012	1		0		6.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	3		0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	1		0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	115	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	136	0.17	0		10.00	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0604_04** From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC 12020001006717

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		2	4.45	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	2		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		61.84	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	2		0		247.36	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	6		0		28.16	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	2		0		6.98	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	2		0		4.12	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	2		0		307.19	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	2	2.50	0		21.91	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	2	1.25	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	2	0.05	0		0.12	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	2	2.00	0		32.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	2	2.56	0		3.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	2.00	0		49.71	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	6	0.09	0		0.81	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	24	101.12	0		126.00	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0604_04** From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC 12020001006717

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	26		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	24		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	24		1	5.9	6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	180	153.92	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	164	25.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	166	26.46	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		9	22.37	14.10	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	2	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	2	2.50	0		332.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	2	2.00	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	6	0.09	0		1.15	LD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0604_04** From the confluence with Cedar Creek in Cherokee County near Hargrove lake upstream to the confluence with Beech Creek in Anderson County at NHD RC 12020001006717

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	3	2.97	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	1		0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Antimony	12/1/2005	11/30/2012	1		0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	136	0.17	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	3	1.20	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	3	0.04	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	115	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	7	0.14	0		1.15	LD	NC	☐	NC		

AUID 0604_05 — From the confluence with Beech Creek in Anderson County upstream to the Blackburn Crossing Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	50		4	4.3	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	50		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	20		2	4.4	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	20		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	51	80.85	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	50		0		32.80	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	48		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	48		2	5.7	6.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	164	25.03	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	166	26.46	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	180	153.92	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	47		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	47		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	41		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	42		29	23.74	14.10	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		

AUID 0604_05 From the confluence with Beech Creek in Anderson County upstream to the Blackburn Crossing Dam

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	7		0		1.15	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Antimony	12/1/2005	11/30/2012	1		0		6.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	3		0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	115	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	3		0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	1		0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	3		0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	136	0.17	0		10.00	AD	FS	☐	FS		

SEGID 0604A Cedar Creek

AUID 0604A_02 — From the confluence with Jack Creek (0604C) upstream to confluence with unnamed tributary adjacent to State Loop 287, per App. D in WQS, at NHD RC 12020002000436

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	53		5	2.76	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	53		2	1.6	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		8.19	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		285.77	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		34.02	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		353.25	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		4.86	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	3		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		71.46	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.32	0		0.81	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	18.63	0		49.71	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		21.91	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		32.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.08	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	3.38	0		3.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.06	0		0.12	ID	NA	☐	NA		

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AUID **0604A_02** From the confluence with Jack Creek (0604C) upstream to confluence with unnamed tributary adjacent to State Loop 287, per App. D in WQS, at NHD RC 12020002000436

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	52	134.38	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	56		2	21.75	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	56		25	12.02	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	56		16	0.88	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	56		27	3.34	0.69	AD	CS	☐	CS	total phosphorus	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		1,140.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.38	0		3.83	ID	NA	☐	NA		

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SEGID 0604B Hurricane Creek

AUID 0604B_01 — From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 100m above State Loop 287 in Lufkin, per WQS App. D, at NHD RC 12020002000043

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		3	3.63	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		56.67	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		105.87	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		423.11	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	3		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		7.64	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		516.52	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		12.69	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.79	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.06	0		0.12	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		32.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	1.85	0		3.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.28	0		0.81	ID	NA	☑	PI	lead in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		21.91	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	4.29	0		49.71	ID	NA	☐	NA		

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AUID **0604B_01** From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 100m above State Loop 287 in Lufkin, per WQS App. D, at NHD RC 12020002000043

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	222.65	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		2	27.7	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		8	0.83	0.33	AD	CS	☐	CS	ammonia	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.34	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		1,140.00	ID	NA	☐	NA		

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SEGID 0604C Jack Creek

AUID 0604C_01 — From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 1.6km SW of US Hwy 69 NW of Lufkin at NHD RC 12020002012470.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	31		9	4.21	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	31		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	12		0		15.03	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	12		0		38.42	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	8		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	12		0		153.80	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	12		0		193.92	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	12		0		2.38	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	12		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	12		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	10		0		4.11	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	10	1.96	0		3.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	12	4.36	0		49.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	8	0.13	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	12	0.18	0		0.81	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	12	2.00	0		32.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	12	0.05	0		0.12	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	12	3.69	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	12	2.71	0		21.91	AD	FS	☐	FS		

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AUID **0604C_01** From the confluence with Cedar Creek (0604A) upstream to confluence with unnamed tributary 1.6km SW of US Hwy 69 NW of Lufkin at NHD RC 12020002012470.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	109.83	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		7	3.42	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		13	1.28	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		20	1.84	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	12	2.00	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	12	2.71	0		1,140.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	12	0.20	0		3.83	AD	FS	☐	FS		

SEGID 0604D Piney Creek

AUID 0604D_01 — Middle portion of the stream from the confluence with Bear Creek (0604L) in Polk County upstream to the confluence with Caney Creek (0604O) in Trinity County at NHD RC 12020002000163.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	14		5	3.22	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	14		3	2.33	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	1		1	4.78	5.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	1		0		3.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	10		0		8.67	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	10		0		118.24	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	6		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	10		0		472.48	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	10		0		65.34	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	10		0		574.76	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	10		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	10		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	10		0		14.35	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	10	0.27	0		0.81	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	6	0.15	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	10	6.53	0		49.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	10	2.94	0		21.91	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	10	2.00	0		32.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	10	0.06	0		0.12	AD	FS	☐	FS		

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AUID **0604D_01** Middle portion of the stream from the confluence with Bear Creek (0604L) in Polk County upstream to the confluence with Caney Creek (0604O) in Trinity County at NHD RC 12020002000163.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	10	1.23	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	10	1.19	0		3.96	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	8	71.57	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	8		0		1.95	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	8		7	1.32	0.33	LD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	8		1	0.9	0.69	LD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	8		1	44.6	14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	10	2.00	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	10	0.28	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	10	2.94	0		1,140.00	AD	FS	☐	FS		

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AUID **0604D_02**

Upper portion of stream from the confluence with Caney Creek (0604O) in Trinity County upstream to confluence with unnamed tributary at NHD RC 12020002000181 in Houston County 0.75km west of FM 2781.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	12		0	3.36	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	17		1	2.7	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	20	65.05	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	21		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	21		1	0.36	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	21		1	0.87	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	20		6	161.73	14.10	AD	CS	☐	CS	chlorophyll-a	

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SEGID 0604M Biloxi Creek

AUID 0604M_02 From the confluence with Neches River (0604) upstream to confluence with One Eye Creek in Angelina County SE of Lufkin.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	2.1	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	11		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	11		0		31.11	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11		0		66.73	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11		0		266.86	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11		0		330.60	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11		0		4.50	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	11		0		7.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11	0.14	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11	3.05	0		49.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11	2.50	0		21.91	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	11	0.14	0		0.81	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	11	1.51	0		3.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		32.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11	0.05	0		0.12	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11	2.75	0		150.00	AD	FS	☐	FS		

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AUID **0604M_02** From the confluence with Neches River (0604) upstream to confluence with One Eye Creek in Angelina County SE of Lufkin.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	71.31	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		8	0.88	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		2	0.79	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		4	34.73	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	11	0.15	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	11	2.50	0		1,140.00	AD	FS	☐	FS		

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AUID **0604M_03** From the confluence with One Eye Creek in Angelina County SE of Lufkin upstream to FM 325 east of Lufkin

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	18		4	2.48	3.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	18		0		2.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	3		1	2.57	3.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	3		0		2.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Habitat	Habitat	12/1/2005	11/30/2012	2	16.00	0		4.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2005	11/30/2012	2	34.00	0		11.00	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2005	11/30/2012	2	42.00	0		12.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	37	195.00	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	3		0		0.69	ID	NA	☑	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	2		1	40.2	14.10	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	3		1	0.71	0.33	ID	NA	☑	CS	ammonia	
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	2		0		1.95	ID	NA	☐	NA		

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SEGID 0604N Buck Creek

AUID 0604N_01 From the confluence with Biloxi Creek (0604M) upstream to the confluence with Graham Creek (0604E) SW of City of Huntington at NHD RC 12020002000417.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		3	1.8	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		1	0.8	2.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	11		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	11		0		53.92	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11		0		101.87	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11		0		407.13	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	11		0		12.15	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11		0		497.62	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11		0		7.31	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11	3.98	0		21.91	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11	3.86	0		49.71	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11	0.13	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11	3.16	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	11	2.05	0		3.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11	0.05	0		0.12	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		32.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	11	0.14	0		0.81	AD	FS	☑	PI	lead in water	

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AUID **0604N_01** From the confluence with Biloxi Creek (0604M) upstream to the confluence with Graham Creek (0604E) SW of City of Huntington at NHD RC 12020002000417.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	26	55.42	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		7	0.89	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		0		14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	11	0.15	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	11	3.98	0		1,140.00	AD	FS	☐	FS		

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SEGID 0604T Lake Ratcliff

AUID 0604T_01 Entire lake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	11		1	3.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	11		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	13	4.49	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	13		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	13		2	0.25	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	13		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	13		4	36.53	26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

SEGID 0605 Lake Palestine

AUID 0605_01 Lower portion of reservoir near dam to the first bend in reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		5	2.67	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		3	1.54	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	17	2.56	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	26		1	32.7	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	26		4	9.09	8.50	AD	CN	☐	CN	pH	

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AUID **0605_01** Lower portion of reservoir near dam to the first bend in reservoir

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	26		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		2	0.22	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	22		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		2	0.44	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		9	32.99	26.70	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143	0.05	0		10.00	AD	FS	☐	FS		

AUID 0605_02 — From the first bend in lower portion of reservoir up to the SH 155 Bridge crossing.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03			200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95			50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01			50.00	AD	FS	☐	FS		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145		0		4.00	AD	FS	☐	FS		

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AUID **0605_02** From the first bend in lower portion of reservoir up to the SH 155 Bridge crossing.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143		0		10.00	AD	FS	☐	FS		

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AUID 0605_03 — Upper mid-lake including Tyler Public Water Supply intake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	34		1	3.43	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	34		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	11/1/2004	11/30/2012	11		1	4.2	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	11/1/2004	11/30/2012	11		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	3.13	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	34		1	33	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	34		10	8.94	8.50	AD	NS	☐	NS	pH	5a

AUID 0605_03 Upper mid-lake including Tyler Public Water Supply intake

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	34		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	31		19	53.85	26.70	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	32		1	0.15	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	32		0		0.37	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143	0.05	0		10.00	AD	FS	☐	FS		

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AUID 0605_09 Flat Creek Arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	33		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	33		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	10		0		5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	10		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	19	2.94	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	33		3	33.17	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	33		10	8.92	8.50	AD	NS	☐	NS	pH	5a

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AUID **0605_09** Flat Creek Arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	33		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	32		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	31		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	29		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	30		19	39.77	26.70	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143	0.05	0		10.00	AD	FS	☐	FS		

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AUID 0605_10 Upper Lake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	11/1/2004	11/30/2012	10		1	4.7	5.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	11/1/2004	11/30/2012	10		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	18	3.10	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	30		2	32.75	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	30		8	8.91	8.50	AD	NS	☐	NS	pH	5a

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AUID 0605_10 Upper Lake

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	30		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		25	52.01	26.70	AD	CS	☐	CS	chlorophyll-a	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		2	0.22	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	29		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		0		0.11	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143	0.05	0		10.00	AD	FS	☐	FS		

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AUID 0605_11 — From the SH 155 Bridge crossing to the Flat Creek Arm and across the main portion of the lake at the Flat Creek Arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		1	4.06	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	5		0		1.06	LD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	5		1	48500	40,000.00	LD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	5		0		459.00	LD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	5		0		2.20	LD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	5		0		48.60	LD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	5		0		128.00	LD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	5		0		149.00	LD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	5		0		111.00	LD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	5		0		33.00	LD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	5		0		4.98	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	5		2	4360	1,100.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	17	3.33	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	26		2	32.7	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	26		9	8.97	8.50	AD	NS	☐	NS	pH	5a
Low pH	pH	12/1/2005	11/30/2012	26		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	148	25.95	0		50.00	AD	FS	☐	FS		

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AUID **0605_11** From the SH 155 Bridge crossing to the Flat Creek Arm and across the main portion of the lake at the Flat Creek Arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	152	28.01	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	158	157.03	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		1	0.13	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	22		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	23		15	43.55	26.70	AD	CS	☐	CS	chlorophyll-a	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Risk Assess.- No Advisory	12/1/2003	11/30/2010						OE	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	143	0.05	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	145	0.13	0		4.00	AD	FS	☐	FS		

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SEGID 0605A Kickapoo Creek in Henderson County

AUID 0605A_01 From the confluence with Lake Palestine (0605) east of Brownsboro in Henderson County to the confluence with Slater Creek (0605E).

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	17		4	1.4	3.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	17		4	1.4	2.00	AD	NS	☐	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		2	1.3	3.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		2	0.8	2.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	4		0		8.65	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	4		0		75.04	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	4		0		36.26	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	4		0		370.33	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	4		0		5.14	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	4		0		340.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	4		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	4		0		300.05	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	4	8.53	0		38.96	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	4	1.25	0		150.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	4	0.05	0		0.10	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	4	2.00	0		25.36	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	4	1.76	0		3.09	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	4	0.04	0		0.59	LD	NC	☐	NC		

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AUID **0605A_01** From the confluence with Lake Palestine (0605) east of Brownsboro in Henderson County to the confluence with Slater Creek (0605E).

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	4	5.37	0		17.18	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Habitat	Habitat	12/1/2005	11/30/2012		21.00	0		12.00	AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2005	11/30/2012	2	31.00	0		11.00	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2005	11/30/2012	2	46.00	0		12.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	38	269.94	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	17		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	19		9	2.64	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	16		4	1.98	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	17		5	66.52	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	4	5.37	0		1,140.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	4	2.00	0		502.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	4	0.04	0		3.83	LD	NC	☐	NC		

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AUID **0605A_02** From the confluence with Slater Creek (0605E) upstream to confluence with unnamed tributary about 1.62 km north of FM 858 in Van Zandt County at NHD RC 12020001000161.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		1	2.6	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	22	178.92	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	24		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		6	2.63	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		5	27.04	14.10	AD	NC	☐	NC		

SEGID 0605F Lake Athens

AUID 0605F_01 Entire lake

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	42	3.52	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	54		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	54		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	55		1	0.14	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	50		0		0.37	AD	NC	☐	NC		

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SEGID 0606 Neches River Above Lake Palestine

AUID 0606_01 From a point approximately 0.06km (0.03 mi) south of St. Louis Southwestern Railroad upstream to the confluence with Prairie Creek (0606A).

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2003	11/30/2012	2		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2003	11/30/2012	2	0.43	0		5.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	22	270.82	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	30		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	30		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	30		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	81	247.52	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	76	40.04	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	76	45.82	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		21	6.12	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	30		2	0.5	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		10	1.26	0.69	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		0		14.10	AD	NC	☐	NC		

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AUID **0606_01** From a point approximately 0.06km (0.03 mi) south of St. Louis Southwestern Railroad upstream to the confluence with Prairie Creek (0606A).

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	70	2.22	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	1		0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	1		0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	64	0.20	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	1		0		1.15	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	1		0		332.00	ID	NA	☐	NA		

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AUID 0606_02 — From the confluence with Prairie Creek (0606A) upstream to the Rhine Lake Dam

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	38		8	2.49	4.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	39		5	1.82	3.00	AD	CN	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012						ID	NA	☑	CN	depressed dissolved oxygen	
Acute Toxic Substances in water	Zinc	12/1/2003	11/30/2012	9		1	485	87.46	LD	NC	☐	NC		
Acute Toxic Substances in water	Aluminum	12/1/2003	11/30/2012	2		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2003	11/30/2012	2		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2003	11/30/2012	2		0		5.61	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2003	11/30/2012	2		0		398.18	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2003	11/30/2012	2		0		9.40	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2003	11/30/2012	2		0		39.98	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2003	11/30/2012	2		0		323.38	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2003	11/30/2012	9	59.43	1		56.65	JQ	CN	☐	CN	zinc in water	
Chronic Toxic Substances in water	Nickel	12/1/2003	11/30/2012	2	2.65	0		24.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2003	11/30/2012	2	0.25	0		0.97	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2003	11/30/2012	2	0.92	0		4.51	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2003	11/30/2012	2	1.26	0		36.42	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2003	11/30/2012	2	1.14	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2003	11/30/2012	2	0.06	0		0.13	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	30	141.36	1		126.00	JQ	NS	☐	CN	bacteria	

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AUID 0606_02 — From the confluence with Prairie Creek (0606A) upstream to the Rhine Lake Dam

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	50		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	48		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	47		6	5.1	6.00	AD	CN	☑	NS	pH	5b
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	81	247.52	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	76	45.82	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	76	40.04	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	42		5	3	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	45		10	0.99	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	40		1	2.18	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	44		9	44.73	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	1	0.05	0		5.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	1	0.03	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		332.00	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	1	1.25	0		10.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	70	2.22	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	1	2.50	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	1	0.03	0		1.15	ID	NA	☐	NA		

AUID 0606_02 From the confluence with Prairie Creek (0606A) upstream to the Rhine Lake Dam

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	1	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	64	0.20	0		4.00	AD	FS	☐	FS		

SEGID 0606A Prairie Creek

AUID 0606A_01 From the confluence with Neches River (0606), per WQS App. D first entry for Prairie Creek at NHD RC 12020001000071 in Smith County upstream to the confluence with Black Fork Creek (0606D) at NHD RC 12020001000071 .

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	22	164.87	1		126.00	AD	NS	☐	NS	bacteria	5b

AUID 0606A_03 From the confluence with Caney Creek upstream to confluence with unnamed tributary appx. 0.6 km downstream of the US 69 bridge crossing, which is located appx. 0.6 km south of the City of Lindale, per App. D second line entry

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		3	4.24	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	24	170.98	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	24		1	1.08	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	23		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	24		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	24		5	0.54	0.33	AD	NC	☐	NC		

SEGID 0606D Black Fork Creek

AUID 0606D_01

Perennial stream from the confluence with Prairie Creek (0606A), per WQS App. D second entry for Black Fork Creek, upstream to the confluence with unnamed tributary (receiving waters for WWTP) at NHD RC 12020001000072.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	1		0		4.00	ID	NA	☐	NA		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	1		0		3.00	ID	NA	☐	NA		

AUID 0606D_02

From the confluence with unnamed tributary at NHD RC 12020001000072 upstream to a point 0.4km downstream of FM 14 in Tyler, at the confluence with unnamed tributary at NHD RC 12020001000073, per WQS App. D second entry for Black Fork Creek.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	185.57	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	24		10	0.69	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		0		14.10	AD	NC	☐	NC		

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SEGID 0607 Pine Island Bayou

AUID 0607_01 — From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		8	3.99	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		3.60	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		274.51	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	12		0		6.13	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		24.17	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		220.23	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		55.05	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		4	2606	991.00	AD	NS	☑	PI	aluminum in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.46	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	15	0.45	0		0.57	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.23	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	1.96	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	12	1.55	0		2.99	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	3.95	0		37.73	AD	FS	☐	FS		

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AUID **0607_01** From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	23.73	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		1	5.9	6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	112	11.69	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	121	170.38	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	111	41.38	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	15	0.48	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	15	2.46	0		332.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	15	0.14	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	15	2.23	0		62.00	AD	FS	☐	FS		

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AUID **0607_01** From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cresols	12/1/2005	11/30/2012	7		0		736.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2005	11/30/2012	3		0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	beta-BHC	12/1/2005	11/30/2012	8		0		0.17	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2005	11/30/2012	7		0		1,318.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDT	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2005	11/30/2012	5		0		0.08	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	6		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4		0		1,194.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2005	11/30/2012	7		0		11.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDE	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	6		0		0.65	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	7		0		0.12	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2005	11/30/2012	7		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2005	11/30/2012	8		0		7.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pyridine	12/1/2005	11/30/2012	5		0		23.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	7		0		0.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2005	11/30/2012	4		0		473.00	LD	NC	☐	NC		

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AUID **0607_01** From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		600.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	alpha-BHC	12/1/2005	11/30/2012	8		0		0.05	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2005	11/30/2012	5		0		257.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	PCBs	12/1/2005	11/30/2012	5		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2005	11/30/2012	7		0		6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	7		0		0.32	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzidine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-D	12/1/2005	11/30/2012	8		0		70.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Anthracene	12/1/2005	11/30/2012	7		0		5,569.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2005	11/30/2012	4		0		75.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	15	83.28	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2005	11/30/2012	7		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	55	0.15	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Chrysene	12/1/2005	11/30/2012	7		0		68.13	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDD	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0607_01** From the confluence with the Neches River upstream to unnamed tributary at NHD RC 12020007001215 that runs through Sherwood Drive in northern City of Beaumont.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	4		0		6.50	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2005	11/30/2012	3		0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	55	0.59	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	54	0.15	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2005	11/30/2012	8		0		0.33	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	55	2.54	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	96	0.11	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	55	1.56	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Endrin	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		11	3.95	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	4		2	3.6	5.00	LD	CN	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	4		1	1.7	3.00	LD	NC	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	DDT	12/1/2005	11/30/2012	4		0		1.10	LD	NC	☐	NC		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2		0		136.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3		0		7.89	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	5		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	PCBs	12/1/2005	11/30/2012	3		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	3		0		59.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	5		0		0.17	LD	NC	☐	NC		
Acute Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	5		0		0.78	LD	NC	☐	NC		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		1.13	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		58.45	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4		0		30.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		3.86	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Aldrin	12/1/2005	11/30/2012	5		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		233.79	AD	FS	☐	FS		
Acute Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	5		0		2.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	5		0		0.08	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		290.86	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		0		6.55	AD	FS	☐	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4		0		0.24	LD	NC	☐	NC		
Acute Toxic Substances in water	Endrin	12/1/2005	11/30/2012	5		0		0.09	LD	NC	☐	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	5		0		0.52	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		26.14	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		4	3636.75	991.00	AD	NS	☑	PI	aluminum in water	
Chronic Toxic Substances in water	DDT	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4	5.64	0		30.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15	0.14	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	3.97	0		37.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5	0.03	0		0.08	LD	NC	☐	NC		
Chronic Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	3	0.55	0		19.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	5	0.03	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3	2.02	0		4.05	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	PCBs	12/1/2005	11/30/2012	3	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	5	0.09	0		0.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	16	0.60	1		0.57	AD	NS	☑	PI	lead in water	
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2	3.02	0		64.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	5	0.02	0		0.04	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	2.32	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Methoxychlor	12/1/2005	11/30/2012	5	0.02	0		0.03	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.51	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.41	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	1.76	0		2.99	AD	FS	☐	FS		
Chronic Toxic Substances in water	Demeton	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endrin	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Guthion	12/1/2005	11/30/2012	5	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Malathion	12/1/2005	11/30/2012	5	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Mirex	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	52.46	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	112	11.69	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	121	170.38	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	111	41.38	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		1	0.37	0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	4	0.06	0		0.12	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2005	11/30/2012	5	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	3	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2	3.02	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2005	11/30/2012	4	3.26	0		11.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	3	0.33	0		0.65	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	beta-BHC	12/1/2005	11/30/2012	5	0.03	0		0.17	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5	0.03	0		0.20	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2005	11/30/2012	4	0.50	0		1.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Silvex	12/1/2005	11/30/2012	5	0.25	0		7.30	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2005	11/30/2012	3	2.52	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	4	0.15	0		0.30	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2005	11/30/2012	2	2.51	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2005	11/30/2012	3	2.52	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	4	0.16	0		0.32	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2005	11/30/2012	3	2.52	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2005	11/30/2012	4	22.53	0		736.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	15	2.41	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2005	11/30/2012	4	0.03	0		0.07	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2005	11/30/2012	3	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2005	11/30/2012	4	8.14	0		1,318.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2005	11/30/2012	5	0.00	0		0.01	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	alpha-BHC	12/1/2005	11/30/2012	5	0.03	0		0.05	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2005	11/30/2012	4	8.14	0		68.13	LD	NC	☐	NC		

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AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	15	2.51	0		332.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	15	0.17	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	4	2.64	0		6.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Endrin	12/1/2005	11/30/2012	5	0.03	0		0.20	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2005	11/30/2012	5	0.03	0		0.33	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	15	0.66	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2005	11/30/2012	2	2.51	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	3	2.52	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	2,4-D	12/1/2005	11/30/2012	8	0.25	0		70.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Anthracene	12/1/2005	11/30/2012	7	8.96	0		5,569.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	55	1.56	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	15	83.28	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2005	11/30/2012	7	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2005	11/30/2012	7	0.03	0		0.07	LD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_02 — From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Silvex	12/1/2005	11/30/2012	8	0.25	0		7.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2005	11/30/2012	5	0.03	0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	6	0.50	0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4	3.06	0		1,194.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2005	11/30/2012	7	3.39	0		11.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	6	0.33	0		0.65	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cresols	12/1/2005	11/30/2012	7	25.06	0		736.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2005	11/30/2012	7	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2005	11/30/2012	7	8.96	0		1,318.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2005	11/30/2012	7	0.50	0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2005	11/30/2012	8	0.00	0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pyridine	12/1/2005	11/30/2012	5	2.55	0		23.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	7	0.15	0		0.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2005	11/30/2012	4	2.55	0		473.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2005	11/30/2012	5	2.55	0		600.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	7	0.16	0		0.32	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2005	11/30/2012	5	2.55	0		257.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2005	11/30/2012	3	5.12	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2005	11/30/2012	7	2.68	0		6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	7	0.06	0		0.12	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2005	11/30/2012	3	2.56	0		27.00	ID	NA	☐	NA		

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AUID 0607_02 From the confluence with unnamed tributary that runs through Sherwood Drive in northern City of Beaumont upstream to the confluence with Black Creek

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	55	0.15	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2005	11/30/2012	8	0.00	0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Chrysene	12/1/2005	11/30/2012	7	8.96	0		68.13	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2005	11/30/2012	6	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Endrin	12/1/2005	11/30/2012	8	0.03	0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2005	11/30/2012	6	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2005	11/30/2012	5	0.04	0		0.08	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	4	2.55	0		6.50	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	55	0.59	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2005	11/30/2012	8	0.03	0		0.33	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	55	2.54	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	96	0.11	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	54	0.15	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2005	11/30/2012	4	2.55	0		75.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	alpha-BHC	12/1/2005	11/30/2012	8	0.03	0		0.05	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	beta-BHC	12/1/2005	11/30/2012	8	0.03	0		0.17	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2005	11/30/2012	8	0.03	0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		

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AUID 0607_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	21		5	3.98	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		2	2.85	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	4		1	4.2	5.00	LD	NC	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	3		0		2.00	ID	NA	☐	NA		
Acute Toxic Substances in water	DDT	12/1/2005	11/30/2012	4		0		1.10	LD	NC	☐	NC		
Acute Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	5		0		0.17	LD	NC	☐	NC		
Acute Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2		0		136.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3		0		7.13	ID	NA	☐	NA		
Acute Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	5		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	3		0		59.30	ID	NA	☐	NA		
Acute Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	5		0		0.78	LD	NC	☐	NC		
Acute Toxic Substances in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5		0		1.13	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		57.32	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4		0		30.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		3.78	AD	FS	☐	FS		
Acute Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4		0		0.22	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		229.29	AD	FS	☐	FS		
Acute Toxic Substances in water	Aldrin	12/1/2005	11/30/2012	5		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		

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AUID 0607_03 — From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Acute Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	5		0		2.40	LD	NC	☐	NC		
Acute Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	5		0		0.08	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		285.43	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		0		6.41	AD	FS	☐	FS		
Acute Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4		0		0.24	LD	NC	☐	NC		
Acute Toxic Substances in water	Endrin	12/1/2005	11/30/2012	5		0		0.09	LD	NC	☐	NC		
Acute Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	5		0		0.52	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		25.48	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		4	4475.25	991.00	AD	NS	☑	PI	aluminum in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.59	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Toxaphene	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	PCBs	12/1/2005	11/30/2012	3	0.01	0		0.01	ID	NA	☐	NA		
Chronic Toxic Substances in water	Phenanthrene	12/1/2005	11/30/2012	4	5.67	0		30.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15	0.14	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	3.71	0		37.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	5	0.03	0		0.08	LD	NC	☐	NC		
Chronic Toxic Substances in water	DDT	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	3	0.54	0		19.80	ID	NA	☐	NA		
Chronic Toxic Substances in water	Endosulfan 1 (alpha)	12/1/2005	11/30/2012	4	0.02	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan 2 (beta)	12/1/2005	11/30/2012	4	0.02	0		0.06	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endosulfan sulfate	12/1/2005	11/30/2012	5	0.02	0		0.06	LD	NC	☐	NC		

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AUID 0607_03 — From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3	2.02	0		4.05	ID	NA	☐	NA		
Chronic Toxic Substances in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2	3.11	0		64.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Diazinon	12/1/2005	11/30/2012	5	0.08	0		0.17	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chloropyrifos (Dursban)	12/1/2005	11/30/2012	5	0.02	0		0.04	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	2.08	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chlordane	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.55	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	2.05	0		2.99	AD	FS	☐	FS		
Chronic Toxic Substances in water	Demeton	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Malathion	12/1/2005	11/30/2012	5	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Mirex	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Methoxychlor	12/1/2005	11/30/2012	5	0.01	0		0.03	LD	NC	☐	NC		
Chronic Toxic Substances in water	Dieldrin	12/1/2005	11/30/2012	4	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	15	0.58	1		0.57	AD	NS	☑	PI	lead in water	
Chronic Toxic Substances in water	Heptachlor	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Guthion	12/1/2005	11/30/2012	5	0.01	0		0.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Endrin	12/1/2005	11/30/2012	5	0.00	0		0.00	LD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	128.69	1		126.00	AD	NS	☐	NS	bacteria	5c

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AUID 0607_03 — From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		1	5.8	6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	112	11.69	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	121	170.38	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	111	41.38	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		1	3.1	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		2	1.61	0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	3	0.06	0		0.12	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	gamma-BHC (Lindane)	12/1/2005	11/30/2012	3	0.04	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Toxaphene	12/1/2005	11/30/2012	3	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Di-n-butyl phthalate	12/1/2005	11/30/2012	3	10.06	0		1,318.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dicofol (Kelthane)	12/1/2005	11/30/2012	2	0.04	0		0.08	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	3	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	2	3.11	0		1,194.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nitrobenzene	12/1/2005	11/30/2012	3	3.56	0		11.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	3	0.33	0		0.65	ID	NA	☐	NA		

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AUID 0607_03 From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	2,4-Dimethylphenol	12/1/2005	11/30/2012	2	2.59	0		257.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	beta-BHC	12/1/2005	11/30/2012	3	0.04	0		0.17	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	N-Nitrosodiethylamine	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Silvex	12/1/2005	11/30/2012	3	0.25	0		7.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pyridine	12/1/2005	11/30/2012	2	2.59	0		23.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	3	0.15	0		0.30	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	m-Dichlorobenzene	12/1/2005	11/30/2012	2	2.59	0		473.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	o-Dichlorobenzene	12/1/2005	11/30/2012	2	2.59	0		600.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	3	0.16	0		0.32	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cresols	12/1/2005	11/30/2012	3	28.45	0		736.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	10	0.15	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	alpha-BHC	12/1/2005	11/30/2012	3	0.03	0		0.05	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Pentachlorobenzene	12/1/2005	11/30/2012	3	0.50	0		1.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Aldrin	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzidine	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Benzo(a)pyrene	12/1/2005	11/30/2012	2	0.03	0		0.07	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chlordane	12/1/2005	11/30/2012	3	0.00	0		0.01	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	10	2.74	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chrysene	12/1/2005	11/30/2012	3	10.06	0		68.13	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Dieldrin	12/1/2005	11/30/2012	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Heptachlor	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		

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AUID 0607_03 — From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Heptachlor epoxide	12/1/2005	11/30/2012	2	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	3	0.00	0		0.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	1	2.66	0		6.50	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Bis(2-ethyl-hexyl)phthalate	12/1/2005	11/30/2012	3	2.73	0		6.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Hexachloroethane	12/1/2005	11/30/2012	1	2.66	0		27.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	10	0.75	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Methoxychlor	12/1/2005	11/30/2012	3	0.04	0		0.33	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Endrin	12/1/2005	11/30/2012	3	0.04	0		0.20	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	10	2.64	0		332.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Benzo(a)anthracene	12/1/2005	11/30/2012	3	0.03	0		0.07	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	beta-BHC	12/1/2005	11/30/2012	8	0.03	0		0.17	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	6	0.33	0		0.65	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2005	11/30/2012	7	3.39	0		11.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4	3.06	0		1,194.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	6	0.50	0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2005	11/30/2012	5	0.04	0		0.08	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2005	11/30/2012	7	8.96	0		1,318.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2005	11/30/2012	8	0.03	0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cresols	12/1/2005	11/30/2012	7	25.06	0		736.00	LD	NC	☐	NC		

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AUID 0607_03 — From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2005	11/30/2012	3	5.12	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2005	11/30/2012	8	0.00	0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2005	11/30/2012	7	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	7	0.06	0		0.12	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2005	11/30/2012	7	0.50	0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2005	11/30/2012	8	0.25	0		7.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pyridine	12/1/2005	11/30/2012	5	2.55	0		23.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	7	0.15	0		0.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2005	11/30/2012	4	2.55	0		473.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2005	11/30/2012	5	2.55	0		600.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	alpha-BHC	12/1/2005	11/30/2012	8	0.03	0		0.05	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2005	11/30/2012	5	2.55	0		257.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Endrin	12/1/2005	11/30/2012	8	0.03	0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2005	11/30/2012	7	2.68	0		6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	7	0.16	0		0.32	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Chrysene	12/1/2005	11/30/2012	7	8.96	0		68.13	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-D	12/1/2005	11/30/2012	8	0.25	0		70.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Anthracene	12/1/2005	11/30/2012	7	8.96	0		5,569.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	55	1.56	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	15	83.28	0		2,000.00	AD	FS	☐	FS		

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AUID **0607_03** From the confluence with Black Creek upstream to the confluence with Willow Creek (0607C)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Benzidine	12/1/2005	11/30/2012	7	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2005	11/30/2012	7	0.03	0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2005	11/30/2012	5	0.03	0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2005	11/30/2012	6	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Chlordane	12/1/2005	11/30/2012	8	0.00	0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2005	11/30/2012	4	2.55	0		75.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2005	11/30/2012	6	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	8	0.00	0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	4	2.55	0		6.50	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2005	11/30/2012	3	2.56	0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	55	0.59	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2005	11/30/2012	8	0.03	0		0.33	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	55	2.54	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	96	0.11	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	54	0.15	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	55	0.15	0		5.00	AD	FS	☐	FS		

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AUID 0607_04 — From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	16		7	3.61	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	23		1	2.2	3.00	AD	FS	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	3		3	3.4	5.00	ID	NS	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	3		3	1.57	3.00	ID	NS	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		0		8.64	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		74.94	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		36.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		369.85	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		5.14	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		2	4857	991.00	AD	CN	☑	PI	aluminum in water	
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		299.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.59	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	3.85	0		37.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.16	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	15	0.47	0		0.57	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.25	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	1.49	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	1.80	0		2.99	AD	FS	☐	FS		

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AUID 0607_04 — From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	68.63	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		35.00	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		1	5.8	6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	121	170.38	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	111	41.38	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	112	11.69	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		1	22.1	14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	15	0.13	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	15	2.25	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	15	0.51	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	15	2.59	0		332.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Toxaphene	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		

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AUID 0607_04 — From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	DDE	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2005	11/30/2012	7		0		11.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4		0		1,194.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	6		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2005	11/30/2012	5		0		0.08	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	6		0		0.65	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2005	11/30/2012	7		0		1,318.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pyridine	12/1/2005	11/30/2012	5		0		23.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	beta-BHC	12/1/2005	11/30/2012	8		0		0.17	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDT	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	7		0		0.12	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2005	11/30/2012	8		0		7.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	55	2.54	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	7		0		0.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2005	11/30/2012	4		0		473.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		600.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	7		0		0.32	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2005	11/30/2012	5		0		257.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2005	11/30/2012	3		0		50.00	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0607_04 — From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2005	11/30/2012	7		0		6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	alpha-BHC	12/1/2005	11/30/2012	8		0		0.05	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2005	11/30/2012	7		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Endrin	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Anthracene	12/1/2005	11/30/2012	7		0		5,569.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	55	1.56	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	15	83.28	0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2005	11/30/2012	7		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	55	0.15	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Chrysene	12/1/2005	11/30/2012	7		0		68.13	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2005	11/30/2012	4		0		75.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	4		0		6.50	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2005	11/30/2012	3		0		27.00	ID	NA	☐	NA		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0607_04** From the confluence with Willow Creek (0607C) upstream to the confluence with Mayhaw Slough near oil fields

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	55	0.59	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2005	11/30/2012	8		0		0.33	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	PCBs	12/1/2005	11/30/2012	5		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	96	0.11	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	2,4-D	12/1/2005	11/30/2012	8		0		70.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	54	0.15	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	DDD	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		

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AUID 0607_05 — From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	111	41.38			150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	112	11.69			150.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	121	170.38			300.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	alpha-BHC	12/1/2005	11/30/2012	8		0		0.05	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	beta-BHC	12/1/2005	11/30/2012	8		0		0.17	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	gamma-BHC (Lindane)	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Toxaphene	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Di-n-butyl phthalate	12/1/2005	11/30/2012	7		0		1,318.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDT	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dicofol (Kelthane)	12/1/2005	11/30/2012	5		0		0.08	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pentachlorophenol (PCP)	12/1/2005	11/30/2012	6		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4,5-Trichlorophenol	12/1/2005	11/30/2012	4		0		1,194.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nitrobenzene	12/1/2005	11/30/2012	7		0		11.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDE	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	1,2,4,5-Tetrachlorobenzene	12/1/2005	11/30/2012	6		0		0.65	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorocyclopentadiene	12/1/2005	11/30/2012	3		0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cresols	12/1/2005	11/30/2012	7		0		736.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitrosodiethylamine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	N-Nitroso-di-n-butylamine	12/1/2005	11/30/2012	7		0		0.12	LD	NC	☐	NC		

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AUID 0607_05 — From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Pentachlorobenzene	12/1/2005	11/30/2012	7		0		1.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Silvex	12/1/2005	11/30/2012	8		0		7.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Pyridine	12/1/2005	11/30/2012	5		0		23.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-chloroethyl)ether	12/1/2005	11/30/2012	7		0		0.30	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	m-Dichlorobenzene	12/1/2005	11/30/2012	4		0		473.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	o-Dichlorobenzene	12/1/2005	11/30/2012	5		0		600.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	3,3-Dichlorobenzidine	12/1/2005	11/30/2012	7		0		0.32	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-Dimethylphenol	12/1/2005	11/30/2012	5		0		257.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	DDD	12/1/2005	11/30/2012	6		0		0.01	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Bis(2-ethylhexyl)phthalate	12/1/2005	11/30/2012	7		0		6.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	15		0		2,000.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	1,3-Dichlorobenzene	12/1/2005	11/30/2012	4		0		75.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Endrin	12/1/2005	11/30/2012	8		0		0.20	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	2,4-D	12/1/2005	11/30/2012	8		0		70.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Aldrin	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	55		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Benzidine	12/1/2005	11/30/2012	7		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)anthracene	12/1/2005	11/30/2012	7		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Benzo(a)pyrene	12/1/2005	11/30/2012	5		0		0.07	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	55		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Chlordane	12/1/2005	11/30/2012	8		0		0.01	LD	NC	☐	NC		

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AUID 0607_05 — From the confluence with Mayhaw Slough near oil fields upstream to the headwaters

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Chrysene	12/1/2005	11/30/2012	7		0		68.13	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Heptachlor epoxide	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	8		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachlorobutadiene (HCBD)	12/1/2005	11/30/2012	4		0		6.50	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Hexachloroethane	12/1/2005	11/30/2012	3		0		27.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	55		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	54		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Methoxychlor	12/1/2005	11/30/2012	8		0		0.33	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	PCBs	12/1/2005	11/30/2012	5		0		0.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	55		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	96		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Anthracene	12/1/2005	11/30/2012	7		0		5,569.00	LD	NC	☐	NC		
Surface Water HH criteria for PWS average	Dieldrin	12/1/2005	11/30/2012	6		0		0.00	LD	NC	☐	NC		

SEGID 0607A Boggy Creek

AUID 0607A_02 From the confluence with unnamed tributary 0.39 km downstream of CR 421 upstream to confluence with unnamed tributary 4 km downstream of the crossing of the Southern Pacific Railroad, per WQS App. D, at NHD RC 12020007003034.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	4		3	2.43	5.00	LD	CS	☑	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	4		2	2.15	3.00	LD	CN	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		1	0.54	5.00	ID	NA	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		1	0.03	3.00	ID	NA	☑	NS	depressed dissolved oxygen	5b
Habitat	Habitat	12/1/2003	11/30/2010	0	14.00			20.00	ID	NA	☑	CS	impaired habitat	

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	2		0		1.95	ID	NA	☐	NA		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	2		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	2		0		0.69	ID	NA	☐	NA		

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SEGID 0607B Little Pine Island Bayou

AUID 0607B_01 From the confluence with Pine Island Bayou (0607) at the Hardin/Jefferson Counties border upstream to unnamed tributary 1.1 km SE of intersection of FM 770 and FM 787 at NHD RC 12020007000021, same tributary as Big Thicket National Park boundary.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	16		7	4.09	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	21		0	1.93	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2002	11/30/2012	10		4	3.35	5.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2004	11/30/2012	10		3	2.37	3.00	AD	NS	☐	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		46.98	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	12		0		5.14	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		187.97	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		19.61	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		2	3204	991.00	AD	CN	☑	PI	aluminum in water	
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		235.49	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.41	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	15	0.47	0		0.57	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	12	2.05	0		2.99	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.02	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		

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AUID **0607B_01**

From the confluence with Pine Island Bayou (0607) at the Hardin/Jefferson Counties border upstream to unnamed tributary 1.1 km SE of intersection of FM 770 and FM 787 at NHD RC 12020007000021, same tributary as Big Thicket National Park boundary.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	2.17	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	4.48	0		37.73	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	75.39	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		2	0.42	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	15	2.02	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	15	0.50	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	15	2.41	0		1,140.00	AD	FS	☐	FS		

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AUID **0607B_02** From the confluence with unnamed tributary 1.1 km SE of intersection of FM 770 and 787 upstream to headwaters 5.5 km SE of City of Segno in Polk County at NHD RC 12020007000151.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	10		3	2.37	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	14		2	1.75	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	20	60.86	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	20		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		1	0.35	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	20		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

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SEGID 0607C Willow Creek

AUID 0607C_01 — From the confluence with Pine Island Bayou (0607) at the State Hwy 326 bridge at NHD RC 12020007000258 upstream to headwaters NE of Devers in Liberty County at NHD RC 12020007000200.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	21		8	3.49	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	22		2	2.4	3.00	AD	FS	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2002	11/30/2012	4		3	3.03	5.00	LD	NS	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2002	11/30/2012	4		2	2.35	3.00	LD	CN	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	15		4	4545	991.00	AD	NS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15		0		70.61	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15		0		282.37	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	15		0		33.49	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		1	2.29	8.09	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15		0		349.18	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15		0		4.80	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	15	3.42	0		37.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	15	0.15	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	14	0.60	1		0.57	AD	NS	☑	PI	lead in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	15	2.59	0		16.64	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	15	2.57	0		24.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	15	3.07	0		150.00	AD	FS	☐	FS		

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AUID **0607C_01** From the confluence with Pine Island Bayou (0607) at the State Hwy 326 bridge at NHD RC 12020007000258 upstream to headwaters NE of Devers in Liberty County at NHD RC 12020007000200.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	15	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	2.45	0		2.99	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	120.30	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		1	6.9	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	15	2.57	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	15	0.65	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	15	2.59	0		1,140.00	AD	FS	☐	FS		

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SEGID 0608 Village Creek

AUID 0608_01 From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	48		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	48		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11		0		1.62	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11		0		139.97	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	11		0		2.82	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	11		0		9.59	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11		0		109.83	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11		0		27.42	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	10		0		991.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11	2.50	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11	2.94	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11	0.14	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	11	0.95	0		1.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11	1.20	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	11	0.17	0		0.28	AD	FS	☐	FS		

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AUID 0608_01 — From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	47	27.77	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	48		2	32.3	32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	48		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	48		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	96	58.36	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	95	11.46	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	95	3.05	0		75.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	45		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	29		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	43		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	44		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	11	0.13	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	11	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	11	0.24	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	11	2.50	0		332.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		1	0.84	0.53	ID	NA	☑	CS	mercury in edible tissue	

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AUID **0608_01** From the confluence with Neches River (0602) upstream to confluence with Cypress Creek (0608C)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	20	0.34	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	20	0.14	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	79	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	20	2.26	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	20	0.14	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	3		0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	20	1.09	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	26	0.13	0		4.00	AD	FS	☐	FS		

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AUID 0608_02 — From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14		0		1.79	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14		0		29.97	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14		0		119.99	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	14		0		10.79	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14		0		152.49	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	13		1	1290	991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	14		0		3.12	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	14	0.28	0		0.28	AD	FS	☑	PI	lead in water	
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.49	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14	2.89	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14	2.02	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14	1.57	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14	1.04	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	14	0.96	0		1.76	AD	FS	☐	FS		

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AUID 0608_02 — From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	54.05	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		4	5.65	6.00	AD	CN	☐	CN	pH	
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	96	58.36	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	95	11.46	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	95	3.05	0		75.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.69	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	9	0.15	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	9	1.50	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	9	0.46	0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	9	1.97	0		332.00	LD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

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AUID **0608_02** From the confluence with Cypress Creek (0608C) upstream to confluence with Beech Creek (0608A)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	20	0.34	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	26		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	20	0.14	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	79	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	20	1.09	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	20	0.14	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	3	51.23	0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	20	2.26	0		332.00	AD	FS	☐	FS		

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AUID 0608_03 — From the confluence with Beech Creek (0608A) upstream to confluence with Big Sandy Creek and Kimball Creek in Hardin County

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	89.66	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	20		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	20		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	20		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	95	3.05	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	96	58.36	0		300.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	95	11.46	0		150.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	19		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	19		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

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AUID **0608_03** From the confluence with Beech Creek (0608A) upstream to confluence with Big Sandy Creek and Kimball Creek in Hardin County

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	20		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	20		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	79	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	20		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	20		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	3		0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	20		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	26		0		4.00	AD	FS	☐	FS		

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SEGID 0608A Beech Creek

AUID 0608A_01 — From the confluence with Village Creek (0608) at NHD RC 12020006000017 upstream to the confluence with Drakes Branch 0.35 km upstream of FM1943 RD E at NHD RC 12020006000025

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		1	4.9	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	29		1	2	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	13		0		5.91	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14		0		19.13	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14		0		76.65	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	14		3	3.12	1.89	AD	NS	☐	NS	copper in water	5c
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14		0		1.07	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	13		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14		0		98.81	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14	1.58	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14	5.15	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.47	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14	1.93	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	14	1.42	0		1.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14	1.39	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	12	0.59	1		0.28	AD	NS	☑	PI	lead in water	

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AUID 0608A_01 From the confluence with Village Creek (0608) at NHD RC 12020006000017 upstream to the confluence with Drakes Branch 0.35 km upstream of FM1943 RD E at NHD RC 12020006000025

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	101.90	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	14	1.58	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	13	0.63	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	14	1.93	0		1,140.00	AD	FS	☐	FS		

AUID 0608A_02 From the confluence with Drakes Branch upstream to headwaters 0.62 km south of FM 1746 at NHD RC 12020006000035.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Habitat	Habitat	12/1/2003	11/30/2010		16.00			20.00	ID	NA	☑	CS	impaired habitat	

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SEGID 0608B Big Sandy Creek

AUID 0608B_03 From the confluence of Village Creek (0608) and Kimball Creek in Hardin County at NHD RC 12020006000109 upstream to the confluence with Bear Creek in Polk County at NHD RC 12020006000119.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	21		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	21		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	73.63	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	20		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	19		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

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AUID **0608B_04** From the confluence with Bear Creek in Polk County upstream to headwaters about 5 km SE of intersection of US Hwy 59 and FM 62 at NHD RC 12020006000133.

USE **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		2.83	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		224.08	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		4.85	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		18.32	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		178.58	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		44.62	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	3		0		991.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.43	1		0.28	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	1.50	0		22.33	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	1.20	0		9.86	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	0.70	0		14.81	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	0.80	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.03	0		0.06	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.65	0		1.76	ID	NA	☐	NA		

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AUID **0608B_04** From the confluence with Bear Creek in Polk County upstream to headwaters about 5 km SE of intersection of US Hwy 59 and FM 62 at NHD RC 12020006000133.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	153.83	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	0.70	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.43	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	1.20	0		1,140.00	ID	NA	☐	NA		

SEGID 0608C Cypress Creek

AUID 0608C_01 — Upper portion from the confluence with unnamed tributary upstream of Pea Monk Branch upstream to confluence with Bad Luck Creek, per WQS App. D, at NHD RC 12020006000148.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	12		2	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	14		0	1.73	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	3		2	4.35	5.00	ID	NA	☑	NS	depressed dissolved oxygen	5b
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	3		0		3.00	ID	NA	☑	NS	depressed dissolved oxygen	5b
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11		1	9.55	59.57	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	11		0		26.81	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11		0		238.28	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11		0		296.26	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11		0		3.95	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	11		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	11		0		6.69	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	11	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	11	1.86	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	11	1.40	0		1.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2004	11/30/2012	11	0.63	1		0.28	AD	NS	☑	PI	lead in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	11	2.46	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	11	0.57	0		5.00	AD	FS	☐	FS		

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AUID **0608C_01** Upper portion from the confluence with unnamed tributary upstream of Pea Monk Branch upstream to confluence with Bad Luck Creek, per WQS App. D, at NHD RC 12020006000148.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	11	6.70	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	11	8.91	0		150.00	AD	FS	☐	FS		
Habitat	Habitat	12/1/2003	11/30/2010		15.00			20.00	ID	NA	☑	CS	impaired habitat	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	40.80	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	19		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	19		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	20		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	11	1.86	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	11	0.60	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	11	2.46	0		1,140.00	AD	FS	☐	FS		

SEGID 0608D Hickory Creek

AUID 0608D_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	13		0		7.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14		0		22.15	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14		0		88.73	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14		0		113.86	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14		0		1.26	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	13		2	1755	991.00	AD	NS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	14		0		2.23	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	13	0.28	0		0.28	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14	2.27	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14	2.09	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	14	0.94	0		1.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14	1.72	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14	1.39	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.48	0		5.00	AD	FS	☐	FS		

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AUID 0608D_01 Entire water body

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	81.93	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	14	2.09	0		1,140.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	14	1.72	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	13	0.36	0		3.83	AD	FS	☐	FS		

SEGID 0608E Mill Creek in Hardin County

AUID 0608E_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		1	0.09	2.00	ID	NA	☑	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		1	0.06	1.50	ID	NA	☑	NS	depressed dissolved oxygen	5c
Habitat	Habitat	12/1/2005	11/30/2012	2	18.00	0			AD	NC	☐	NC		
Macrobenthic Community	Macrobenthic Community	12/1/2005	11/30/2012	2	30.00	0			AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2005	11/30/2012	2	44.00	0			AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	1		0		0.33	ID	NA	☐	NA		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	1		0		0.69	ID	NA	☐	NA		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	1		0		14.10	ID	NA	☐	NA		

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SEGID 0608F Turkey Creek

AUID 0608F_01 From the confluence with Village Creek (0608) in Hardin County, per WQS App. D, upstream to confluence with Big Cypress Creek in Tyler County about 0.88 km north of FM 1943 RD E at NHD RC 12020006000052.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	78.37	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	19		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	20		0		1.95	AD	NC	☐	NC		

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AUID **0608F_02** From the confluence with Big Cypress Creek in Tyler County upstream to confluence with unnamed tributary about 1.6 km above U.S. 69 north of City of Woodville, per WQS App. D, at NHD RC 12020006000057

USE **Aquatic Life Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	13		1	5.2	5.71	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14		0		206.52	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	14		0		22.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14		0		3.35	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	14		1	1081	991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14		0		257.95	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14		0		51.62	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	14	1.57	0		14.81	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	14	2.54	0		22.33	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	14	0.48	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	14	2.05	0		9.86	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	13	1.20	0		1.76	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	14	0.03	0		0.06	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	14	2.77	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	14	0.27	0		0.28	AD	FS	☑	PI	lead in water	

AUID 0608F_02 From the confluence with Big Cypress Creek in Tyler County upstream to confluence with unnamed tributary about 1.6 km above U.S. 69 north of City of Woodville, per WQS App. D, at NHD RC 12020006000057

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	146.88	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		1	0.86	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	14	1.57	0		502.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	14	0.37	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	14	2.05	0		1,140.00	AD	FS	☐	FS		

SEGID 0608G Lake Kimball

AUID 0608G_01 Entire lake

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

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SEGID 0609 Angelina River Below Sam Rayburn Reservoir

AUID 0609_01 Entire Segment

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		4.57	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		17.04	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		169.09	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		42.25	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		2.66	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	1		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		212.55	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	0.70	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.04	0		0.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	0.50	0		21.45	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.23	0		2.60	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.05	0		0.47	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	0.70	0		14.45	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.08	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	0.87	0		32.75	ID	NA	☐	NA		

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AUID 0609_01 Entire Segment

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	9.59	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	28	85.92	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	28	12.84	0		70.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	28	21.25	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	4		0		14.10	LD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	mercury in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	2	0.80	0		332.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	2	0.05	0		1.15	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	2	0.50	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	2	0.05	0		5.00	ID	NA	☐	NA		

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AUID **0609_01** Entire Segment

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	25	0.05	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	2	0.10	0		50.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	2	0.80	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	2	0.05	0		1.15	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	2	0.05	0		5.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Barium	12/1/2005	11/30/2012	2	48.15	0		2,000.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	2	0.50	0		10.00	ID	NA	☐	NA		

SEGID 0610 Sam Rayburn Reservoir

AUID 0610_01 Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	44		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	44		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	26		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	26		0		17.61	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	26		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	26		0		43.31	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	26		0		173.31	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	26		0		4.69	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	26		0		217.68	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	26		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	26		0		2.73	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	26	2.00	0		25.36	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	26	0.32	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	26	2.50	0		17.18	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	26	2.00	0		38.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	26	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	26	1.41	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	26	0.07	0		0.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	26	0.61	0		3.09	AD	FS	☐	FS		

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AUID 0610_01 Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	45	1.80	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	45		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	45		1	8.6	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	45		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		

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AUID 0610_01 Sam Rayburn main pool by the dam to the Bear Creek and Ayish Arms

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	42		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	37		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	43		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	44		10	0.22	0.11	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	26	0.11	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	26	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	26	0.10	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	26	2.50	0		332.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59	0.12	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59	0.22	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59	2.70	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59	0.11	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59	1.42	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		

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AUID 0610_02 Sam Rayburn lower Angelina River arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	22		1	4.4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	22		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	22	1.12	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	22		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	22		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	22		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		

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AUID 0610_02 Sam Rayburn lower Angelina River arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		10	0.21	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	22		1	0.22	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	22		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	11		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		

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AUID 0610_03 Sam Rayburn mid-Angelina River arm (area around SH 147)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	33		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	33		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	7		0		991.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	7		0		340.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	7		0		2.86	LD	NC	☐	NC		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	7		0		225.96	LD	NC	☐	NC		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	7		0		4.90	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	7		0		18.53	LD	NC	☐	NC		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	7		0		180.12	LD	NC	☐	NC		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	7		0		20.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	7		0		45.01	LD	NC	☐	NC		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	7	1.25	0		150.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	7	2.00	0		38.96	LD	NC	☐	NC		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	7	0.16	0		5.00	LD	NC	☐	NC		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	7	2.50	0		17.18	LD	NC	☐	NC		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	7	0.03	0		0.59	LD	NC	☐	NC		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	7	0.33	0		3.09	LD	NC	☐	NC		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	7	0.05	0		0.10	LD	NC	☑	PI	cadmium in water	
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	7	2.00	0		25.36	LD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0610_03 Sam Rayburn mid-Angelina River arm (area around SH 147)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	33	2.10	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	33		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	33		3	8.78	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	33		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	31		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	31		0		0.20	AD	NC	☐	NC		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0610_03** Sam Rayburn mid-Angelina River arm (area around SH 147)

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	30		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	32		5	0.2	0.11	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	7	0.05	0		5.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	7	2.00	0		62.00	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	7	0.03	0		1.15	LD	NC	☐	NC		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	7	2.50	0		332.00	LD	NC	☐	NC		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59	0.22	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59	0.11	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59	1.42	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59	2.70	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59	0.12	0		1.15	AD	FS	☐	FS		

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AUID 0610_04 Sam Rayburn upper mid-Angelina River arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	30		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		0		3.00	ID	NA	☐	NA		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	32	1.60	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	31		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	29		4	8.9	8.50	AD	CN	☐	CN	pH	

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AUID 0610_04 Sam Rayburn upper mid-Angelina River arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	29		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	32		2	0.32	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	31		4	39.8	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	32		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	32		11	0.25	0.11	AD	CS	☐	CS	ammonia	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		

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AUID 0610_05 Sam Rayburn lower Attoyac Bayou arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	20	1.46	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	19		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	19		1	9.2	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	19		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		

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AUID **0610_05** Sam Rayburn lower Attoyac Bayou arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		11	0.34	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	20		1	0.23	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	20		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	19		3	32.03	26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		

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AUID 0610_06 Sam Rayburn upper Attoyac Bayou arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		4	3.94	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	2.34	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	3		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	3		0		3.00	ID	NA	☐	NA		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	25.55	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		

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AUID 0610_06 Sam Rayburn upper Attoyac Bayou arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Low pH	pH	12/1/2005	11/30/2012	28		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		5	0.5	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		4	36.5	26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0610_07 Sam Rayburn upper Angelina arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	48		2	3.15	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	48		1	1.4	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		0		3.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	26		0		21.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	26		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	26		0		49.49	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	26		0		198.02	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	24		2	6.01	5.45	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	26		0		247.67	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	26		0		3.19	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	26		0		991.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	26		0		340.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	26	2.54	0		38.96	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	26	0.33	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	26	0.15	0		0.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	26	2.95	0		17.18	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	26	2.00	0		25.36	AD	FS	☐	FS		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	26	1.85	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	26	0.05	0		0.10	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	24	1.53	0		3.09	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0610_07 Sam Rayburn upper Angelina arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	48	7.07	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	49		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	47		2	9.1	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	47		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		

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AUID 0610_07 Sam Rayburn upper Angelina arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	47		2	0.53	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	48		12	38.52	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	48		8	0.2	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	48		8	0.37	0.20	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	26	0.13	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	26	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	26	0.18	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	26	2.95	0		332.00	AD	FS	☐	FS		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59	0.11	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59	0.22	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59	2.70	0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59	1.42	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59	0.12	0		1.15	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID 0610_08 Sam Rayburn Bear Creek arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	21	2.33	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	21		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	19		1	8.6	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	19		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		

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AUID **0610_08** Sam Rayburn Bear Creek arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	21		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	20		12	0.23	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	21		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	15		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		

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AUID 0610_09 Sam Rayburn lower Ayish Bayou arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		1	1.5	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		1	1.5	3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	1.27	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		

2014 Texas Integrated Report: Assessment Results for Basin 6 - Neches River

AUID **0610_09** Sam Rayburn lower Ayish Bayou arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	16		0		26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		15	0.22	0.11	AD	CS	☐	CS	ammonia	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140		0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		

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AUID 0610_10 Sam Rayburn upper Ayish Bayou arm

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		4	4.13	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Toxic Substances in sediment	Cadmium	12/1/2005	11/30/2012	79		0		4.98	AD	NC	☐	NC		
Toxic Substances in sediment	Chromium	12/1/2005	11/30/2012	79		0		111.00	AD	NC	☐	NC		
Toxic Substances in sediment	Copper	12/1/2005	11/30/2012	79		0		149.00	AD	NC	☐	NC		
Toxic Substances in sediment	Lead	12/1/2005	11/30/2012	79		0		128.00	AD	NC	☐	NC		
Toxic Substances in sediment	Manganese	12/1/2005	11/30/2012	79		26	1433.08	1,100.00	AD	CS	☐	CS	manganese in sediment	
Toxic Substances in sediment	Mercury	12/1/2005	11/30/2012	74		0		1.06	AD	NC	☐	NC		
Toxic Substances in sediment	Nickel	12/1/2005	11/30/2012	79		0		48.60	AD	NC	☐	NC		
Toxic Substances in sediment	Silver	12/1/2005	11/30/2012	79		2	3.59	2.20	AD	NC	☐	NC		
Toxic Substances in sediment	Zinc	12/1/2005	11/30/2012	79		0		459.00	AD	NC	☐	NC		
Toxic Substances in sediment	Iron	12/1/2005	11/30/2012	79		33	54503.03	40,000.00	AD	CS	☐	CS	iron in sediment	
Toxic Substances in sediment	Arsenic	12/1/2005	11/30/2012	79		7	40.04	33.00	AD	NC	☐	NC		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	24.85	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	28		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	28		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	311	101.99	0		400.00	AD	FS	☐	FS		

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AUID **0610_10** Sam Rayburn upper Ayish Bayou arm

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Solids	Chloride	12/1/2005	11/30/2012	302	15.73	0		100.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	305	22.52	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		1	0.19	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	27		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		1	0.58	0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		1	43.7	26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012						ID	NA	☑	CS	mercury in edible tissue	

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	59		0		332.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	294	0.06	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	59		0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	59		0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	140	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	59		0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	59		0		5.00	AD	FS	☐	FS		

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SEGID 0610A Ayish Bayou

AUID 0610A_01 From the headwaters of Sam Rayburn Reservoir, per WQS App. D, about 2.4 km north of FM 83 upstream to confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad at NHD RC 12020005000036.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	23		3	4.17	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	29		1	1.7	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		20.45	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	3		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		48.50	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		194.06	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		242.88	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		3.12	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		5.33	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.17	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		0.10	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.39	0		3.09	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.11	0		0.59	ID	NA	☑	PI	lead in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		17.18	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	2.00	0		38.96	ID	NA	☐	NA		

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AUID 0610A_01 From the headwaters of Sam Rayburn Reservoir, per WQS App. D, about 2.4 km north of FM 83 upstream to confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad at NHD RC 12020005000036.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	151.45	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		7	0.62	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		2	29.35	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.18	0		3.83	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		1,140.00	ID	NA	☐	NA		

AUID 0610A_02 From the confluence with unnamed tributary about 0.4 km SW of intersection of SH 147 and AT and SF Railroad in the City of San Augustine upstream to the Bland Lake dam, per WQS App. D.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	11	223.99	1		126.00	LD	NS	☑	NS	bacteria	5b

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SEGID 0610O City Lake

AUID 0610O_01 Entire lake from dam of Carrizo Creek south of City of San Augustine at NHD RC 12020005001075.

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bioaccumulative Toxics in fish tissue	Aldrin	12/1/2005	11/30/2012	2		0		0.14	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Lead	12/1/2005	11/30/2012	2		0		0.60	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Zinc	12/1/2005	11/30/2012	2		0		525.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Toxaphene	12/1/2005	11/30/2012	2		0		0.83	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Selenium	12/1/2005	11/30/2012	2		0		4.38	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	PCBs	12/1/2005	11/30/2012	2		0		0.13	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Nickel	12/1/2005	11/30/2012	2		0		35.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mirex	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Mercury	12/1/2005	11/30/2012	2		0		0.53	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Hexachlorobenzene (HCB)	12/1/2005	11/30/2012	2		0		0.61	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor epoxide	12/1/2005	11/30/2012	2		0		0.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Heptachlor	12/1/2005	11/30/2012	2		0		0.20	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Dieldrin	12/1/2005	11/30/2012	2		0		0.06	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Copper	12/1/2005	11/30/2012	2		0		250.00	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Chromium	12/1/2005	11/30/2012	2		0		5.25	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Arsenic	12/1/2005	11/30/2012	2		0		0.04	ID	NA	☐	NA		
Bioaccumulative Toxics in fish tissue	Cadmium	12/1/2005	11/30/2012	2		0		0.23	ID	NA	☐	NA		

SEGID 0611 Angelina River Above Sam Rayburn Reservoir

AUID 0611_01 From the aqueduct crossing upstream to the confluence with Old River Channel in Nacogdoches County about 2.8 km downstream of County Hwy 2625 at NHD RC 12020004000039.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		1	4.33	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	91.53	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		1	9	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	108	164.50	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	104	32.63	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	104	24.12	0		125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	27		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	27		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	25		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		2	20.55	14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	34	0.13	0		4.00	AD	FS	☐	FS		

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AUID **0611_01** From the aqueduct crossing upstream to the confluence with Old River Channel in Nacogdoches County about 2.8 km downstream of County Hwy 2625 at NHD RC 12020004000039.

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	91	0.23	0		10.00	AD	FS	☐	FS		

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AUID **0611_02** From a point immediately upstream of the confluence with Old River channel about 2.8 km downstream of County Hwy 2625 upstream to the confluence with Mud Creek (0611C)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		2	4.65	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	49	115.72	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	26		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	26		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	26		1	5.6	6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	108	164.50	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	104	24.12	0		125.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	104	32.63	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	26		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	25		3	25.43	14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	34	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	91	0.23	0		10.00	AD	FS	☐	FS		

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AUID 0611_03 — From a point immediately upstream of the confluence with Mud Creek (0611C) upstream to the confluence with East Fork Angelina River (0611A)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		3	4.33	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	0		1	1228	991.00	ID	NS	☑	PI	aluminum in water	
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	0				0.74	ID	CN	☑	PI	lead in water	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	27	124.71	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	28		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	26		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	26		1	5.6	6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	108	164.50	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	104	24.12	0		125.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	104	32.63	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		1	52.1	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		7	0.62	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		0		0.69	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	34		0		4.00	AD	FS	☐	FS		

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AUID **0611_03** From a point immediately upstream of the confluence with Mud Creek (0611C) upstream to the confluence with East Fork Angelina River (0611A)

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	91	0.23	0		10.00	AD	FS	☐	FS		

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AUID 0611_04 — From a point immediately upstream of confluence with East Fork Angelina River (0611A) upstream to confluence with Barnhardt and Mill Creeks.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		2	4.1	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	226.73	1		126.00	AD	NS	☐	NS	bacteria	5c

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	25		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	25		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	25		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	104	32.63	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	108	164.50	0		250.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	104	24.12	0		125.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	25		6	1.76	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		1.95	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	34	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	91	0.23	0		10.00	AD	FS	☐	FS		

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SEGID 0611A East Fork Angelina River

AUID 0611A_01 From the confluence with Angelina River (0611) at Rusk/Nacogdoches county line upstream to confluence with Beech Creek (0611J) in Rusk County

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	4.3	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	41	173.14	1		126.00	AD	NS	☐	NS	bacteria	5b

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AUID 0611A_02 — From a point immediately upstream of confluence with Beech Creek (0611J) upstream to confluence with Wooten Creek (0611P)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		2	1.85	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	19		1	0.5	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	1		0		3.39	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1		0		52.13	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1		0		208.56	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	10		0		22.20	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1		0		260.42	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	1		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	1		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	1		0		5.77	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1	2.00	0		52.04	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	1	6.25	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	1	0.06	0		0.13	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		33.55	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	1	1.00	0		4.14	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	10	0.10	0		0.87	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		22.94	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	7	129.49	1		126.00	LD	CN	☐	CN	bacteria	

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AUID **0611A_02** From a point immediately upstream of confluence with Beech Creek (0611J) upstream to confluence with Wooten Creek (0611P)

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	14		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	11		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	12		1	109	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	14		0		1.95	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	10	0.10	0		3.83	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		1,140.00	ID	NA	☐	NA		

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SEGID 0611B La Nana Bayou

AUID 0611B_01 From the confluence with Angelina River (0611), per WQS App. D, upstream to State Loop 224 in City of Nacogdoches

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		1	3.9	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	51	261.29	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		12	4.9	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		9	1.43	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		22	2	0.69	AD	CS	☐	CS	total phosphorus	

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AUID **0611B_02** From the upstream side of State Loop 224 upstream to FM 1878 in City of Nacogdoches, per WQS App. D.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		2	3.45	4.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	20		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	44	504.26	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	21		1	5.68	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	21		2	0.58	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	21		1	0.86	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	21		0		14.10	AD	NC	☐	NC		

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AUID **0611B_03** From the upstream side of FM 1878 in City of Nacogdoches upstream to confluence with Banita Creek.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	13		2	3.55	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	16		2	2.05	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		1	0.8	5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		1	0.12	3.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	13	170.07	1		126.00	LD	CN	☐	CN	bacteria	

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	16		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	16		1	0.37	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	16		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	16		1	71.4	14.10	AD	NC	☐	NC		

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SEGID 0611C Mud Creek

AUID 0611C_01 — From the confluence with Angelina River (0611), per WQS App. D, at the Cherokee and Nacogdoches county line south of City of Reklaw upstream to top of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		5	3.64	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	2.6	3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	3		0		991.00	ID	NS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3		0		67.05	ID	NA	☐	NA		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3		0		20.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3		0		268.16	ID	NA	☐	NA		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	3		0		31.31	ID	NA	☐	NA		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	3		0		7.63	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3		0		332.17	ID	NA	☐	NA		
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3		0		340.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3		0		4.52	ID	NA	☐	NA		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	3	0.16	0		0.87	ID	NA	☑	PI	lead in water	
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		22.94	ID	NA	☐	NA		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	3	0.13	0		5.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		33.55	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	3	2.00	0		52.04	ID	NA	☐	NA		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	3	0.05	0		0.13	ID	NA	☐	NA		
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	3	1.17	0		150.00	ID	NA	☐	NA		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	3	0.77	0		4.14	ID	NA	☐	NA		

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AUID **0611C_01** From the confluence with Angelina River (0611), per WQS App. D, at the Cherokee and Nacogdoches county line south of City of Reklaw upstream to top of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	52	148.29	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		6	0.74	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		2	22.2	14.10	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	3	2.50	0		1,140.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	3	2.00	0		502.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	3	0.18	0		3.83	ID	NA	☐	NA		

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AUID **0611C_02** From a point immediately upstream of channelized/dredged portion about 2.3 km south of US hwy 79 at -95.150452N/31.956933W upstream to confluence with Prairie Creek in Smith County, per WQS App. D

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		1	4	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	28		0		3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	2		0		5.00	ID	NA	☐	NA		
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	2		0		3.00	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	28	133.31	1		126.00	JQ	NS	☐	CN	bacteria	

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	28		1	2.07	1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	28		6	0.74	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	28		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		0		14.10	AD	NC	☐	NC		

SEGID 0611D West Mud Creek

AUID 0611D_01 From the confluence with Mud Creek (0611C), per WQS App. D, upstream to confluence with unnamed tributary about 75 m north of WWTP in City of Tyler at NHD RC 12020004000212.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		2.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	62	246.84	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	56		2	0.96	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	54		0		14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	55		27	4.72	1.95	AD	CS	☐	CS	nitrate	
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	56		22	0.61	0.33	AD	CS	☐	CS	ammonia	

AUID 0611D_02 From the confluence with unnamed tributary about 75 m north of WWTP in City of Tyler upstream to confluence of unnamed tributary about 300 meters upstream of the most northern crossing of US 69 in City of Tyler, per WQS App. D, at NHD RC 12020004000212.

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	0				126.00	ID	NA	☑	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	0				0.33	ID	NA	☑	CS	ammonia	

SEGID 0611Q Lake Nacogdoches

AUID 0611Q_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	56	1.68	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	56		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	56		20	0.21	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	56		2	0.55	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	54		1	37.4	26.70	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	56	0.07	0		10.00	AD	FS	☐	FS		

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SEGID 0611R Lake Striker

AUID 0611R_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	54		1	4.6	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	54		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	44	3.16	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	52		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	50		15	0.37	0.11	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	50		2	0.43	0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	48		0		26.70	AD	NC	☐	NC		

SEGID 0612 Attoyac Bayou

AUID 0612_01 From the lower boundary approximately at confluence with Granberry Branch upstream to confluence with Polly Branch.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		5	4.24	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	56		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	71	178.54	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	57		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	56		6	8.68	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	57		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	68	20.86	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	68	12.11	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	267	108.41	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	61		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	61		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	61		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	13		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	242	0.19	0		10.00	AD	FS	☐	FS		

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AUID 0612_02 — From a point immediately upstream of Polly Branch confluence upstream to confluence with Bear Bayou.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	100		17	3.51	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	111		11	1.76	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	115	195.04	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	114		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	112		1	8.6	8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	112		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	68	12.11	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	68	20.86	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	267	108.41	0		200.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	119		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	119		14	0.56	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	119		3	0.77	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	28		0		14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	242	0.19	0		10.00	AD	FS	☐	FS		

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AUID 0612_03 — From a point immediately upstream of Bear Bayou upstream to upper boundary at FM 95.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	67		24	3.14	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	73		8	1.6	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	109	147.25	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	94		0		32.20	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	91		0		8.50	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	91		0		6.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	267	108.41	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	68	12.11	0		75.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	68	20.86	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	98		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	98		29	1.24	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	98		3	1.86	0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	27		2	195.45	14.10	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	242	0.19	0		10.00	AD	FS	☐	FS		

SEGID 0612A Terrapin Creek

AUID 0612A_01 Entire water body

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	45		4	0.54	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	45		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	45		0		1.95	AD	NC	☐	NC		

SEGID 0612B Waffelow Creek

AUID 0612B_01 From the confluence of Naconiche Creek north of Martinsville in Nacogdoches County upstream to confluence with unnamed tributary about 0.27 km west of CR 234 at NHD RC 12020005000207.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	22		6	3	5.00	AD	CS	☐	CS	depressed dissolved oxygen	
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		3	1.6	3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	45	106.34	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	45		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	45		12	0.85	0.33	AD	CS	☐	CS	ammonia	
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	45		0		0.69	AD	NC	☐	NC		

SEGID 0612D Naconiche Creek

AUID 0612D_01 From the confluence with the Attoyac Bayou in Nacogdoches Co. to the headwaters approximately 3.2 km upstream of FM-1087 in Rusk Co.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	43		5	2.82	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	43		3	1.73	3.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	46		0		0.69	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	46		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	46		1	0.39	0.33	AD	NC	☐	NC		

SEGID 0612E Big Iron Ore Creek

AUID 0612E_01 From the confluence with the Attoyac Bayou in San Augustine Co. to the headwaters approximately 4.3 km upstream of US Hwy 96 in San Augustine Co.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	42		3	3.8	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	42		0		3.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	48		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	48		1	0.68	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	48		0		0.69	AD	NC	☐	NC		

SEGID 0612F West Creek

AUID 0612F_01 From the confluence with Attoyac Bayou in Shelby Co. to the headwaters approximately 2.2 km upstream of CR 4054 in Shelby Co.

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	42		1	1.4	3.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	42		1	1.4	2.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	45		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	45		0		0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	45		0		0.69	AD	NC	☐	NC		

SEGID 0613 Lake Tyler/Lake Tyler East

AUID 0613_01 Lake Tyler lower reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	18	2.87	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	25		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	25		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	95	78.02	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	97	13.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	97	9.70	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		2	0.17	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	20		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	23		2	34.5	26.70	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	97	0.04	0		10.00	AD	FS	☐	FS		

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AUID **0613_01** Lake Tyler lower reservoir

USE **Public Water Supply Use**

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	97	0.13	0		4.00	AD	FS	☐	FS		

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AUID 0613_02 Lake Tyler upper reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	19	4.43	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	25		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	25		1	10.05	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	95	78.02	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	97	13.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	97	9.70	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	23		4	32.2	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		1	0.21	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	20		0		0.20	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	97	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	97	0.04	0		10.00	AD	FS	☐	FS		

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AUID 0613_03 Lake Tyler East lower reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		2	4.16	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	18	3.92	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	25		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	25		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	25		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	97	9.70	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	95	78.02	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	97	13.02	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	22		1	30.1	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	19		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	24		1	0.22	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	24		0		0.37	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	97	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	97	0.04	0		10.00	AD	FS	☐	FS		

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AUID 0613_04 Lake Tyler East upper reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	24		0		3.00	AD	FS	☐	FS		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	18	5.64	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	24		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	24		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	24		1	5.85	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	95	78.02	0		200.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	97	13.02	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	97	9.70	0		50.00	AD	FS	☐	FS		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	23		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	23		1	0.12	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	18		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	21		3	34.4	26.70	AD	NC	☐	NC		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	97	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	97	0.04	0		10.00	AD	FS	☐	FS		

SEGID 0614 Lake Jacksonville

AUID 0614_01 Lower reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	27		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1		0		117.55	ID	NA	☐	NA		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1		0		29.36	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	1		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1		0		149.49	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		17.18	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1	4.67	0		38.96	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	19	2.21	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	27		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	27		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	27		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	54	63.77	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	54	9.13	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	54	7.02	0		75.00	AD	FS	☐	FS		

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AUID 0614_01 Lower reservoir

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	26		1	0.2	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.20	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		0.37	AD	NC	☐	NC		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	26		0		26.70	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		332.00	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	54	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	2	2.50	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	52	0.04	0		10.00	AD	FS	☐	FS		

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AUID 0614_02 Upper reservoir

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	26		0		3.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1		0		31.07	ID	NA	☐	NA		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	1		0		991.00	ID	NA	☐	NA		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1		0		157.91	ID	NA	☐	NA		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1		0		124.40	ID	NA	☐	NA		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	1	2.00	0		38.96	ID	NA	☐	NA		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		25.36	ID	NA	☐	NA		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		17.18	ID	NA	☐	NA		

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	19	3.02	0		126.00	LD	NC	☐	NC		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	26		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	26		2	9.43	9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	26		0		6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	54	63.77	0		750.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	54	9.13	0		50.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	54	7.02	0		75.00	AD	FS	☐	FS		
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		1	46.4	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	26		0		0.37	AD	NC	☐	NC		

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AUID **0614_02** Upper reservoir

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	24		1	0.14	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		0		0.20	AD	NC	☐	NC		

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	1	2.00	0		62.00	ID	NA	☐	NA		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	1	2.50	0		332.00	ID	NA	☐	NA		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	54	0.13	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	2	2.50	0		332.00	ID	NA	☐	NA		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	52	0.04	0		10.00	AD	FS	☐	FS		

SEGID 0615 Angelina River/Sam Rayburn Reservoir

AUID 0615_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	52		5	4.04	5.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	52		1	2.85	3.00	AD	FS	☐	FS		
Dissolved Oxygen 24hr average	Dissolved Oxygen 24hr Avg	12/1/2005	11/30/2012	4		1	3.9	5.00	LD	NC	☑	NS	depressed dissolved oxygen	5c
Dissolved Oxygen 24hr minimum	Dissolved Oxygen 24hr Min	12/1/2005	11/30/2012	4		0		3.00	LD	NC	☐	NC		
Acute Toxic Substances in water	Lead	12/1/2005	11/30/2012	44		0		30.61	AD	FS	☐	FS		
Acute Toxic Substances in water	Selenium	12/1/2005	11/30/2012	45		0		20.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Zinc	12/1/2005	11/30/2012	45		0		65.91	AD	FS	☐	FS		
Acute Toxic Substances in water	Nickel	12/1/2005	11/30/2012	45		0		263.60	AD	FS	☐	FS		
Acute Toxic Substances in water	Chromium	12/1/2005	11/30/2012	45		0		326.69	AD	FS	☐	FS		
Acute Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	45		0		4.43	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	45		0		991.00	AD	FS	☑	PI	aluminum in water	
Acute Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	45		0		340.00	AD	FS	☐	FS		
Acute Toxic Substances in water	Copper	12/1/2005	11/30/2012	35		0		7.49	AD	FS	☐	FS		
Chronic Toxic Substances in water	Nickel	12/1/2005	11/30/2012	45	2.95	0		17.18	AD	FS	☐	FS		
Chronic Toxic Substances in water	Selenium	12/1/2005	11/30/2012	45	0.13	0		5.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Lead	12/1/2005	11/30/2012	44	0.09	0		0.59	AD	FS	☐	FS		
Chronic Toxic Substances in water	Copper	12/1/2005	11/30/2012	35	1.52	0		3.09	AD	FS	☐	FS		
Chronic Toxic Substances in water	Chromium	12/1/2005	11/30/2012	45	2.00	0		25.36	AD	FS	☐	FS		
Chronic Toxic Substances in water	Cadmium	12/1/2005	11/30/2012	45	0.05	0		0.10	AD	FS	☐	FS		

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AUID 0615_01 Entire water body

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Chronic Toxic Substances in water	Arsenic	12/1/2005	11/30/2012	45	1.67	0		150.00	AD	FS	☐	FS		
Chronic Toxic Substances in water	Zinc	12/1/2005	11/30/2012	45	2.53	0		38.96	AD	FS	☐	FS		
Fish Community	Fish Community	12/1/2003	11/30/2010						ID	NA	☑	NS	impaired fish community	5c

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	52	61.26	0		126.00	AD	FS	☐	FS		

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Water Temperature	Temperature	12/1/2005	11/30/2012	52		0		33.90	AD	FS	☐	FS		
High pH	pH	12/1/2005	11/30/2012	52		0		9.00	AD	FS	☐	FS		
Low pH	pH	12/1/2005	11/30/2012	52		2	6.35	6.50	AD	FS	☐	FS		
Dissolved Solids	Total Dissolved Solids	12/1/2005	11/30/2012	54	162.35	0		500.00	AD	FS	☐	FS		
Dissolved Solids	Chloride	12/1/2005	11/30/2012	49	23.59	0		150.00	AD	FS	☐	FS		
Dissolved Solids	Sulfate	12/1/2005	11/30/2012	52	27.33	0		100.00	AD	FS	☐	FS		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	52		4	0.15	0.11	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	49		20	0.3	0.20	AD	CS	☐	CS	total phosphorus	
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	50		3	94.63	26.70	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	52		19	0.6	0.37	AD	CS	☐	CS	nitrate	

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2005	11/30/2012						OE	NS	☐	NS	dioxin in edible tissue	5c
DSHS Advisories, Closures, and Risk Assessments	Restricted-Consumption	12/1/2003	11/30/2010						OE	NS	☐	NS	mercury in edible tissue	5c

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AUID 0615_01 Entire water body

USE Fish Consumption Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
HH Bioaccumulative Toxics in water	Cadmium	12/1/2005	11/30/2012	45	0.10	0		5.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Chromium	12/1/2005	11/30/2012	45	2.00	0		62.00	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Lead	12/1/2005	11/30/2012	44	0.11	0		1.15	AD	FS	☐	FS		
HH Bioaccumulative Toxics in water	Nickel	12/1/2005	11/30/2012	45	2.95	0		332.00	AD	FS	☐	FS		

USE Public Water Supply Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Surface Water HH criteria for PWS average	Fluoride	12/1/2005	11/30/2012	52	0.15	0		4.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Selenium	12/1/2005	11/30/2012	45	0.13	0		50.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nitrate	12/1/2005	11/30/2012	52	0.35	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Lead	12/1/2005	11/30/2012	44	0.11	0		1.15	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Cadmium	12/1/2005	11/30/2012	45	0.10	0		5.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Arsenic	12/1/2005	11/30/2012	45	1.61	0		10.00	AD	FS	☐	FS		
Surface Water HH criteria for PWS average	Nickel	12/1/2005	11/30/2012	45	2.95	0		332.00	AD	FS	☐	FS		

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SEGID 0615A Paper Mill Creek

AUID 0615A_01 From the confluence of Angelina River/Sam Rayburn (0615) upstream to confluence with Mill Creek (0615B)

USE Aquatic Life Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Dissolved Oxygen grab screening level	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		2.00	AD	NC	☐	NC		
Dissolved Oxygen grab minimum	Dissolved Oxygen Grab	12/1/2005	11/30/2012	25		0		1.50	AD	FS	☐	FS		
Acute Toxic Substances in water	Aluminum	12/1/2005	11/30/2012	0				991.00	ID	NS	☑	PI	aluminum in water	

USE Recreation Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Bacteria Geomean	E. coli	12/1/2005	11/30/2012	25	134.25	1		126.00	AD	NS	☐	NS	bacteria	5b

USE General Use

Method	Parameter	ASMT Start Date	ASMT End Date	# Assd	Mean assd	# exceed	Mean exceed	Criteria	DS Qual	LOS	CF	Int LOS	TCEQ Cause	Cat
Nutrient Screening Levels	Chlorophyll-a	12/1/2005	11/30/2012	24		4	47.88	14.10	AD	NC	☐	NC		
Nutrient Screening Levels	Nitrate	12/1/2005	11/30/2012	25		0		1.95	AD	NC	☐	NC		
Nutrient Screening Levels	Ammonia	12/1/2005	11/30/2012	25		1	0.67	0.33	AD	NC	☐	NC		
Nutrient Screening Levels	Total Phosphorus	12/1/2005	11/30/2012	23		3	0.88	0.69	AD	NC	☐	NC		