

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

**2008 Supp (level of support) and Integ Supp (integrated 303(d) level of support) identifiers:** FS- Fully Supporting; CN- Concern for Near non-attainment; CS- Concern for Screening level; NS- Non-Supporting; NA- Not assessed; NC- No concern; **Dataset Qualifiers:** AD- Adequate Data; ID- Inadequate Data; LD- Limited Data; TR- Not Temporally Representative; SR- Not Spatially Representative; SM- Superseded by another method; JQ- Assessor Judgement; OE- Other Information Evaluated; OS- Out-of-State; AU ID - Assessment Unit ID \*Note: Carry-forward refers to impairments without sufficient information in 2008 to re-evaluate the level of support.

**Segment ID: 1601 Lavaca River Tidal**

**Water body type:** Tidal Stream

**Water body size:** 23 Miles

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	1601_01	Upper 12.5 miles of segment	29	11	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	1601_02	Middle 3.5 miles of segment	528	147	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	1601_03	Lower 7.0 miles of segment	74	28	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	1601_01	Upper 12.5 miles of segment	29	11	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	1601_02	Middle 3.5 miles of segment	528	147	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	1601_03	Lower 7.0 miles of segment	74	28	0	4.00	AD	NC	NC		No

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### Segment ID: 1601 Lavaca River Tidal

Water body type: Tidal Stream

Water body size: 23 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>High pH</b>												
2008	pH	1601_01	Upper 12.5 miles of segment	29	11	0	9.00	AD	FS	FS		No
2008	pH	1601_02	Middle 3.5 miles of segment	529	147	0	9.00	AD	FS	FS		No
2008	pH	1601_03	Lower 7.0 miles of segment	74	28	0	9.00	AD	FS	FS		No
<b>Low pH</b>												
2008	pH	1601_01	Upper 12.5 miles of segment	29	11	0	6.50	AD	FS	FS		No
2008	pH	1601_02	Middle 3.5 miles of segment	529	147	0	6.50	AD	FS	FS		No
2008	pH	1601_03	Lower 7.0 miles of segment	74	28	0	6.50	AD	FS	FS		No
<b>Nutrient Screening Levels</b>												
2008	Ammonia	1601_01	Upper 12.5 miles of segment	1	1	0	0.46	ID	NA	NA		No
2008	Ammonia	1601_03	Lower 7.0 miles of segment	10	10	0	0.46	AD	NC	NC		No
2008	Nitrate	1601_01	Upper 12.5 miles of segment	1	1	0	1.10	ID	NA	NA		No
2008	Nitrate	1601_03	Lower 7.0 miles of segment	10	10	0	1.10	AD	NC	NC		No
2008	Orthophosphorus	1601_01	Upper 12.5 miles of segment	1	1	0	0.46	ID	NA	NA		No
2008	Total Phosphorus	1601_01	Upper 12.5 miles of segment	1	1	0	0.66	ID	NA	NA		No
2008	Total Phosphorus	1601_03	Lower 7.0 miles of segment	10	10	0	0.66	AD	NC	NC		No
<b>Water Temperature</b>												
2008	Temperature	1601_01	Upper 12.5 miles of segment	29	11	0	35.00	AD	FS	FS		No
2008	Temperature	1601_02	Middle 3.5 miles of segment	529	147	0	35.00	AD	FS	FS		No
2008	Temperature	1601_03	Lower 7.0 miles of segment	74	28	0	35.00	AD	FS	FS		No

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### Segment ID: 1601A Catfish Bayou (unclassified water body)

Water body type: Tidal Stream

Water body size: 2 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	1601A_01 Entire bayou	51	51	0		3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	1601A_01 Entire bayou	51	51	0		4.00	AD	NC	NC		No
<b>General Use</b>												
<b>High pH</b>												
2006	pH	1601A_01 Entire bayou	51	51	0		9.00	AD	FS	FS		No
<b>Low pH</b>												
2006	pH	1601A_01 Entire bayou	51	51	0		6.50	AD	FS	FS		No
<b>Water Temperature</b>												
2006	Temperature	1601A_01 Entire bayou	51	51	0		35.00	AD	FS	FS		No
<b>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2006	Enterococcus	1601A_01 Entire bayou	0	0				ID	NA	NA		No
2006	Fecal coliform	1601A_01 Entire bayou	0	0				ID	NA	NA		No
<b>Bacteria Single Sample</b>												
2006	Enterococcus	1601A_01 Entire bayou	0	0				ID	NA	NA		No
2006	Fecal coliform	1601A_01 Entire bayou	0	0				ID	NA	NA		No

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### Segment ID: 1601B Redfish Bayou (unclassified water body)

**Water body type:** Tidal Stream

**Water body size:** 1 Miles

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
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#### Aquatic Life Use

##### **Dissolved Oxygen grab minimum**

2006	Dissolved Oxygen Grab	1601B_01	Entire bayou	50	50	0	3.00	AD	FS	FS		No
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##### **Dissolved Oxygen grab screening level**

2006	Dissolved Oxygen Grab	1601B_01	Entire bayou	50	50	0	4.00	AD	NC	NC		No
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### Segment ID: 1602 Lavaca River Above Tidal

Water body type: Freshwater Stream

Water body size: 94 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen 24hr average</b>												
2008	Dissolved Oxygen 24hr Avg	1602_01	Upper 29 miles of segment	21	21	11	5.00	AD	NS	NS	5b	No
<b>Dissolved Oxygen 24hr minimum</b>												
2008	Dissolved Oxygen 24hr Min	1602_01	Upper 29 miles of segment	21	21	10	3.00	AD	NS	NS	5b	No
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	1602_01	Upper 29 miles of segment	25	24	0	3.00	SM	NA	NA		No
2008	Dissolved Oxygen Grab	1602_02	Middle 34 miles of segment between SH111 and US90	65	65	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	1602_03	Lower 31 miles of segment	68	68	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	1602_01	Upper 29 miles of segment	25	24	1	5.00	SM	NA	NA		No
2008	Dissolved Oxygen Grab	1602_02	Middle 34 miles of segment between SH111 and US90	65	65	0	5.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	1602_03	Lower 31 miles of segment	68	68	0	5.00	AD	NC	NC		No

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### Segment ID: 1602 Lavaca River Above Tidal

Water body type: Freshwater Stream

Water body size: 94 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Dissolved Solids</b>												
2008	Chloride	1602_01	Upper 29 miles of segment	68	68	63.65	200.00	AD	FS	FS		No
2008	Chloride	1602_02	Middle 34 miles of segment between SH111 and US90	68	68	63.65	200.00	AD	FS	FS		No
2008	Chloride	1602_03	Lower 31 miles of segment	68	68	63.65	200.00	AD	FS	FS		No
2008	Sulfate	1602_01	Upper 29 miles of segment	66	66	35.54	100.00	AD	FS	FS		No
2008	Sulfate	1602_02	Middle 34 miles of segment between SH111 and US90	66	66	35.54	100.00	AD	FS	FS		No
2008	Sulfate	1602_03	Lower 31 miles of segment	66	66	35.54	100.00	AD	FS	FS		No
2008	Total Dissolved Solids	1602_01	Upper 29 miles of segment	36	35	0	454.38	AD	FS	FS		No
2008	Total Dissolved Solids	1602_02	Middle 34 miles of segment between SH111 and US90	65	65	0	448.26	AD	FS	FS		No
2008	Total Dissolved Solids	1602_03	Lower 31 miles of segment	81	81	0	397.14	AD	FS	FS		No
<b>High pH</b>												
2008	pH	1602_01	Upper 29 miles of segment	25	24	0	9.00	AD	FS	FS		No
2008	pH	1602_02	Middle 34 miles of segment between SH111 and US90	65	65	0	9.00	AD	FS	FS		No
2008	pH	1602_03	Lower 31 miles of segment	68	68	0	9.00	AD	FS	FS		No
<b>Low pH</b>												
2008	pH	1602_01	Upper 29 miles of segment	25	24	0	6.50	AD	FS	FS		No
2008	pH	1602_02	Middle 34 miles of segment between SH111 and US90	65	65	0	6.50	AD	FS	FS		No
2008	pH	1602_03	Lower 31 miles of segment	68	68	0	6.50	AD	FS	FS		No

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### Segment ID: 1602 Lavaca River Above Tidal

Water body type: Freshwater Stream

Water body size: 94 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2008	Ammonia	1602_01	Upper 29 miles of segment	22	22	0	0.33	AD	NC	NC		No
2008	Ammonia	1602_02	Middle 34 miles of segment between SH111 and US90	22	22	0	0.33	AD	NC	NC		No
2008	Ammonia	1602_03	Lower 31 miles of segment	23	23	0	0.33	AD	NC	NC		No
2008	Chlorophyll-a	1602_01	Upper 29 miles of segment	11	11	4	14.10	AD	CS	CS		No
2006	Chlorophyll-a	1602_02	Middle 34 miles of segment between SH111 and US90	0	0	0		ID	NA	NA		No
2006	Chlorophyll-a	1602_03	Lower 31 miles of segment	0	0	0		ID	NA	NA		No
2008	Nitrate	1602_01	Upper 29 miles of segment	22	22	0	1.95	AD	NC	NC		No
2008	Nitrate	1602_02	Middle 34 miles of segment between SH111 and US90	22	22	0	1.95	AD	NC	NC		No
2008	Nitrate	1602_03	Lower 31 miles of segment	26	26	0	1.95	AD	NC	NC		No
2008	Orthophosphorus	1602_01	Upper 29 miles of segment	11	11	0	0.37	AD	NC	NC		No
2008	Orthophosphorus	1602_02	Middle 34 miles of segment between SH111 and US90	9	9	0	0.37	LD	NC	NC		No
2008	Orthophosphorus	1602_03	Lower 31 miles of segment	13	13	0	0.37	AD	NC	NC		No
2008	Total Phosphorus	1602_01	Upper 29 miles of segment	22	22	0	0.69	AD	NC	NC		No
2008	Total Phosphorus	1602_02	Middle 34 miles of segment between SH111 and US90	22	22	0	0.69	AD	NC	NC		No
2008	Total Phosphorus	1602_03	Lower 31 miles of segment	24	24	0	0.69	AD	NC	NC		No
<b>Water Temperature</b>												
2008	Temperature	1602_01	Upper 29 miles of segment	66	65	1	32.80	AD	FS	FS		No
2008	Temperature	1602_02	Middle 34 miles of segment between SH111 and US90	64	64	0	32.80	AD	FS	FS		No
2008	Temperature	1602_03	Lower 31 miles of segment	81	81	0	32.80	AD	FS	FS		No

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### Segment ID: 1602 Lavaca River Above Tidal

Water body type: Freshwater Stream

Water body size: 94 Miles

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
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#### Public Water Supply Use

##### Finished Drinking Water Dissolved Solids average

2008	Chloride	1602_02	Middle 34 miles of segment between SH111 and US90				300.00	OE	NC	NC		No
2008	Chloride	1602_03	Lower 31 miles of segment				300.00	OE	NC	NC		No
2008	Multiple	1602_01	Upper 29 miles of segment					OE	NC	NC		No
2008	Sulfate	1602_02	Middle 34 miles of segment between SH111 and US90				300.00	OE	NC	NC		No
2008	Sulfate	1602_03	Lower 31 miles of segment				300.00	OE	NC	NC		No
2008	Total Dissolved Solids	1602_02	Middle 34 miles of segment between SH111 and US90				1,000.00	OE	NC	NC		No
2008	Total Dissolved Solids	1602_03	Lower 31 miles of segment				1,000.00	OE	NC	NC		No

##### Finished Drinking Water MCLs and Toxic Substances running average

2008	Multiple	1602_01	Upper 29 miles of segment					OE	FS	FS		No
2008	Multiple	1602_02	Middle 34 miles of segment between SH111 and US90					OE	FS	FS		No
2008	Multiple	1602_03	Lower 31 miles of segment					OE	FS	FS		No

##### Finished Drinking Water MCLs Concern

2008	Multiple	1602_01	Upper 29 miles of segment					OE	NC	NC		No
2008	Multiple	1602_02	Middle 34 miles of segment between SH111 and US90					OE	NC	NC		No
2008	Multiple	1602_03	Lower 31 miles of segment					OE	NC	NC		No

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### Segment ID: 1602 Lavaca River Above Tidal

Water body type: Freshwater Stream

Water body size: 94 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2008	E. coli	1602_01	Upper 29 miles of segment	10	10	0	65.77	126.00	AD	FS	FS	No
2008	E. coli	1602_02	Middle 34 miles of segment between SH111 and US90	22	22	1	149.74	126.00	AD	NS	NS	5c No
2008	E. coli	1602_03	Lower 31 miles of segment	22	22	1	130.21	126.00	AD	NS	NS	5c No
<b>Bacteria Single Sample</b>												
2008	E. coli	1602_01	Upper 29 miles of segment	10	10	0		394.00	AD	FS	FS	No
2008	E. coli	1602_02	Middle 34 miles of segment between SH111 and US90	22	22	2		394.00	AD	FS	FS	No
2008	E. coli	1602_03	Lower 31 miles of segment	22	22	2		394.00	AD	FS	FS	No

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**Segment ID: 1603**      **Navidad River Tidal**

**Water body type:** Tidal Stream

**Water body size:** 9 Miles

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	1603_01	Entire segment	266	93	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	1603_01	Entire segment	266	93	0	4.00	AD	NC	NC		No
<b>General Use</b>												
<b>High pH</b>												
2008	pH	1603_01	Entire segment	266	93	0	9.00	AD	FS	FS		No
<b>Low pH</b>												
2008	pH	1603_01	Entire segment	266	93	0	6.50	AD	FS	FS		No
<b>Nutrient Screening Levels</b>												
2008	Ammonia	1603_01	Entire segment	25	25	0	0.46	AD	NC	NC		No
2006	Chlorophyll-a	1603_01	Entire segment	0	0			ID	NA	NA		No
2008	Nitrate	1603_01	Entire segment	28	28	0	1.10	AD	NC	NC		No
2008	Orthophosphorus	1603_01	Entire segment	14	14	0	0.46	AD	NC	NC		No
2008	Total Phosphorus	1603_01	Entire segment	26	26	0	0.66	AD	NC	NC		No
<b>Water Temperature</b>												
2008	Temperature	1603_01	Entire segment	266	93	2	32.80	AD	FS	FS		No

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### Segment ID: 1604 Lake Texana

Water body type: Reservoir

Water body size: 11,000 Acres

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Acute Toxic Substances in water</b>												
2006	Multiple	1604_05	Downstream portion of Lake Texana	19	19			AD	FS	FS		No
<b>Chronic Toxic Substances in water</b>												
2006	Multiple	1604_05	Downstream portion of Lake Texana	19	19			AD	FS	FS		No
<b>Dissolved Oxygen 24hr average</b>												
2006	Dissolved Oxygen 24hr Avg	1604_01	Navidad River arm of Lake Texana	11	11	1	5.00	AD	FS	FS		No
<b>Dissolved Oxygen 24hr minimum</b>												
2006	Dissolved Oxygen 24hr Min	1604_01	Navidad River arm of Lake Texana	11	11	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	1604_01	Navidad River arm of Lake Texana	63	63	0	3.00	AD	FS	FS		No
2006	Dissolved Oxygen Grab	1604_02	East Mustang Creek arm of Lake Texana	71	71	0	3.00	AD	FS	FS		No
2006	Dissolved Oxygen Grab	1604_03	Upstream middle portion of Lake Texana	76	76	0	3.00	AD	FS	FS		No
2006	Dissolved Oxygen Grab	1604_05	Downstream portion of Lake Texana	137	137	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	1604_01	Navidad River arm of Lake Texana	63	63	5	5.00	AD	NC	NC		No
2006	Dissolved Oxygen Grab	1604_02	East Mustang Creek arm of Lake Texana	71	71	5	5.00	AD	NC	NC		No
2006	Dissolved Oxygen Grab	1604_03	Upstream middle portion of Lake Texana	76	76	0	5.00	AD	NC	NC		No
2006	Dissolved Oxygen Grab	1604_04	Downstream middle portion of Lake Texana	68	68	0	5.00	AD	NC	NC		No
2006	Dissolved Oxygen Grab	1604_05	Downstream portion of Lake Texana	137	137	5	5.00	AD	NC	NC		No
<b>Fish Consumption Use</b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	DDE	1604_01	Navidad River arm of Lake Texana	13	13	0	0.00	AD	FS	FS		No
2006	DDE	1604_02	East Mustang Creek arm of Lake Texana	13	13	0	0.00	AD	FS	FS		No
2006	DDE	1604_03	Upstream middle portion of Lake Texana	7	7		0.00	LD	NC	NC		No
2006	Multiple	1604_05	Downstream portion of Lake Texana	15	15			AD	FS	FS		No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1604 Lake Texana

Water body type: Reservoir

Water body size: 11,000 Acres

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Dissolved Solids</b>												
2008	Chloride	1604_01	Navidad River arm of Lake Texana	190	190		20.61	100.00	AD	FS	FS	No
2008	Chloride	1604_02	East Mustang Creek arm of Lake Texana	190	190		20.61	100.00	AD	FS	FS	No
2008	Chloride	1604_03	Upstream middle portion of Lake Texana	190	190		20.61	100.00	AD	FS	FS	No
2008	Chloride	1604_04	Downstream middle portion of Lake Texana	190	190		20.61	100.00	AD	FS	FS	No
2008	Chloride	1604_05	Downstream portion of Lake Texana	190	190		20.61	100.00	AD	FS	FS	No
2008	Sulfate	1604_01	Navidad River arm of Lake Texana	175	175		6.36	50.00	AD	FS	FS	No
2008	Sulfate	1604_02	East Mustang Creek arm of Lake Texana	175	175		6.36	50.00	AD	FS	FS	No
2008	Sulfate	1604_03	Upstream middle portion of Lake Texana	175	175		6.36	50.00	AD	FS	FS	No
2008	Sulfate	1604_04	Downstream middle portion of Lake Texana	175	175		6.36	50.00	AD	FS	FS	No
2008	Sulfate	1604_05	Downstream portion of Lake Texana	175	175		6.36	50.00	AD	FS	FS	No
2008	Total Dissolved Solids	1604_01	Navidad River arm of Lake Texana	600	600		143.11	500.00	AD	FS	FS	No
2008	Total Dissolved Solids	1604_02	East Mustang Creek arm of Lake Texana	600	600		143.11	500.00	AD	FS	FS	No
2008	Total Dissolved Solids	1604_03	Upstream middle portion of Lake Texana	600	600		143.11	500.00	AD	FS	FS	No
2008	Total Dissolved Solids	1604_04	Downstream middle portion of Lake Texana	600	600		143.11	500.00	AD	FS	FS	No
2008	Total Dissolved Solids	1604_05	Downstream portion of Lake Texana	600	600		143.11	500.00	AD	FS	FS	No
<b>High pH</b>												
2008	pH	1604_01	Navidad River arm of Lake Texana	305	95	0		9.00	AD	FS	FS	No
2008	pH	1604_02	East Mustang Creek arm of Lake Texana	307	97	0		9.00	AD	FS	FS	No
2008	pH	1604_03	Upstream middle portion of Lake Texana	500	98	0		9.00	AD	FS	FS	No
2008	pH	1604_04	Downstream middle portion of Lake Texana	563	97	0		9.00	AD	FS	FS	No
2008	pH	1604_05	Downstream portion of Lake Texana	1,302	199	0		9.00	AD	FS	FS	No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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**Segment ID: 1604 Lake Texana**

**Water body type:** Reservoir

**Water body size:** 11,000 Acres

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
<b>General Use</b>												
<b>Low pH</b>												
2008	pH	1604_01	Navidad River arm of Lake Texana	305	95	1	6.50	AD	FS	FS		No
2008	pH	1604_02	East Mustang Creek arm of Lake Texana	307	97	0	6.50	AD	FS	FS		No
2008	pH	1604_03	Upstream middle portion of Lake Texana	500	98	0	6.50	AD	FS	FS		No
2008	pH	1604_04	Downstream middle portion of Lake Texana	563	97	0	6.50	AD	FS	FS		No
2008	pH	1604_05	Downstream portion of Lake Texana	1,302	199	0	6.50	AD	FS	FS		No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

2008 Supp (level of support) and Integ Supp (integrated 303(d) level of support) identifiers: FS- Fully Supporting; CN- Concern for Near non-attainment; CS- Concern for Screening level; NS- Non-Supporting; NA- Not assessed; NC- No concern; Dataset Qualifiers: AD- Adequate Data; ID- Inadequate Data; LD- Limited Data; TR- Not Temporally Representative; SR- Not Spatially Representative; SM- Superseded by another method; JQ- Assessor Judgement; OE- Other Information Evaluated; OS- Out-of-State; AU ID - Assessment Unit ID \*Note: Carry-forward refers to impairments without sufficient information in 2008 to re-evaluate the level of support.

### Segment ID: 1604 Lake Texana

Water body type: Reservoir

Water body size: 11,000 Acres

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2008	Ammonia	1604_01	Navidad River arm of Lake Texana	26	26	3	0.11	AD	NC	NC		No
2008	Ammonia	1604_02	East Mustang Creek arm of Lake Texana	29	29	4	0.11	AD	NC	NC		No
2008	Ammonia	1604_03	Upstream middle portion of Lake Texana	25	25	0	0.11	AD	NC	NC		No
2008	Ammonia	1604_04	Downstream middle portion of Lake Texana	24	24	1	0.11	AD	NC	NC		No
2008	Ammonia	1604_05	Downstream portion of Lake Texana	52	52	0	0.11	AD	NC	NC		No
2008	Chlorophyll-a	1604_01	Navidad River arm of Lake Texana	11	11	1	26.70	AD	NC	NC		No
2008	Chlorophyll-a	1604_02	East Mustang Creek arm of Lake Texana	11	11	1	26.70	AD	NC	NC		No
2008	Chlorophyll-a	1604_03	Upstream middle portion of Lake Texana	11	11	0	26.70	AD	NC	NC		No
2008	Chlorophyll-a	1604_04	Downstream middle portion of Lake Texana	11	11	0	26.70	AD	NC	NC		No
2008	Chlorophyll-a	1604_05	Downstream portion of Lake Texana	23	23	0	26.70	AD	NC	NC		No
2008	Nitrate	1604_01	Navidad River arm of Lake Texana	29	29	6	0.37	AD	NC	NC		No
2008	Nitrate	1604_02	East Mustang Creek arm of Lake Texana	28	28	16	0.37	AD	CS	CS		No
2008	Nitrate	1604_03	Upstream middle portion of Lake Texana	29	29	13	0.37	AD	CS	CS		No
2008	Nitrate	1604_04	Downstream middle portion of Lake Texana	28	28	12	0.37	AD	CS	CS		No
2008	Nitrate	1604_05	Downstream portion of Lake Texana	59	59	26	0.37	AD	CS	CS		No
2008	Orthophosphorus	1604_01	Navidad River arm of Lake Texana	16	16	13	0.05	AD	CS	CS		No
2008	Orthophosphorus	1604_02	East Mustang Creek arm of Lake Texana	16	16	16	0.05	AD	CS	CS		No
2008	Orthophosphorus	1604_03	Upstream middle portion of Lake Texana	16	16	16	0.05	AD	CS	CS		No
2008	Orthophosphorus	1604_04	Downstream middle portion of Lake Texana	15	15	14	0.05	AD	CS	CS		No
2008	Orthophosphorus	1604_05	Downstream portion of Lake Texana	33	33	31	0.05	AD	CS	CS		No
2008	Total Phosphorus	1604_01	Navidad River arm of Lake Texana	26	26	19	0.20	AD	CS	CS		No
2008	Total Phosphorus	1604_02	East Mustang Creek arm of Lake Texana	29	29	26	0.20	AD	CS	CS		No
2008	Total Phosphorus	1604_03	Upstream middle portion of Lake Texana	26	26	19	0.20	AD	CS	CS		No
2008	Total Phosphorus	1604_04	Downstream middle portion of Lake Texana	25	25	19	0.20	AD	CS	CS		No
2008	Total Phosphorus	1604_05	Downstream portion of Lake Texana	53	53	30	0.20	AD	CS	CS		No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1604 Lake Texana

**Water body type:** Reservoir

**Water body size:** 11,000 Acres

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
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#### General Use

##### **Water Temperature**

2008	Temperature	1604_01	Navidad River arm of Lake Texana	305	95	0	33.90	AD	FS	FS	No	
2008	Temperature	1604_02	East Mustang Creek arm of Lake Texana	307	97	0	33.90	AD	FS	FS	No	
2008	Temperature	1604_03	Upstream middle portion of Lake Texana	500	98	0	33.90	AD	FS	FS	No	
2008	Temperature	1604_04	Downstream middle portion of Lake Texana	563	97	0	33.90	AD	FS	FS	No	
2008	Temperature	1604_05	Downstream portion of Lake Texana	1,304	198	0	33.90	AD	FS	FS	No	

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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**Segment ID: 1604 Lake Texana**

**Water body type:** Reservoir

**Water body size:** 11,000 Acres

<u>YEAR</u>	<u>AU ID</u>	<u>Assessment Area (AU)</u>	<u># of Samples</u>	<u># Assessed</u>	<u># of Exc</u>	<u>Mean of Assessed</u>	<u>Criteria</u>	<u>Dataset Qualifier</u>	<u>2008 Supp</u>	<u>Integ Supp</u>	<u>Imp Category</u>	<u>Carry Forward</u>
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### Public Water Supply Use

#### Finished Drinking Water Dissolved Solids average

2008	Chloride	1604_01	Navidad River arm of Lake Texana				300.00	OE	NC	NC	No
2008	Chloride	1604_02	East Mustang Creek arm of Lake Texana				300.00	OE	NC	NC	No
2008	Chloride	1604_03	Upstream middle portion of Lake Texana				300.00	OE	NC	NC	No
2008	Chloride	1604_04	Downstream middle portion of Lake Texana				300.00	OE	NC	NC	No
2008	Chloride	1604_05	Downstream portion of Lake Texana				300.00	OE	NC	NC	No
2008	Sulfate	1604_01	Navidad River arm of Lake Texana				300.00	OE	NC	NC	No
2008	Sulfate	1604_02	East Mustang Creek arm of Lake Texana				300.00	OE	NC	NC	No
2008	Sulfate	1604_03	Upstream middle portion of Lake Texana				300.00	OE	NC	NC	No
2008	Sulfate	1604_04	Downstream middle portion of Lake Texana				300.00	OE	NC	NC	No
2008	Sulfate	1604_05	Downstream portion of Lake Texana				300.00	OE	NC	NC	No
2008	Total Dissolved Solids	1604_01	Navidad River arm of Lake Texana				1,000.00	OE	NC	NC	No
2008	Total Dissolved Solids	1604_02	East Mustang Creek arm of Lake Texana				1,000.00	OE	NC	NC	No
2008	Total Dissolved Solids	1604_03	Upstream middle portion of Lake Texana				1,000.00	OE	NC	NC	No
2008	Total Dissolved Solids	1604_04	Downstream middle portion of Lake Texana				1,000.00	OE	NC	NC	No
2008	Total Dissolved Solids	1604_05	Downstream portion of Lake Texana				1,000.00	OE	NC	NC	No

#### Finished Drinking Water MCLs and Toxic Substances running average

2008	Multiple	1604_01	Navidad River arm of Lake Texana					OE	FS	FS	No
2008	Multiple	1604_02	East Mustang Creek arm of Lake Texana					OE	FS	FS	No
2008	Multiple	1604_03	Upstream middle portion of Lake Texana					OE	FS	FS	No
2008	Multiple	1604_04	Downstream middle portion of Lake Texana					OE	FS	FS	No
2008	Multiple	1604_05	Downstream portion of Lake Texana					OE	FS	FS	No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1604 Lake Texana

Water body type: Reservoir

Water body size: 11,000 Acres

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
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#### Public Water Supply Use

##### Finished Drinking Water MCLs Concern

2008	Multiple	1604_01	Navidad River arm of Lake Texana					OE	NC	NC		No
2008	Multiple	1604_02	East Mustang Creek arm of Lake Texana					OE	NC	NC		No
2008	Multiple	1604_03	Upstream middle portion of Lake Texana					OE	NC	NC		No
2008	Multiple	1604_04	Downstream middle portion of Lake Texana					OE	NC	NC		No
2008	Multiple	1604_05	Downstream portion of Lake Texana					OE	NC	NC		No

#### Recreation Use

##### Bacteria Geomean

2008	E. coli	1604_01	Navidad River arm of Lake Texana	15	15	0	8.27	126.00	AD	FS	FS	No
2008	E. coli	1604_02	East Mustang Creek arm of Lake Texana	13	13	0	3.40	126.00	AD	FS	FS	No
2008	E. coli	1604_03	Upstream middle portion of Lake Texana	15	15	0	1.71	126.00	AD	FS	FS	No
2008	E. coli	1604_04	Downstream middle portion of Lake Texana	14	14	0	1.72	126.00	AD	FS	FS	No
2006	E. coli	1604_05	Downstream portion of Lake Texana	0	0		0.00	126.00	ID	NA	NA	No

##### Bacteria Single Sample

2008	E. coli	1604_01	Navidad River arm of Lake Texana	15	15	0		394.00	AD	FS	FS	No
2008	E. coli	1604_02	East Mustang Creek arm of Lake Texana	13	13	0		394.00	AD	FS	FS	No
2008	E. coli	1604_03	Upstream middle portion of Lake Texana	15	15	0		394.00	AD	FS	FS	No
2008	E. coli	1604_04	Downstream middle portion of Lake Texana	14	14	0		394.00	AD	FS	FS	No
2006	E. coli	1604_05	Downstream portion of Lake Texana	0	0	0		126.00	ID	NA	NA	No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1604A East Mustang Creek (unclassified water body)

Water body type: Freshwater Stream

Water body size: 16 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	1604A_01 Entire water body	50	50	0		2.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	1604A_01 Entire water body	50	50	0		3.00	AD	NC	NC		No
<b>Fish Consumption Use</b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	DDE	1604A_01 Entire water body	7	7		0.00	0.01	LD	NC	NC		No
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2006	Ammonia	1604A_01 Entire water body	18	18	0		0.33	AD	NC	NC		No
2006	Nitrate	1604A_01 Entire water body	18	18	0		1.95	AD	NC	NC		No
2006	Orthophosphorus	1604A_01 Entire water body	12	12	1		0.37	AD	NC	NC		No
2006	Total Phosphorus	1604A_01 Entire water body	17	17	5		0.69	AD	NC	NC		No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

2008 Supp (level of support) and Integ Supp (integrated 303(d) level of support) identifiers: FS- Fully Supporting; CN- Concern for Near non-attainment; CS- Concern for Screening level; NS- Non-Supporting; NA- Not assessed; NC- No concern; Dataset Qualifiers: AD- Adequate Data; ID- Inadequate Data; LD- Limited Data; TR- Not Temporally Representative; SR- Not Spatially Representative; SM- Superseded by another method; JQ- Assessor Judgement; OE- Other Information Evaluated; OS- Out-of-State; AU ID - Assessment Unit ID \*Note: Carry-forward refers to impairments without sufficient information in 2008 to re-evaluate the level of support.

### Segment ID: 1604B West Mustang Creek (unclassified water body)

Water body type: Freshwater Stream

Water body size: 33 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	1604B_01 Entire water body	58	58	0		3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	1604B_01 Entire water body	58	58	4		5.00	AD	NC	NC		No
<b>Fish Consumption Use</b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	DDE	1604B_01 Entire water body	7	7		0.00	0.01	LD	NC	NC		No
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2006	Ammonia	1604B_01 Entire water body	18	18	2		0.33	AD	NC	NC		No
2006	Chlorophyll-a	1604B_01 Entire water body	0	0	0		14.10	ID	NA	NA		No
2006	Nitrate	1604B_01 Entire water body	20	20	0		1.95	AD	NC	NC		No
2006	Orthophosphorus	1604B_01 Entire water body	15	15	0		0.37	AD	NC	NC		No
2006	Total Phosphorus	1604B_01 Entire water body	18	18	2		18.00	AD	NC	NC		No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1604C Sandy Creek (unclassified water body)

Water body type: Freshwater Stream

Water body size: 37 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	1604C_01 Upper 15 miles	50	50	0	3.00	AD	FS	FS			No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	1604C_01 Upper 15 miles	50	50	0	5.00	AD	NC	NC			No
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2006	Ammonia	1604C_01 Upper 15 miles	17	17	0	0.33	AD	NC	NC			No
2006	Chlorophyll-a	1604C_01 Upper 15 miles	0	0	0	14.10	ID	NA	NA			No
2006	Nitrate	1604C_01 Upper 15 miles	19	19	0	1.95	AD	NC	NC			No
2006	Orthophosphorus	1604C_01 Upper 15 miles	18	18	14	0.37	AD	NC	NC			No
2006	Total Phosphorus	1604C_01 Upper 15 miles	18	18	0	0.69	AD	NC	NC			No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1605      Navidad River Above Lake Texana

Water body type: Freshwater Stream

Water body size: 62 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>Aquatic Life Use</b>												
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	1605_02	Middle 16.5 miles of segment	22	21	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	1605_03	Lower 31 miles of segment	73	73	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	1605_02	Middle 16.5 miles of segment	22	21	1	5.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	1605_03	Lower 31 miles of segment	73	73	0	5.00	AD	NC	NC		No
<b>Fish Consumption Use</b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	DDE	1605_03	Lower 31 miles of segment	8	8		0.00	LD	NC	NC		No

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### Segment ID: 1605      Navidad River Above Lake Texana

Water body type: Freshwater Stream

Water body size: 62 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Dissolved Solids</b>												
2008	Chloride	1605_01	Upper 14.5 miles of segment	48	48		100.00	JQ	FS	FS		No
2008	Chloride	1605_02	Middle 16.5 miles of segment	48	48		100.00	JQ	FS	FS		No
2008	Chloride	1605_03	Lower 31 miles of segment	48	48		100.00	JQ	FS	FS		No
2008	Sulfate	1605_01	Upper 14.5 miles of segment	46	46		50.00	JQ	FS	FS		No
2008	Sulfate	1605_02	Middle 16.5 miles of segment	46	46		50.00	JQ	FS	FS		No
2008	Sulfate	1605_03	Lower 31 miles of segment	46	46		50.00	JQ	FS	FS		No
2008	Total Dissolved Solids	1605_01	Upper 14.5 miles of segment	12	12	0	514.20	AD	FS	FS		No
2008	Total Dissolved Solids	1605_02	Middle 16.5 miles of segment	107	107		416.62	AD	FS	FS		No
2008	Total Dissolved Solids	1605_03	Lower 31 miles of segment	74	74	0	388.84	AD	FS	FS		No
<b>High pH</b>												
2008	pH	1605_02	Middle 16.5 miles of segment	22	21	0		9.00	AD	FS	FS	No
2008	pH	1605_03	Lower 31 miles of segment	73	73	0		9.00	AD	FS	FS	No
<b>Low pH</b>												
2008	pH	1605_02	Middle 16.5 miles of segment	22	21	0		6.50	AD	FS	FS	No
2008	pH	1605_03	Lower 31 miles of segment	73	73	0		6.50	AD	FS	FS	No
<b>Nutrient Screening Levels</b>												
2008	Ammonia	1605_02	Middle 16.5 miles of segment	22	22	0		0.33	AD	NC	NC	No
2008	Ammonia	1605_03	Lower 31 miles of segment	24	24	0		0.33	AD	NC	NC	No
2006	Chlorophyll-a	1605_02	Middle 16.5 miles of segment	0	0	0		ID	NA	NA		No
2008	Nitrate	1605_02	Middle 16.5 miles of segment	22	22	0		1.95	AD	NC	NC	No
2008	Nitrate	1605_03	Lower 31 miles of segment	27	27	0		1.95	AD	NC	NC	No
2008	Orthophosphorus	1605_02	Middle 16.5 miles of segment	8	8	0		0.37	LD	NC	NC	No
2008	Orthophosphorus	1605_03	Lower 31 miles of segment	14	14	0		0.37	AD	NC	NC	No
2008	Total Phosphorus	1605_02	Middle 16.5 miles of segment	22	22	0		0.69	AD	NC	NC	No
2008	Total Phosphorus	1605_03	Lower 31 miles of segment	25	25	0		0.69	AD	NC	NC	No

## 2008 Texas Water Quality Inventory - Basin Assessment Data by Segment (March 19, 2008)

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### Segment ID: 1605      Navidad River Above Lake Texana

Water body type: Freshwater Stream

Water body size: 62 Miles

YEAR	AU ID	Assessment Area (AU)	# of Samples	# Assessed	# of Exc	Mean of Assessed	Criteria	Dataset Qualifier	2008 Supp	Integ Supp	Imp Category	Carry Forward
<b>General Use</b>												
<b>Water Temperature</b>												
2008	Temperature	1605_01	Upper 14.5 miles of segment	12	12	0	32.80	AD	FS	FS		No
2008	Temperature	1605_02	Middle 16.5 miles of segment	22	21	0	32.80	AD	FS	FS		No
2008	Temperature	1605_03	Lower 31 miles of segment	72	72	0	32.80	AD	FS	FS		No
<b>Public Water Supply Use</b>												
<b>Finished Drinking Water Dissolved Solids average</b>												
2008	Chloride	1605_01	Upper 14.5 miles of segment				300.00	OE	NC	NC		No
2008	Chloride	1605_02	Middle 16.5 miles of segment				300.00	OE	NC	NC		No
2008	Chloride	1605_03	Lower 31 miles of segment				300.00	OE	NC	NC		No
2008	Sulfate	1605_01	Upper 14.5 miles of segment				300.00	OE	NC	NC		No
2008	Sulfate	1605_02	Middle 16.5 miles of segment				300.00	OE	NC	NC		No
2008	Sulfate	1605_03	Lower 31 miles of segment				300.00	OE	NC	NC		No
2008	Total Dissolved Solids	1605_01	Upper 14.5 miles of segment				1,000.00	OE	NC	NC		No
2008	Total Dissolved Solids	1605_02	Middle 16.5 miles of segment				1,000.00	OE	NC	NC		No
2008	Total Dissolved Solids	1605_03	Lower 31 miles of segment				1,000.00	OE	NC	NC		No
<b>Finished Drinking Water MCLs and Toxic Substances running average</b>												
2008	Multiple	1605_01	Upper 14.5 miles of segment					OE	FS	FS		No
2008	Multiple	1605_02	Middle 16.5 miles of segment					OE	FS	FS		No
2008	Multiple	1605_03	Lower 31 miles of segment					OE	FS	FS		No
<b>Finished Drinking Water MCLs Concern</b>												
2008	Multiple	1605_01	Upper 14.5 miles of segment					OE	NC	NC		No
2008	Multiple	1605_02	Middle 16.5 miles of segment					OE	NC	NC		No
2008	Multiple	1605_03	Lower 31 miles of segment					OE	NC	NC		No