

## 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Data; ID- Inadequate Data; LD- Limited Data; TR- Not Temporally Representative; SR- Not Spatially Representative; SM- Superseded by another method; JQ- Assessor Judgement; OE- Other Information Evaluated; OS- Out-of-State; AU ID - Assessment Unit ID \*Note: Carry-forward refers to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: 2201 Arroyo Colorado Tidal

Water body type: Tidal Stream

Water body size: 26 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>Acute Ambient Toxicity tests in water</b>												
2008	Water Acute Toxicity	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	1	1	0		ID	NA	NA		No
2008	Water Acute Toxicity	2201_05	Upper 4 miles of segment	1	1	0		ID	NA	NA		No
<b>Acute Toxicity tests in whole sediment</b>												
2008	Sediment Acute Toxicity	2201_01	Lower 9.0 miles of segment	8	8	0		LD				No
2008	Sediment Acute Toxicity	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	12	12	0		AD				No
2008	Sediment Acute Toxicity	2201_05	Upper 4 miles of segment	10	10	0		AD				No
<b>Dissolved Oxygen 24hr average</b>												
2008	Dissolved Oxygen 24hr Avg	2201_01	Lower 9.0 miles of segment	4	4	0	4.00	LD	NC	NC		No
2006	Dissolved Oxygen 24hr Avg	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	0	0		4.00	ID	NA	NA		No
2006	Dissolved Oxygen 24hr Avg	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	0	0			ID	NA	NA		No
2008	Dissolved Oxygen 24hr Avg	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	11	11	0	4.00	AD	FS	FS		No
2008	Dissolved Oxygen 24hr Avg	2201_05	Upper 4 miles of segment	14	14	3	4.00	AD	NS	NS	5a	No
<b>Dissolved Oxygen 24hr minimum</b>												
2008	Dissolved Oxygen 24hr Min	2201_01	Lower 9.0 miles of segment	4	4	0	3.00	LD	NC	NC		No
2006	Dissolved Oxygen 24hr Min	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	0	0		3.00	ID	NA	NA		No
2006	Dissolved Oxygen 24hr Min	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	0	0			ID	NA	NA		No
2008	Dissolved Oxygen 24hr Min	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	11	11	3	3.00	AD	NS	NS	5a	No
2008	Dissolved Oxygen 24hr Min	2201_05	Upper 4 miles of segment	14	14	5	3.00	AD	NS	NS	5a	No

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### Segment ID: 2201 Arroyo Colorado Tidal

Water body type: Tidal Stream

Water body size: 26 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	2201_01	Lower 9.0 miles of segment	48	34	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	50	36	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	46	27	1	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	99	49	3	3.00	SM	FS	FS		No
2008	Dissolved Oxygen Grab	2201_05	Upper 4 miles of segment	153	69	4	3.00	SM	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	2201_01	Lower 9.0 miles of segment	48	34	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	50	36	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	46	27	2	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	99	49	8	4.00	SM	CS	CS		No
2008	Dissolved Oxygen Grab	2201_05	Upper 4 miles of segment	153	69	13	4.00	SM	CS	CS		No
<b>Fish Community</b>												
2006	Fish Community	2201_01	Lower 9.0 miles of segment	0	0			ID	NA	NA		No
2006	Fish Community	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	0	0			ID	NA	NA		No
2006	Fish Community	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	0	0			ID	NA	NA		No
2006	Fish Community	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	0	0			ID	NA	NA		No
2006	Fish Community	2201_05	Upper 4 miles of segment	0	0			ID	NA	NA		No

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### Segment ID: 2201 Arroyo Colorado Tidal

**Water body type:** Tidal Stream

**Water body size:** 26 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>Habitat</b>												
2006	Habitat	2201_01	Lower 9.0 miles of segment	0	0			ID	NA	NA		No
2006	Habitat	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	0	0			ID	NA	NA		No
2006	Habitat	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	0	0			ID	NA	NA		No
2006	Habitat	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	0	0			ID	NA	NA		No
2006	Habitat	2201_05	Upper 4 miles of segment	0	0			ID	NA	NA		No
<b>LOE Toxic Sediment condition</b>												
2008	Sediment Toxicity (LOE)	2201_01	Lower 9.0 miles of segment					JQ	NC	NC		No
2008	Sediment Toxicity (LOE)	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22					JQ	FS	FS		No
2008	Sediment Toxicity (LOE)	2201_05	Upper 4 miles of segment					JQ	FS	FS		No
<b>Macrobenthic Community</b>												
2006	Macrobenthic Community	2201_01	Lower 9.0 miles of segment	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2201_05	Upper 4 miles of segment	0	0			ID	NA	NA		No

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**Water body type:** Tidal Stream

**Water body size:** 26 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>Toxic Substances in sediment</b>												
2006	Multiple	2201_01	Lower 9.0 miles of segment	3	3	0		ID	NA	NA		No
2006	Multiple	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	3	3	0		ID	NA	NA		No
2006	Multiple	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	3	3	0		ID	NA	NA		No
2006	Multiple	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	3	3	0		ID	NA	NA		No
2006	Multiple	2201_05	Upper 4 miles of segment	3	3	0		ID	NA	NA		No
<b>Fish Consumption Use</b>												
<b>DSHS Advisories, Closures, and Risk Assessments</b>												
2008	DDE	2201_05	Upper 4 miles of segment					OE	NS	NS	4a	No
2008	Mercury	2201_05	Upper 4 miles of segment					OE	NS	NS	5c	No
2008	PCBs	2201_05	Upper 4 miles of segment					OE	NS	NS	5c	No

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**Water body type:** Tidal Stream

**Water body size:** 26 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>General Use</b>												
<b>High pH</b>												
2008	pH	2201_01	Lower 9.0 miles of segment	48	35	2	9.00	AD	FS	FS		No
2008	pH	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	50	37	1	9.00	AD	FS	FS		No
2008	pH	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	44	26	0	9.00	AD	FS	FS		No
2008	pH	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	97	48	0	9.00	AD	FS	FS		No
2008	pH	2201_05	Upper 4 miles of segment	152	69	1	9.00	AD	FS	FS		No
<b>Low pH</b>												
2008	pH	2201_01	Lower 9.0 miles of segment	48	35	0	6.50	AD	FS	FS		No
2008	pH	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	50	37	0	6.50	AD	FS	FS		No
2008	pH	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	44	26	0	6.50	AD	FS	FS		No
2008	pH	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	97	48	0	6.50	AD	FS	FS		No
2008	pH	2201_05	Upper 4 miles of segment	152	69	0	6.50	AD	FS	FS		No

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Water body size: 26 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	2201_01	Lower 9.0 miles of segment	28	28	0	0.46	AD	NC	NC		No
2008	Ammonia	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	31	31	2	0.46	AD	NC	NC		No
2008	Ammonia	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	27	27	9	0.46	AD	CS	CS		No
2008	Ammonia	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	48	48	21	0.46	AD	CS	CS		No
2008	Ammonia	2201_05	Upper 4 miles of segment	48	48	27	0.46	AD	CS	CS		No
2008	Chlorophyll-a	2201_01	Lower 9.0 miles of segment	28	28	14	21.00	AD	CS	CS		No
2008	Chlorophyll-a	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	31	31	11	21.00	AD	CS	CS		No
2008	Chlorophyll-a	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	27	27	8	21.00	AD	CS	CS		No
2008	Chlorophyll-a	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	48	48	18	21.00	AD	CS	CS		No
2008	Chlorophyll-a	2201_05	Upper 4 miles of segment	48	48	16	21.00	AD	CS	CS		No
2008	Nitrate	2201_01	Lower 9.0 miles of segment	26	26	15	1.10	AD	CS	CS		No
2008	Nitrate	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	29	29	23	1.10	AD	CS	CS		No
2008	Nitrate	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	25	25	23	1.10	AD	CS	CS		No
2008	Nitrate	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	46	46	42	1.10	AD	CS	CS		No
2008	Nitrate	2201_05	Upper 4 miles of segment	46	46	46	1.10	AD	CS	CS		No
2008	Orthophosphorus	2201_01	Lower 9.0 miles of segment	26	26	3	0.46	AD	NC	NC		No
2008	Orthophosphorus	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	29	29	7	0.46	AD	NC	NC		No

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### Segment ID: 2201 Arroyo Colorado Tidal

Water body type: Tidal Stream

Water body size: 26 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	Orthophosphorus	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	24	24	12	0.46	AD	CS	CS		No
2008	Orthophosphorus	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	44	44	21	0.46	AD	CS	CS		No
2008	Orthophosphorus	2201_05	Upper 4 miles of segment	45	45	30	0.46	AD	CS	CS		No
2008	Total Phosphorus	2201_01	Lower 9.0 miles of segment	28	28	0	0.66	AD	NC	NC		No
2008	Total Phosphorus	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	31	31	0	0.66	AD	NC	NC		No
2008	Total Phosphorus	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	27	27	3	0.66	AD	NC	NC		No
2008	Total Phosphorus	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	48	48	7	0.66	AD	NC	NC		No
2008	Total Phosphorus	2201_05	Upper 4 miles of segment	48	48	15	0.66	AD	CS	CS		No
<b>Water Temperature</b>												
2008	Temperature	2201_01	Lower 9.0 miles of segment	51	37	0	35.00	AD	FS	FS		No
2008	Temperature	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	53	39	0	35.00	AD	FS	FS		No
2008	Temperature	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	46	27	0	35.00	AD	FS	FS		No
2008	Temperature	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	99	49	0	35.00	AD	FS	FS		No
2008	Temperature	2201_05	Upper 4 miles of segment	155	71	0	35.00	AD	FS	FS		No

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Water body type: Tidal Stream

Water body size: 26 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	Enterococcus	2201_01	Lower 9.0 miles of segment	17	17	0	22.58	35.00	AD	FS	FS	No
2008	Enterococcus	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	17	17	0	21.51	35.00	AD	FS	FS	No
2008	Enterococcus	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	19	19	1	40.60	35.00	AD	NS	NS	5c No
2008	Enterococcus	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	20	20	1	50.10	35.00	AD	NS	NS	5c No
2008	Enterococcus	2201_05	Upper 4 miles of segment	15	15	1	70.16	35.00	AD	NS	NS	5c No
2008	Fecal coliform	2201_01	Lower 9.0 miles of segment	10	10	0	18.80	200.00	SM	FS	FS	No
2008	Fecal coliform	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	11	11	0	11.04	200.00	SM	FS	FS	No
2008	Fecal coliform	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	10	10	0	37.50	200.00	SM	FS	FS	No
2008	Fecal coliform	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	21	21	0	76.89	200.00	SM	FS	FS	No
2008	Fecal coliform	2201_05	Upper 4 miles of segment	25	25	0	137.16	200.00	SM	FS	FS	No

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Water body size: 26 Miles

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<b>Recreation Use</b>												
<b>Bacteria Single Sample</b>												
2008	Enterococcus	2201_01	Lower 9.0 miles of segment	17	17	2	89.00	AD	FS	FS		No
2008	Enterococcus	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	17	17	3	89.00	AD	FS	FS		No
2008	Enterococcus	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	19	19	4	89.00	AD	FS	FS		No
2008	Enterococcus	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	20	20	4	89.00	AD	FS	FS		No
2008	Enterococcus	2201_05	Upper 4 miles of segment	15	15	5	89.00	AD	CN	CN		No
2008	Fecal coliform	2201_01	Lower 9.0 miles of segment	10	10	1	400.00	SM	FS	FS		No
2008	Fecal coliform	2201_02	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	11	11	0	400.00	SM	FS	FS		No
2008	Fecal coliform	2201_03	Approx. 3 miles upstream to 2 miles downstream of Marker 27	10	10	2	400.00	SM	FS	FS		No
2008	Fecal coliform	2201_04	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	21	21	6	400.00	SM	FS	FS		No
2008	Fecal coliform	2201_05	Upper 4 miles of segment	25	25	6	400.00	SM	FS	FS		No

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### Segment ID: 2202 Arroyo Colorado Above Tidal

Water body type: Freshwater Stream

Water body size: 63 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>Acute Toxic Substances in water</b>												
2006	Multiple	2202_01	Lower 4 miles of segment	2	2	0		ID	NA	NA		No
2006	Multiple	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	41	41			AD	FS	FS		No
2006	Multiple	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	2	2	0		ID	NA	NA		No
<b>Chronic Toxic Substances in water</b>												
2006	Multiple	2202_01	Lower 4 miles of segment	2	2			ID	NA	NA		No
2006	Multiple	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	41	41			AD	FS	FS		No
2006	Multiple	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	2	2			ID	NA	NA		No
<b>Dissolved Oxygen 24hr average</b>												
2008	Dissolved Oxygen 24hr Avg	2202_01	Lower 4 miles of segment	9	9	0	4.00	LD	NC	NC		No
2008	Dissolved Oxygen 24hr Avg	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	8	8	1	4.00	LD	NC	NC		No
2006	Dissolved Oxygen 24hr Avg	2202_04	Upper 19 miles of segment	0	0		4.00	ID	NA	NA		No
<b>Dissolved Oxygen 24hr minimum</b>												
2008	Dissolved Oxygen 24hr Min	2202_01	Lower 4 miles of segment	9	9	0	3.00	LD	NC	NC		No
2008	Dissolved Oxygen 24hr Min	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	8	8	1	3.00	LD	NC	NC		No
2006	Dissolved Oxygen 24hr Min	2202_04	Upper 19 miles of segment	0	0		3.00	ID	NA	NA		No
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	2202_01	Lower 4 miles of segment	48	45	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	100	100	2	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	0	3.00	AD	FS	FS		No
2008	Dissolved Oxygen Grab	2202_04	Upper 19 miles of segment	43	43	0	3.00	AD	FS	FS		No

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

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### Segment ID: 2202 Arroyo Colorado Above Tidal

Water body type: Freshwater Stream

Water body size: 63 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 screening level</b>												
2008	Dissolved Oxygen Grab	2202_01	Lower 4 miles of segment	48	45	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	100	100	3	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	0	4.00	AD	NC	NC		No
2008	Dissolved Oxygen Grab	2202_04	Upper 19 miles of segment	43	43	3	4.00	AD	NC	NC		No
<b>Fish Community</b>												
2006	Fish Community	2202_01	Lower 4 miles of segment	0	0			ID	NA	NA		No
2006	Fish Community	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	0	0			ID	NA	NA		No
2006	Fish Community	2202_04	Upper 19 miles of segment	0	0			ID	NA	NA		No
<b>Habitat</b>												
2006	Habitat	2202_01	Lower 4 miles of segment	0	0			ID	NA	NA		No
2006	Habitat	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	0	0			ID	NA	NA		No
2006	Habitat	2202_04	Upper 19 miles of segment	0	0			ID	NA	NA		No
<b>Macrobenthic Community</b>												
2006	Macrobenthic Community	2202_01	Lower 4 miles of segment	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	0	0			ID	NA	NA		No
2006	Macrobenthic Community	2202_04	Upper 19 miles of segment	0	0			ID	NA	NA		No
<b>Toxic Substances in sediment</b>												
2006	Multiple	2202_01	Lower 4 miles of segment	14	14			AD	NC	NC		No
2006	Multiple	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	14	14	0		AD	NC	NC		No
2006	Multiple	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	14	14	0		AD	NC	NC		No
2006	Multiple	2202_04	Upper 19 miles of segment	14	14	0		AD	NC	NC		No

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

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**Segment ID: 2202 Arroyo Colorado Above Tidal**

**Water body type:** Freshwater Stream

**Water body size:** 63 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>Fish Consumption Use</b>												
<b>DSHS Advisories, Closures, and Risk Assessments</b>												
2008	DDE	2202_01						OE	NS	NS	4a	No
2008	DDE	2202_02						OE	NS	NS	4a	No
2008	DDE	2202_03						OE	NS	NS	4a	No
2008	DDE	2202_04						OE	NS	NS	4a	No
2008	Mercury	2202_01						OE	NS	NS	5c	No
2008	Mercury	2202_02						OE	NS	NS	5c	No
2008	Mercury	2202_03						OE	NS	NS	5c	No
2008	Mercury	2202_04						OE	NS	NS	5c	No
2008	PCBs	2202_01						OE	NS	NS	5c	No
2008	PCBs	2202_02						OE	NS	NS	5c	No
2008	PCBs	2202_03						OE	NS	NS	5c	No
2008	PCBs	2202_04						OE	NS	NS	5c	No
<b>HH Bioaccumulative Toxics in water</b>												
2006	Multiple	2202_01		23	23			AD	FS	FS		No
2006	Multiple	2202_02		23	23			AD	FS	FS		No
2006	Multiple	2202_03		23	23			AD	FS	FS		No
2006	Multiple	2202_04		23	23			AD	FS	FS		No

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

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### Segment ID: 2202 Arroyo Colorado Above Tidal

Water body type: Freshwater Stream

Water body size: 63 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	2202_01	Lower 4 miles of segment	267	267	808.01	1,200.00	AD	FS	FS		No
2008	Chloride	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	267	267	808.01	1,200.00	AD	FS	FS		No
2008	Chloride	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	267	267	808.01	1,200.00	AD	FS	FS		No
2008	Chloride	2202_04	Upper 19 miles of segment	267	267	808.01	1,200.00	AD	FS	FS		No
2008	Sulfate	2202_01	Lower 4 miles of segment	267	267	716.05	1,000.00	AD	FS	FS		No
2008	Sulfate	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	267	267	716.05	1,000.00	AD	FS	FS		No
2008	Sulfate	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	267	267	716.05	1,000.00	AD	FS	FS		No
2008	Sulfate	2202_04	Upper 19 miles of segment	267	267	716.05	1,000.00	AD	FS	FS		No
2008	Total Dissolved Solids	2202_01	Lower 4 miles of segment	272	272	2,636.02	4,000.00	AD	FS	FS		No
2008	Total Dissolved Solids	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	272	272	2,636.02	4,000.00	AD	FS	FS		No
2008	Total Dissolved Solids	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	272	272	2,636.02	4,000.00	AD	FS	FS		No
2008	Total Dissolved Solids	2202_04	Upper 19 miles of segment	272	272	2,636.02	4,000.00	AD	FS	FS		No
<b>High pH</b>												
2008	pH	2202_01	Lower 4 miles of segment	47	44	0	9.00	AD	FS	FS		No
2008	pH	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	101	101	0	9.00	AD	FS	FS		No
2008	pH	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	0	9.00	AD	FS	FS		No
2008	pH	2202_04	Upper 19 miles of segment	43	43	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: 2202 Arroyo Colorado Above Tidal**

**Water body type:** Freshwater Stream

**Water body size:** 63 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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### General Use

#### **Low pH**

2008	pH	2202_01	Lower 4 miles of segment	47	44	0	6.50	AD	FS	FS	No	No
2008	pH	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	101	101	0	6.50	AD	FS	FS	No	No
2008	pH	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	0	6.50	AD	FS	FS	No	No
2008	pH	2202_04	Upper 19 miles of segment	43	43	1	6.50	AD	FS	FS	No	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: 2202 Arroyo Colorado Above Tidal

**Water body type:** Freshwater Stream

**Water body size:** 63 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>General Use</b>												
<b>Nutrient Screening Levels</b>												
2008	Ammonia	2202_01	Lower 4 miles of segment	49	49	21	0.33	AD	CS	CS		No
2008	Ammonia	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	96	96	31	0.33	AD	CS	CS		No
2008	Ammonia	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	46	0.33	AD	CS	CS		No
2008	Ammonia	2202_04	Upper 19 miles of segment	44	44	39	0.33	AD	CS	CS		No
2008	Chlorophyll-a	2202_01	Lower 4 miles of segment	49	49	42	14.10	AD	CS	CS		No
2008	Chlorophyll-a	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	62	62	54	14.10	AD	CS	CS		No
2008	Chlorophyll-a	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	69	69	57	14.10	AD	CS	CS		No
2008	Chlorophyll-a	2202_04	Upper 19 miles of segment	46	46	23	14.10	AD	CS	CS		No
2008	Nitrate	2202_01	Lower 4 miles of segment	47	47	46	1.95	AD	CS	CS		No
2008	Nitrate	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	104	104	100	1.95	AD	CS	CS		No
2008	Nitrate	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	69	69	69	1.95	AD	CS	CS		No
2008	Nitrate	2202_04	Upper 19 miles of segment	46	46	46	1.95	AD	CS	CS		No
2008	Orthophosphorus	2202_01	Lower 4 miles of segment	46	46	39	0.37	AD	CS	CS		No
2008	Orthophosphorus	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	104	104	57	0.37	AD	CS	CS		No
2008	Orthophosphorus	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	69	69	67	0.37	AD	CS	CS		No
2008	Orthophosphorus	2202_04	Upper 19 miles of segment	46	46	44	0.37	AD	CS	CS		No
2008	Total Phosphorus	2202_01	Lower 4 miles of segment	49	49	41	0.69	AD	CS	CS		No
2008	Total Phosphorus	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	104	104	52	0.69	AD	CS	CS		No

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

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### Segment ID: 2202 Arroyo Colorado Above Tidal

**Water body type:** Freshwater Stream

**Water body size:** 63 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>General Use</b>												
<b>Nutrient Screening Levels</b>												
2008	Total Phosphorus	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	62	0.69	AD	CS	CS		No
2008	Total Phosphorus	2202_04	Upper 19 miles of segment	45	45	39	0.69	AD	CS	CS		No
<b>Water Temperature</b>												
2008	Temperature	2202_01	Lower 4 miles of segment	48	45	0	35.00	AD	FS	FS		No
2008	Temperature	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	103	103	0	35.00	AD	FS	FS		No
2008	Temperature	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	68	68	0	35.00	AD	FS	FS		No
2008	Temperature	2202_04	Upper 19 miles of segment	43	43	0	35.00	AD	FS	FS		No

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### Segment ID: 2202 Arroyo Colorado Above Tidal

Water body type: Freshwater Stream

Water body size: 63 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	2202_01	Lower 4 miles of segment	21	21	130.00	126.00	JQ	NA	NA		No	
2008	E. coli	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	16	16	95.00	126.00	JQ	NA	NA		No	
2008	E. coli	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	34	34	152.00	126.00	JQ	NA	NA		No	
2008	E. coli	2202_04	Upper 19 miles of segment	23	23	191.00	126.00	JQ	NA	NA		No	
2008	Fecal coliform	2202_01	Lower 4 miles of segment	25	25	1	573.00	200.00	AD	NS	NS	5a	No
2008	Fecal coliform	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	45	45	1	950.70	200.00	AD	NS	NS	5a	No
2008	Fecal coliform	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	43	43	1	2,068.74	200.00	AD	NS	NS	5a	No
2008	Fecal coliform	2202_04	Upper 19 miles of segment	26	26	1	983.51	200.00	AD	NS	NS	5a	No
<b>Bacteria Single Sample</b>													
2008	E. coli	2202_01	Lower 4 miles of segment	21	21	4	394.00	JQ	NA	NA		No	
2008	E. coli	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	16	16	3	394.00	JQ	NA	NA		No	
2008	E. coli	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	34	34	5	394.00	JQ	NA	NA		No	
2008	E. coli	2202_04	Upper 19 miles of segment	23	23	5	394.00	JQ	NA	NA		No	
2008	Fecal coliform	2202_01	Lower 4 miles of segment	25	25	11	400.00	AD	NS	NS	5a	No	
2008	Fecal coliform	2202_02	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	45	45	31	400.00	AD	NS	NS	5a	No	
2008	Fecal coliform	2202_03	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	43	43	37	400.00	AD	NS	NS	5a	No	
2008	Fecal coliform	2202_04	Upper 19 miles of segment	26	26	21	400.00	AD	NS	NS	5a	No	

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

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### Segment ID: 2202A Donna Reservoir (unclassified water body)

Water body type: Reservoir

Water body size: 333 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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#### Fish Consumption Use

##### DSHS Advisories, Closures, and Risk Assessments

2006	PCBs	2202A_01	Entire reservoir					OE	NS	NS	4a	No
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#### Public Water Supply Use

##### Finished Drinking Water Dissolved Solids average

2006	Multiple	2202A_01	Entire reservoir					OE	NC	NC		No
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##### Finished Drinking Water MCLs and Toxic Substances running average

2006	Multiple	2202A_01	Entire reservoir					OE	FS	FS		No
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##### Finished Drinking Water MCLs Concern

2006	Multiple	2202A_01	Entire reservoir					OE	NC	NC		No
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## 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: 2202B Unnamed Drainage Ditch Tributary (B) to S. Arroyo Colorado (unclassified water body)

Water body type: Freshwater Stream

Water body size: 1 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>												
2006	Dissolved Oxygen 24hr Avg	2202B_01	Entire 0.8 miles of segment	0	0		3.00	ID	NA	NA		No
<b>Dissolved Oxygen 24hr minimum</b>												
2006	Dissolved Oxygen 24hr Min	2202B_01	Entire 0.8 miles of segment	0	0		2.00	ID	NA	NA		No
<b>Dissolved Oxygen grab minimum</b>												
2006	Dissolved Oxygen Grab	2202B_01	Entire 0.8 miles of segment	10	10	0	2.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	2202B_01	Entire 0.8 miles of segment	19	19	0	3.00	AD	NC	NC		No
<b>Fish Community</b>												
2006	Fish Community	2202B_01	Entire 0.8 miles of segment	0	0			ID	NA	NA		No
<b>Habitat</b>												
2006	Habitat	2202B_01	Entire 0.8 miles of segment	0	0			ID	NA	NA		No
<b>Macrobenthic Community</b>												
2006	Macrobenthic Community	2202B_01	Entire 0.8 miles of segment	0	0			ID	NA	NA		No
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2006	Ammonia	2202B_01	Entire 0.8 miles of segment	19	19	12	0.33	AD	CS	CS		No
2006	Chlorophyll-a	2202B_01	Entire 0.8 miles of segment	19	19	11	14.10	AD	CS	CS		No
2006	Nitrate	2202B_01	Entire 0.8 miles of segment	19	19	2	1.95	AD	NC	NC		No
2006	Orthophosphorus	2202B_01	Entire 0.8 miles of segment	19	19	1	0.37	AD	NC	NC		No
2006	Total Phosphorus	2202B_01	Entire 0.8 miles of segment	19	19	1	0.69	AD	NC	NC		No
<b>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2006	Fecal coliform	2202B_01	Entire 0.8 miles of segment	6	6		988.00	LD	CN	CN		No
<b>Bacteria Single Sample</b>												
2006	Fecal coliform	2202B_01	Entire 0.8 miles of segment	6	6	4	400.00	LD	CN	CN		No

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

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### Segment ID: 2202C Unnamed Drainage Ditch Tributary (C) to S. Arroyo Colorado (unclassified water body)

Water body type: Freshwater Stream

Water body size: 1 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	2202C_01 Entire 1.1 miles of segment	18	18	0		2.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2006	Dissolved Oxygen Grab	2202C_01 Entire 1.1 miles of segment	18	18	0		3.00	AD	NC	NC		No
<b>General Use</b>												
<b>Nutrient Screening Levels</b>												
2006	Ammonia	2202C_01 Entire 1.1 miles of segment	19	19	14		0.33	AD	CS	CS		No
2006	Chlorophyll-a	2202C_01 Entire 1.1 miles of segment	18	18	2		14.10	AD	NC	NC		No
2006	Nitrate	2202C_01 Entire 1.1 miles of segment	19	19	3		1.95	AD	NC	NC		No
2006	Orthophosphorus	2202C_01 Entire 1.1 miles of segment	19	19	1		0.37	AD	NC	NC		No
2006	Total Phosphorus	2202C_01 Entire 1.1 miles of segment	19	19	0		0.69	AD	NC	NC		No
<b>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2006	Fecal coliform	2202C_01 Entire 1.1 miles of segment	6	6		295.00	200.00	LD	CN	CN		No
<b>Bacteria Single Sample</b>												
2006	Fecal coliform	2202C_01 Entire 1.1 miles of segment	6	6	2		400.00	LD	NC	NC		No

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

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**Segment ID: 2203      Petronila Creek Tidal**

**Water body type:** Tidal Stream

**Water body size:** 14 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><u>Aquatic Life Use</u></b>												
<b>Acute Toxic Substances in water</b>												
2006	Multiple	2203_01	Entire segment	4	4	0		LD	NC	NC		No
<b>Chronic Toxic Substances in water</b>												
2006	Multiple	2203_01	Entire segment	4	4	0		LD	NC	NC		No
<b>Dissolved Oxygen 24hr average</b>												
2006	Dissolved Oxygen 24hr Avg	2203_01	Entire segment	0	0		4.00	ID	NA	NA		No
<b>Dissolved Oxygen 24hr minimum</b>												
2006	Dissolved Oxygen 24hr Min	2203_01	Entire segment	0	0		3.00	ID	NA	NA		No
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	2203_01	Entire segment	17	17	0	3.00	AD	FS	FS		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	2203_01	Entire segment	17	17	0	4.00	AD	NC	NC		No
<b>Fish Community</b>												
2006	Fish Community	2203_01	Entire segment	0	0			ID	NA	NA		No
<b>Habitat</b>												
2006	Habitat	2203_01	Entire segment	0	0			ID	NA	NA		No
<b>Macrobenthic Community</b>												
2006	Macrobenthic Community	2203_01	Entire segment	0	0			ID	NA	NA		No
<b><u>Fish Consumption Use</u></b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	Multiple	2203_01	Entire segment	4	4			ID	NA	NA		No

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

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 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: 2203 Petronila Creek Tidal

Water body type: Tidal Stream

Water body size: 14 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	2203_01	Entire segment	17	17	2	9.00	AD	FS	FS		No
<b>Low pH</b>												
2008	pH	2203_01	Entire segment	17	17	0	6.50	AD	FS	FS		No
<b>Nutrient Screening Levels</b>												
2008	Ammonia	2203_01	Entire segment	17	17	0	0.46	AD	NC	NC		No
2008	Chlorophyll-a	2203_01	Entire segment	17	17	11	21.00	AD	CS	CS		No
2008	Nitrate	2203_01	Entire segment	17	17	0	1.10	AD	NC	NC		No
2008	Orthophosphorus	2203_01	Entire segment	17	17	0	0.46	AD	NC	NC		No
2008	Total Phosphorus	2203_01	Entire segment	17	17	0	0.66	AD	NC	NC		No
<b>Water Temperature</b>												
2008	Temperature	2203_01	Entire segment	17	17	1	35.00	AD	FS	FS		No
<b>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2008	Enterococcus	2203_01	Entire segment	11	11	0	29.88	AD	FS	FS		No
2008	Fecal coliform	2203_01	Entire segment	6	6	0	8.79	200.00	SM	NC	NC	No
<b>Bacteria Single Sample</b>												
2008	Enterococcus	2203_01	Entire segment	11	11	3	89.00	AD	FS	FS		No
2008	Fecal coliform	2203_01	Entire segment	6	6	0	400.00	SM	NC	NC		No

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

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### Segment ID: 2204 Petronila Creek Above Tidal

Water body type: Freshwater Stream

Water body size: 35 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>Acute Toxic Substances in water</b>												
2006	Multiple	2204_01	Lower 25 miles of segment	9	9	0		LD	NC	NC		No
<b>Chronic Toxic Substances in water</b>												
2006	Multiple	2204_01	Lower 25 miles of segment	9	9			LD	NC	NC		No
<b>Dissolved Oxygen 24hr average</b>												
2006	Dissolved Oxygen 24hr Avg	2204_01	Lower 25 miles of segment	0	0		4.00	ID	NA	NA		No
2006	Dissolved Oxygen 24hr Avg	2204_02	Upper 19 miles of segment	0	0		4.00	ID	NA	NA		No
<b>Dissolved Oxygen 24hr minimum</b>												
2006	Dissolved Oxygen 24hr Min	2204_01	Lower 25 miles of segment	0	0		3.00	ID	NA	NA		No
2006	Dissolved Oxygen 24hr Min	2204_02	Upper 19 miles of segment	0	0		3.00	ID	NA	NA		No
<b>Dissolved Oxygen grab minimum</b>												
2008	Dissolved Oxygen Grab	2204_01	Lower 25 miles of segment	29	28	0	3.00	AD	FS	FS		No
2006	Dissolved Oxygen Grab	2204_02	Upper 19 miles of segment	0	0		3.00	ID	NA	NA		No
<b>Dissolved Oxygen grab screening level</b>												
2008	Dissolved Oxygen Grab	2204_01	Lower 25 miles of segment	29	28	0	4.00	AD	NC	NC		No
2006	Dissolved Oxygen Grab	2204_02	Upper 19 miles of segment	0	0		4.00	ID	NA	NA		No
<b>Fish Community</b>												
2006	Fish Community	2204_01	Lower 25 miles of segment	0	0			ID	NA	NA		No
<b>Habitat</b>												
2006	Habitat	2204_01	Lower 25 miles of segment	0	0			ID	NA	NA		No
<b>Macrobenthic Community</b>												
2006	Macrobenthic Community	2204_01	Lower 25 miles of segment	0	0			ID	NA	NA		No
<b>Toxic Substances in sediment</b>												
2006	Multiple	2204_01	Lower 25 miles of segment	2	2	0		ID	NA	NA		No
2006	Multiple	2204_02	Upper 19 miles of segment	2	2	0		ID	NA	NA		No
<b>Fish Consumption Use</b>												
<b>HH Bioaccumulative Toxics in water</b>												
2006	Multiple	2204_01	Lower 25 miles of segment	9	9		0.00	LD	NC	NC		No
2006	Multiple	2204_02	Upper 19 miles of segment	9	9		0.00	LD	NC	NC		No

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

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### Segment ID: 2204 Petronila Creek Above Tidal

Water body type: Freshwater Stream

Water body size: 35 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	2204_01	Lower 25 miles of segment	27	27	6,023.93	1,500.00	AD	NS	NS	4a	No
2008	Chloride	2204_02	Upper 19 miles of segment	27	27	6,023.93	1,500.00	AD	NS	NS	4a	No
2008	Sulfate	2204_01	Lower 25 miles of segment	27	27	1,042.22	500.00	AD	NS	NS	4a	No
2008	Sulfate	2204_02	Upper 19 miles of segment	27	27	1,042.22	500.00	AD	NS	NS	4a	No
2008	Total Dissolved Solids	2204_01	Lower 25 miles of segment	27	27	13,114.37	4,000.00	AD	NS	NS	4a	No
2008	Total Dissolved Solids	2204_02	Upper 19 miles of segment	27	27	13,114.37	4,000.00	AD	NS	NS	4a	No
<b>High pH</b>												
2008	pH	2204_01	Lower 25 miles of segment	29	28	0	9.00	AD	FS	FS		No
2006	pH	2204_02	Upper 19 miles of segment	0	0		9.00	ID	NA	NA		No
<b>Low pH</b>												
2008	pH	2204_01	Lower 25 miles of segment	29	28	0	6.50	AD	FS	FS		No
2006	pH	2204_02	Upper 19 miles of segment	0	0		6.50	ID	NA	NA		No
<b>Nutrient Screening Levels</b>												
2008	Ammonia	2204_01	Lower 25 miles of segment	26	26	0	0.33	AD	NC	NC		No
2006	Ammonia	2204_02	Upper 19 miles of segment	0	0		0.33	ID	NA	NA		No
2008	Chlorophyll-a	2204_01	Lower 25 miles of segment	27	27	14	14.10	AD	CS	CS		No
2006	Chlorophyll-a	2204_02	Upper 19 miles of segment	0	0		14.10	ID	NA	NA		No
2008	Nitrate	2204_01	Lower 25 miles of segment	26	26	0	1.95	AD	NC	NC		No
2006	Nitrate	2204_02	Upper 19 miles of segment	0	0		1.95	ID	NA	NA		No
2008	Orthophosphorus	2204_01	Lower 25 miles of segment	27	27	4	0.37	AD	NC	NC		No
2006	Orthophosphorus	2204_02	Upper 19 miles of segment	0	0		0.37	ID	NA	NA		No
2008	Total Phosphorus	2204_01	Lower 25 miles of segment	25	25	0	0.69	AD	NC	NC		No
2006	Total Phosphorus	2204_02	Upper 19 miles of segment	0	0		0.69	ID	NA	NA		No
<b>Water Temperature</b>												
2008	Temperature	2204_01	Lower 25 miles of segment	29	28	0	35.00	AD	FS	FS		No
2006	Temperature	2204_02	Upper 19 miles of segment	0	0		35.00	ID	NA	NA		No

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

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### Segment ID: 2204 Petronila Creek Above Tidal

Water body type: Freshwater Stream

Water body size: 35 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>Recreation Use</b>												
<b>Bacteria Geomean</b>												
2008	E. coli	2204_01	Lower 25 miles of segment	8	8	0	32.65	126.00	LD	NC	NC	No
2006	E. coli	2204_02	Upper 19 miles of segment	0	0			35.00	ID	NA	NA	No
2008	Fecal coliform	2204_01	Lower 25 miles of segment	12	12	0	14.01	200.00	AD	FS	FS	No
2006	Fecal coliform	2204_02	Upper 19 miles of segment	0	0			200.00	ID	NA	NA	No
<b>Bacteria Single Sample</b>												
2008	E. coli	2204_01	Lower 25 miles of segment	8	8	2		394.00	LD	NC	NC	No
2006	E. coli	2204_02	Upper 19 miles of segment	0	0			89.00	ID	NA	NA	No
2008	Fecal coliform	2204_01	Lower 25 miles of segment	12	12	0		400.00	AD	FS	FS	No
2006	Fecal coliform	2204_02	Upper 19 miles of segment	0	0			400.00	ID	NA	NA	No

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

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### Segment ID: 2204A Unnamed Drainage Ditch Tributary (A) to Petronila Creek (unclassified water body)

**Water body type:** Freshwater Stream

**Water body size:** 4 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	2204A_01	Entire 3.9 miles of segment	8	8	0	2.00	LD	NC	NC		No
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##### **Dissolved Oxygen grab screening level**

2006	Dissolved Oxygen Grab	2204A_01	Entire 3.9 miles of segment	8	8	0	3.00	LD	NC	NC		No
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## 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: 2204B Unnamed Tributary (B) to Petronila Creek (unclassified water body)

**Water body type:** Freshwater 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>
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#### Aquatic Life Use

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

2006	Dissolved Oxygen Grab	2204B_01	Entire 9.0 miles of segment	11	11	0	2.00	AD	FS	FS		No
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##### **Dissolved Oxygen grab screening level**

2006	Dissolved Oxygen Grab	2204B_01	Entire 9.0 miles of segment	11	11	0	3.00	AD	NC	NC		No
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