

<u>Site Description</u>	Courtney	Terral	Oscar	Oscar	Thackerville	Courtney	Leon	Leon	Courtney
<u>Surface Water Sample #'s</u>	519333	519334	519335	519336	519343	519344	519605	519606	519607
	519337	519338	519339	519340					
<u>Agency</u>	ODEQ	ODEQ	ODEQ	ODEQ	ODWC	ODWC	ODWC	ODWC	ODWC
<u>Source</u>	Red River	Red River	Red Creek	Red River	Red River	Red River	Red River	Red River	Mud Creek
<u>Site #</u>	1	2	3	4					
<u>Location</u>	Hwy 89	Hwy 81	Co. Rd. 2940	Ketchum Bluff	I-35	Hwy 89	Dead End of 3120	Dead End of 3120	Primitive BR
<u>County</u>	Love	Jefferson	Jefferson	Jefferson	Love	Love	Love	Love	Love
<u>Latitude</u>	33.91852	33.8787	33.94219	33.93607	33.727003	33.917753	33.82633	33.82633	33.931509
<u>Longitude</u>	-97.50876	-97.93402	-97.75237	-97.75877	-97.159438	-97.509928	-97.44506	-97.44506	-97.482584
<u>Matrix</u>	Water	Water	Water	Water	Water	Water	Water	Water	Water
<u>Collection Time</u>	19:49	21:48	12:12	18:43	12:45	10:30	16:00	9:00	10:30
<u>Collection Date</u>	6/12/2012	6/12/2012	6/13/2012	6/13/2012	6/13/2012	6/13/2012	6/14/2012	6/15/2012	6/21/2012
<u>Routine Chemistry (Mg/L)</u>									
<u>Alkalinity</u>	96.3	70.3	75.2	83.3	81.8	132	74.2	58.6	166
<u>Ammonia</u>	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	<0.1
<u>Chloride</u>	1,240	1,780	1,610	1,680	44.7	1,370	934	961	140
<u>Hardness</u>	703	770	794	760	127	799	582	592	225
<u>Nitrogen-Kjeldahl</u>	2.19	2.13	1.54	2.19	1.2	2.18	2	1.72	1.02
<u>Nitrogen-Organic</u>	2.19	2.13	1.54	2.19	1.2	2.18	2	1.46	1.02
<u>Nitrogen-Total</u>	2.19	2.13	1.54	2.19	1.2	2.28	2	1.72	1.02
<u>Nitrites/Nitrates</u>	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05
<u>pH</u>	7.86	7.54	7.63	7.91	7.47	7.69	8.59	7.56	8.18
<u>Phosphorous-Total</u>	0.216	0.282	0.074	0.213	0.094	0.249	0.256	0.284	0.084
<u>Specific Conductance</u>	4,250	6,080	4,900	5,780	416	4,700	3,520	3,770	783
<u>Sulfate</u>	460	655	212	643	45.7	498	357	363	33.1
<u>TDS</u>	2,520	3,660	2,790	3,470	264	2,790	2,070	2,190	458
<u>Minerals (Mg/L)</u>									
<u>Calcium</u>	140	164	157	162	49.7	152	106	114	51.8
<u>Magnesium</u>	67.6	74.1	78.9	72.2	7.38	72.6	50.4	54.3	21.7
<u>Potassium</u>	13.2	15	13	14.9	5.62	13.5	10.5	13.8	8.81
<u>Sodium</u>	616	874	651	844	28.3	663	502	578	76.3
<u>Dissolved Minerals (Mg/L)</u>									
<u>Calcium</u>	142	164	158	163	43.7	151	110	110	50
<u>Magnesium</u>	67.2	74.7	78.5	72.1	5.34	71.4	51	50.3	20.6
<u>Potassium</u>	11	14	10.9	13.7	4.07	11.3	9.86	10.1	7.99
<u>Sodium</u>	608	887	649	847	28.1	654	522	561	80.5
<u>Volatiles (8260-Ug/L)</u>	ND	ND	ND	ND					
<u>Semi-Volatiles (8270 Ug/L)</u>	ND	ND	ND	ND					

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<u>County</u>	Love	Jefferson	Jefferson	Jefferson	Love	Love	Love	Love	Love
<u>Field Parameters</u>									
<u>D.O.</u>							8.08	6.33	8.4
<u>Specific Conductance (Us)</u>	4,229	5,990	4,808	5,718					
<u>pH</u>	8.54	8.41	7.9	8.67					
<u>Temp.(Celcius)</u>	29.22	27	27.23	29.68					29.5

Revision date 9-27-12