

Site Description	Davidson	Burk Burnett	Cache Cr. Confluence	Waurika	Terrell	Ketchum Bluff (1')	Ketchum Bluff (4')	Ketchum Bluff (8')	Ketchum Bluff (8') DUP	Downstream of Red Cr.	Courtney	Addington Bend (Surface)	Addington Bend (1')	Addington Bend (2')
Surface Water Sample #'s	514723/514738	514724/514739	514725/514740	514726/514741	514727/514742	514730/514745	514731/514746	514732/514747	514733/514748	514729/514744	514728/514743	514734/514749	514735/514750	514736/514751
	514752/514774	514755/514775	514756/514777	514757/514778	514758/514779	514763/514783	514764/514784	514765/514785	514769/514787	514762/514782	514759/514781	514770/514788	514771/514789	514772/514790
Agency	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ	ODEQ
Source	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River	Red River
Site #	1	2	3	4	5	6	6	6	6	7	8	9	9	9
Location	Hwy 70	I-44	County Road 2650	Hwy 79	Hwy 81	3.27 mi. S. of Oscar	3.27 mi. S. of Oscar	3.27 mi. S. of Oscar	3.27 mi. S. of Oscar	3.17 mi. S. of Oscar	Hwy 89	Love Valley WMA	Love Valley WMA	Love Valley WMA
County	Tillman	Cotton	Cotton	Jefferson	Jefferson	Jefferson	Jefferson	Jefferson	Jefferson	Jefferson	Love	Love	Love	Love
Latitude	34.209563	34.108671	34.133165	34.132129	33.879064	33.936107	33.936107	33.936107	33.936107	33.938426	33.918344	33.815602	33.815602	33.815602
Longitude	-99.080281	-98.5324	-98.263993	-98.09286	-97.934596	-97.758654	-97.758654	-97.758654	-97.758654	-97.743168	-97.50885	-97.069945	-97.069945	-97.069945
Collection Time	10:30	14:00	16:24	15:45	13:13	13:30	13:40	13:40	13:40	10:59	9:47	18:28	18:20	18:10
Collection Date	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012	2/14/2012
Routine Chemistry (mg/L)														
Alkalinity	143	136	138	142	144	152	157	152	153	151	143	103	104	104
Ammonia	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chloride	2,420	2,330	2,010	1,680	1,450	1,340	1,340	1,340	1,360	1,300	1,230	804	809	814
Hardness	1,440	1,530	1,170	1,010	890	875	875	890	855	845	805	540	565	555
Nitrogen-Kjeldahl	1.57	1.11	0.89	1.02	1.07	1.32	1.32	1.3	1.25	1.26	1.83	1.32	1.36	1.45
Nitrogen-Organic	1.57	1.11	0.89	1.02	1.07	1.32	1.32	1.3	1.25	1.26	1.83	1.32	1.36	1.45
Nitrogen-Total	1.86	1.11	1.56	3.44	2.43	2.34	2.33	2.34	2.28	2.26	2.08	1.32	1.36	1.45
Nitrites/Nitrates	0.29	<0.05	0.67	2.42	1.36	1.02	1.01	1.04	1.03	1	0.25	<0.05	1.32	<0.05
pH	8.13	8.21	8.11	8.36	8.09	8.28	8.27	8.3	8.27	8.14	8.4	8.52	8.48	8.41
Phosphorous-Total	0.145	0.037	0.095	0.036	0.244	0.208	0.21	0.212	0.214	0.198	0.184	0.12	0.123	0.136
Sodium	1,410	1,330	1,160	938	807	777	758	739	720	710	695	448	447	445
Specific Conductance	8,730	8,480	7,490	6,310	5,510	5,250	5,220	5,250	5,240	5,120	8,470	3,160	3,180	3,100
Sulfate	1,160	1,110	935	801	692	666	646	637	652	639	582	357	367	373
TDS	5,520	5,230	4,540	3,780	3,290	3,110	3,110	3,090	3,120	3,030	2,860	1,810	1,810	1,810
Volatiles (ug/L)														
Volatiles (ug/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatiles (ug/L)														
Semi-Volatiles (ug/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Parameters														
D.O.	12.18	14.67	11.94	14.52	13.48	13.52	13.32	13.46		11.56	14.32		16.1	16.24
Specific Conductance (us)	9,608	8,619	7,882	6,321	5,569	5,468	5,471	5,465		5,367	4,876		3,336	3,184
pH	7.8	8.18	8.02	8.46	8.3	8.28	8.28	8.3		8.1	8.7		8.72	8.7
Temp. (Celsius)	5.43	9.07	11.2	10	8.39	7.71	7.73	7.76		6.21	6.38		9	8.99
Minerals (mg/L)														
Calcium	272	254	226	209	191	185	183	182	178	175	172	118	117	115
Magnesium	123	121	107	95.5	86.5	83	81.2	79.6	79.6	78.3	75.6	53.6	52	51.1
Potassium	135	10.7	10.7	13.1	11	10.6	10.5	10.5	10.1	9.7	9.9	7.7	7.8	7.7
Sodium	1,410	1,330	1,160	938	807	777	758	739	720	710	695	448	447	445
Dissolved Minerals (mg/L)														
Calcium	275	254	223	200	189	178	178	179	182	177	172	109	112	113
Magnesium	123	118	105	96.1	87.4	77.8	78.8	80.1	79	75.6	72.2	50	51.7	51.3
Potassium	11	10.4	9.9	11	9.8	9.4	9.1	9.2	9.6	9.6	9	6.8	7.1	7.3
Sodium	1,440	1,360	1,160	946	846	757	752	758	766	751	722	439	450	454

Revised 9-27-12