

Site Description	Davidson	Burk Burnett	Cache Cr. Confluence	Waurika	Torrell	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	514724	514725	514726	514727	514730	514731	514732	514733 (Dup.)	514729	514728	514734	514735	514736
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	13:35	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
Total Metals (ug/L)														
Antimony	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Aluminum	499	559	841	1,140	1,250	1,530	1,360	1,480	1,420	1,390	1,400	1,060	913	1,140
Arsenic	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium	57.6	69.4	82.1	89.4	104	116	114	112	110	112	136	129	125	127
Beryllium	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Boron	559	526	482	512	472	447	448	440	428	413	404	288	285	279
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Cobalt	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Copper	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Iron	422	448	596	984	1,080	1,360	1,210	1,310	1,230	1,240	1,270	825	725	1,070
Lead	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese	69	57	37.3	53.7	65.6	86.9	80.7	80.5	78.2	87.6	90.2	96.6	93.7	111
Mercury	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Selenium	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Silica	3,130	2,830	5,070	6,950	8,350	9,920	9,010	9,590	9,200	9,420	7,950	5,460	4,750	6,150
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Strontium	4,000	3,850	3,390	3,200	2,860	2,690	2,730	2,680	2,660	2,550	2,640	1,810	1,790	1,760
Thallium	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tin	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Titanium	11.7	14.3	20.6	27	29.7	33.7	31.2	33.3	32.7	32.7	31.4	25.6	21.7	27.2
Uranium	8.4	7.4	6.1	5.5	4.7	4.2	4.1	4.1	4.2	4.2	3.9	2.8	2.8	3
Vanadium	20.1	20.7	17.2	15	14.6	13.3	14	13.6	12.5	12.3	12.3	20.1	20.1	20.1
Zinc	6.8	<10	6.1	9.6	5.1	9.3	7.7	6.6	7.1	<5	5.1	<5	<5	<5
Dissolved Metals (ug/L)														
Aluminum	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Antimony	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Arsenic	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium	55.5	66.4	76.6	81.4	96.1	99.7	100	102	103	102	121	106	110	111
Beryllium	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Boron	570	543	483	503	491	434	431	441	454	429	411	282	295	301
Cadmium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chromium	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Cobalt	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Copper	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Iron	<20	<20	<20	<20	43.9	<20	33.6	<20	<20	<20	<20	<20	<20	<20
Lead	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese	49.7	31.4	20.3	17.7	28.1	27.7	27.6	26.8	28.2	33.8	21.9	12.7	13	10.8
Mercury	0.76	<0.05	0.13	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Selenium	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Silica	1,210	445	1,420	1,270	2,670	2,200	2,230	2,280	2,260	2,710	895	262	258	291
Silver	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Strontium	4,070	3,810	3,300	3,060	2,820	2,690	2,600	2,610	2,560	2,580	2,580	1,680	1,720	1,750
Thallium	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Tin	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Titanium	<5	5.8	6.7	7.3	8.5	8.4	8.4	7.8	8.3	8.6	8.8	9.7	9.9	9.5
Vanadium	12.9	<10	10.1	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Zinc	<5	<5	<5	<5	<5	<5	10.2	<5	<5	5.2	<5	<5	<5	<5