

08068500 Spring Creek near Spring, TX

San Jacinto Basin
Spring Subbasin

LOCATION.--Lat 30°06'37", long 95°26'10" referenced to North American Datum of 1927, Montgomery County, TX, Hydrologic Unit 12040102, near right bank at downstream side of the northbound feeder road of Interstate Highway 45, 0.85 mi upstream from Missouri Pacific Railroad bridge, 2.4 mi northeast of Spring, Harris County, and 4.0 mi downstream from Willow Creek.

DRAINAGE AREA.--409 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Apr. 1939 to current year. From 1975 to 1995 published as "Spring Creek at Spring" (station 08068520).

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 72.6 ft above NGVD of 1929. Prior to Jan. 5, 1946, nonrecording gage, and Jan. 6, 1946, to Feb. 19, 1965, water-stage recorder at datum 5.5 ft higher. Oct. 2, 1965, to Feb. 19, 1976, water-stage recorder at former site at datum 10.93 ft higher. Feb. 16, 1976, to Sept. 30, 1995, water-stage recorder at former site 3.6 mi downstream at datum 10.43 ft lower; unadjusted for land-surface subsidence. Radio telemeter at station. Satellite telemeter at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No known regulation or diversions. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1879, 34.3 ft, May 30, 1929, from floodmarks identified by local residents, discharge, 48,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 2	2100	*1,330	*6.54

08068500 Spring Creek near Spring, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25	19	32	43	59	23	24	18	18	20	34	14
2	24	384	25	30	52	21	23	20	17	196	27	14
3	24	164	24	27	41	22	23	20	17	238	25	14
4	23	68	23	36	e42	23	26	16	16	57	23	15
5	23	43	24	270	e41	68	22	15	16	35	23	12
6	22	29	20	102	e37	53	20	17	24	31	21	11
7	22	26	20	54	e35	33	20	18	36	32	17	10
8	23	25	22	39	28	31	24	18	29	25	18	10
9	23	24	22	308	32	35	22	19	21	22	17	11
10	25	24	21	257	35	29	21	20	18	23	18	12
11	25	23	21	147	29	25	24	20	17	35	17	12
12	24	24	21	84	27	24	23	27	16	30	17	14
13	24	30	17	58	28	23	20	68	17	26	17	14
14	22	26	19	47	29	85	19	37	17	25	17	13
15	21	123	20	39	28	183	21	24	17	23	44	13
16	22	84	21	105	28	122	18	20	17	23	32	13
17	22	43	21	320	28	67	16	17	18	39	22	15
18	23	31	19	131	28	48	18	16	17	35	17	27
19	24	24	19	75	27	39	20	17	17	45	15	68
20	24	22	20	57	27	34	20	20	17	88	15	66
21	26	22	21	43	27	31	21	21	17	52	15	31
22	24	22	22	36	28	28	21	21	106	38	15	21
23	26	24	22	33	24	26	20	20	164	33	14	17
24	25	24	33	183	25	27	19	20	59	28	14	15
25	26	24	174	253	26	27	19	19	34	27	26	15
26	27	25	66	97	24	24	20	20	28	71	44	16
27	26	20	38	58	25	24	20	17	24	35	24	16
28	20	21	31	45	27	24	18	16	23	33	18	15
29	15	55	60	42	---	22	18	16	22	27	16	21
30	14	70	143	40	---	32	17	17	21	36	15	21
31	16	---	66	40	---	27	---	18	---	45	14	---
Total	710	1,543	1,107	3,099	887	1,280	617	652	880	1,473	651	566
Mean	22.9	51.4	35.7	100	31.7	41.3	20.6	21.0	29.3	47.5	21.0	18.9
Max	27	384	174	320	59	183	26	68	164	238	44	68
Min	14	19	17	27	24	21	16	15	16	20	14	10
Ac-ft	1,410	3,060	2,200	6,150	1,760	2,540	1,220	1,290	1,750	2,920	1,290	1,120

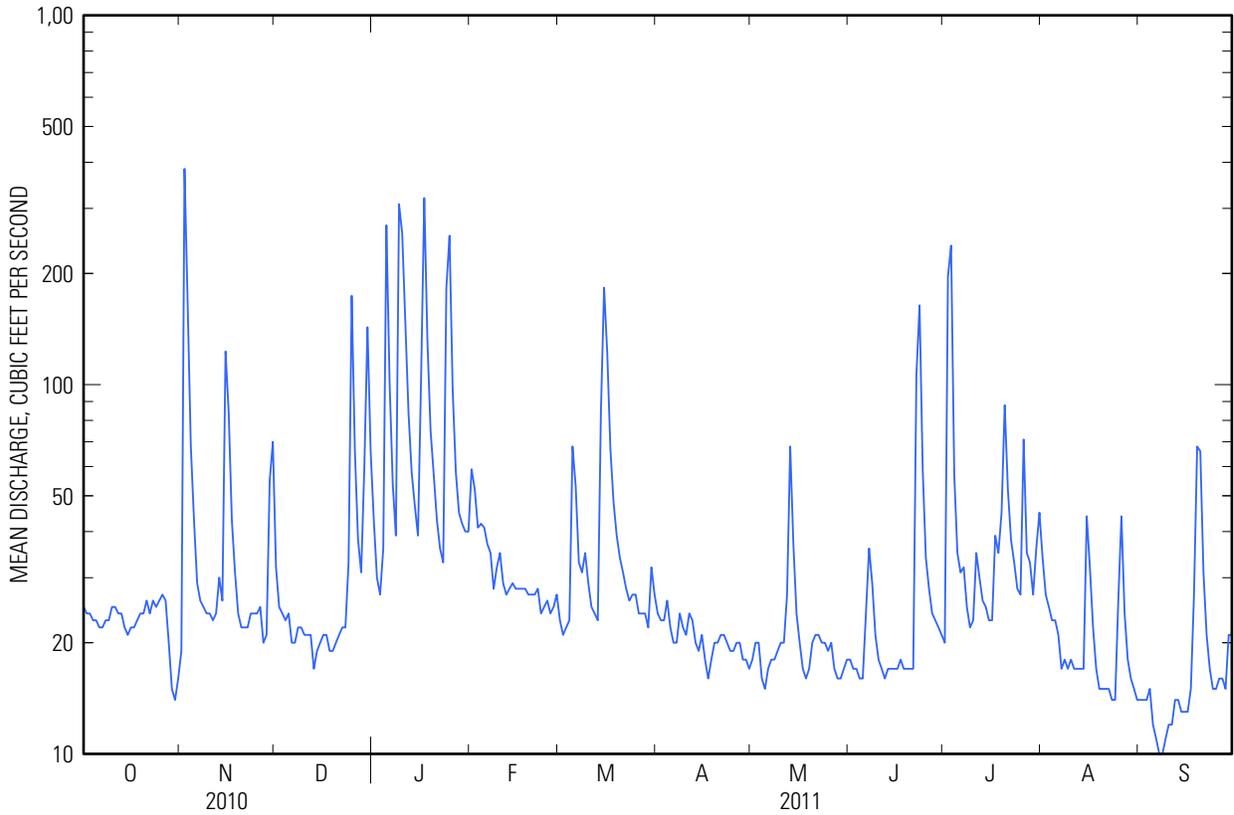
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	261	325	250	346	373	263	335	345	307	109	77.3	148
Max	5,189	2,982	1,949	1,710	1,932	1,972	2,106	1,541	2,818	978	1,208	1,532
(WY)	(1995)	(1999)	(1941)	(1979)	(1992)	(2001)	(1979)	(1993)	(2001)	(2007)	(1945)	(2008)
Min	3.06	3.55	8.88	4.52	13.1	11.6	13.2	9.10	6.57	5.58	2.84	3.86
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1971)	(1971)	(1956)	(1971)	(1956)	(1956)	(1956)

08068500 Spring Creek near Spring, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1939 - 2011	
Annual total	58,338		13,465			
Annual mean	160		36.9		262	
Highest annual mean					819	1941
Lowest annual mean					13.4	1956
Highest daily mean	2,640	Feb 14	384	Nov 2	55,900	Oct 18, 1994
Lowest daily mean	14	Oct 30	10	Sep 7	1.1	Oct 23, 1956
Annual seven-day minimum	19	Dec 13	11	Sep 5	1.6	Oct 20, 1956
Maximum peak flow			1,330	Jul 2	78,800	Oct 18, 1994
Maximum peak stage			6.54	Jul 2	44.05	Oct 18, 1994
Annual runoff (ac-ft)	115,700		26,710		189,700	
10 percent exceeds	310		66		466	
50 percent exceeds	59		24		47	
90 percent exceeds	23		16		12	



08068500 Spring Creek near Spring, TX—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

CHEMICAL DATA: Aug. 1983 to Sept. 1999, Dec. 2005 to current.

BIOCHEMICAL DATA: Aug. 1983 to Nov. 1999, Dec. 2005 to current.

PESTICIDE DATA: Aug. 1983 to Sept. 1990, Dec. 2005 to current.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Dec. 1999 to current year.

pH: Dec. 1999 to current year.

WATER TEMPERATURE: Dec. 1999 to current year.

DISSOLVED OXYGEN: Dec. 1999 to current year.

TURBIDITY: Nov. 2005 to current year.

INSTRUMENTATION.--Water-quality monitor since Dec. 1999.

REMARKS.--Record for water temperature excellent; record for specific conductance good; record for pH excellent; record for dissolved oxygen excellent; record for turbidity fair. Interruptions or periods of missing record may be due to instrument failure, no flow conditions or data corrections exceeding allowable criteria, which were deleted. Other than no flow conditions, minimum and maximum extremes may have occurred during period of missing record. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 940 microsiemens/cm, September 8, 2011; minimum, 30 microsiemens/cm, June 9, 2001.

pH: Maximum, 10.8 standard units, Mar. 12, 2009; minimum, 5.8 units, Jan. 5, 2000.

WATER TEMPERATURE: Maximum, 36.1 °C, July 17, 2006; minimum, 4.0 °C, Jan. 10, 2010.

DISSOLVED OXYGEN: Maximum, 20.0 mg/L, Aug. 16,18,22, 2006; minimum, 0.1 mg/L, Aug. 17, 2003.

TURBIDITY: Maximum, 970 FNU, July 2, 2011; minimum, 1.1 FNU, June 26,27, 2009.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 940 microsiemens/cm, Sept. 8; minimum, 110 microsiemens/cm, July 2.

pH: Maximum, 9.9 standard units, Aug. 15; minimum, 7.3 standard units on several days in March in water year 2011.

WATER TEMPERATURE: Maximum, 36.0 °C, Aug. 3; minimum, 4.5 °C, Feb. 5.

DISSOLVED OXYGEN: Maximum, 19.3 mg/L, May 7; minimum, 2.8 mg/L June 22.

TURBIDITY: Maximum, 970 FNU, July 2; minimum, 3.8 FNU, Sept. 8.

WATER-QUALITY DATA**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Part 1 of 4

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)
01-20-2011	1436	Surface water	Regular	761	56	10.2	97	7.5	399
05-05-2011	0950	Surface water	Regular	767	14	8.9	97	7.0	829
08-04-2011	1200	<i>QC sample - Artificial</i>	<i>Blank</i>	757	--	--	--	--	--
08-04-2011	1256	Surface water	Regular	757	21	11.7	161	7.9	811

08068500 Spring Creek near Spring, TX—Continued

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 4

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Gage height, ft (00065)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
01-20-2011	1436	12.8	30	1.49	.93	1.2	.212	.164	3.31
05-05-2011	0950	19.4	5.9	1.02	1.1	1.3	.083	.064	11.3
08-04-2011	1200	--	--	--	.08	< .05	< .013	< .010	< .02
08-04-2011	1256	31.8	12	1.07	1.1	1.4	.103	.080	9.89

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 4

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L (71856)	Nitrite, water, filtered, mg/L as N (00613)	Organic nitrogen, water, filtered, mg/L (00607)	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)
01-20-2011	1436	14.5	3.28	.091	.028	.77	1.1	2.24	.731	.73
05-05-2011	0950	49.5	11.2	.402	.123	1.1	1.3	9.18	3.00	2.95
08-04-2011	1200	< .089	< .020	< .003	< .001	< .08	< .05	< .012	< .004	< .01
08-04-2011	1256	43.2	9.77	.414	.126	1.0	1.3	8.28	2.70	2.46

08068500 Spring Creek near Spring, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 4

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)	Esche- richia coli, Defined Substrate Tech- nology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Tech- nology, water, MPN/100 mL (50569)	Atrazine, water, filtered, immunoas- say, unadjusted , recoverabl- e, microgram s per liter (99775)	Organic carbon, water, unfiltered, mg/L (00680)	Suspended sediment concen- tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
01-20-2011	1436	.80	4.2	4.5	250	5,800	.41	10.3	26	3.9
05-05-2011	0950	3.07	12	13	36	10,000	.44	8.7	31	1.2
08-04-2011	1200	< .01	< .10	< .07	< 0.1	< 0.1	< .10	.6	1	--
08-04-2011	1256	2.64	11	11	49	44,000	.26	10.4	32	1.8

08068500 Spring Creek near Spring, TX—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	625	560	598	738	655	717	562	514	533	546	492	522
2	632	568	607	681	239	330	578	540	564	590	539	566
3	660	562	619	373	266	324	602	555	584	632	580	608
4	655	596	631	458	372	413	601	551	576	629	278	606
5	674	605	640	486	436	457	611	559	589	439	128	343
6	---	612	---	536	475	492	620	579	594	453	369	398
7	697	624	668	564	505	538	649	603	631	491	442	459
8	701	618	663	583	527	564	642	599	629	551	484	510
9	---	614	---	612	561	585	679	619	639	553	222	371
10	695	587	659	626	575	609	694	632	668	372	311	348
11	699	592	662	633	585	615	710	641	687	391	323	361
12	703	621	668	641	587	618	706	626	669	429	382	403
13	719	652	690	641	554	598	726	693	711	460	403	428
14	734	625	688	605	557	592	731	700	723	497	426	456
15	722	628	692	579	429	481	737	670	721	514	448	481
16	727	657	700	487	429	448	737	674	719	520	305	448
17	729	640	704	505	462	492	738	666	711	336	302	314
18	721	627	693	540	492	517	733	680	715	388	336	361
19	703	636	673	583	522	553	755	672	727	406	367	390
20	715	620	680	592	549	578	741	676	719	438	384	411
21	716	639	680	608	560	592	753	674	724	467	416	439
22	708	656	693	613	552	594	730	650	700	514	438	466
23	713	647	682	614	579	601	719	660	699	516	449	493
24	721	624	696	632	576	606	737	283	673	519	268	390
25	708	633	679	619	580	607	567	310	516	327	278	300
26	710	644	687	628	563	593	532	469	496	397	327	356
27	707	641	687	645	603	630	585	532	554	440	378	406
28	700	610	661	671	618	656	611	569	586	460	406	435
29	717	627	671	654	454	586	628	416	556	505	420	456
30	752	691	728	519	469	495	534	460	499	524	458	490
31	762	703	749	---	---	---	545	462	484	533	436	487
Month	---	560	---	738	239	549	755	283	632	632	128	436

08068500 Spring Creek near Spring, TX—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

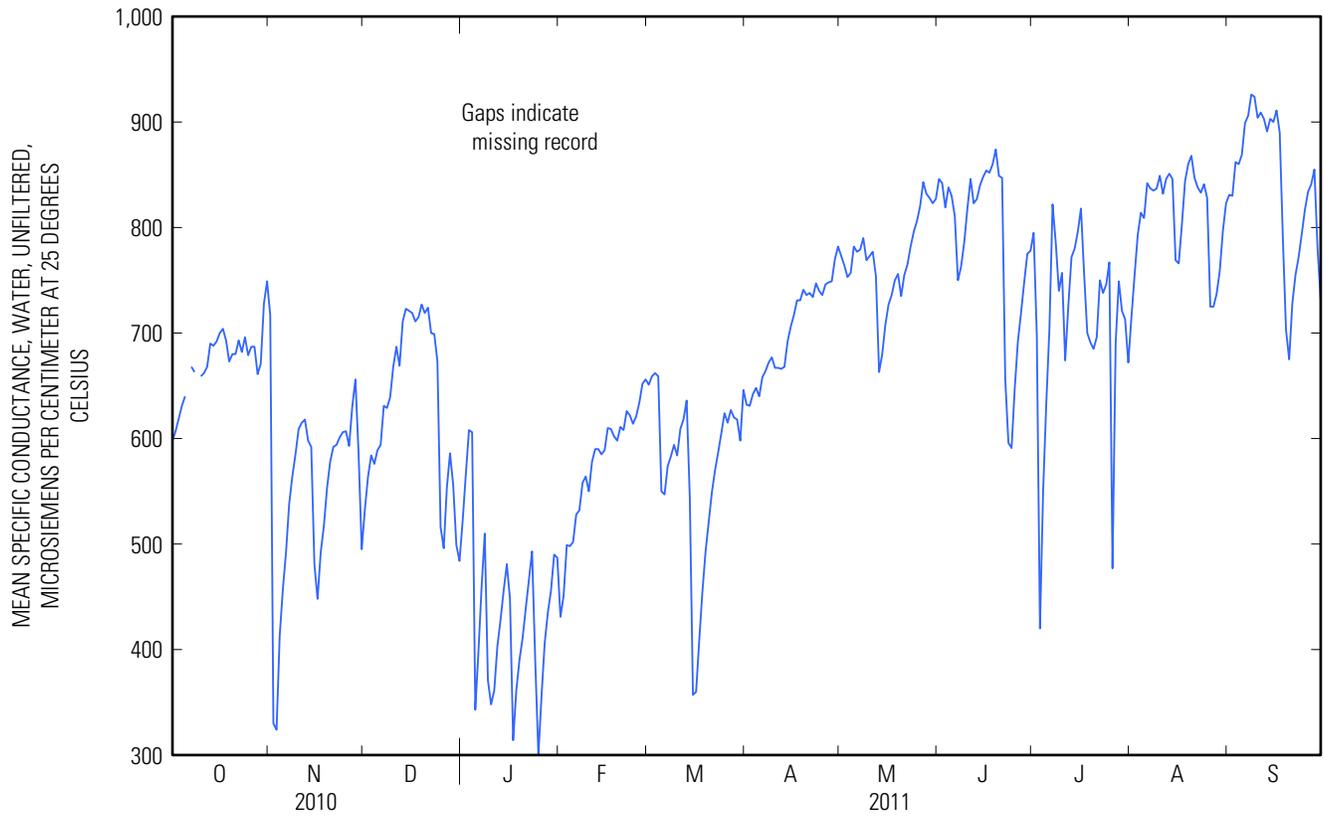
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	495	308	431	678	621	651	650	590	632	800	720	773
2	465	430	451	686	607	659	653	587	631	797	717	764
3	538	462	499	692	598	662	666	580	642	777	731	753
4	526	462	498	684	605	659	674	612	648	766	741	757
5	544	468	502	675	355	550	655	622	640	830	724	782
6	550	483	528	596	507	547	686	631	658	826	704	777
7	557	493	532	602	538	574	691	627	664	820	678	779
8	587	523	558	609	537	583	701	633	672	820	730	790
9	598	517	564	614	563	594	716	625	677	801	720	769
10	582	521	550	604	554	584	695	614	667	811	731	773
11	607	548	578	641	586	609	700	623	667	800	754	777
12	608	548	590	644	577	618	682	641	666	801	664	754
13	610	547	590	656	599	636	690	643	668	709	616	663
14	609	537	585	644	251	544	719	659	692	706	655	680
15	616	550	589	498	304	357	729	676	706	724	687	708
16	638	559	610	407	299	360	753	702	717	743	703	727
17	634	562	609	444	385	409	754	689	731	749	714	736
18	626	560	602	496	433	455	758	689	731	789	712	750
19	637	571	598	530	468	493	758	706	741	799	715	756
20	645	545	611	543	486	521	757	711	736	762	709	735
21	627	564	608	569	514	549	757	714	738	780	719	755
22	657	605	626	587	541	570	757	703	734	787	736	765
23	654	577	622	605	564	587	777	710	747	810	754	782
24	641	568	614	624	571	605	756	699	740	819	770	796
25	636	577	621	648	584	624	758	707	736	830	788	806
26	667	603	634	643	564	615	776	723	746	861	793	820
27	680	601	652	655	587	627	770	721	748	861	823	843
28	675	619	656	651	578	620	772	723	749	851	804	832
29	---	---	---	647	578	618	807	732	770	840	804	828
30	---	---	---	662	563	598	809	746	782	839	799	823
31	---	---	---	673	603	646	---	---	---	847	803	827
Month	680	308	575	692	251	572	809	580	703	861	616	770

08068500 Spring Creek near Spring, TX—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	868	821	846	818	769	795	759	676	715	852	805	831
2	873	782	842	832	110	698	769	730	755	846	808	830
3	843	782	819	507	272	420	814	752	793	881	826	862
4	859	804	838	602	507	550	839	778	814	870	839	860
5	850	800	830	651	596	633	821	782	809	889	838	869
6	832	783	811	744	651	704	864	809	842	910	871	899
7	809	726	750	863	744	822	858	805	837	921	886	906
8	778	745	763	830	699	786	859	805	835	940	906	926
9	803	767	786	770	699	740	856	813	837	939	901	924
10	843	783	818	773	717	757	870	819	849	915	895	904
11	855	820	846	724	647	674	864	816	832	919	881	909
12	849	788	823	748	691	726	869	822	846	917	878	903
13	841	800	827	791	748	772	873	818	851	902	871	891
14	855	816	840	806	750	780	867	808	846	914	886	903
15	866	823	848	810	754	796	853	737	769	921	867	900
16	870	838	854	840	778	818	791	748	766	937	867	911
17	875	827	852	869	653	756	824	772	803	939	740	890
18	880	829	860	738	598	700	869	813	844	829	741	790
19	909	829	874	746	513	691	876	843	860	819	580	703
20	864	830	849	707	669	685	889	832	868	701	616	675
21	862	833	847	735	669	696	866	813	847	742	685	728
22	873	272	656	808	728	750	872	793	838	771	738	755
23	653	566	596	808	684	738	874	779	833	787	750	772
24	644	565	591	762	719	746	877	799	841	806	781	794
25	660	632	647	782	703	767	857	776	828	831	783	817
26	716	656	692	779	343	477	778	687	725	844	799	834
27	731	706	719	718	608	691	746	686	725	856	826	841
28	765	714	748	805	677	749	768	697	737	876	837	855
29	794	754	775	741	695	721	778	710	759	871	463	780
30	806	752	778	764	662	713	812	775	797	804	518	731
31	---	---	---	712	629	672	838	796	823	---	---	---
Month	909	272	788	869	110	710	889	676	810	940	463	840

08068500 Spring Creek near Spring, TX—Continued



08068500 Spring Creek near Spring, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.6	7.5	7.9	7.9	7.5	7.6	7.8	7.6	7.7	8.0	7.8	7.8
2	8.6	7.5	8.0	7.7	7.4	7.4	7.8	7.6	7.6	7.9	7.8	7.8
3	8.7	7.5	8.2	7.6	7.4	7.5	7.8	7.6	7.6	8.0	7.8	7.8
4	8.8	7.6	8.3	7.8	7.5	7.6	7.8	7.6	7.6	8.0	7.7	7.8
5	8.9	7.6	8.4	7.7	7.5	7.6	8.0	7.6	7.7	8.0	7.6	7.9
6	8.9	7.6	8.4	7.6	7.4	7.5	7.9	7.6	7.6	8.1	7.9	7.9
7	8.9	7.6	8.4	7.6	7.4	7.5	7.8	7.6	7.7	8.0	7.8	7.9
8	8.9	7.6	8.3	7.7	7.4	7.5	7.9	7.6	7.6	8.0	7.8	7.8
9	8.9	7.6	8.3	7.7	7.4	7.5	8.1	7.6	7.7	8.0	7.8	7.9
10	8.8	7.6	8.1	7.7	7.4	7.5	8.1	7.7	7.8	8.1	7.9	7.9
11	8.6	7.6	7.9	7.8	7.4	7.5	8.1	7.6	7.8	7.9	7.8	7.9
12	8.5	7.6	8.0	8.0	7.5	7.6	8.2	7.7	7.8	7.9	7.8	7.8
13	8.6	7.6	7.8	7.9	7.5	7.6	8.1	7.7	7.8	7.8	7.7	7.8
14	8.5	7.6	8.0	7.7	7.5	7.6	8.2	7.7	7.8	7.8	7.7	7.7
15	8.6	7.6	8.0	8.0	7.5	7.8	8.3	7.6	7.8	7.7	7.6	7.7
16	8.7	7.6	8.1	7.9	7.6	7.7	8.4	7.6	7.8	7.8	7.6	7.8
17	8.7	7.6	8.0	7.8	7.5	7.6	8.3	7.7	7.9	7.9	7.8	7.8
18	8.5	7.6	8.0	7.7	7.5	7.5	8.2	7.7	7.8	7.9	7.8	7.8
19	8.6	7.5	8.0	7.6	7.4	7.5	8.4	7.7	7.9	7.8	7.7	7.8
20	8.3	7.5	7.9	7.7	7.4	7.5	8.6	7.7	7.9	7.7	7.6	7.7
21	8.2	7.5	7.8	7.9	7.5	7.7	8.5	7.7	8.0	7.7	7.6	7.7
22	8.0	7.5	7.7	7.9	7.6	7.7	8.2	7.7	7.9	7.7	7.6	7.7
23	7.9	7.5	7.6	8.0	7.6	7.7	8.5	7.7	7.9	7.7	7.6	7.7
24	7.8	7.4	7.6	8.0	7.6	7.7	8.6	7.7	7.9	7.9	7.6	7.8
25	7.9	7.5	7.6	7.9	7.6	7.7	8.1	7.8	8.0	7.9	7.8	7.8
26	7.8	7.5	7.6	8.0	7.7	7.8	8.1	7.9	8.0	7.8	7.7	7.8
27	7.8	7.4	7.5	7.8	7.6	7.7	8.1	7.8	7.9	7.8	7.6	7.7
28	7.8	7.4	7.5	7.9	7.7	7.7	8.0	7.8	7.8	7.7	7.5	7.6
29	7.7	7.5	7.6	7.9	7.6	7.7	7.9	7.7	7.7	7.6	7.5	7.5
30	7.7	7.5	7.6	8.0	7.7	7.8	8.1	7.9	8.0	7.6	7.5	7.5
31	7.8	7.5	7.6	---	---	---	8.0	7.8	7.9	7.8	7.5	7.5
Max	8.9	7.6	8.4	8.0	7.7	7.8	8.6	7.9	8.0	8.1	7.9	7.9
Min	7.7	7.4	7.5	7.6	7.4	7.4	7.8	7.6	7.6	7.6	7.5	7.5

08068500 Spring Creek near Spring, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	7.7	7.4	7.5	8.7	7.5	7.8	8.0	7.4	7.5	8.8	7.6	8.0
2	7.8	7.6	7.6	8.8	7.4	7.8	7.8	7.4	7.5	8.8	7.7	8.1
3	7.7	7.6	7.6	8.8	7.4	7.8	7.8	7.4	7.6	8.9	7.7	8.1
4	7.7	7.6	7.6	8.6	7.4	7.7	8.1	7.5	7.7	8.9	7.7	8.3
5	7.7	7.5	7.6	8.1	7.3	7.5	8.1	7.6	7.7	9.1	7.7	8.5
6	7.8	7.5	7.6	8.5	7.5	7.7	8.4	7.6	7.7	9.1	7.6	8.6
7	7.9	7.5	7.6	8.2	7.4	7.6	8.5	7.6	7.8	9.2	7.7	8.5
8	7.8	7.5	7.5	7.7	7.3	7.4	8.7	7.6	7.8	9.0	7.6	8.4
9	7.7	7.5	7.5	8.2	7.4	7.5	8.6	7.6	7.9	9.1	7.6	8.5
10	8.0	7.6	7.6	8.1	7.4	7.5	8.6	7.6	7.8	9.1	7.6	8.5
11	8.0	7.4	7.6	8.1	7.4	7.5	8.6	7.6	7.9	8.6	7.6	8.0
12	8.1	7.5	7.6	8.1	7.4	7.5	8.6	7.6	7.8	8.0	7.6	7.7
13	8.3	7.5	7.7	7.8	7.4	7.5	8.7	7.6	7.9	8.4	7.7	8.0
14	8.4	7.5	7.7	7.7	7.3	7.4	8.2	7.6	7.8	8.3	7.7	7.8
15	8.5	7.5	7.7	7.8	7.5	7.6	8.7	7.6	7.8	8.1	7.6	7.7
16	8.5	7.5	7.6	7.8	7.4	7.5	8.6	7.7	7.9	8.1	7.5	7.7
17	8.7	7.5	7.7	7.6	7.4	7.5	8.7	7.6	8.0	8.2	7.6	7.7
18	8.8	7.4	7.7	7.6	7.4	7.4	8.6	7.6	7.9	7.9	7.5	7.6
19	8.8	7.4	7.7	7.7	7.4	7.4	8.8	7.6	8.0	8.1	7.5	7.6
20	8.9	7.5	7.8	7.7	7.4	7.4	9.1	7.6	8.0	8.3	7.5	7.7
21	8.8	7.4	7.7	7.8	7.4	7.4	8.7	7.6	8.0	8.2	7.5	7.7
22	8.9	7.4	7.7	7.8	7.4	7.5	8.8	7.6	8.0	8.5	7.5	7.8
23	8.7	7.4	7.7	7.7	7.3	7.4	8.8	7.6	8.0	8.6	7.6	7.9
24	8.6	7.4	7.6	7.9	7.3	7.5	8.6	7.6	7.9	8.7	7.6	7.9
25	8.9	7.4	7.7	7.8	7.4	7.5	8.7	7.6	7.9	8.7	7.6	8.0
26	8.1	7.4	7.6	7.8	7.3	7.5	8.3	7.6	7.8	8.8	7.6	8.0
27	8.8	7.4	7.8	7.7	7.3	7.4	8.8	7.6	7.9	8.8	7.7	8.0
28	8.8	7.4	7.8	7.7	7.4	7.4	8.7	7.6	8.0	9.0	7.7	8.3
29	---	---	---	7.7	7.3	7.5	9.0	7.6	8.1	8.8	7.7	8.2
30	---	---	---	7.7	7.4	7.5	8.6	7.6	8.0	8.7	7.7	8.2
31	---	---	---	7.8	7.3	7.5	---	---	---	8.8	7.6	8.0
Max	8.9	7.6	7.8	8.8	7.5	7.8	9.1	7.7	8.1	9.2	7.7	8.6
Min	7.7	7.4	7.5	7.6	7.3	7.4	7.8	7.4	7.5	7.9	7.5	7.6

08068500 Spring Creek near Spring, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	27.7	22.6	25.3	25.1	20.6	22.5	14.8	11.5	13.1	16.2	13.1	14.5
2	26.0	21.4	24.1	24.1	19.6	20.8	15.8	11.3	13.4	13.1	10.5	11.8
3	25.1	20.9	23.2	19.6	18.2	18.9	17.4	13.4	15.2	13.5	9.9	11.6
4	23.5	19.2	21.7	19.6	16.8	18.1	18.9	15.2	16.9	16.1	13.0	14.3
5	23.0	18.2	20.8	17.9	14.5	16.2	17.8	14.1	15.6	16.3	14.7	15.5
6	23.0	17.5	20.4	17.4	13.4	15.3	14.1	11.5	12.6	15.3	12.4	13.8
7	23.8	18.0	20.8	17.7	13.3	15.4	13.7	10.0	11.7	15.0	11.2	13.0
8	24.2	18.5	21.3	19.0	14.1	16.4	13.6	12.5	13.0	14.3	11.4	12.9
9	24.8	19.0	21.9	19.7	15.9	17.7	13.4	10.0	11.8	13.4	10.0	11.4
10	25.4	20.0	22.8	20.8	17.6	19.1	16.1	11.3	13.4	10.9	10.0	10.5
11	26.2	21.6	23.8	21.9	19.5	20.7	17.7	14.6	15.9	10.8	8.6	9.5
12	26.5	22.9	24.6	23.2	20.8	21.9	15.6	11.3	12.5	9.8	6.8	8.2
13	25.1	21.0	23.3	22.2	17.9	19.8	11.8	8.9	10.3	8.5	7.3	8.0
14	24.3	20.9	22.8	17.9	15.8	16.4	14.2	9.3	11.6	10.2	8.1	9.0
15	23.3	18.7	21.1	17.7	15.9	16.8	17.0	13.2	14.9	13.1	9.8	11.3
16	23.7	18.6	21.1	18.6	16.2	17.2	17.5	15.3	16.4	13.9	12.7	13.1
17	24.3	19.3	21.7	19.2	14.6	16.7	16.4	14.4	15.2	13.0	11.5	12.3
18	25.1	21.0	23.0	17.7	15.0	16.3	14.4	12.8	13.5	13.3	11.5	12.3
19	25.9	21.6	23.7	17.1	13.2	15.1	13.9	10.4	12.1	14.3	10.3	12.2
20	26.1	21.8	23.8	18.7	14.8	16.6	17.6	12.9	14.9	13.1	10.2	12.4
21	26.0	22.5	24.3	21.0	17.3	19.0	20.6	17.4	18.8	11.4	8.6	9.8
22	24.9	22.3	23.7	22.1	18.7	20.3	19.9	18.6	19.1	12.1	7.3	9.5
23	25.6	22.9	24.2	23.4	20.8	22.0	18.6	16.3	17.4	13.0	9.0	10.9
24	26.5	23.2	24.7	23.6	21.6	22.5	16.5	14.3	15.3	12.8	11.5	12.1
25	26.1	23.4	24.9	23.5	20.2	22.5	14.8	11.4	13.2	13.0	10.9	11.7
26	27.4	24.3	25.6	20.2	14.3	16.5	12.0	9.5	10.7	13.3	9.1	11.0
27	28.2	24.8	26.4	14.6	11.4	13.0	11.9	8.3	10.1	14.0	9.3	11.4
28	27.4	21.2	23.7	16.5	11.8	13.8	13.9	11.5	12.5	14.9	10.0	12.2
29	21.2	17.4	19.0	20.9	16.3	18.1	14.9	13.7	14.2	15.7	12.0	13.7
30	19.7	15.6	17.6	18.8	14.0	16.5	16.1	13.6	14.8	17.4	15.1	16.0
31	21.9	16.5	18.8	---	---	---	17.6	16.1	16.6	18.9	15.2	17.0
Month	28.2	15.6	22.7	25.1	11.4	18.1	20.6	8.3	14.1	18.9	6.8	12.0

08068500 Spring Creek near Spring, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	17.8	9.5	14.5	22.1	15.7	18.6	27.6	19.0	22.8	29.4	24.5	26.7
2	10.3	7.1	8.7	21.4	14.7	17.9	25.8	22.2	23.9	27.6	22.2	24.5
3	8.3	6.8	7.6	21.0	15.4	18.1	24.0	21.7	22.8	26.2	19.2	22.4
4	7.3	6.0	6.7	22.8	18.9	20.6	23.6	20.2	22.6	25.8	18.2	22.0
5	10.8	4.5	7.3	20.8	16.5	18.8	23.8	16.0	19.6	27.3	19.2	23.2
6	13.3	7.0	9.9	20.7	14.1	17.0	25.5	16.5	20.7	28.4	20.4	24.3
7	13.2	9.4	11.2	18.8	14.7	16.8	26.5	20.4	23.2	30.4	21.7	25.7
8	13.2	7.8	10.3	20.7	17.5	18.9	29.3	22.7	25.5	30.7	24.3	27.3
9	11.7	7.0	9.8	23.0	18.3	20.3	29.6	22.9	26.0	32.3	25.3	28.5
10	10.1	5.5	7.5	20.7	14.6	17.5	30.3	23.6	26.6	31.9	25.8	28.7
11	11.7	5.5	8.3	21.4	13.4	17.1	29.6	24.0	26.3	29.3	25.9	26.7
12	13.1	6.6	9.5	23.6	16.3	19.5	27.9	20.0	23.7	26.2	23.3	25.2
13	14.7	7.8	11.0	22.6	18.2	20.2	27.4	19.4	23.3	30.3	21.9	25.4
14	16.5	10.6	13.3	21.1	18.3	19.7	25.4	23.0	24.2	29.6	22.3	25.5
15	17.5	12.8	15.1	21.1	15.9	18.3	28.3	22.8	24.9	28.8	20.8	24.4
16	17.0	14.0	15.5	20.5	16.9	18.4	26.3	18.4	22.1	29.6	21.9	25.4
17	19.1	15.2	17.0	23.6	18.3	20.4	25.9	18.1	22.0	28.5	21.0	24.7
18	21.5	17.3	19.1	24.9	19.6	21.7	27.2	22.2	24.5	26.5	22.4	23.8
19	21.5	17.8	19.5	26.9	20.3	22.9	30.3	23.4	26.5	27.2	22.6	24.7
20	22.4	18.1	19.8	26.6	20.2	22.9	31.0	24.9	27.6	29.8	25.2	27.2
21	21.7	18.6	20.1	25.9	20.2	22.6	29.9	25.1	27.4	29.4	25.3	27.3
22	21.9	18.2	19.9	26.0	20.6	22.9	30.8	24.7	27.4	32.3	25.5	28.5
23	22.9	19.5	20.8	26.2	21.1	23.4	30.5	25.1	27.5	31.7	26.0	28.6
24	22.8	20.1	21.3	26.4	21.1	23.4	29.7	24.9	27.1	33.4	26.3	29.4
25	22.7	17.5	19.9	26.0	21.2	23.3	29.3	24.9	27.0	32.0	26.6	29.2
26	19.9	17.1	18.5	27.4	22.1	24.4	27.3	25.1	26.1	33.6	26.3	29.5
27	24.4	19.2	21.5	26.3	22.8	24.4	30.2	24.7	26.9	32.9	24.8	28.7
28	23.8	18.9	21.7	24.0	20.3	21.4	28.1	21.0	24.4	33.5	26.4	29.9
29	---	---	---	22.6	19.6	20.9	27.7	19.8	23.8	32.4	26.5	29.5
30	---	---	---	22.4	18.4	20.3	27.1	22.9	25.0	32.3	26.6	29.4
31	---	---	---	25.2	17.1	20.7	---	---	---	33.8	26.8	29.9
Month	24.4	4.5	14.5	27.4	13.4	20.4	31.0	16.0	24.7	33.8	18.2	26.7

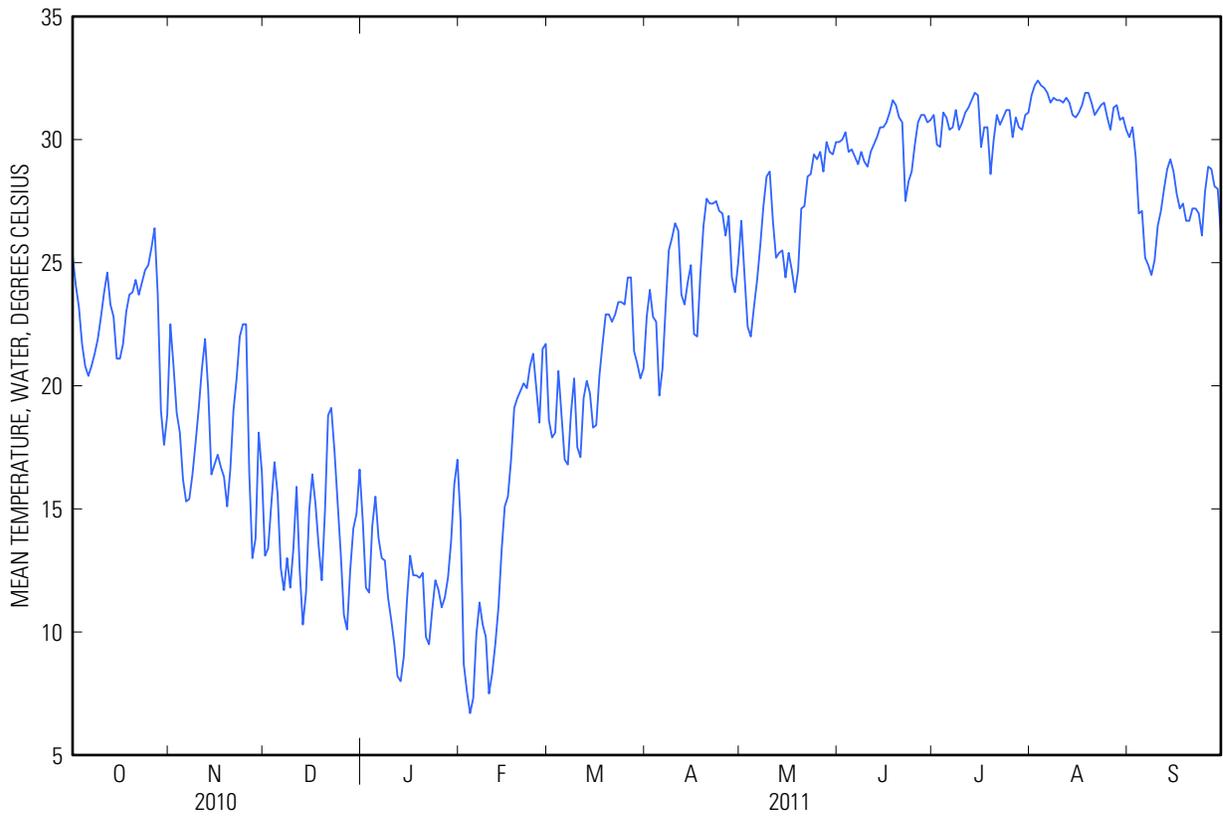
08068500 Spring Creek near Spring, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	33.6	26.4	29.9	34.4	27.8	31.0	35.8	28.7	31.8	32.6	27.4	30.1
2	34.1	26.1	30.0	34.9	24.7	29.8	35.8	29.1	32.2	33.2	28.0	30.5
3	33.8	27.0	30.3	33.5	26.5	29.7	36.0	29.1	32.4	31.2	27.4	29.3
4	33.4	25.8	29.5	34.8	28.2	31.1	35.4	28.9	32.2	28.6	26.2	27.0
5	32.8	26.2	29.6	34.9	28.0	30.9	35.6	29.0	32.1	29.7	25.0	27.1
6	33.1	26.1	29.3	33.3	27.7	30.4	34.8	29.1	31.9	27.8	22.0	25.2
7	33.3	25.2	29.0	34.2	27.3	30.5	34.0	28.9	31.5	27.4	21.8	24.9
8	33.2	26.7	29.5	34.1	28.2	31.2	34.9	28.7	31.7	27.2	21.3	24.5
9	31.9	26.4	29.1	32.3	28.6	30.4	34.6	28.7	31.6	28.0	21.9	25.1
10	32.0	26.1	28.9	34.1	27.8	30.7	34.5	28.8	31.6	29.2	23.6	26.5
11	32.8	26.3	29.5	34.6	27.9	31.1	34.5	28.8	31.5	29.9	24.0	27.1
12	33.3	26.3	29.8	34.1	28.9	31.3	34.3	29.1	31.7	31.0	25.0	28.0
13	34.0	26.5	30.1	35.3	28.5	31.6	34.0	28.9	31.5	32.0	25.9	28.8
14	34.2	27.1	30.5	35.2	28.8	31.9	32.5	29.1	31.0	31.8	26.7	29.2
15	33.7	27.5	30.5	34.0	29.2	31.8	34.4	28.4	30.9	30.9	26.3	28.7
16	33.9	27.6	30.7	32.1	28.6	29.7	34.8	28.1	31.1	30.1	25.2	27.8
17	34.6	28.0	31.1	34.3	27.6	30.5	35.0	28.4	31.4	28.8	25.8	27.2
18	35.0	28.3	31.6	33.0	28.6	30.5	35.3	28.8	31.9	29.5	25.8	27.4
19	34.3	28.5	31.4	30.9	27.5	28.6	35.1	28.7	31.9	28.1	25.3	26.7
20	33.8	28.0	30.9	32.7	28.1	30.0	33.7	29.2	31.5	29.0	24.9	26.7
21	33.4	28.2	30.7	34.9	28.1	31.0	33.9	28.2	31.0	29.7	25.3	27.2
22	31.4	24.9	27.5	32.5	28.5	30.6	34.0	28.4	31.2	30.1	24.8	27.2
23	30.3	26.7	28.3	34.4	28.0	30.9	34.4	28.4	31.4	29.6	24.7	27.0
24	31.4	26.4	28.7	34.3	28.6	31.2	34.1	28.9	31.5	29.0	23.3	26.1
25	33.3	27.0	29.8	33.5	28.6	31.2	34.3	27.9	30.9	30.9	25.3	27.9
26	34.5	27.7	30.7	33.8	27.3	30.1	33.0	27.9	30.4	31.8	26.6	28.9
27	34.8	28.0	31.0	33.6	28.6	30.9	34.6	28.7	31.3	31.4	26.5	28.8
28	34.2	28.0	31.0	32.7	28.3	30.5	34.6	28.4	31.4	30.7	25.4	28.1
29	34.6	27.5	30.7	32.6	28.2	30.4	33.7	27.9	30.8	30.8	26.3	28.0
30	34.6	27.4	30.8	35.6	27.9	31.0	33.8	28.1	30.9	28.5	24.3	26.2
31	---	---	---	35.3	27.7	31.1	33.0	27.8	30.4	---	---	---
Month	35.0	24.9	30.0	35.6	24.7	30.7	36.0	27.8	31.4	33.2	21.3	27.4

	Max	Min	Mean
Year	36.0	4.5	22.8

08068500 Spring Creek near Spring, TX—Continued



08068500 Spring Creek near Spring, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	13.0	5.6	8.2	10.7	6.3	8.1	11.0	8.6	9.6	10.2	7.6	8.8
2	13.5	5.7	8.6	7.5	6.6	6.9	11.3	8.7	9.6	11.1	8.3	9.5
3	14.3	5.7	8.8	7.9	6.6	7.3	11.3	8.2	9.4	10.8	8.1	9.4
4	14.8	6.1	9.4	9.1	7.7	8.2	11.0	7.7	9.0	10.5	7.9	8.8
5	15.5	6.8	10.0	9.7	7.9	8.7	11.8	7.5	9.3	9.2	8.6	8.8
6	15.7	6.8	10.2	10.2	8.2	9.0	11.8	8.4	9.8	10.0	8.8	9.3
7	15.6	6.6	10.0	10.4	8.3	9.0	12.0	9.0	10.1	10.7	8.7	9.5
8	15.4	6.2	9.9	10.5	8.0	9.0	11.8	8.3	9.8	10.8	8.5	9.3
9	15.2	6.1	9.4	10.6	7.8	8.8	13.3	8.9	10.6	10.4	8.5	9.5
10	14.8	5.7	9.1	10.8	7.5	8.7	13.4	9.3	10.7	10.5	9.8	10.2
11	13.6	5.5	8.6	11.0	7.1	8.6	12.8	8.3	10	11.3	10.4	10.9
12	12.8	5.3	8.3	11.2	6.9	8.5	13.4	8.6	10.6	11.7	10.7	11.2
13	13.9	5.7	8.5	10.8	6.8	8.3	13.9	9.8	11.4	11.8	10.7	11.2
14	13.8	5.9	8.9	10.7	7.4	8.7	14.4	9.7	11.4	11.3	10.5	10.9
15	14.3	6.2	9.3	9.6	7.9	8.6	13.9	8.5	10.6	11.2	9.2	10.4
16	14.6	6.1	9.5	9.7	8.3	8.7	13.8	7.6	10.1	10.2	9.1	9.6
17	14.5	6.0	9.4	10.3	8.2	9.0	13.7	7.7	10.2	10.0	9.6	9.8
18	13.3	5.7	8.9	10.4	8.1	9.0	13.9	8.2	10.5	10.1	9.7	9.9
19	13.2	5.5	8.7	10.8	8.4	9.3	14.8	8.7	11.0	10.6	9.5	10.0
20	11.9	5.3	8.0	10.8	8.1	9.1	14.9	8.1	10.8	10.1	9.5	9.8
21	12.0	5.2	8.0	11.0	7.5	8.8	13.4	6.7	9.4	11.2	10.1	10.6
22	11.0	5.5	7.8	10.9	7.0	8.6	11.8	6.4	8.6	11.4	9.9	10.7
23	10.6	5.5	7.5	10.6	6.6	8.1	13.3	6.7	9.3	11.3	9.5	10.4
24	9.8	5.2	7.0	10.3	6.5	8.0	13.3	7.3	9.4	10.3	9.2	9.9
25	9.5	5.2	7.0	9.6	6.4	7.7	9.9	8.4	9.2	10.5	10.0	10.2
26	9.2	5.3	6.8	11.1	7.2	8.9	11.0	9.2	9.9	10.9	9.9	10.4
27	8.9	5.1	6.5	11.5	8.5	9.7	11.8	9.1	10.2	10.9	9.7	10.3
28	9.8	5.3	7.1	11.8	8.5	9.7	11.1	8.3	9.5	10.9	9.2	10
29	10.7	6.7	8.4	10.2	7.5	8.3	8.7	7.6	8.1	10.3	8.6	9.5
30	11.2	7.2	8.8	9.9	7.7	8.7	9.5	8.1	8.8	9.8	8.2	8.8
31	11.2	7.0	8.7	---	---	---	9.1	7.7	8.2	10.8	8.1	9.1
Month	15.7	5.1	8.6	11.8	6.3	8.6	14.9	6.4	9.8	11.8	7.6	9.9

08068500 Spring Creek near Spring, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	10.2	8.1	9.1	16.0	6.8	10.2	11.4	6.0	8.1	14.4	5.2	9.0
2	12.1	10.0	11.0	16.7	6.8	10.5	10.5	5.6	7.6	15.2	5.0	9.0
3	12.2	10.7	11.3	16.2	6.7	10.4	9.6	5.8	7.6	16.2	6.0	9.9
4	12.6	11.0	11.6	15.0	5.8	9.7	10.8	6.1	8.0	17.5	6.0	10.8
5	12.8	10.4	11.6	10.5	6.0	8.0	12.6	7.0	9.2	18.6	5.7	11.2
6	12.6	9.7	11.0	13.2	7.7	9.9	13.1	6.8	9.2	18.2	5.4	10.8
7	12.8	9.6	10.8	13.1	7.2	9.5	13.1	6.2	8.9	19.3	5.3	10.6
8	13.2	9.6	11.0	10.5	6.6	8.2	13.1	5.6	8.5	18.0	4.6	9.6
9	11.7	9.3	10.3	12.2	6.3	8.7	12.6	5.5	8.3	17.9	4.3	9.7
10	14.0	10.6	11.9	12.8	7.1	9.3	12.7	5.2	8.2	17.6	4.1	9.3
11	14.6	10.3	11.9	13.3	7.3	9.5	12.5	5.0	7.9	11.1	4.0	7.2
12	14.9	10.0	11.8	12.9	6.6	9.1	13.3	5.8	8.7	9.9	4.4	6.5
13	15.4	9.6	11.7	11.7	6.0	8.3	13.6	6.1	9.1	9.3	5.2	6.9
14	15.2	9.1	11.3	9.1	5.9	7.2	11.5	5.3	8.0	11.1	5.1	7.4
15	15.2	8.5	11.1	9.3	7.6	8.3	13.3	5.8	8.8	11.5	5.0	7.6
16	15.1	8.2	10.7	9.1	7.8	8.3	13.9	6.4	9.3	12.0	5.0	7.8
17	15.4	7.9	10.8	8.7	7.3	8.0	14.5	6.6	9.7	12.4	5.0	8.1
18	16.3	7.3	10.7	8.8	6.9	7.7	13.4	5.8	8.9	9.6	4.9	7.1
19	15.8	7.0	10.3	9.2	6.6	7.6	13.9	5.4	8.8	11.1	4.8	7.7
20	15.6	7.0	10.2	9.3	6.6	7.6	13.3	5.0	8.3	11.3	4.4	7.2
21	15.2	6.7	10.1	9.8	6.6	7.8	12.9	5.1	8.2	10.4	4.3	6.8
22	16.8	6.7	10.5	10.0	6.6	7.9	13.5	5.2	8.4	11.9	4.7	7.6
23	15.5	6.4	9.7	10.0	6.2	7.7	13.2	5.1	8.3	11.8	4.5	7.4
24	14.0	6.2	9.3	10.7	6.1	7.8	13.0	5.2	8.2	12.5	4.5	7.7
25	16.9	6.6	10.4	10.1	6.2	7.6	12.9	5.2	8.1	11.9	4.4	7.6
26	12.9	6.8	9.4	10.1	5.7	7.5	11.2	5.0	7.5	12.8	4.3	7.6
27	15.8	6.4	9.9	9.7	5.4	7.2	14.2	5.2	8.7	13.3	4.2	7.8
28	15.3	5.7	9.4	10.6	6.0	7.9	15.0	5.6	9.2	13.9	4.2	8.1
29	---	---	---	10.5	6.3	8.0	15.8	5.6	9.8	12.8	4.2	7.7
30	---	---	---	10.8	6.8	8.1	13.0	5.4	8.5	12.4	4.4	7.4
31	---	---	---	11.1	6.4	8.2	---	---	---	12.6	4.3	7.5
Month	16.9	5.7	10.7	16.7	5.4	8.4	15.8	5.0	8.5	19.3	4.0	8.3

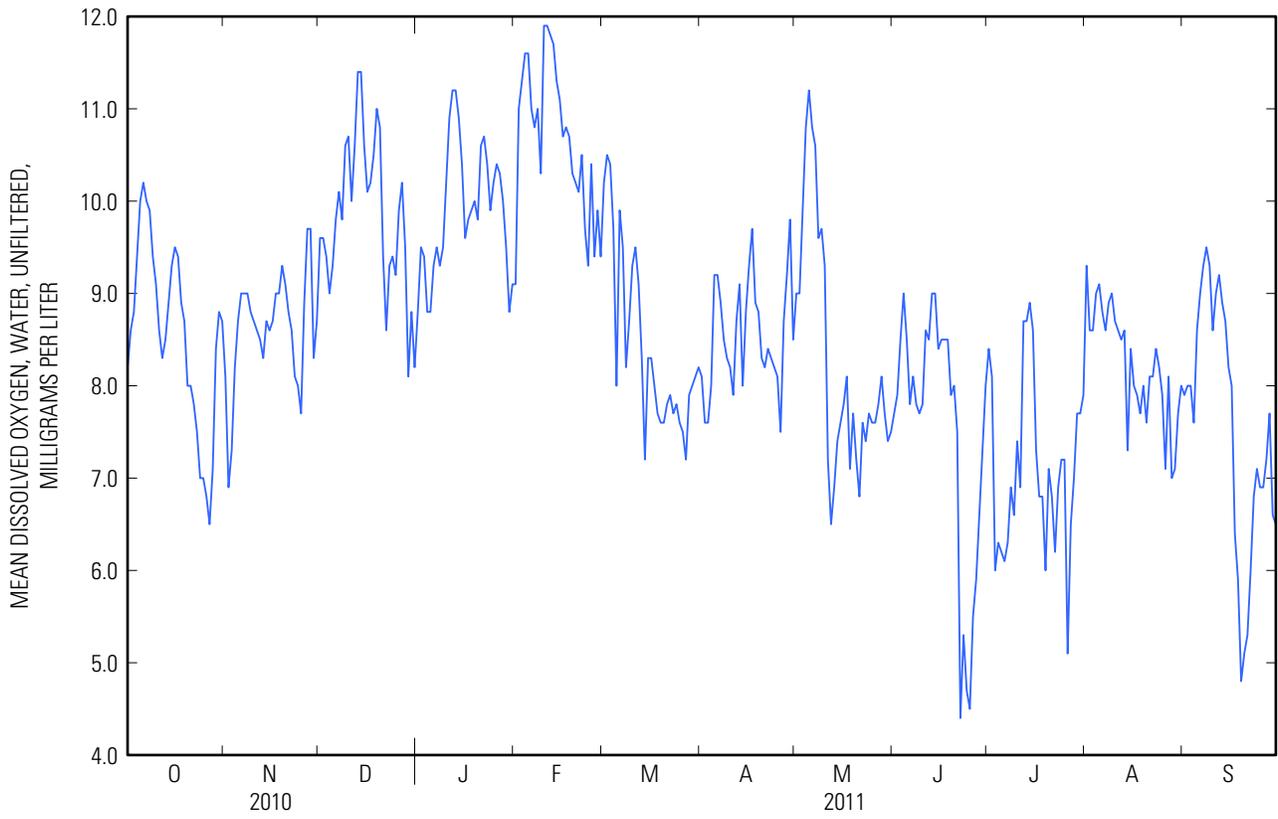
08068500 Spring Creek near Spring, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	13.2	4.2	7.7	15.4	4.2	8.4	18.5	4.6	9.3	14.2	4.2	7.9
2	13.6	4.2	7.9	16.8	4.0	8.1	15.5	4.4	8.6	14.9	4.1	8.0
3	15.6	4.0	8.5	8.6	4.5	6.0	16.2	4.1	8.6	14.4	4.1	8.0
4	15.9	4.8	9.0	9.2	4.4	6.3	17.7	3.9	9.0	12.8	4.3	7.6
5	15.0	4.6	8.5	9.1	4.7	6.2	18.0	4.2	9.1	15.1	4.5	8.6
6	14.3	4.6	7.8	8.0	4.9	6.1	16.9	4.1	8.8	15.4	4.6	9.0
7	14.0	4.8	8.1	8.2	5.0	6.3	16.7	4.1	8.6	15.5	4.9	9.3
8	12.8	4.5	7.8	10.2	4.9	6.9	17.8	4.2	8.9	15.3	4.9	9.5
9	12.5	4.4	7.7	9.5	4.7	6.6	17.4	4.1	9.0	15.6	4.8	9.3
10	12.9	4.2	7.8	12.0	4.7	7.4	17.4	4.1	8.7	15.5	4.2	8.6
11	15.2	4.4	8.6	11.4	4.3	6.9	16.9	4.0	8.6	17.0	4.2	9.0
12	16.0	4.0	8.5	16.6	4.5	8.7	16.4	4.0	8.5	18.9	3.6	9.2
13	16.9	4.1	9.0	15.6	4.7	8.7	16.3	3.9	8.6	18.2	3.7	8.9
14	16.9	4.0	9.0	16.5	4.5	8.9	12.5	3.9	7.3	17.7	3.2	8.7
15	15.2	4.0	8.4	15.9	4.2	8.6	16.2	4.3	8.4	15.6	3.5	8.2
16	16.0	3.9	8.5	12.9	4.3	7.3	14.7	4.3	8.0	14.9	3.7	8.0
17	16.1	3.9	8.5	10.9	4.8	6.8	14.5	4.3	7.9	10.9	3.5	6.4
18	16.4	3.7	8.5	10.6	4.6	6.8	13.7	4.2	7.7	10.6	3.4	5.9
19	15.8	3.2	7.9	8.7	4.7	6.0	14.3	4.1	8.0	7.4	3.4	4.8
20	15.6	3.4	8.0	10.9	5.1	7.1	13.2	4.2	7.6	8.0	3.6	5.1
21	14.8	3.1	7.5	10.3	5.0	6.8	14.2	4.4	8.1	8.6	3.4	5.3
22	5.5	2.8	4.4	9.0	4.6	6.2	14.4	4.3	8.1	10.1	3.9	6.0
23	7.3	3.7	5.3	10.5	4.9	6.9	15.2	4.2	8.4	12.3	3.9	6.8
24	6.4	3.4	4.7	12.0	4.6	7.2	15.1	3.9	8.2	11.8	4.4	7.1
25	6.3	3.0	4.5	12.4	4.6	7.2	16.1	4.1	7.9	11.9	4.1	6.9
26	7.8	3.7	5.5	6.8	4.1	5.1	12.8	3.9	7.1	12.4	3.7	6.9
27	9.0	4.0	5.9	10.4	4.3	6.5	16.3	4.1	8.1	13.2	4.1	7.2
28	10.2	4.2	6.6	10.0	4.7	7.0	12.6	3.8	7.0	13.8	4.3	7.7
29	12.0	4.4	7.3	12.4	4.8	7.7	12.3	3.9	7.1	13.4	4.0	6.6
30	14.0	4.2	8.0	13.6	4.8	7.7	14.0	3.9	7.7	10.8	4.0	6.5
31	---	---	---	13.9	4.6	7.9	14.3	4.1	8.0	---	---	---
Month	16.9	2.8	7.5	16.8	4.0	7.1	18.5	3.8	8.2	18.9	3.2	7.6

	Max	Min	Mean
Year	19.3	2.8	8.6

08068500 Spring Creek near Spring, TX—Continued



08068500 Spring Creek near Spring, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	12	10	11	41	10	13	23	15	18	25	20	22
2	11	8.9	9.8	370	19	130	18	13	15	20	16	18
3	10	7.8	8.6	80	48	63	14	12	13	17	14	16
4	9.8	6.9	8.0	48	28	37	14	12	12	150	15	20
5	9.7	6.5	7.6	28	20	25	42	10	15	410	52	110
6	8.4	6.1	7.0	20	15	17	45	10	27	53	29	40
7	8.3	6.1	6.9	18	15	16	51	9.2	19	32	24	28
8	8.2	6.3	7.0	17	14	15	44	9.3	17	25	20	22
9	9.2	6.9	7.5	17	14	15	16	8.9	11	190	20	76
10	9.8	7.1	7.8	21	15	18	12	8.4	10	74	43	56
11	10	7.2	8.5	22	15	18	12	7.9	9.2	55	30	41
12	12	8.2	9.1	18	13	15	8.2	6.5	7.6	34	25	30
13	10	8.1	9.3	17	12	14	7.5	5.8	6.5	26	20	22
14	11	8.3	9.2	32	10	12	7.7	5.5	6.5	20	17	19
15	10	7.3	8.6	40	12	29	9.7	6.3	7.2	19	17	18
16	9.8	7.3	8.2	41	25	34	10	7.1	8.3	96	17	30
17	9.9	7.1	8.2	26	17	19	11	7.4	8.6	100	39	56
18	11	7.6	9.0	18	13	16	19	8.0	12	40	28	33
19	12	8.0	9.8	15	12	13	11	7.1	8.2	29	26	28
20	13	8.8	11	14	11	12	11	7.1	8.3	27	20	24
21	13	9.7	11	14	11	13	11	8.1	9.2	21	18	20
22	13	9.5	11	14	11	12	13	8.8	9.9	32	18	23
23	18	11	13	14	12	13	11	8.7	9.6	23	18	20
24	19	12	16	14	11	12	41	7.6	12	150	17	67
25	17	12	14	13	11	12	65	27	45	99	38	51
26	18	12	14	12	9.8	11	28	21	25	40	26	32
27	20	12	15	9.9	7.5	8.5	21	15	18	30	23	26
28	18	13	16	13	7.5	8.9	17	15	16	32	22	24
29	14	11	12	69	9.0	22	49	15	21	50	21	31
30	12	8.1	9.8	67	22	35	62	31	42	26	16	20
31	13	8.4	10	---	---	---	34	24	31	24	16	18
Month	20	6.1	10	370	7.5	23	65	5.5	15	410	14	34

08068500 Spring Creek near Spring, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	420	18	78	12	7.3	9.5	16	12	13	22	11	14
2	50	19	28	11	6.3	8.2	18	13	15	16	9.9	13
3	19	16	17	12	6.9	8.7	19	13	15	17	10	12
4	16	15	16	17	7.4	10	23	12	15	15	7.2	9.6
5	16	14	15	110	9.2	30	17	11	13	14	5.7	7.8
6	21	14	16	33	15	21	14	8.6	11	14	5.6	8.1
7	17	14	15	22	14	17	14	9.6	11	13	7.2	9.3
8	18	13	15	74	14	17	17	10	13	16	6.9	9.1
9	---	---	---	18	14	16	17	11	14	20	7.4	9.7
10	---	---	---	19	10	14	19	11	13	21	7.6	9.8
11	---	---	---	21	8.7	12	16	11	13	23	8.1	11
12	12	8.7	9.7	18	9.6	12	16	9.5	13	40	9.3	16
13	12	9.1	10	18	9.7	13	14	8.2	11	64	30	42
14	12	9.5	11	120	11	41	16	9.4	11	34	23	27
15	12	9.3	10	110	59	85	16	9.5	12	30	19	21
16	11	8.8	9.8	91	41	61	15	7.6	10	29	16	20
17	11	9.1	9.9	57	34	43	12	6.6	8.9	22	15	18
18	13	8.9	10	35	24	29	13	8.7	10	20	12	16
19	12	9.2	11	27	19	23	15	9.0	11	20	14	17
20	11	8.4	9.7	36	18	23	15	10	12	22	15	18
21	12	8.0	9.7	21	14	18	17	10	12	35	16	22
22	12	8.7	9.8	18	14	16	16	11	13	34	17	21
23	11	8.5	9.3	19	14	16	18	9.4	12	30	18	21
24	12	8.1	9.3	18	13	16	18	10	13	25	16	19
25	12	7.9	9.3	19	14	16	17	11	13	21	15	17
26	17	7.6	9.0	21	13	15	16	11	12	23	14	17
27	13	7.5	8.7	25	14	17	18	11	13	20	14	16
28	13	8.0	10	17	12	14	16	9.9	13	33	12	16
29	---	---	---	16	11	13	22	7.1	11	67	18	30
30	---	---	---	23	12	16	16	8.1	9.8	96	19	33
31	---	---	---	24	14	18	---	---	---	48	17	22
Month	---	---	---	120	6.3	22	23	6.6	12	96	5.6	17

08068500 Spring Creek near Spring, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	24	16	18	29	21	24	41	17	29	13	7.7	9.5
2	26	16	19	970	23	110	37	14	21	17	7.8	9.5
3	23	13	17	380	55	130	26	12	15	12	6.9	8.6
4	19	14	16	150	44	74	16	9.8	12	30	6.3	11
5	63	18	31	770	38	120	14	8.2	11	30	7.0	12
6	46	16	22	470	40	170	35	10	17	14	4.9	7.8
7	29	22	25	120	32	62	27	11	16	8.8	4.1	6.2
8	24	17	20	79	24	44	15	11	13	8.9	3.8	5.9
9	21	15	18	120	37	68	15	9.6	12	16	4.3	6.6
10	21	15	18	71	23	39	16	9.6	12	23	6.9	10
11	52	16	21	81	34	56	14	9.1	11	22	6.9	9.5
12	51	26	35	34	25	28	19	9.0	12	21	8.5	11
13	36	28	31	26	16	21	18	9.8	12	24	8.7	12
14	42	30	35	20	14	16	22	12	14	15	9.8	11
15	45	32	38	15	11	13	36	14	26	14	9.6	11
16	51	31	38	58	10	17	26	20	23	18	9.3	11
17	60	30	41	88	17	38	29	17	20	25	9.9	16
18	120	34	47	60	21	29	34	13	16	36	17	21
19	120	36	64	34	21	26	20	13	15	75	15	42
20	53	33	41	40	27	35	23	12	14	64	22	33
21	45	31	36	37	22	26	18	12	14	24	17	21
22	160	35	79	25	18	22	31	12	15	20	16	18
23	130	72	100	40	17	22	15	12	13	21	15	17
24	130	82	110	38	18	25	17	11	13	54	12	16
25	91	36	62	42	17	21	30	12	17	54	12	23
26	65	28	37	420	18	140	30	16	22	48	16	20
27	63	28	37	63	26	39	46	15	20	30	15	18
28	44	25	31	67	24	36	37	14	18	22	12	15
29	32	23	27	61	19	35	25	11	15	940	12	69
30	31	22	26	53	18	27	17	10	12	170	26	67
31	---	---	---	83	24	50	13	8.8	10	---	---	---
Month	160	13	38	970	10	50	46	8.2	16	940	3.8	18

08068500 Spring Creek near Spring, TX—Continued

