

06893300 INDIAN CREEK AT OVERLAND PARK, KS

Lower Missouri-Blackwater Basin
 Lower Missouri-Crooked Subbasin

LOCATION.--Lat 38°56'26", long 94°40'16" referenced to North American Datum of 1927, in SW ¼ SE ¼ SE ¼ sec.7, T.13 S., R.25 E., Johnson County, KS, Hydrologic Unit 10300101, on right bank at downstream side of Marty Street bridge in Overland Park and at mile 10.1.

DRAINAGE AREA.--26.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 856.88 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 17, 1977, water-stage recorder at site 700 ft downstream at same datum.

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 29	1315	1,020	8.92
May 27	1130	3,370	11.73
May 30	1245	2,540	10.95
May 31	0800	*5,700	*13.62
Jun 15	1745	2,080	10.46
Aug 7	0800	1,040	8.91
Sep 19	2045	1,860	10.20

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	15	12	19	23	30	36	34	103	14	16	83
2	14	16	12	15	21	30	33	144	57	14	62	18
3	14	13	11	14	20	42	32	129	42	27	24	15
4	13	15	11	14	18	84	30	140	45	37	54	13
5	14	16	11	14	17	86	24	62	145	14	30	13
6	13	15	12	14	18	56	24	46	48	17	83	12
7	13	15	11	15	198	68	46	38	36	16	201	12
8	13	15	12	19	38	113	103	36	32	14	28	12
9	13	15	11	19	28	240	31	50	125	14	22	12
10	13	15	12	42	31	180	318	35	32	14	18	11
11	13	289	11	38	24	57	80	32	28	15	16	11
12	13	33	11	17	22	41	50	30	21	15	106	12
13	113	20	11	17	20	34	40	22	20	13	24	12
14	38	20	12	15	20	31	39	24	18	12	18	14
15	19	16	50	12	19	29	62	21	360	10	16	17
16	16	14	16	14	19	28	34	24	76	11	16	42
17	18	14	13	14	18	28	104	27	44	13	15	118
18	17	14	12	14	18	31	212	26	33	13	15	28
19	15	13	16	13	17	26	54	153	24	11	15	259
20	15	13	61	13	17	28	49	57	26	18	13	122
21	15	13	21	13	17	25	41	25	22	16	14	26
22	15	12	18	12	17	25	34	24	20	13	14	22
23	16	11	16	13	19	29	129	21	20	12	14	21
24	17	12	16	13	28	51	50	21	18	12	13	19
25	18	12	13	14	37	41	38	17	20	12	13	18
26	21	12	12	13	50	44	70	19	19	13	12	18
27	18	12	13	19	57	78	233	663	16	12	12	18
28	17	8.3	13	15	39	86	58	57	23	11	12	60
29	15	14	13	260	---	56	45	38	16	71	12	25
30	15	12	12	91	---	44	37	578	14	99	12	20
31	13	---	17	32	---	39	---	1,630	---	21	12	---
Mean	19.1	23.8	15.9	27.3	31.1	57.4	71.2	136	50.1	19.5	30.1	36.1
Max	113	289	61	260	198	240	318	1,630	360	99	201	259
Min	13	8.3	11	12	17	25	24	17	14	10	12	11
Ac-ft	1,170	1,420	976	1,680	1,730	3,530	4,240	8,380	2,980	1,200	1,850	2,150

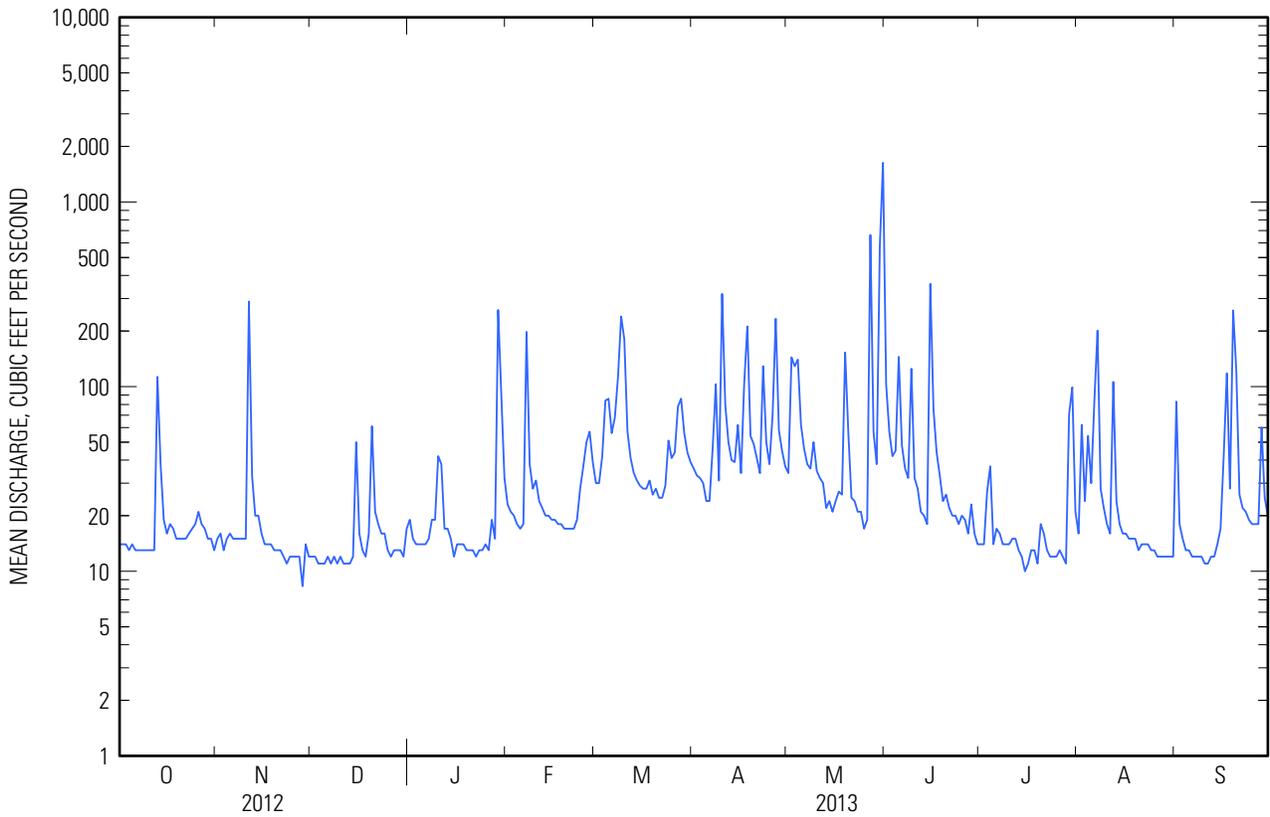
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.2	26.1	22.6	19.9	27.9	37.6	46.3	58.6	71.3	36.0	30.3	42.6
Max	146	114	107	99.1	118	208	158	243	263	248	118	217
(WY)	(1986)	(1999)	(1993)	(1982)	(1985)	(1973)	(1994)	(1990)	(1984)	(1993)	(2005)	(1986)
Min	0.00	0.47	0.00	0.26	0.63	1.19	2.86	3.26	4.86	0.91	0.56	0.66
(WY)	(1964)	(1967)	(1964)	(1964)	(1964)	(1964)	(1977)	(1965)	(1968)	(1975)	(1967)	(1976)

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1964 - 2013	
Annual mean	33.3		43.2		37.7	
Highest annual mean					89.5	1993
Lowest annual mean					8.32	1976
Highest daily mean	1,090	Sep 1	1,630	May 31	4,340	Jun 9, 1984
Lowest daily mean	8.3	Nov 28	8.3	Nov 28	0.00	Oct 1, 1963
Annual seven-day minimum	11	Dec 3	11	Dec 3	0.00	Oct 1, 1963
Maximum peak flow			5,700	May 31	12,800	Jun 9, 1984
Maximum peak stage			13.62	May 31	17.78	Jun 9, 1984
Instantaneous low flow			0.55	Nov 28	0.00	many years
Annual runoff (ac-ft)	24,160		31,290		27,350	
10 percent exceeds	38		81		61	
50 percent exceeds	15		19		15	
90 percent exceeds	12		12		1.9	



06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2011 to July 2013 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 2011 to July 2013 (discontinued).

pH: May 2011 to July 2013 (discontinued).

WATER TEMPERATURE: May 2011 to July 2013 (discontinued).

DISSOLVED OXYGEN (Lumin): May 2011 to July 2013 (discontinued).

TURBIDITY (YSI 6136 sensor): May 2011 to July 2013 (discontinued).

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs Instrument (YSI) 6136 sensors.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 6,010 microsiemens/cm, Feb. 27, 2013; minimum, 90 microsiemens/cm, June 18, 2011.

pH: Maximum, 9.3 standard units, Aug. 2, 2012; minimum, 7.2 standard units, Apr. 17, 2013.

WATER TEMPERATURE: Maximum, 31.9°C, July 23, 2011; minimum, 0.5°C, Feb. 21, 2013.

DISSOLVED OXYGEN (Lumin): Maximum, 17.8 mg/L, Jan. 8, 2012; minimum, 1.0 mg/L, May 2, 2012.

TURBIDITY (YSI 6136 sensor): Maximum, 1,340 FNU, June 18, 2011; minimum, 0.3 FNU, Oct. 8, 2011.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 6,010 microsiemens/cm, Feb. 27; minimum, 124 microsiemens/cm, May 31.

pH: Maximum, 8.9 standard units, Dec. 2; minimum, 7.2 standard units, Apr. 17.

WATER TEMPERATURE: Maximum, 28.8°C, July 9; minimum, 0.5°C, Feb. 21.

DISSOLVED OXYGEN (Lumin): Maximum, 17.0 mg/L, Apr. 5; minimum, 4.5 mg/L, Apr. 9.

TURBIDITY (YSI 6136 sensor): Maximum, 1,130 FNU, May 27; minimum, 0.8 FNU, Dec. 1.

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,090	1,060	1,080	1,160	1,130	1,150	1,190	1,170	1,170	4,900	3,060	4,090
2	1,110	1,060	1,070	1,180	1,160	1,170	1,190	1,180	1,190	4,340	2,420	3,040
3	1,140	1,110	1,130	1,180	1,170	1,180	1,190	1,150	1,170	2,560	2,090	2,280
4	1,160	1,140	1,150	1,190	1,180	1,180	1,170	1,130	1,140	2,420	2,100	2,280
5	1,200	1,160	1,170	1,180	1,150	1,160	1,180	1,140	1,170	2,490	2,140	2,280
6	1,190	1,170	1,180	1,150	1,130	1,140	1,180	1,160	1,170	2,450	2,050	2,220
7	1,190	1,170	1,170	1,150	1,130	1,140	1,180	1,150	1,160	2,520	1,920	2,180
8	1,170	1,120	1,130	1,160	1,150	1,160	1,160	1,150	1,160	3,040	1,770	2,240
9	1,130	1,090	1,100	1,170	1,160	1,170	1,160	1,150	1,160	1,770	1,530	1,620
10	1,120	1,100	1,110	1,180	1,170	1,180	1,160	1,130	1,140	2,930	1,450	1,750
11	1,150	1,120	1,140	1,180	240	551	1,140	1,100	1,120	3,360	1,610	2,550
12	1,160	1,150	1,150	726	388	565	1,140	1,110	1,120	1,610	1,380	1,460
13	1,160	348	756	879	726	829	1,160	1,140	1,150	1,410	1,340	1,380
14	637	367	461	983	870	946	1,150	897	1,140	1,340	1,280	1,310
15	905	637	835	1,070	978	1,040	1,100	657	787	1,350	1,270	1,310
16	990	863	932	1,080	1,050	1,070	929	764	862	1,360	1,340	1,350
17	1,060	940	999	1,090	1,060	1,080	1,050	921	994	1,360	1,310	1,330
18	1,040	997	1,020	1,100	1,080	1,090	1,050	1,010	1,030	1,380	1,350	1,360
19	1,100	1,040	1,070	1,110	1,080	1,090	1,070	551	1,040	1,380	1,330	1,350
20	1,110	1,090	1,100	1,100	1,070	1,080	2,470	415	1,260	1,370	1,310	1,340
21	1,130	1,100	1,120	1,100	1,070	1,080	2,670	2,060	2,330	1,360	1,300	1,330
22	1,120	1,100	1,110	1,110	1,090	1,100	2,800	2,070	2,440	1,320	1,260	1,290
23	1,120	1,090	1,100	1,120	1,090	1,100	2,850	2,310	2,550	1,300	1,260	1,280
24	1,120	1,110	1,110	1,120	1,090	1,110	2,940	2,040	2,320	1,310	1,280	1,290
25	1,130	1,120	1,130	1,120	1,090	1,110	2,100	1,730	1,850	1,340	1,300	1,320
26	1,140	1,120	1,130	1,110	1,080	1,090	1,960	1,620	1,780	1,340	1,300	1,320
27	1,140	1,090	1,110	1,100	1,080	1,090	1,660	1,470	1,560	1,830	1,340	1,520
28	1,160	1,130	1,150	1,120	1,100	1,110	1,620	1,480	1,560	1,830	1,490	1,610
29	1,160	1,130	1,140	1,140	1,120	1,130	1,640	1,490	1,550	1,500	409	904
30	1,140	1,110	1,120	1,170	1,140	1,150	1,600	1,410	1,490	1,800	623	1,270
31	1,130	1,110	1,130	---	---	---	3,570	1,430	2,020	2,270	1,800	2,010
Month	1,200	348	1,070	1,190	240	1,070	3,570	415	1,410	4,900	409	1,740

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

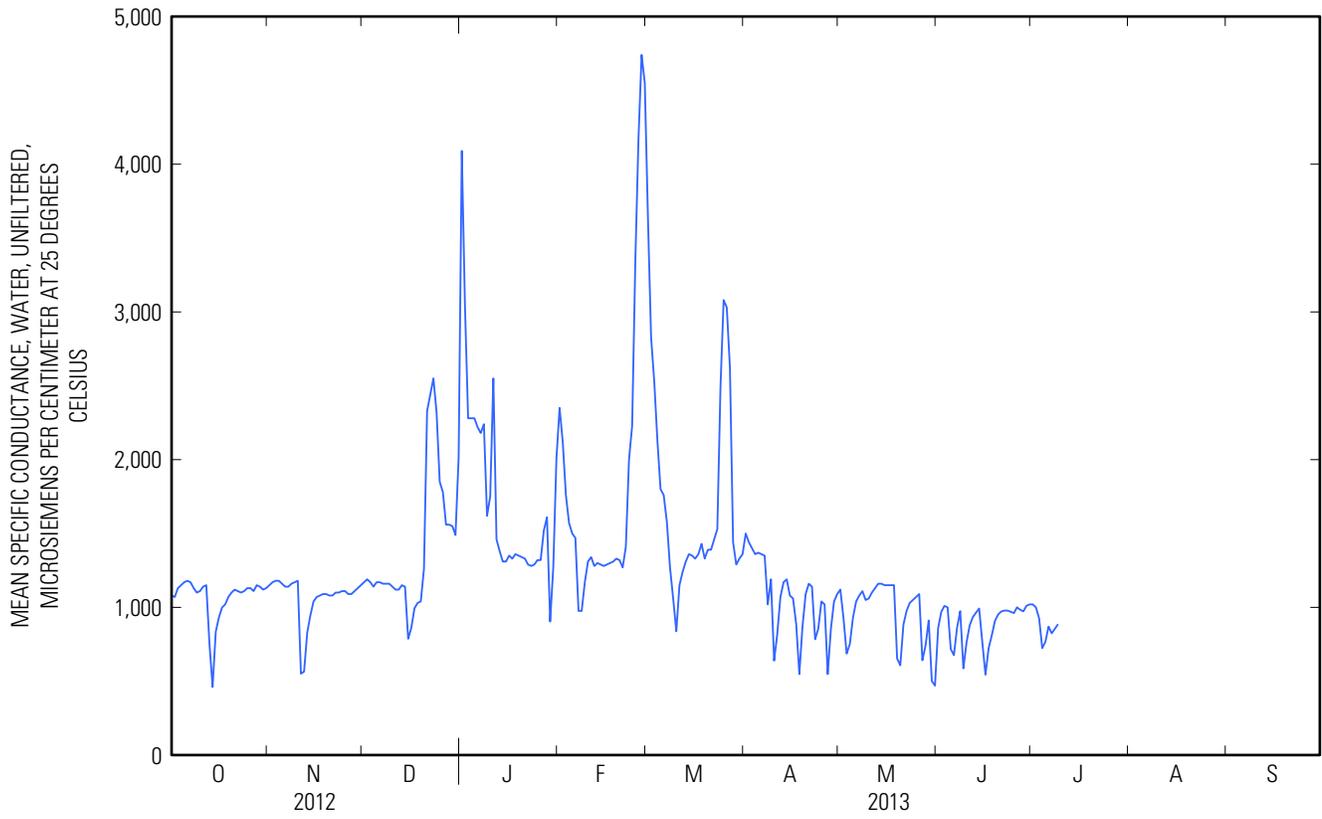
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	2,410	2,220	2,350	4,140	2,970	3,640	1,600	1,390	1,500	1,160	1,100	1,120
2	2,220	1,990	2,120	2,970	2,520	2,830	1,470	1,420	1,440	1,160	474	925
3	2,010	1,700	1,760	2,650	2,290	2,530	1,420	1,360	1,400	868	468	687
4	1,750	1,530	1,570	2,490	1,600	2,130	1,370	1,350	1,360	873	643	751
5	1,600	1,470	1,500	1,980	1,600	1,800	1,380	1,350	1,370	1,010	834	930
6	1,690	1,420	1,470	1,920	1,670	1,760	1,380	1,340	1,360	1,070	1,010	1,040
7	1,720	598	976	1,710	1,390	1,580	1,740	960	1,350	1,100	1,070	1,080
8	1,110	775	976	1,400	1,010	1,270	1,730	614	1,020	1,130	1,100	1,110
9	1,220	1,110	1,170	1,640	684	1,060	1,220	935	1,190	1,130	995	1,050
10	1,390	1,210	1,310	1,080	551	838	1,150	447	639	1,100	1,050	1,060
11	1,570	1,260	1,340	1,210	1,080	1,150	994	570	819	1,120	1,080	1,100
12	1,300	1,260	1,280	1,290	1,210	1,240	1,150	994	1,070	1,140	1,120	1,130
13	1,300	1,290	1,300	1,340	1,290	1,310	1,190	1,150	1,170	1,170	1,140	1,160
14	1,300	1,280	1,290	1,400	1,340	1,360	1,210	1,140	1,190	1,170	1,150	1,160
15	1,300	1,240	1,280	1,400	1,320	1,350	1,220	965	1,080	1,160	1,140	1,150
16	1,320	1,280	1,290	1,340	1,310	1,330	1,080	1,050	1,060	1,160	1,140	1,150
17	1,310	1,290	1,300	1,560	1,310	1,360	1,100	497	887	1,180	1,140	1,150
18	1,450	1,280	1,310	1,620	1,340	1,430	704	433	548	1,170	1,140	1,150
19	1,390	1,280	1,330	1,350	1,310	1,330	989	704	871	1,160	419	653
20	1,380	1,300	1,320	1,450	1,350	1,390	1,180	989	1,090	814	493	608
21	1,370	1,230	1,270	1,580	1,350	1,390	1,190	1,140	1,160	930	814	884
22	1,910	1,280	1,410	1,510	1,380	1,460	1,190	1,120	1,140	1,020	894	976
23	2,230	1,850	2,000	2,130	1,410	1,530	1,150	536	784	1,050	1,020	1,030
24	2,780	1,930	2,230	2,910	2,100	2,490	978	689	855	1,070	1,030	1,050
25	3,940	2,710	3,340	3,400	2,880	3,080	1,100	978	1,040	1,090	1,050	1,070
26	4,800	3,570	4,170	3,710	2,690	3,030	1,110	795	1,020	1,100	1,080	1,090
27	6,010	3,630	4,740	3,650	1,650	2,620	795	364	548	1,080	189	642
28	5,120	4,140	4,550	1,650	1,290	1,440	979	689	855	861	543	740
29	---	---	---	1,310	1,270	1,290	1,100	977	1,040	960	861	911
30	---	---	---	1,380	1,290	1,330	1,110	1,060	1,090	959	184	501
31	---	---	---	1,390	1,340	1,360	---	---	---	741	124	470
Month	6,010	598	1,860	4,140	551	1,730	1,740	364	1,060	1,180	124	953

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	941	741	860	1,030	999	1,020	---	---	---	---	---	---
2	1,010	941	970	1,020	985	1,000	---	---	---	---	---	---
3	1,050	1,000	1,010	1,010	533	926	---	---	---	---	---	---
4	1,050	921	1,000	823	610	724	---	---	---	---	---	---
5	1,020	308	717	857	611	767	---	---	---	---	---	---
6	791	490	677	907	846	870	---	---	---	---	---	---
7	940	791	863	880	775	824	---	---	---	---	---	---
8	998	940	974	896	816	855	---	---	---	---	---	---
9	996	451	587	907	874	886	---	---	---	---	---	---
10	842	700	762	---	---	---	---	---	---	---	---	---
11	915	821	878	---	---	---	---	---	---	---	---	---
12	953	915	934	---	---	---	---	---	---	---	---	---
13	988	925	964	---	---	---	---	---	---	---	---	---
14	1,020	973	992	---	---	---	---	---	---	---	---	---
15	1,010	171	765	---	---	---	---	---	---	---	---	---
16	729	304	544	---	---	---	---	---	---	---	---	---
17	776	640	723	---	---	---	---	---	---	---	---	---
18	876	668	810	---	---	---	---	---	---	---	---	---
19	930	876	908	---	---	---	---	---	---	---	---	---
20	965	912	951	---	---	---	---	---	---	---	---	---
21	981	956	972	---	---	---	---	---	---	---	---	---
22	985	971	978	---	---	---	---	---	---	---	---	---
23	994	961	978	---	---	---	---	---	---	---	---	---
24	984	954	970	---	---	---	---	---	---	---	---	---
25	978	937	961	---	---	---	---	---	---	---	---	---
26	1,020	965	1,000	---	---	---	---	---	---	---	---	---
27	994	937	984	---	---	---	---	---	---	---	---	---
28	997	888	973	---	---	---	---	---	---	---	---	---
29	1,030	989	1,010	---	---	---	---	---	---	---	---	---
30	1,040	1,010	1,020	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	1,050	171	891	---	---	---	---	---	---	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued



06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

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

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

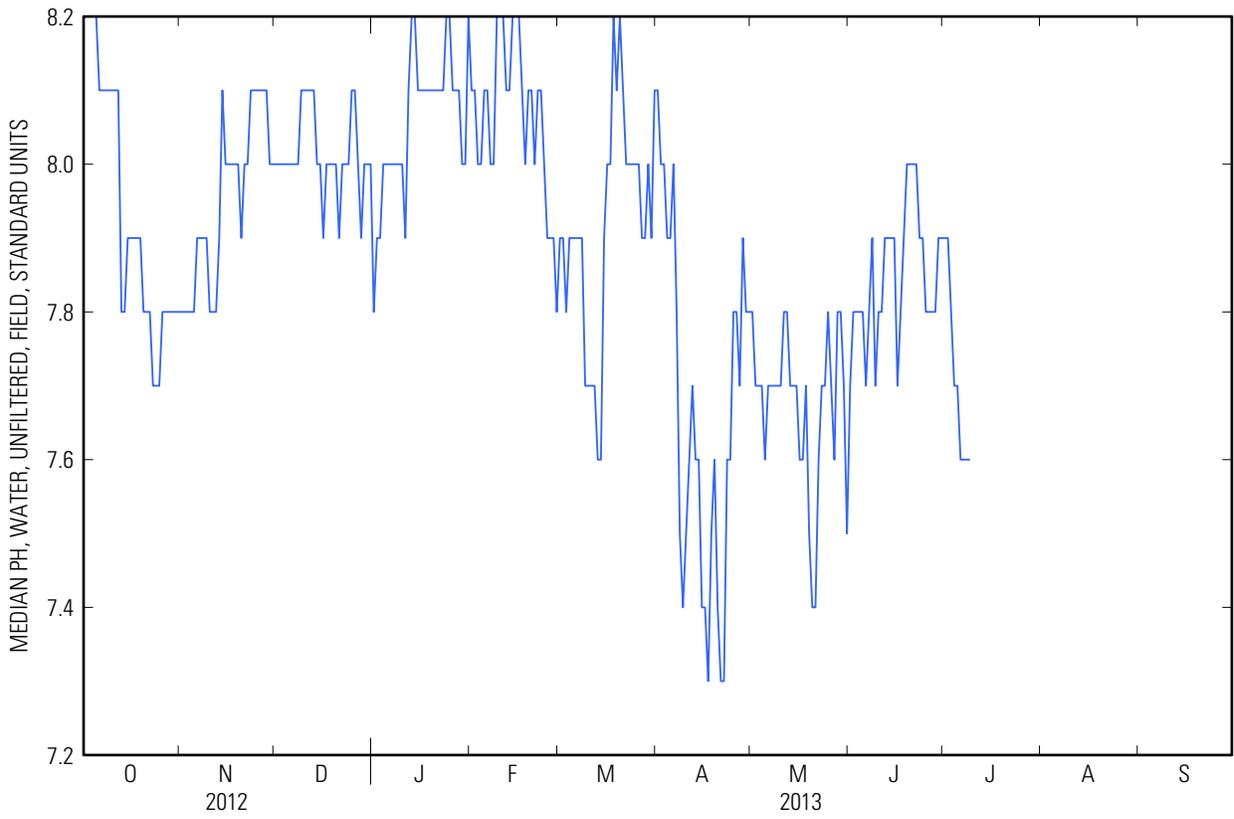
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.1	8.0	8.1	8.1	7.7	7.9	8.5	7.7	8.1	7.8	7.7	7.8
2	8.2	8.0	8.1	8.1	7.8	7.9	8.4	7.6	8.0	7.8	7.6	7.7
3	8.2	8.0	8.0	8.2	7.7	7.8	8.4	7.6	8.0	7.8	7.6	7.7
4	8.2	8.0	8.0	8.4	7.7	7.9	8.2	7.5	7.9	7.8	7.6	7.7
5	8.4	8.0	8.1	8.2	7.8	7.9	8.6	7.6	7.9	7.7	7.6	7.6
6	8.5	8.0	8.1	8.4	7.8	7.9	8.5	7.6	8.0	7.8	7.6	7.7
7	8.1	7.8	8.0	8.3	7.8	7.9	8.0	7.5	7.8	7.8	7.7	7.7
8	8.1	7.8	8.0	8.1	7.8	7.9	7.8	7.3	7.5	7.8	7.6	7.7
9	8.3	8.0	8.2	7.8	7.6	7.7	7.7	7.3	7.4	7.9	7.6	7.7
10	8.3	8.0	8.2	7.8	7.7	7.7	7.7	7.4	7.5	7.8	7.7	7.7
11	8.5	8.0	8.2	7.7	7.6	7.7	7.8	7.6	7.6	7.9	7.7	7.8
12	8.5	8.0	8.1	7.8	7.6	7.7	7.9	7.6	7.7	7.9	7.7	7.8
13	8.6	8.0	8.1	7.7	7.6	7.6	7.8	7.5	7.6	8.1	7.6	7.7
14	8.7	8.0	8.2	7.8	7.5	7.6	7.8	7.4	7.6	8.0	7.6	7.7
15	8.7	8.0	8.2	8.1	7.6	7.9	7.5	7.3	7.4	8.3	7.6	7.7
16	8.7	8.0	8.2	8.2	7.8	8.0	7.4	7.3	7.4	7.8	7.5	7.6
17	8.7	8.0	8.1	8.2	7.8	8.0	7.5	7.2	7.3	7.8	7.6	7.6
18	8.3	7.9	8.0	8.5	7.8	8.2	7.6	7.3	7.5	8.3	7.6	7.7
19	8.6	7.9	8.1	8.3	7.9	8.1	7.8	7.4	7.6	7.7	7.3	7.5
20	8.4	8.0	8.1	8.6	7.8	8.2	7.6	7.3	7.4	7.5	7.4	7.4
21	8.4	7.9	8.0	8.3	7.9	8.1	7.3	7.2	7.3	7.7	7.4	7.4
22	8.6	7.9	8.1	8.2	7.8	8.0	7.5	7.2	7.3	7.6	7.4	7.6
23	8.5	7.9	8.1	8.2	7.8	8.0	7.8	7.4	7.6	7.8	7.5	7.7
24	8.3	7.8	8.0	8.2	7.7	8.0	7.9	7.6	7.6	8.0	7.7	7.7
25	8.0	7.8	7.9	8.3	7.8	8.0	7.9	7.8	7.8	8.3	7.7	7.8
26	8.0	7.8	7.9	8.5	7.7	8.0	7.8	7.7	7.8	8.1	7.6	7.7
27	8.2	7.7	7.9	8.4	7.7	7.9	7.8	7.7	7.7	7.7	7.4	7.6
28	8.0	7.7	7.8	8.3	7.7	7.9	8.0	7.7	7.9	7.9	7.5	7.8
29	---	---	---	8.4	7.7	8.0	7.9	7.7	7.8	8.0	7.7	7.8
30	---	---	---	8.2	7.7	7.9	7.9	7.7	7.8	7.9	7.5	7.7
31	---	---	---	8.5	7.7	8.1	---	---	---	7.8	7.5	7.5
Max	8.7	8.0	8.2	8.6	7.9	8.2	8.6	7.8	8.1	8.3	7.7	7.8
Min	8.0	7.7	7.8	7.7	7.5	7.6	7.3	7.2	7.3	7.5	7.3	7.4

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.8	7.6	7.7	8.3	7.8	7.9	---	---	---	---	---	---
2	7.9	7.7	7.8	8.3	7.8	7.9	---	---	---	---	---	---
3	7.9	7.6	7.8	8.3	7.8	7.8	---	---	---	---	---	---
4	7.9	7.6	7.8	7.9	7.6	7.7	---	---	---	---	---	---
5	7.8	7.5	7.8	8.1	7.5	7.7	---	---	---	---	---	---
6	7.8	7.5	7.7	8.1	7.6	7.6	---	---	---	---	---	---
7	7.9	7.7	7.8	8.0	7.5	7.6	---	---	---	---	---	---
8	7.9	7.8	7.9	8.0	7.5	7.6	---	---	---	---	---	---
9	7.9	7.6	7.7	8.0	7.6	7.6	---	---	---	---	---	---
10	7.8	7.6	7.8	---	7.5	---	---	---	---	---	---	---
11	7.9	7.8	7.8	---	---	---	---	---	---	---	---	---
12	7.9	7.8	7.9	---	---	---	---	---	---	---	---	---
13	7.9	7.8	7.9	---	---	---	---	---	---	---	---	---
14	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
15	8.2	7.6	7.9	---	---	---	---	---	---	---	---	---
16	7.8	7.5	7.7	---	---	---	---	---	---	---	---	---
17	8.0	7.8	7.8	---	---	---	---	---	---	---	---	---
18	8.0	7.8	7.9	---	---	---	---	---	---	---	---	---
19	8.1	7.9	8.0	---	---	---	---	---	---	---	---	---
20	8.1	7.9	8.0	---	---	---	---	---	---	---	---	---
21	8.2	7.9	8.0	---	---	---	---	---	---	---	---	---
22	8.2	7.9	8.0	---	---	---	---	---	---	---	---	---
23	8.1	7.8	7.9	---	---	---	---	---	---	---	---	---
24	8.2	7.8	7.9	---	---	---	---	---	---	---	---	---
25	8.1	7.8	7.8	---	---	---	---	---	---	---	---	---
26	8.1	7.7	7.8	---	---	---	---	---	---	---	---	---
27	7.9	7.7	7.8	---	---	---	---	---	---	---	---	---
28	8.0	7.7	7.8	---	---	---	---	---	---	---	---	---
29	8.3	7.8	7.9	---	---	---	---	---	---	---	---	---
30	8.3	7.8	7.9	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	8.3	7.9	8.0	---	---	---	---	---	---	---	---	---
Min	7.8	7.5	7.7	---	---	---	---	---	---	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued



06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	21.6	19.2	20.2	16.3	13.2	14.5	16.3	13.7	15.1	8.5	5.1	6.9
2	21.5	18.2	19.6	16.9	14.2	15.4	16.7	14.1	15.2	7.4	4.8	5.9
3	21.3	17.8	19.3	15.9	13.5	14.7	17.9	15.5	16.4	9.1	6.7	7.7
4	19.9	18.1	19.0	15.6	12.9	14.1	16.1	13.6	15.1	9.2	6.8	7.9
5	18.1	15.1	16.7	15.1	14.2	14.7	14.2	11.9	13.1	9.9	7.8	8.7
6	15.1	14.0	14.6	15.3	13.6	14.3	13.9	12.1	13.0	9.7	7.4	8.4
7	16.2	12.7	14.2	15.1	12.6	13.7	14.5	13.3	13.9	10.0	7.3	8.6
8	16.9	13.3	14.9	15.6	12.6	14.0	13.9	12.6	13.1	10.7	8.7	9.9
9	17.6	14.5	15.7	17.9	14.3	15.9	13.0	9.7	12.0	9.8	8.4	9.0
10	17.5	14.1	15.7	19.2	17.0	17.9	9.7	7.4	8.3	10.6	6.3	9.0
11	18.5	14.6	16.4	18.1	9.9	13.5	9.2	6.2	7.7	10.6	4.7	6.8
12	17.8	15.8	16.9	11.1	9.8	10.3	10.2	7.7	8.8	10.8	7.1	8.8
13	18.9	16.2	17.3	12.5	10.2	11.4	11.1	8.5	9.7	7.1	5.3	5.8
14	19.0	17.7	18.2	14.2	11.7	12.9	11.9	9.7	10.8	7.2	5.5	6.2
15	19.5	17.0	18.1	14.6	13.0	13.7	13.5	8.2	9.5	7.9	4.7	6.1
16	20.6	18.0	19.0	14.5	11.9	13.0	10.9	10.0	10.6	8.2	4.8	6.3
17	19.5	17.5	18.7	14.6	11.9	13.0	12.2	10.2	10.9	10.4	7.4	8.6
18	17.5	14.6	16.0	15.2	12.3	13.5	12.3	10.0	11.1	10.9	8.3	9.3
19	15.0	13.6	14.4	16.5	14.1	15.0	11.3	8.0	10.9	11.7	8.9	10
20	17.6	14.0	15.5	16.3	13.7	14.8	12.9	4.5	6.2	10.1	7.8	9.0
21	19.5	15.9	17.6	15.9	12.9	14.3	7.0	4.9	5.5	7.8	5.9	6.6
22	22.0	19.2	20.5	16.7	14.5	15.3	9.2	5.9	8.0	7.5	4.8	6.1
23	23.1	21.3	21.9	14.6	10.3	11.9	9.9	8.0	8.7	8.9	5.1	6.8
24	23.7	21.2	22.2	10.9	8.8	10	8.4	6.9	7.6	7.7	5.0	6.4
25	22.1	16.0	19.5	13.0	10.1	11.4	6.9	4.6	6.0	9.4	5.9	7.4
26	16.0	13.3	14.5	11.9	9.8	11.0	5.6	2.8	4.3	11.4	8.2	9.5
27	14.2	11.9	12.9	10.7	8.1	9.4	8.2	5.2	6.6	12.0	9.9	11.0
28	15.0	11.8	13.2	11.0	8.4	9.6	8.8	7.8	8.2	15.4	11.3	13.7
29	15.4	12.9	13.9	12.9	10.1	11.4	8.0	5.9	7.1	15.8	8.4	12.2
30	15.0	12.6	13.8	14.9	12.3	13.4	9.1	6.3	7.6	8.4	6.8	7.3
31	15.6	12.7	14.1	---	---	---	9.3	8.0	8.5	6.8	5.3	6.0
Month	23.7	11.8	16.9	19.2	8.1	13.3	17.9	2.8	10.0	15.8	4.7	8.1

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

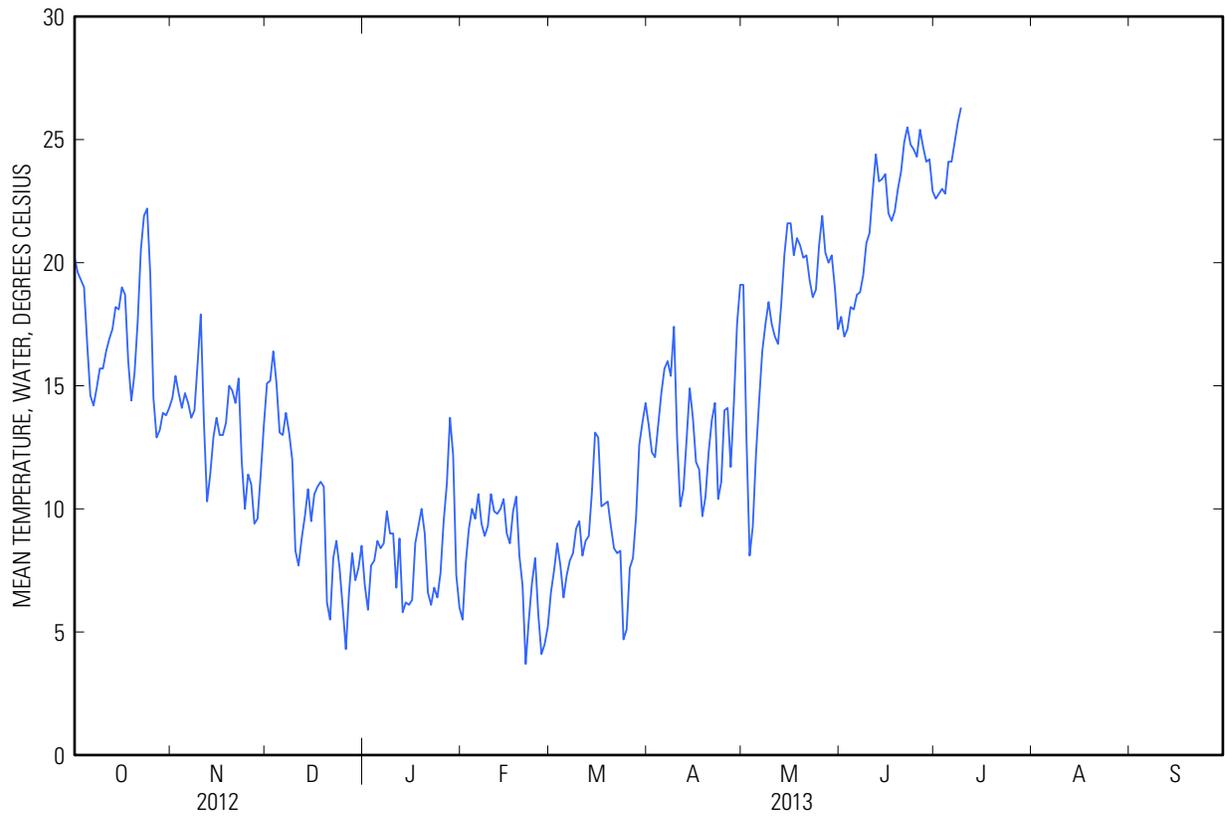
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.8	4.3	5.5	7.2	6.1	6.6	15.0	12.1	13.4	20.7	17.6	19.1
2	9.1	6.8	7.8	9.2	6.2	7.5	13.4	10.7	12.3	18.0	6.8	12.8
3	10.5	8.4	9.2	9.9	7.4	8.6	12.9	10.9	12.1	9.2	6.7	8.1
4	11.5	9.1	10.0	9.7	6.5	7.7	15.5	11.5	13.4	11.0	7.8	9.3
5	11.1	8.5	9.6	7.1	5.5	6.4	17.8	12.6	14.7	13.5	11.0	12.2
6	11.8	9.6	10.6	9.2	5.5	7.3	17.7	14.4	15.7	16.2	13.0	14.4
7	12.3	7.4	9.4	9.9	6.3	7.9	16.8	15.1	16.0	18.4	14.2	16.4
8	9.8	8.0	8.9	10.4	6.9	8.2	17.2	13.2	15.4	18.8	16.2	17.5
9	10.2	8.5	9.3	10.1	8.6	9.2	18.4	16.9	17.4	19.6	17.1	18.4
10	11.6	10.2	10.6	9.8	8.6	9.5	17.9	10.3	12.9	18.9	16.7	17.5
11	11.9	8.4	9.9	8.8	7.3	8.1	10.5	9.7	10.1	18.6	15.6	17.0
12	10.4	9.2	9.8	9.6	7.6	8.7	12.8	9.1	10.8	18.3	14.8	16.7
13	11.5	8.9	10.0	10.0	7.6	8.9	14.9	10.8	12.8	21.6	15.8	18.3
14	11.3	9.9	10.4	12.6	8.9	10.7	16.2	13.3	14.9	22.4	18.7	20.3
15	10.1	7.8	9.0	14.6	11.3	13.1	15.8	12.4	13.7	24.1	19.9	21.6
16	9.8	7.8	8.6	14.6	11.4	12.9	12.4	11.5	11.9	23.0	20.8	21.6
17	11.8	8.7	9.9	11.4	9.0	10.1	12.8	11.0	11.6	21.0	19.8	20.3
18	11.5	8.7	10.5	11.8	9.0	10.2	11.5	9.1	9.7	23.0	19.5	21.0
19	9.5	6.9	8.1	11.0	9.8	10.3	12.9	8.4	10.5	21.7	19.4	20.7
20	7.3	6.2	6.9	10.4	7.9	9.3	14.2	10.4	12.3	21.1	19.6	20.2
21	6.2	0.5	3.7	9.3	7.9	8.4	15.1	12.2	13.6	22.6	19.0	20.3
22	8.1	3.3	5.5	8.6	7.8	8.2	15.1	13.3	14.3	20.0	18.6	19.3
23	9.0	5.9	7.0	8.8	7.2	8.3	14.8	8.6	10.4	19.9	17.6	18.6
24	9.6	7.0	8.0	7.3	3.6	4.7	13.7	8.9	11.1	21.3	17.1	18.9
25	9.5	4.6	5.7	7.3	3.7	5.1	16.2	11.6	14.0	23.5	18.8	20.7
26	6.1	2.9	4.1	10.3	5.9	7.6	16.0	12.7	14.1	24.0	20.4	21.9
27	5.6	3.8	4.5	10.7	6.4	8.0	12.7	10.7	11.7	22.1	18.7	20.4
28	7.0	4.3	5.2	12.4	7.7	9.7	17.2	11.8	14.3	20.3	19.7	20.0
29	---	---	---	14.7	10.7	12.6	20.0	15.1	17.5	21.2	19.3	20.3
30	---	---	---	14.2	12.7	13.5	20.9	17.1	19.1	20.5	18.2	19.0
31	---	---	---	15.5	12.7	14.3	---	---	---	18.4	15.9	17.3
Month	12.3	0.5	8.1	15.5	3.6	9.1	20.9	8.4	13.4	24.1	6.7	18.1

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	18.5	17.2	17.8	25.1	21.0	22.6	---	---	---	---	---	---
2	17.6	16.6	17.0	25.5	20.9	22.8	---	---	---	---	---	---
3	19.1	15.5	17.3	26.0	21.3	23.0	---	---	---	---	---	---
4	18.9	17.7	18.2	24.7	21.2	22.8	---	---	---	---	---	---
5	18.4	17.8	18.1	26.9	22.1	24.1	---	---	---	---	---	---
6	19.8	17.7	18.7	25.8	22.9	24.1	---	---	---	---	---	---
7	19.9	17.6	18.8	27.1	23.5	24.9	---	---	---	---	---	---
8	21.2	17.8	19.5	28.4	24.2	25.7	---	---	---	---	---	---
9	22.1	19.6	20.8	28.8	24.8	26.3	---	---	---	---	---	---
10	22.8	19.6	21.2	---	25.4	---	---	---	---	---	---	---
11	24.7	21.6	22.9	---	---	---	---	---	---	---	---	---
12	26.3	22.8	24.4	---	---	---	---	---	---	---	---	---
13	25.1	22.1	23.3	---	---	---	---	---	---	---	---	---
14	25.6	21.9	23.4	---	---	---	---	---	---	---	---	---
15	25.8	22.2	23.6	---	---	---	---	---	---	---	---	---
16	22.6	21.4	22.0	---	---	---	---	---	---	---	---	---
17	22.7	20.8	21.7	---	---	---	---	---	---	---	---	---
18	23.9	20.7	22.1	---	---	---	---	---	---	---	---	---
19	25.1	21.4	23.0	---	---	---	---	---	---	---	---	---
20	25.4	22.1	23.7	---	---	---	---	---	---	---	---	---
21	26.8	23.7	24.9	---	---	---	---	---	---	---	---	---
22	27.5	24.1	25.5	---	---	---	---	---	---	---	---	---
23	25.4	24.1	24.8	---	---	---	---	---	---	---	---	---
24	26.3	23.3	24.6	---	---	---	---	---	---	---	---	---
25	25.3	23.8	24.3	---	---	---	---	---	---	---	---	---
26	28.0	23.7	25.4	---	---	---	---	---	---	---	---	---
27	25.5	23.5	24.7	---	---	---	---	---	---	---	---	---
28	25.8	22.8	24.1	---	---	---	---	---	---	---	---	---
29	26.3	22.9	24.2	---	---	---	---	---	---	---	---	---
30	24.8	21.6	22.9	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	28.0	15.5	22.1	---	---	---	---	---	---	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued



06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	10.4	7.4	8.4	9.6	6.3	7.2	12.9	7.6	9.0	12.7	8.7	10.1
2	10.2	7.4	8.4	9.6	5.9	7.0	14.7	7.5	9.1	12.9	9.8	10.8
3	10.1	7.3	8.4	10.4	5.8	7.4	13.0	7.1	8.7	13.5	9.2	10.6
4	10.9	7.7	8.7	10.2	5.5	7.1	12.4	7.1	8.6	13.1	9.0	10.3
5	10.6	8.1	8.8	7.4	5.7	6.4	14.0	7.9	9.4	14.2	9.1	10.3
6	11.6	8.5	9.4	10.3	5.8	7.3	12.4	8.0	9.3	13.8	9.1	10.2
7	11.1	8.7	9.4	11.0	7.2	8.2	12.3	7.6	8.8	13.3	9.1	10.3
8	10.6	8.4	9.2	10.7	6.8	7.9	13.2	7.7	9.1	12.2	8.1	9.9
9	10.8	8.1	8.9	10.8	5.9	7.4	12.3	7.7	9.2	12.6	9.2	10.5
10	10.4	8.2	8.9	10.6	5.7	6.9	13.2	8.7	10.2	10.9	8.6	9.7
11	11.2	7.8	9.1	10.0	5.6	8.3	12.3	9.4	10.2	11.4	8.9	10.5
12	10.1	7.6	8.5	10.1	9.4	9.7	12.4	9.1	10.0	10.9	8.7	9.6
13	8.3	7.2	7.7	9.9	9.2	9.5	12.6	8.9	10	12.8	10.0	11.1
14	8.1	7.2	7.6	9.6	8.8	9.2	12.0	8.3	9.3	12.7	9.7	10.9
15	8.5	7.0	7.5	9.8	8.4	8.9	10.8	8.6	9.9	12.9	10.0	11.1
16	8.6	6.5	7.4	9.8	8.5	8.9	10.1	8.4	9.0	13.1	10.6	11.5
17	7.7	6.3	7.0	10.6	8.5	9.1	11.6	8.5	9.6	13.0	9.8	10.9
18	8.7	6.3	7.3	10.9	8.3	8.9	11.2	8.7	9.5	13.4	9.6	10.8
19	8.9	7.4	7.9	10.6	7.8	8.7	10.6	8.7	9.2	14.6	9.4	10.6
20	9.0	6.9	7.6	10.8	7.6	8.7	11.4	8.2	10.5	15.6	9.5	10.9
21	8.6	6.0	7.0	11.6	7.9	8.9	11.3	10.4	10.8	15.2	10.1	11.5
22	8.1	5.3	6.2	12.9	7.8	8.9	11.2	9.6	10.2	15.0	10.4	11.8
23	7.3	4.7	5.8	13.4	8.0	9.6	11.4	9.2	9.9	13.9	10.4	11.5
24	7.6	4.7	5.7	14.7	9.1	10.5	12.1	9.6	10.4	14.3	10.3	11.6
25	7.1	4.8	5.7	14.2	8.6	10.1	12.7	9.8	10.8	14.4	10.3	11.5
26	8.8	6.0	7.4	14.3	8.5	10.1	13.3	10.9	11.5	14.3	9.8	11.3
27	9.8	7.3	8.0	13.8	9.2	10.4	13.3	9.7	10.9	12.6	9.4	10.3
28	9.5	7.0	7.7	15.2	9.0	11.3	11.4	9.0	9.7	12.8	8.3	9.9
29	9.7	6.5	7.7	13.8	8.4	10.0	13.5	9.4	10.5	10.5	7.2	9.1
30	9.7	6.6	7.5	13.8	8.2	9.6	14.5	9.6	10.8	11.2	10.5	10.9
31	9.6	6.4	7.6	---	---	---	11.4	8.9	9.6	11.9	10.7	11.3
Month	11.6	4.7	7.8	15.2	5.5	8.7	14.7	7.1	9.8	15.6	7.2	10.7

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

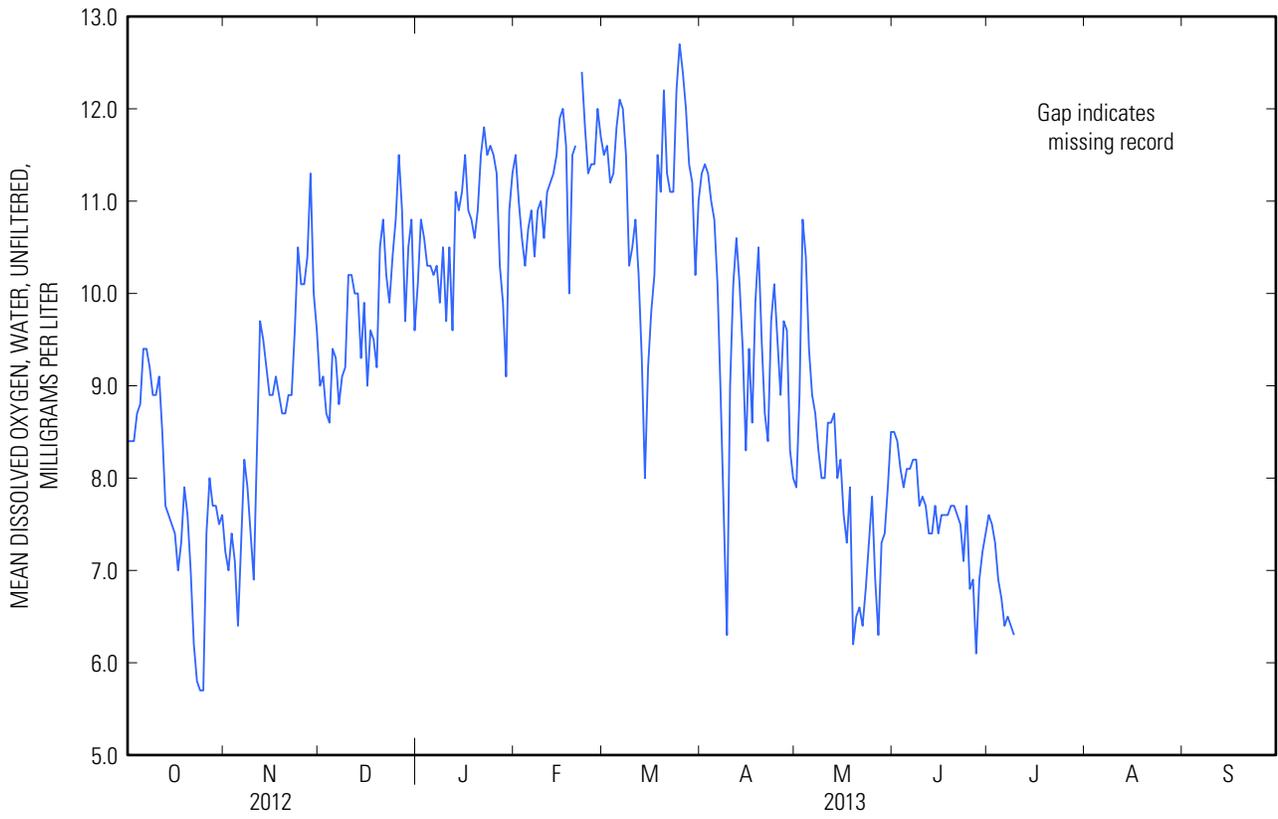
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	12.1	11.0	11.5	13.4	10.1	11.5	15.9	8.1	11.3	8.7	7.3	7.9
2	12.0	10.5	11.0	14.1	9.7	11.6	15.9	8.0	11.4	11.0	7.7	8.9
3	11.9	9.7	10.6	13.8	9.0	11.2	15.8	7.8	11.3	11.1	10.3	10.8
4	11.9	9.2	10.3	13.5	9.9	11.3	16.0	7.5	11.0	10.8	9.6	10.4
5	13.1	9.3	10.7	13.1	10.9	11.8	17.0	6.6	10.8	9.9	8.9	9.4
6	13.7	9.4	10.9	14.4	10.8	12.1	15.0	5.9	10.1	9.8	8.3	8.9
7	11.2	9.3	10.4	14.5	10.4	12.0	13.5	5.3	8.9	9.6	8.0	8.7
8	11.7	10.4	10.9	13.4	10.4	11.5	8.9	6.0	7.6	9.2	7.3	8.3
9	12.4	10.1	11.0	10.7	10.0	10.3	9.4	4.5	6.3	8.8	7.4	8.0
10	12.2	9.5	10.6	10.6	10.3	10.5	9.9	7.0	9.0	9.0	7.3	8.0
11	13.4	9.8	11.1	11.7	10.1	10.8	10.8	9.7	10.1	9.9	7.7	8.6
12	14.2	9.6	11.2	11.4	9.0	10.2	12.3	8.8	10.6	10.1	7.7	8.6
13	14.9	9.5	11.3	11.2	8.0	9.3	12.4	8.5	10.1	11.6	7.1	8.7
14	15.3	9.1	11.5	10.0	6.7	8.0	12.4	7.6	9.4	10.5	6.3	8.0
15	15.7	9.5	11.9	11.4	6.9	9.2	9.3	7.1	8.3	12.2	6.0	8.2
16	16.4	9.5	12.0	12.4	7.9	9.8	11.5	8.0	9.4	10.6	5.6	7.6
17	16.6	9.3	11.6	12.2	8.9	10.2	9.5	7.6	8.6	9.6	5.9	7.3
18	12.4	8.6	10.0	14.5	9.5	11.5	10.3	8.3	9.9	11.9	6.1	7.9
19	14.7	9.3	11.5	13.6	9.0	11.1	12.0	9.2	10.5	6.7	5.3	6.2
20	13.9	9.9	11.6	15.6	9.8	12.2	11.0	8.5	9.5	7.5	5.5	6.5
21	---	10.0	---	13.6	9.6	11.3	9.3	8.1	8.7	10.6	5.2	6.6
22	15.7	10.8	12.4	12.9	9.8	11.1	9.1	8.0	8.4	8.1	5.0	6.4
23	15.2	9.8	11.8	13.7	9.6	11.1	10.6	7.9	9.7	8.8	5.4	6.8
24	14.8	8.9	11.3	14.3	10.3	12.2	10.8	9.4	10.1	9.9	5.6	7.3
25	13.0	10.0	11.4	14.8	11.3	12.7	10.4	8.5	9.5	11.6	5.5	7.8
26	12.5	10.6	11.4	15.5	10.4	12.4	9.4	8.2	8.9	10.2	5.1	6.9
27	13.2	11.2	12.0	15.1	10.4	12.0	10.0	9.2	9.7	7.7	4.6	6.3
28	13.0	10.5	11.7	13.4	9.9	11.4	10.2	8.8	9.6	7.8	7.0	7.3
29	---	---	---	14.6	9.2	11.2	9.2	7.4	8.3	8.3	6.6	7.4
30	---	---	---	13.3	8.5	10.2	8.9	7.4	8.0	8.5	7.0	7.9
31	---	---	---	14.9	8.3	11.0	---	---	---	9.3	7.7	8.5
Month	---	8.6	---	15.6	6.7	11.1	17.0	4.5	9.5	12.2	4.6	7.9

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.7	8.1	8.5	10.1	6.1	7.6	---	---	---	---	---	---
2	8.9	7.8	8.4	10.1	6.0	7.5	---	---	---	---	---	---
3	8.7	6.3	8.1	9.6	5.9	7.3	---	---	---	---	---	---
4	8.6	6.3	7.9	8.3	5.5	6.9	---	---	---	---	---	---
5	8.4	7.6	8.1	9.3	5.0	6.7	---	---	---	---	---	---
6	8.5	7.8	8.1	9.0	4.6	6.4	---	---	---	---	---	---
7	8.6	7.8	8.2	9.0	4.8	6.5	---	---	---	---	---	---
8	8.7	7.7	8.2	9.2	4.5	6.4	---	---	---	---	---	---
9	8.0	7.3	7.7	8.7	4.9	6.3	---	---	---	---	---	---
10	8.4	7.2	7.8	---	4.7	---	---	---	---	---	---	---
11	8.4	7.1	7.7	---	---	---	---	---	---	---	---	---
12	8.4	6.5	7.4	---	---	---	---	---	---	---	---	---
13	8.5	6.6	7.4	---	---	---	---	---	---	---	---	---
14	9.1	6.8	7.7	---	---	---	---	---	---	---	---	---
15	8.6	6.5	7.4	---	---	---	---	---	---	---	---	---
16	8.3	7.1	7.6	---	---	---	---	---	---	---	---	---
17	8.4	7.0	7.6	---	---	---	---	---	---	---	---	---
18	8.5	7.0	7.6	---	---	---	---	---	---	---	---	---
19	8.9	6.9	7.7	---	---	---	---	---	---	---	---	---
20	9.0	6.8	7.7	---	---	---	---	---	---	---	---	---
21	9.5	6.4	7.6	---	---	---	---	---	---	---	---	---
22	9.8	6.2	7.5	---	---	---	---	---	---	---	---	---
23	9.2	5.9	7.1	---	---	---	---	---	---	---	---	---
24	10.1	6.2	7.7	---	---	---	---	---	---	---	---	---
25	9.1	5.6	6.8	---	---	---	---	---	---	---	---	---
26	9.2	5.5	6.9	---	---	---	---	---	---	---	---	---
27	7.6	4.5	6.1	---	---	---	---	---	---	---	---	---
28	8.6	5.4	6.9	---	---	---	---	---	---	---	---	---
29	9.7	5.6	7.2	---	---	---	---	---	---	---	---	---
30	10.1	5.6	7.4	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	10.1	4.5	7.6	---	---	---	---	---	---	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued



06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	3.1	1.9	2.5	2.9	2.2	2.4	1.6	0.8	1.1	9.5	6.2	7.5
2	3.2	2.3	2.7	2.8	2.2	2.4	1.7	0.8	1.1	7.3	3.5	4.9
3	3.7	2.6	3.0	3.1	2.2	2.5	2.3	1.0	1.5	4.7	3.0	3.8
4	3.8	2.1	2.7	2.7	2.1	2.4	2.3	1.2	1.6	5.3	3.4	4.1
5	3.4	1.4	2.3	2.6	2.2	2.4	2.1	1.2	1.5	5.8	4.0	4.8
6	2.4	1.2	1.6	3.6	2.2	2.7	2.7	1.1	1.7	6.5	3.8	5.0
7	2.2	1.2	1.6	3.4	2.7	3.0	2.3	1.3	1.7	5.8	4.0	5.0
8	2.5	1.5	1.9	3.7	3.0	3.2	2.7	1.2	1.7	8.7	4.6	5.9
9	2.6	1.3	1.9	3.8	3.0	3.3	3.9	1.2	1.8	14	6.1	8.1
10	2.4	1.4	1.8	4.4	3.0	3.4	4.4	1.5	2.2	240	6.3	36
11	2.3	1.5	1.8	750	3.3	130	3.4	1.4	1.9	230	29	68
12	3.3	1.5	2.1	30	5.5	14	4.4	1.5	2.4	29	8.3	18
13	200	2.6	54	5.6	2.2	3.4	4.3	2.0	2.4	14	5.0	8.1
14	78	7.7	26	3.0	1.6	2.0	14	2.0	2.7	6.0	3.4	4.5
15	8.0	3.5	4.4	2.4	1.2	1.6	87	14	34	4.4	2.1	3.2
16	5.3	1.4	2.9	2.7	1.3	1.7	15	4.0	7.4	4.0	2.3	3.1
17	5.4	0.9	2.1	2.4	1.2	1.7	4.5	2.4	3.2	5.6	3.1	4.0
18	4.0	1.7	2.4	2.8	1.5	2.0	4.8	1.0	2.3	6.7	3.5	4.4
19	2.1	1.3	1.6	2.9	1.6	2.2	130	1.4	4.6	6.2	3.1	4.0
20	2.4	1.3	1.7	3.3	2.0	2.5	180	18	56	5.7	3.3	4.3
21	2.7	1.5	1.9	3.2	2.0	2.6	19	9.0	14	4.9	2.2	3.5
22	2.8	1.2	1.6	3.8	2.1	2.8	9.0	3.8	4.8	4.0	2.1	2.8
23	2.0	1.3	1.6	7.7	1.4	2.7	4.9	2.7	3.3	5.9	2.2	3.0
24	2.1	1.3	1.6	2.2	1.1	1.5	4.1	2.1	2.7	5.4	2.6	3.5
25	2.7	1.5	1.9	2.1	1.1	1.5	3.9	1.7	2.2	4.9	2.9	3.7
26	2.8	1.9	2.2	2.7	1.3	1.6	4.3	1.6	2.4	5.6	2.8	4.1
27	2.5	1.7	2.0	3.3	1.1	1.8	4.3	2.1	2.6	8.3	3.6	5.3
28	2.7	1.9	2.2	2.6	1.1	1.5	6.7	2.7	4.0	7.5	2.6	3.9
29	2.5	2.0	2.2	2.1	1.0	1.5	9.2	5.3	7.2	700	3.4	200
30	2.5	2.0	2.3	1.9	1.0	1.3	12	2.9	7.0	76	13	34
31	3.0	1.9	2.4	---	---	---	13	3.3	6.4	14	5.5	8.9
Month	200	0.9	4.6	750	1.0	6.9	180	0.8	6.1	700	2.1	15

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	6.1	3.8	4.8	6.6	4.3	5.5	5.0	3.4	4.2	8.6	4.3	6.2
2	4.3	3.1	3.7	6.2	3.6	4.7	5.1	3.4	4.0	77	5.7	29
3	4.7	2.8	3.5	14	3.9	6.4	4.7	3.2	3.9	40	11	18
4	4.3	3.1	3.6	78	7.9	24	4.7	3.0	3.8	21	9.4	15
5	4.4	2.1	3.1	42	15	23	4.7	2.7	3.6	9.5	4.9	6.3
6	12	2.6	5.0	22	6.7	12	4.8	3.2	3.6	24	4.4	8.1
7	670	3.8	150	32	7.3	16	320	2.6	26	15	3.5	6.4
8	55	11	25	74	15	32	800	12	160	12	5.6	7.2
9	11	5.0	7.7	670	20	120	64	5.0	10	19	5.8	11
10	6.7	4.4	5.1	580	18	140	430	26	140	9.7	6.1	8.0
11	4.9	2.9	3.9	18	7.1	11	55	11	28	7.9	4.0	5.9
12	4.4	3.0	3.6	7.2	4.7	6.0	11	4.4	6.4	6.9	4.1	5.7
13	3.7	2.5	3.1	5.4	4.0	4.7	8.7	4.1	5.3	7.4	2.8	5.0
14	3.7	2.7	3.1	5.9	2.7	4.0	18	5.5	8.2	6.3	3.0	4.4
15	4.5	2.7	3.4	4.1	2.6	3.4	32	11	16	4.6	2.2	3.3
16	4.2	2.7	3.2	5.0	2.9	3.7	11	3.8	6.3	5.3	2.5	3.4
17	4.1	2.8	3.3	10	2.5	3.5	360	3.5	59	---	---	---
18	4.6	3.1	3.7	6.5	2.6	3.9	220	31	97	---	2.3	---
19	5.7	2.5	3.8	4.0	2.3	2.9	31	9.2	16	540	2.6	110
20	4.2	2.1	2.9	4.6	2.4	3.3	19	7.2	9.6	150	4.4	23
21	4.4	2.2	3.1	3.6	2.1	2.8	9.0	5.4	6.9	6.0	3.2	4.4
22	6.3	3.0	4.1	3.0	2.1	2.5	10	4.7	6.1	6.2	3.6	4.6
23	5.6	3.9	4.5	15	2.3	4.6	76	9.3	29	5.6	3.7	4.5
24	12	4.0	6.1	32	11	15	17	6.3	10	6.3	4.1	4.8
25	12	5.9	8.6	27	9.7	13	12	3.4	5.8	8.9	4.0	5.2
26	17	10	14	21	6.3	8.8	31	7.5	16	9.8	5.7	7.6
27	18	12	15	61	7.9	20	150	17	50	1,130	8.3	240
28	18	6.1	9.8	46	15	24	17	4.9	9.0	76	---	---
29	---	---	---	20	7.6	12	27	5.5	10	---	---	---
30	---	---	---	18	5.2	7.7	18	4.8	7.9	---	---	---
31	---	---	---	6.8	3.6	4.8	---	---	---	950	35	230
Month	670	2.1	11	670	2.1	18	800	2.6	25	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	35	8.8	17	4.3	2.9	3.4	---	---	---	---	---	---
2	8.8	5.1	7.1	4.4	2.7	3.2	---	---	---	---	---	---
3	6.3	4.4	5.3	78	2.6	13	---	---	---	---	---	---
4	22	4.6	10	84	14	23	---	---	---	---	---	---
5	600	6.9	100	23	9.2	16	---	---	---	---	---	---
6	62	9.2	22	---	---	---	---	---	---	---	---	---
7	12	6.6	9.2	---	---	---	---	---	---	---	---	---
8	9.1	4.2	6.4	---	---	---	---	---	---	---	---	---
9	470	7.4	94	---	---	---	---	---	---	---	---	---
10	15	5.1	10	---	---	---	---	---	---	---	---	---
11	8.9	4.7	6.9	---	---	---	---	---	---	---	---	---
12	8.5	4.4	5.8	---	---	---	---	---	---	---	---	---
13	8.9	4.5	6.3	---	---	---	---	---	---	---	---	---
14	9.5	5.9	7.8	---	---	---	---	---	---	---	---	---
15	1,050	7.3	150	---	---	---	---	---	---	---	---	---
16	160	10	39	---	---	---	---	---	---	---	---	---
17	32	6.5	13	---	---	---	---	---	---	---	---	---
18	30	4.1	9.5	---	---	---	---	---	---	---	---	---
19	6.3	3.9	5.0	---	---	---	---	---	---	---	---	---
20	6.1	3.6	4.9	---	---	---	---	---	---	---	---	---
21	6.7	3.7	5.3	---	---	---	---	---	---	---	---	---
22	6.4	2.9	4.6	---	---	---	---	---	---	---	---	---
23	4.6	2.9	3.6	---	---	---	---	---	---	---	---	---
24	4.4	2.8	3.4	---	---	---	---	---	---	---	---	---
25	6.3	2.7	4.1	---	---	---	---	---	---	---	---	---
26	5.4	2.8	3.4	---	---	---	---	---	---	---	---	---
27	10	2.6	3.4	---	---	---	---	---	---	---	---	---
28	12	3.0	4.7	---	---	---	---	---	---	---	---	---
29	5.2	2.6	3.3	---	---	---	---	---	---	---	---	---
30	4.1	2.7	3.4	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	1,050	2.6	19	---	---	---	---	---	---	---	---	---

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

