

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS

Middle Arkansas Basin
North Fork Ninnescah Subbasin

LOCATION.--Lat 37°51'45", long 98°00'49" referenced to North American Datum of 1927, in NE ¼ SE ¼ NE ¼ sec.19, T.25 S., R.6 W., Reno County, KS, Hydrologic Unit 11030014, on right bank at upstream side of county highway bridge, 10 mi south of Hutchinson, 18.1 mi upstream from Cheney Dam, and at mile 33.8.

DRAINAGE AREA.--713 mi² of which 163 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,456.05 ft above NGVD of 1929. Prior to Feb. 12, 1996, at site 4 mi downstream, datum 1,431.75 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 14	0900	*342	*7.97

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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	52	55	92	e80	e105	113	120	71	64	13	5.4	6.4
2	50	56	94	e86	e100	116	114	66	58	12	3.8	4.7
3	48	57	94	e114	e95	114	113	65	49	14	3.0	4.2
4	46	55	95	e126	e110	115	109	62	45	15	7.0	4.0
5	46	49	91	e104	e135	113	99	59	42	15	6.6	4.4
6	45	56	92	e111	e150	108	96	59	37	13	12	6.1
7	46	59	94	95	e134	109	94	57	32	12	19	7.5
8	46	62	97	e90	e104	121	94	55	28	12	19	8.5
9	45	64	98	e85	e87	136	96	52	27	12	16	8.4
10	46	66	100	e80	e74	135	93	48	26	11	22	9.2
11	54	67	102	e75	e88	128	88	48	27	9.6	21	11
12	56	171	e84	e70	e124	121	82	50	35	8.6	20	12
13	56	316	e75	e74	e149	114	77	48	33	8.0	17	9.3
14	55	314	e82	e74	e185	112	75	49	28	8.4	15	8.3
15	53	211	e86	e78	e230	116	77	49	26	7.1	14	8.7
16	50	179	e91	e76	193	118	80	50	26	6.0	14	11
17	48	157	98	e75	178	121	84	48	48	5.8	15	18
18	48	136	99	e74	155	120	85	48	43	5.4	14	23
19	50	122	102	e68	142	115	86	52	43	4.8	12	21
20	52	108	104	e56	151	124	84	66	32	4.5	12	19
21	51	99	105	e66	132	134	83	98	29	4.0	13	18
22	52	97	100	e70	116	134	82	100	29	4.0	15	16
23	58	91	e95	e76	115	125	81	90	27	3.4	14	16
24	57	90	103	e78	115	118	78	73	26	4.1	11	16
25	60	88	101	e84	e125	114	82	79	22	4.8	10	15
26	59	92	e94	e112	e126	114	87	69	21	4.9	9.2	15
27	57	95	e92	e110	122	115	92	64	19	4.2	9.4	15
28	56	96	e104	108	120	119	90	64	18	3.0	10	15
29	55	94	108	109	---	123	88	63	18	3.0	9.6	14
30	54	93	108	113	---	123	80	60	16	3.8	8.3	12
31	56	---	e106	e122	---	122	---	70	---	5.2	7.8	---
Mean	51.8	110	96.3	88.4	131	120	89.6	62.3	32.5	7.79	12.4	11.9
Max	60	316	108	126	230	136	120	100	64	15	22	23
Min	45	49	75	56	74	108	75	48	16	3.0	3.0	4.0
Ac-ft	3,190	6,540	5,920	5,430	7,260	7,360	5,330	3,830	1,930	479	764	708

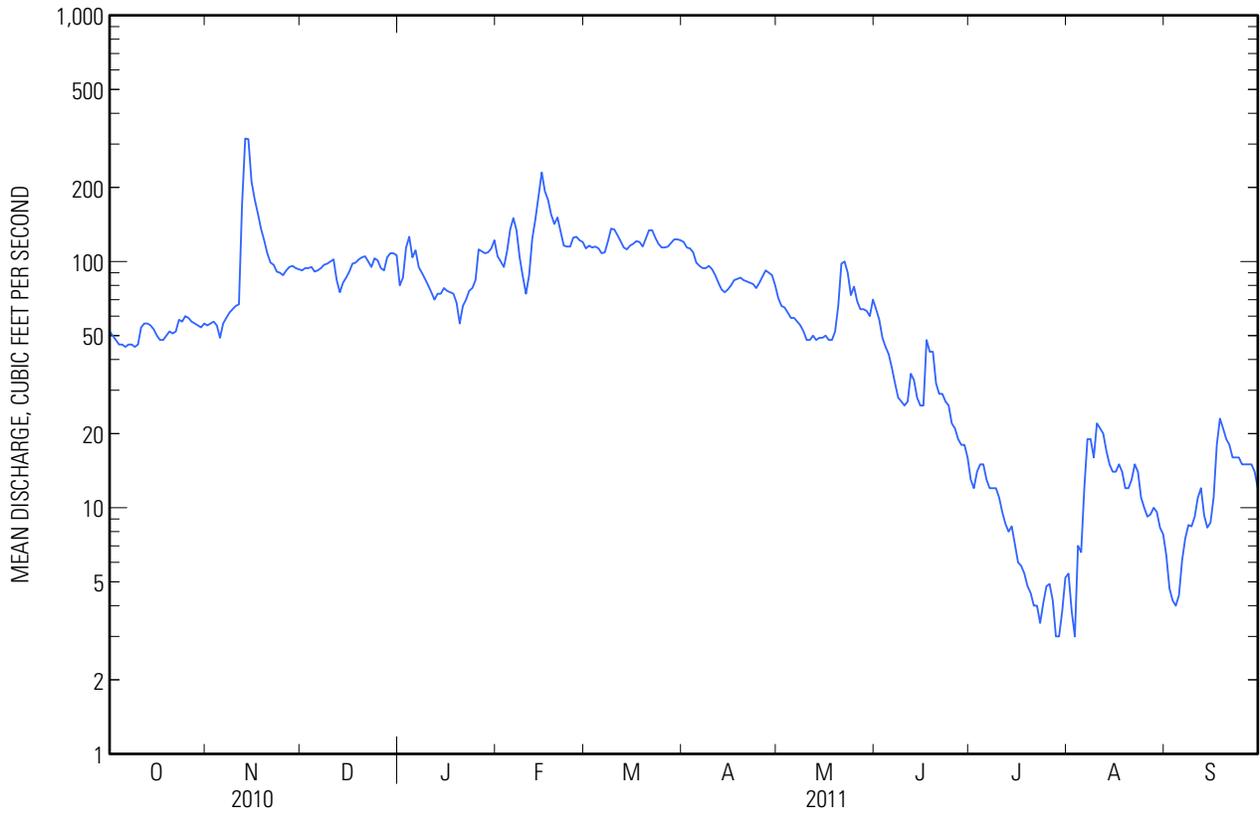
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	153	96.9	98.3	98.6	130	203	209	241	201	142	66.3	92.5
Max	1,632	305	252	202	535	866	1,097	1,805	820	1,392	351	968
(WY)	(1980)	(1982)	(1974)	(1980)	(1993)	(1987)	(1974)	(1995)	(1995)	(1987)	(1977)	(1977)
Min	15.0	36.0	39.5	50.3	54.7	44.7	48.3	32.5	16.5	7.79	8.08	6.80
(WY)	(1992)	(1967)	(1967)	(1977)	(1967)	(1967)	(1972)	(1967)	(1966)	(2011)	(1968)	(1971)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1966 - 2011	
Annual mean	207		67.3		144	
Highest annual mean					388	1987
Lowest annual mean					54.3	1968
Highest daily mean	6,820	Jul 6	316	Nov 13	39,700	Oct 30, 1979
Lowest daily mean	41	Sep 21	3.0	Jul 28	0.00	Jul 14, 1966
Annual seven-day minimum	44	Sep 17	3.9	Jul 28	0.56	Jul 14, 1966
Maximum peak flow			342	Nov 14	87,000	Oct 30, 1979
Maximum peak stage			7.97	Nov 14	14.26	Jul 6, 2010
Instantaneous low flow			1.7	Jul 28	0.00	Jul 14, 1966
Annual runoff (ac-ft)	149,600		48,750		104,600	
10 percent exceeds	211		121		216	
50 percent exceeds	101		64		79	
90 percent exceeds	54		8.6		25	



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1998 to current year.

pH: November 1998 to current year.

WATER TEMPERATURE: November 1998 to current year.

DISSOLVED OXYGEN: November 1998 to March 2008 (discontinued).

DISSOLVED OXYGEN (Lumin): March 2008 to current year.

TURBIDITY (YSI 6026 sensor): November 1998 to December 2010 (discontinued).

TURBIDITY (YSI 6136 sensor): October 2009 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records fair. 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 early measurements were made using Yellow Springs Instrument (YSI) 6026 sensor. As of 2009, turbidity is measured using an YSI 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,760 microsiemens/cm, Jan. 15, 2007; minimum, 103 microsiemens/cm, July 5, 2010.

pH: Maximum, 9.4 standard units, July 31, 2011; minimum, 7.0 standard units, June 18, 2004.

WATER TEMPERATURE: Maximum, 39.8°C, July 20, 2006; minimum, -0.2°C, Jan. 1, 2002.

DISSOLVED OXYGEN (Lumin): Maximum, 16.5 mg/L, May 23, 2009; minimum, 4.1 mg/L, Aug. 7, 2011.

TURBIDITY (YSI 6026 sensor): Maximum, 1,700 FNU, July 3, 2005; minimum, 0.3 FNU, Oct. 9, 2006 (discontinued).

TURBIDITY (YSI 6136 sensor): Maximum, 1,160 FNU, Aug. 24, 2010; minimum, 1.8 FNU, Jan. 8, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,440 microsiemens/cm, Jan. 12; minimum, 620 microsiemens/cm, Aug. 3.

pH: Maximum, 9.5 standard units, July 31; minimum, 7.8 standard units, Feb. 5.

WATER TEMPERATURE: Maximum, 39.4°C, Aug. 7; minimum, -0.1°C, Nov. 26

DISSOLVED OXYGEN (Lumin): Maximum, 14.0 mg/L, Dec. 25; minimum, 4.1 mg/L, Aug. 7.

TURBIDITY (YSI 6026 sensor): Maximum, 300 FNU, Nov. 13; minimum, 3.8 FNU, Oct. 10 (discontinued).

TURBIDITY (YSI 6136 sensor): Maximum, 170 FNU, Nov. 13; minimum, 2.0 FNU, Sept. 16.

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	1,230	1,210	1,220	1,200	1,190	1,190	1,260	1,240	1,250	1,370	1,230	1,300
2	1,220	1,200	1,210	1,190	1,170	1,180	1,250	1,230	1,240	1,370	1,220	1,290
3	1,210	1,200	1,200	1,200	1,180	1,190	1,240	1,200	1,220	1,320	1,240	1,280
4	1,200	1,190	1,200	1,210	1,190	1,200	1,230	1,220	1,230	1,320	1,180	1,260
5	1,200	1,180	1,190	1,200	1,140	1,180	1,240	1,230	1,230	1,220	1,180	1,200
6	1,200	1,190	1,190	1,190	1,140	1,160	1,250	1,190	1,230	1,200	1,030	1,130
7	1,200	1,160	1,180	1,200	1,190	1,190	1,240	1,220	1,230	1,200	1,160	1,190
8	1,180	1,170	1,180	1,210	1,180	1,190	1,230	1,210	1,220	1,220	1,200	1,210
9	1,200	1,180	1,190	1,200	1,180	1,190	1,220	1,200	1,210	1,240	1,170	1,210
10	1,190	1,110	1,160	1,200	1,190	1,200	1,210	1,200	1,210	1,240	1,110	1,200
11	1,120	1,070	1,100	1,210	1,150	1,200	1,260	1,210	1,220	---	1,160	---
12	1,130	1,090	1,110	1,150	716	818	1,350	1,190	1,280	1,440	1,240	1,360
13	1,180	1,130	1,160	1,150	792	950	1,370	1,200	1,290	1,430	1,360	1,400
14	1,200	1,180	1,190	1,340	1,150	1,300	1,300	1,230	1,260	1,370	1,280	1,320
15	1,200	1,200	1,200	1,310	1,230	1,280	1,260	1,200	---	1,280	1,200	1,230
16	1,200	1,180	1,180	1,230	1,200	1,220	1,240	1,190	1,220	1,210	1,160	1,190
17	1,190	1,160	1,180	1,230	1,200	1,210	1,250	1,230	1,240	1,180	1,150	1,160
18	1,170	1,170	1,170	1,220	1,200	1,210	1,240	1,230	1,240	1,170	1,150	1,160
19	1,170	1,160	1,160	1,240	1,210	1,220	1,250	1,220	1,230	1,320	1,160	1,230
20	1,160	1,150	1,160	1,240	1,240	1,240	1,230	1,210	1,220	1,410	1,250	1,320
21	---	---	---	1,240	1,230	1,240	1,220	1,210	1,220	1,380	1,240	1,300
22	---	---	---	1,260	1,240	1,260	1,230	1,210	1,220	1,300	1,220	1,270
23	---	---	---	1,270	1,250	1,260	1,250	---	---	1,270	1,220	1,240
24	---	---	---	1,260	1,230	1,250	1,230	1,200	1,210	1,330	1,210	1,270
25	---	---	---	1,270	1,250	1,260	1,250	1,200	1,210	1,300	1,190	1,240
26	---	---	---	1,280	1,250	1,260	1,230	1,180	1,210	1,250	1,190	1,220
27	1,210	1,180	1,190	1,270	1,240	1,260	1,280	1,150	1,220	1,260	1,180	1,220
28	1,220	1,210	1,210	1,260	1,230	1,250	1,240	1,150	1,210	1,220	1,180	1,200
29	1,210	1,200	1,210	1,240	1,230	1,240	1,250	1,190	1,210	1,190	1,140	1,160
30	1,210	1,200	1,200	1,260	1,240	1,250	1,200	1,190	1,200	1,150	1,120	1,130
31	1,200	1,190	1,200	---	---	---	1,260	1,200	1,220	1,200	1,070	1,130
Month	---	---	---	1,340	716	1,200	1,370	---	---	---	1,030	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

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

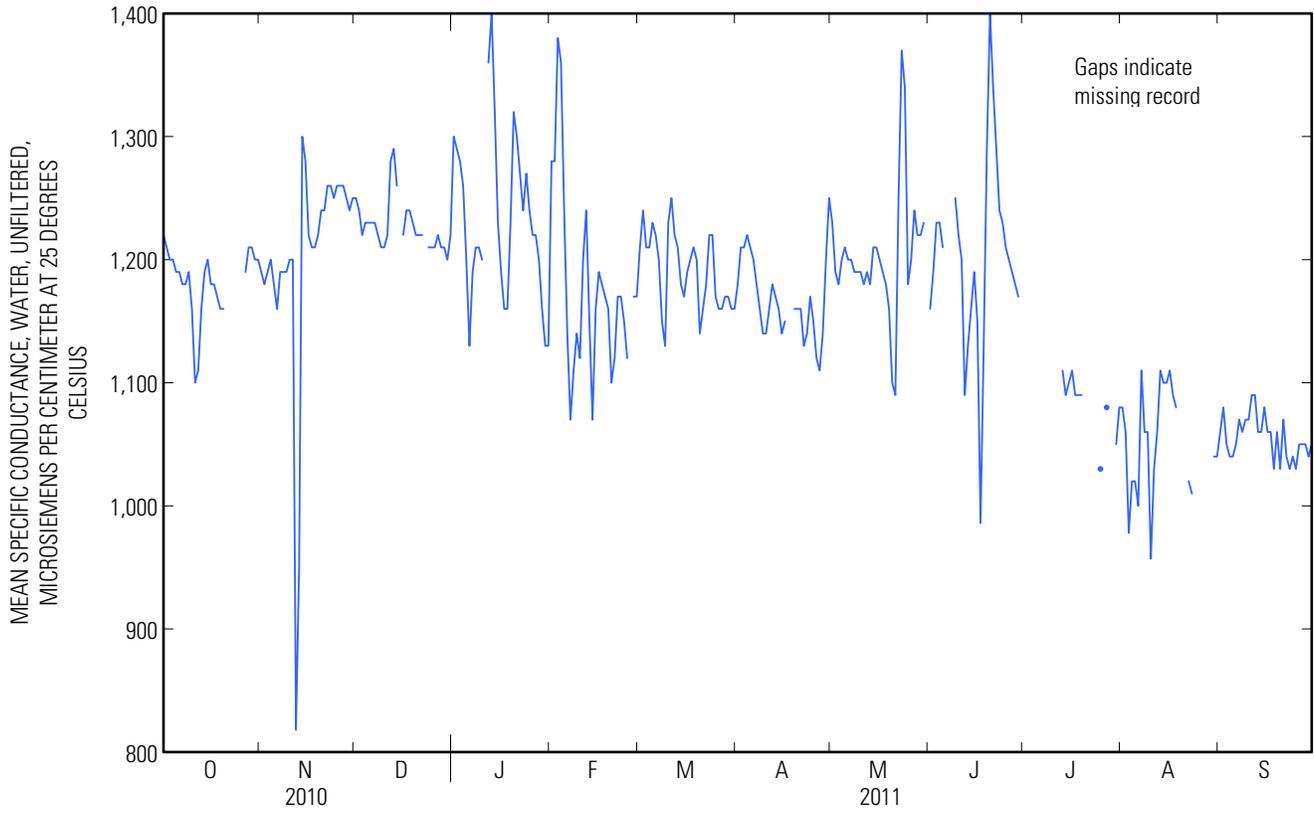
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	1,310	1,200	1,280	1,220	1,200	1,210	1,200	1,160	1,180	1,260	1,220	1,230
2	1,420	1,220	1,280	1,250	1,210	1,240	1,220	1,200	1,210	1,220	1,180	1,190
3	1,410	1,360	1,380	1,230	1,200	1,210	1,220	1,200	1,210	1,200	1,170	1,180
4	1,400	1,280	1,360	1,220	1,200	1,210	1,240	1,210	1,220	1,220	1,180	1,200
5	1,280	1,180	1,240	1,230	1,220	1,230	1,230	1,200	1,210	1,220	1,200	1,210
6	1,180	1,100	1,140	1,230	1,210	1,220	1,210	1,190	1,200	1,220	1,190	1,200
7	1,100	1,050	1,070	1,210	1,190	1,200	1,200	1,160	1,180	1,220	1,190	1,200
8	1,160	1,050	1,110	1,190	1,130	1,150	1,170	1,150	1,160	1,210	1,170	1,190
9	1,170	1,080	1,140	1,170	1,120	1,130	1,150	1,120	1,140	1,210	1,170	1,190
10	1,170	1,080	1,120	1,260	1,170	1,230	1,150	1,120	1,140	1,200	1,170	1,190
11	1,260	1,130	1,200	1,260	1,230	1,250	1,180	1,140	1,160	1,200	1,160	1,180
12	1,280	1,210	1,240	1,230	1,220	1,220	1,180	1,170	1,180	1,220	1,180	1,190
13	1,210	1,060	1,150	1,220	1,190	1,210	1,180	1,160	1,170	1,200	1,170	1,180
14	1,090	1,060	1,070	1,200	1,170	1,180	1,180	1,150	1,160	1,220	1,200	1,210
15	1,210	1,090	1,160	1,180	1,160	1,170	1,170	1,100	1,140	1,210	1,200	1,210
16	1,220	1,170	1,190	1,210	1,170	1,190	1,160	1,140	1,150	1,210	1,190	1,200
17	1,190	1,170	1,180	1,200	1,190	1,200	---	1,140	---	1,210	1,180	1,190
18	1,180	1,160	1,170	1,210	1,200	1,210	1,180	---	---	1,190	1,160	1,180
19	1,180	1,140	1,160	1,210	1,160	1,200	1,170	1,160	1,160	1,170	1,150	1,160
20	1,140	1,030	1,100	1,160	1,120	1,140	1,170	1,150	1,160	1,160	1,050	1,100
21	1,160	1,070	1,120	1,190	1,120	1,160	1,160	1,160	1,160	1,170	1,060	1,090
22	1,180	1,160	1,170	1,200	1,150	1,180	1,160	1,100	1,130	1,340	1,170	1,250
23	1,180	1,160	1,170	1,230	1,200	1,220	1,160	1,110	1,140	1,400	1,340	1,370
24	1,170	1,120	1,150	1,230	1,200	1,220	1,180	1,160	1,170	1,410	1,210	1,340
25	1,150	1,100	1,120	1,200	1,130	1,170	1,180	1,140	1,150	1,240	1,160	1,180
26	1,190	---	---	1,160	1,150	1,160	1,140	1,090	1,120	1,220	1,190	1,200
27	1,190	1,160	1,170	1,160	1,160	1,160	1,140	1,090	1,110	1,260	1,220	1,240
28	1,200	1,150	1,170	1,180	1,160	1,170	1,160	1,100	1,140	1,260	1,210	1,220
29	---	---	---	1,180	1,170	1,170	1,240	1,160	1,200	1,220	1,200	1,220
30	---	---	---	1,170	1,150	1,160	1,280	1,240	1,250	1,260	1,200	1,230
31	---	---	---	1,160	1,150	1,160	---	---	---	1,260	1,110	---
Month	1,420	---	---	1,260	1,120	1,190	---	---	---	1,410	1,050	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	1,180	1,140	1,160	1,210	---	---	1,100	1,070	1,080	1,090	1,050	1,060
2	1,220	1,180	1,190	---	---	---	1,080	978	1,060	1,100	1,040	1,080
3	1,250	1,210	1,230	1,150	---	---	1,070	620	978	1,080	1,010	1,050
4	1,240	1,200	1,230	1,140	---	---	1,110	930	1,020	1,050	1,020	1,040
5	1,230	1,180	1,210	1,120	---	---	1,050	983	1,020	1,060	1,010	1,040
6	1,230	---	---	---	---	---	1,070	919	1,000	1,090	1,020	1,050
7	---	---	---	---	---	---	1,250	961	1,110	1,100	1,040	1,070
8	1,280	1,180	---	---	---	---	1,110	977	1,060	1,090	1,030	1,060
9	1,280	1,230	1,250	---	---	---	1,080	1,050	1,060	1,090	1,040	1,070
10	1,260	1,200	1,220	---	---	---	1,060	865	957	1,110	1,020	1,070
11	1,230	1,080	1,200	---	---	---	1,060	1,020	1,030	1,120	1,050	1,090
12	1,170	959	1,090	---	---	---	1,100	1,020	1,060	1,120	1,040	1,090
13	1,150	1,110	1,130	1,120	1,090	1,110	1,130	1,080	1,110	1,080	1,010	1,060
14	1,190	1,120	1,160	1,110	1,060	1,090	1,120	1,080	1,100	1,070	1,040	1,060
15	1,220	1,180	1,190	1,110	1,090	1,100	1,110	1,090	1,100	1,090	1,050	1,080
16	1,200	920	1,150	1,130	1,100	1,110	1,130	1,080	1,110	1,090	1,030	1,060
17	1,050	920	986	1,130	1,060	1,090	1,110	1,080	1,090	1,090	1,020	1,060
18	1,210	1,040	1,130	1,100	1,070	1,090	1,090	1,050	1,080	1,090	983	1,030
19	1,370	1,210	1,290	1,110	1,070	1,090	1,100	---	---	1,070	1,040	1,060
20	1,440	1,350	1,400	1,100	---	---	---	---	---	1,060	993	1,030
21	1,360	1,330	1,340	---	---	---	---	964	---	1,090	1,050	1,070
22	1,330	1,260	1,290	1,090	---	---	1,040	964	1,020	1,070	1,000	1,040
23	1,290	1,190	1,240	1,070	---	---	1,050	974	1,010	1,050	1,000	1,030
24	1,250	1,200	1,230	1,070	---	---	1,070	989	---	1,050	1,020	1,040
25	1,220	1,200	1,210	1,090	991	1,030	1,050	---	---	1,050	1,010	1,030
26	1,220	1,170	1,200	1,060	1,010	---	---	---	---	1,060	1,030	1,050
27	1,220	1,170	1,190	1,120	1,040	1,080	---	---	---	1,060	1,020	1,050
28	1,200	1,160	1,180	1,120	---	---	1,040	---	---	1,060	1,020	1,050
29	1,200	1,150	1,170	1,080	1,000	---	1,050	---	---	1,050	1,020	1,040
30	1,200	1,170	---	1,070	1,040	1,050	1,050	1,020	1,040	1,070	1,020	1,050
31	---	---	---	1,140	1,060	1,080	1,050	1,020	1,040	---	---	---
Month	---	---	---	---	---	---	---	---	---	1,120	983	1,060

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	8.5	8.5	8.5	8.4	8.4	8.3	8.3	8.3	8.5	8.4	8.4
2	8.6	8.4	8.5	8.5	8.4	8.4	8.5	8.3	8.3	8.4	8.3	8.4
3	8.6	8.4	8.5	8.5	8.3	8.4	8.5	8.5	8.5	8.4	8.4	8.4
4	8.5	8.4	8.5	8.5	8.4	8.4	8.6	8.5	8.6	8.4	8.3	8.4
5	8.5	8.4	8.5	8.5	8.3	8.4	8.6	8.6	8.6	8.4	8.3	8.4
6	8.5	8.4	8.4	8.5	8.4	8.4	8.6	8.5	8.6	8.5	8.4	8.4
7	8.5	8.3	8.4	8.5	8.4	8.4	8.6	8.6	8.6	8.5	8.4	8.5
8	8.5	8.3	8.4	8.5	8.4	8.4	8.6	8.5	8.6	8.5	8.5	8.5
9	8.5	8.4	8.5	8.6	8.3	8.4	8.6	8.5	8.6	8.5	8.5	8.5
10	8.5	8.3	8.4	8.5	8.4	8.4	8.6	8.5	8.6	8.5	8.4	8.4
11	8.6	8.3	8.5	8.5	8.4	8.4	8.6	8.6	8.6	8.4	8.2	8.3
12	8.5	8.4	8.4	8.4	7.9	8.0	8.6	8.5	8.5	8.3	8.2	8.2
13	8.6	8.4	8.5	8.0	7.9	8.0	8.5	8.5	8.5	8.2	8.2	8.2
14	8.6	8.3	8.4	8.2	7.9	8.0	8.5	8.5	8.5	8.2	8.2	8.2
15	8.6	8.3	8.4	8.3	8.2	8.2	8.6	8.5	8.5	8.2	8.2	8.2
16	8.6	8.4	8.5	8.3	8.3	8.3	8.6	8.5	8.6	8.3	8.2	8.2
17	8.6	8.3	8.5	8.3	8.3	8.3	8.6	8.6	8.6	8.3	8.3	8.3
18	8.6	8.4	8.5	8.3	8.3	8.3	8.6	8.6	8.6	8.4	8.3	8.4
19	8.6	8.4	8.5	8.3	8.3	8.3	8.6	8.6	8.6	8.4	8.4	8.4
20	8.6	8.4	8.5	8.3	8.3	8.3	8.6	8.6	8.6	8.4	8.4	8.4
21	---	---	---	8.4	8.3	8.3	8.6	8.6	8.6	8.4	8.4	8.4
22	---	---	---	8.4	8.4	8.4	8.6	8.6	8.6	8.4	8.4	8.4
23	---	---	---	8.4	8.4	8.4	8.6	8.5	8.6	8.5	8.4	8.4
24	---	---	---	8.4	8.3	8.3	8.6	8.5	8.6	8.4	8.4	8.4
25	---	---	---	8.3	8.3	8.3	8.6	8.6	8.6	8.5	8.4	8.4
26	---	---	---	8.3	8.3	8.3	8.6	8.6	8.6	8.5	8.4	8.5
27	8.5	8.4	8.4	8.3	8.3	8.3	8.6	8.5	8.5	8.5	8.4	8.5
28	8.5	8.4	8.4	8.3	8.3	8.3	8.6	8.4	8.5	8.5	8.4	8.5
29	8.5	8.4	8.4	8.4	8.3	8.3	8.5	8.4	8.5	8.5	8.3	8.5
30	8.5	8.4	8.4	8.4	8.3	8.3	8.5	8.4	8.4	8.5	8.5	8.5
31	8.5	8.3	8.4	---	---	---	8.5	8.5	8.5	8.5	8.5	8.5
Max	---	---	---	8.6	8.4	8.4	8.6	8.6	8.6	8.5	8.5	8.5
Min	---	---	---	8.0	7.9	8.0	8.3	8.3	8.3	8.2	8.2	8.2

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

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

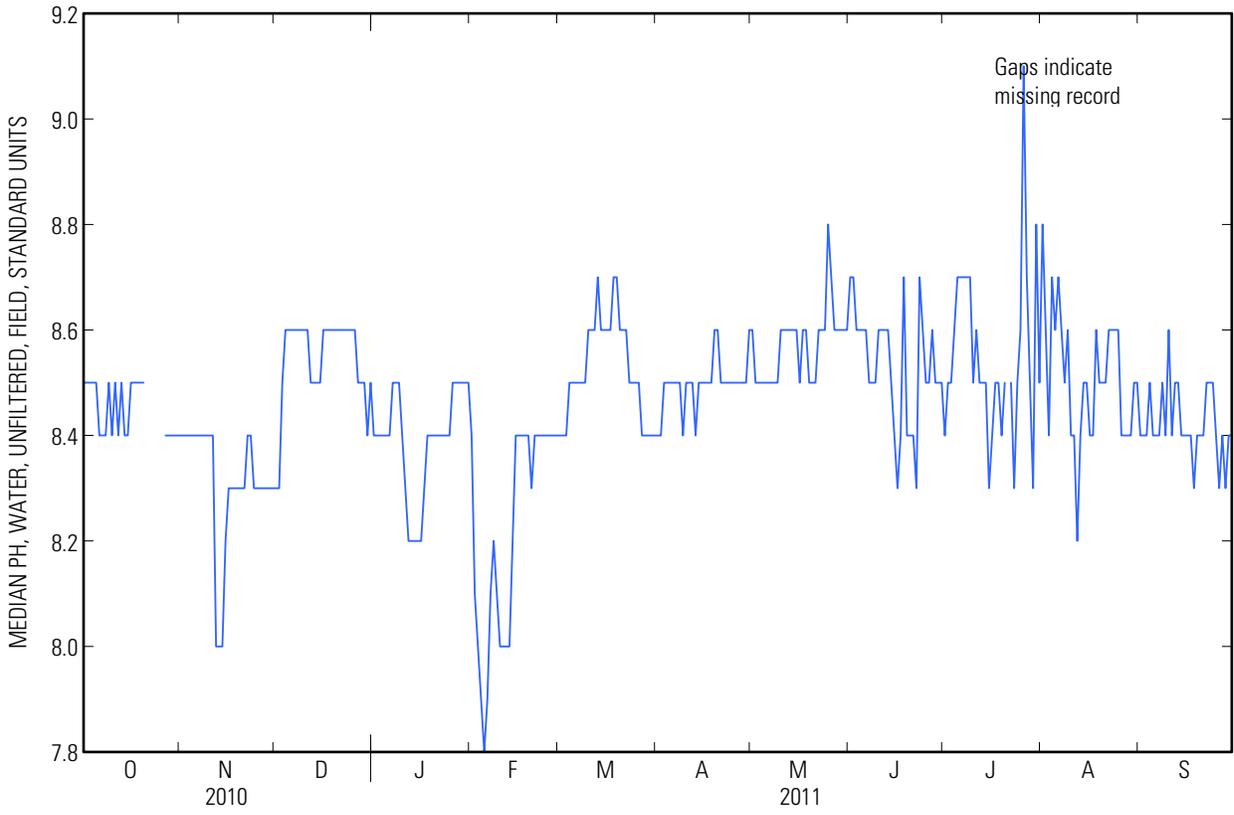
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	8.5	8.2	8.4	8.4	8.4	8.4	8.5	8.4	8.4	8.6	8.5	8.6
2	8.2	8.1	8.1	8.4	8.4	8.4	8.5	8.4	8.4	8.6	8.5	8.5
3	8.1	7.9	8.0	8.5	8.4	8.4	8.5	8.4	8.5	8.6	8.4	8.5
4	7.9	7.9	7.9	8.6	8.5	8.5	8.6	8.4	8.5	8.6	8.4	8.5
5	7.9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

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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
	June			July			August			September		
1	8.9	8.3	8.7	8.9	8.1	8.4	9.5	8.0	8.8	9.3	8.0	8.4
2	8.9	8.3	8.7	8.9	8.1	8.5	9.3	8.0	8.6	9.3	8.0	8.4
3	8.9	8.3	8.6	9.0	8.0	8.5	9.3	7.9	8.4	9.3	8.0	8.4
4	8.8	8.3	8.6	9.1	8.2	8.6	9.5	7.8	8.7	9.3	8.1	8.5
5	8.8	8.3	8.6	9.1	8.2	8.7	9.5	7.9	8.6	9.3	8.1	8.4
6	8.8	8.3	8.6	9.2	8.2	8.7	9.5	7.9	8.7	9.3	8.1	8.4
7	8.8	8.3	8.5	9.2	8.2	8.7	9.5	7.9	8.6	9.2	8.1	8.4
8	8.7	8.2	8.5	9.2	8.2	8.7	9.3	8.0	8.5	9.4	8.1	8.5
9	8.7	8.2	8.5	9.2	8.2	8.7	9.3	7.9	8.6	9.3	8.1	8.4
10	8.9	8.2	8.6	9.1	8.1	8.5	9.3	8.0	8.4	9.3	8.1	8.6
11	8.9	8.3	8.6	9.0	8.0	8.6	9.2	8.0	8.4	9.2	8.1	8.4
12	8.9	8.2	8.6	9.1	8.0	8.5	9.1	7.9	8.2	9.1	8.1	8.5
13	8.8	8.3	8.6	9.1	8.0	8.5	9.1	7.9	8.4	9.2	8.1	8.5
14	8.8	8.2	8.5	9.1	8.0	8.5	9.2	8.0	8.5	9.2	8.1	8.4
15	8.8	8.2	8.4	9.0	8.0	8.3	9.2	8.0	8.5	9.0	8.1	8.4
16	8.7	8.0	8.3	9.1	8.0	8.4	9.0	8.0	8.4	8.9	8.2	8.4
17	9.0	7.9	8.4	9.1	8.0	8.5	9.2	8.0	8.4	8.9	8.1	8.4
18	9.0	8.2	8.7	9.1	7.9	8.5	9.2	8.0	8.6	8.9	8.1	8.3
19	8.8	8.1	8.4	9.2	7.9	8.4	9.3	8.0	8.5	8.9	8.1	8.4
20	8.9	8.0	8.4	9.2	8.0	8.5	9.2	8.0	8.5	9.0	8.1	8.4
21	8.7	8.2	8.4	9.2	---	---	9.2	8.0	8.5	8.9	8.1	8.4
22	8.6	8.1	8.3	9.2	7.9	8.5	9.1	8.0	8.6	9.0	8.2	8.5
23	9.1	8.0	8.7	9.2	7.9	8.3	9.2	8.0	8.6	9.0	8.1	8.5
24	8.9	8.3	8.6	9.4	7.9	8.5	9.3	8.0	8.6	9.0	8.1	8.5
25	8.8	8.2	8.5	9.3	8.0	8.6	9.3	8.0	8.6	9.1	8.1	8.4
26	8.9	8.1	8.5	9.4	7.9	9.1	9.3	8.0	8.4	9.1	8.1	8.3
27	8.9	8.1	8.6	9.3	7.9	8.7	9.2	8.0	8.4	9.1	8.1	8.4
28	8.9	8.1	8.5	9.2	7.9	8.5	9.3	8.0	8.4	9.0	8.1	8.3
29	8.8	8.1	8.5	9.3	7.9	8.3	9.4	8.0	8.4	9.1	8.1	8.4
30	8.8	8.1	8.5	9.4	7.9	8.8	9.4	8.0	8.5	9.0	8.2	8.4
31	---	---	---	9.5	8.0	8.5	9.3	8.0	8.5	---	---	---
Max	9.1	8.3	8.7	9.5	---	---	9.5	8.0	8.8	9.4	8.2	8.6
Min	8.6	7.9	8.3	8.9	---	---	9.0	7.8	8.2	8.9	8.0	8.3

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	24.8	14.4	19.3	13.0	8.6	10.8	3.7	-0.1	1.8	0.5	0.0	0.1
2	22.0	14.9	18.2	14.9	7.5	10.8	7.0	1.1	3.7	0.8	-0.1	0.1
3	20.9	11.0	15.7	14.7	6.5	10.3	7.4	2.5	4.9	0.8	-0.1	0.1
4	20.8	11.5	15.8	12.9	6.0	9.2	6.2	2.8	4.4	0.9	-0.1	0.1
5	21.8	12.3	16.6	12.5	4.2	8.1	4.0	1.3	2.5	1.6	-0.1	0.2
6	24.0	13.7	18.3	13.0	5.0	8.8	4.0	0.0	1.6	2.3	-0.1	0.5
7	25.4	15.2	19.9	14.4	6.9	10.2	3.1	0.4	1.8	6.0	0.1	3.0
8	24.8	15.7	19.9	15.4	7.8	11.4	5.7	0.0	2.8	3.1	-0.1	1.4
9	24.2	15.2	19.2	16.2	10.0	12.8	8.0	2.8	5.1	1.1	-0.1	0.4
10	18.4	13.8	15.0	15.0	9.7	12.1	7.2	3.0	---	0.0	0.0	0.0
11	18.7	13.0	15.6	10.9	6.9	9.0	5.6	-0.1	3.5	0.4	-0.1	0.1
12	21.5	14.2	17.4	10.9	6.9	8.5	1.0	-0.1	0.2	0.1	0.0	0.0
13	20.4	13.0	16.4	9.1	5.9	7.4	1.0	-0.1	0.2	0.1	0.0	0.0
14	20.5	10.9	15.7	8.9	6.3	7.6	1.3	-0.1	0.3	0.1	0.0	0.0
15	21.2	11.9	16.4	9.0	6.1	7.6	2.6	0.0	0.9	0.1	0.0	0.0
16	22.6	13.8	17.9	10.3	5.9	8.1	4.1	-0.1	1.7	0.2	0.0	0.0
17	22.7	13.8	18.1	8.7	4.7	6.7	3.7	1.6	2.4	0.1	0.0	0.0
18	20.1	14.7	17.2	8.0	3.0	5.4	2.7	1.4	1.9	0.1	0.0	0.0
19	19.7	13.5	16.0	9.2	4.0	6.6	4.9	0.0	2.4	0.0	0.0	0.0
20	20.8	11.3	15.7	10.5	5.8	8.0	6.8	2.1	4.4	0.1	0.0	0.0
21	---	13.3	---	12.2	7.0	9.5	6.1	2.9	4.4	0.1	0.0	0.0
22	---	---	---	9.9	6.6	8.5	3.8	0.9	2.3	0.2	0.0	0.0
23	---	---	---	8.2	3.8	6.0	1.7	0.0	0.5	0.1	0.0	0.0
24	---	---	---	8.6	3.8	6.8	3.0	0.7	1.7	0.1	0.0	0.0
25	---	---	---	4.8	0.9	2.7	1.4	-0.1	0.5	0.2	0.0	0.0
26	16.2	---	---	5.6	-0.1	2.6	1.4	-0.1	0.2	0.6	-0.1	0.2
27	15.2	8.1	11.3	7.1	1.1	4.1	1.4	0.0	0.3	5.8	0.0	2.3
28	15.1	6.8	10.7	7.5	2.1	4.9	2.6	0.0	1.0	8.7	1.6	5.0
29	15.3	7.5	11.0	6.9	3.0	5.3	5.8	1.5	3.7	8.7	2.9	5.8
30	17.0	8.2	12.2	4.8	0.3	2.5	9.7	5.3	7.0	6.1	3.2	4.6
31	16.7	9.4	12.5	---	---	---	5.7	-0.1	2.2	3.4	-0.1	1.1
Month	---	---	---	16.2	-0.1	7.7	9.7	-0.1	---	8.7	-0.1	0.8

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

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

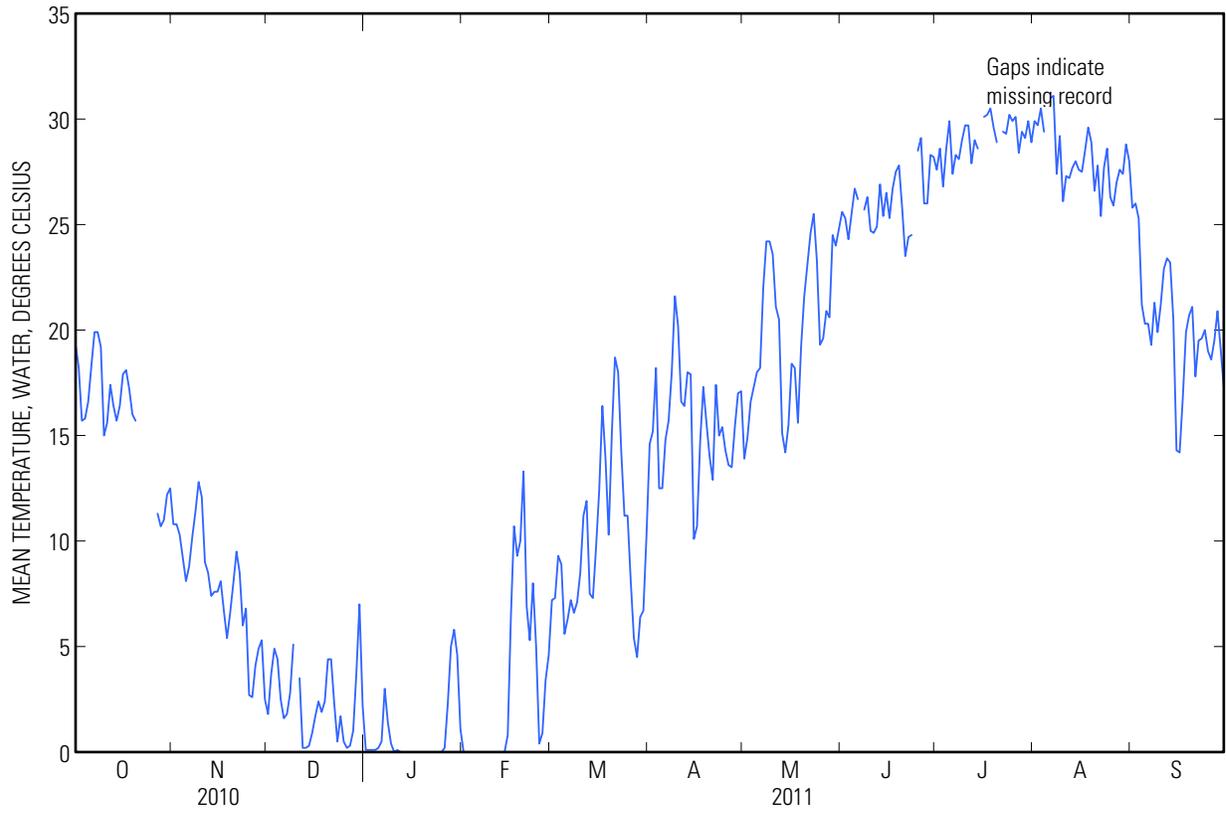
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	0.0	0.0	0.0	11.8	2.9	7.2	19.9	10.1	14.6	17.0	11.5	13.9
2	0.0	0.0	0.0	9.7	5.1	7.3	20.4	10.0	15.2	20.6	10.1	14.9
3	0.1	0.0	0.0	13.8	5.7	9.3	23.9	14.5	18.2	23.4	10.3	16.6
4	0.1	0.0	0.0	11.8	6.2	8.9	16.5	8.6	12.5	22.9	12.1	17.3
5	0.1	0.0	0.0	9.7	1.5	5.6	18.9	6.8	12.5	24.2	13.4	18.0
6	0.0	0.0	0.0	9.4	2.8	6.3	20.5	10.1	14.8	23.9	12.4	18.2
7	0.1	0.0	0.0	9.2	5.7	7.2	20.7	12.1	15.7	29.4	16.0	22.0
8	0.0	0.0	0.0	7.9	5.5	6.6	23.4	12.9	18.0	30.3	19.0	24.2
9	0.0	0.0	0.0	11.1	4.2	7.1	27.5	17.0	21.6	29.6	19.9	24.2
10	0.0	0.0	0.0	13.5	3.8	8.5	24.1	16.8	20.2	28.1	20.1	23.6
11	0.0	0.0	0.0	16.2	6.5	11.2	21.1	12.1	16.6	23.1	18.2	21.1
12	0.0	0.0	0.0	15.6	8.4	11.9	22.6	10.4	16.4	26.5	16.6	20.5
13	0.1	0.0	0.0	10.8	4.8	7.5	23.7	12.6	18.0	17.8	12.8	15.1
14	0.0	0.0	0.0	12.3	3.9	7.3	22.3	14.7	17.9	20.1	9.8	14.2
15	3.6	0.0	0.8	14.7	5.2	9.7	15.0	6.1	10.1	21.8	10.6	15.5
16	11.1	0.6	6.4	17.5	7.4	12.4	18.6	3.9	10.7	26.4	11.3	18.4
17	13.2	8.4	10.7	20.8	13.1	16.4	20.0	10.0	14.7	23.4	13.5	18.2
18	12.0	6.4	9.3	16.7	11.1	13.9	22.9	12.4	17.3	17.1	13.8	15.6
19	12.0	8.2	10.0	12.7	9.7	10.3	18.1	13.0	15.6	25.6	15.2	19.2
20	15.9	10.7	13.3	21.5	10.0	15.1	19.3	10.4	14.0	25.8	18.6	21.6
21	10.7	4.0	6.9	23.5	14.7	18.7	14.6	11.1	12.9	28.1	18.6	23.1
22	8.7	1.8	5.3	21.4	15.5	18.0	23.8	13.0	17.4	31.0	19.0	24.6
23	12.4	4.0	8.0	18.0	10.5	14.2	18.0	13.0	15.0	31.5	20.8	25.5
24	8.5	1.9	5.0	15.7	7.2	11.2	21.4	10.3	15.4	29.7	20.5	23.3
25	1.9	0.0	0.4	16.4	6.9	11.2	16.2	12.2	14.3	22.1	15.8	19.3
26	2.1	0.0	0.9	11.1	6.7	8.1	17.5	8.9	13.6	27.6	13.2	19.6
27	5.1	1.9	3.4	6.7	4.5	5.4	15.5	11.9	13.5	27.2	15.8	20.9
28	8.9	0.6	4.6	5.2	3.8	4.5	22.4	9.1	15.4	21.9	19.3	20.6
29	---	---	---	8.5	5.0	6.4	22.2	12.2	17.0	31.8	19.0	24.5
30	---	---	---	8.5	5.5	6.7	23.0	11.9	17.1	27.9	20.7	24.0
31	---	---	---	16.2	5.6	10.3	---	---	---	32.0	18.4	24.8
Month	15.9	0.0	3.0	23.5	1.5	9.8	27.5	3.9	15.5	32.0	9.8	20.1

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	32.1	20.2	25.6	33.9	22.3	27.6	37.0	24.7	29.9	32.6	21.1	25.8
2	30.0	22.2	25.3	37.5	22.6	28.6	37.7	23.8	29.7	33.4	21.1	26.0
3	28.1	20.8	24.3	35.0	23.2	26.8	38.4	26.1	30.5	33.2	22.1	25.3
4	30.8	21.2	25.5	37.7	20.9	28.6	36.3	24.8	29.4	27.1	17.4	21.2
5	33.7	20.4	26.7	38.1	23.3	29.9	37.9	25.1	---	29.4	13.5	20.3
6	32.7	21.0	26.2	33.8	22.7	27.4	38.4	24.9	31.0	30.0	12.6	20.3
7	30.0	21.3	---	35.7	22.6	28.3	39.4	24.7	31.1	24.6	16.0	19.3
8	32.8	20.1	25.7	34.7	22.4	28.1	34.9	22.6	27.4	29.2	15.5	21.3
9	32.4	22.1	26.3	36.2	23.2	29.0	37.5	23.4	29.2	26.8	13.8	19.9
10	31.4	19.8	24.7	37.0	24.6	29.7	33.0	21.1	26.1	28.1	17.0	21.2
11	31.6	19.2	24.6	37.8	23.9	29.7	35.4	21.8	27.3	31.8	15.6	22.9
12	31.9	19.8	24.9	34.9	23.9	27.9	35.0	23.0	27.2	30.1	17.8	23.4
13	32.8	21.5	26.9	36.8	23.1	29.0	35.1	22.0	27.7	30.3	18.1	23.2
14	32.7	21.1	25.4	34.8	24.4	28.6	35.8	21.9	28.0	26.7	16.6	20.5
15	35.0	19.4	26.5	37.1	24.6	---	34.9	22.0	27.6	16.6	12.8	14.3
16	31.9	21.3	25.3	38.1	24.4	30.1	32.8	24.1	27.5	17.1	12.3	14.2
17	35.0	20.2	26.7	38.4	24.4	30.2	35.3	23.8	28.5	20.6	14.5	16.8
18	34.3	21.1	27.5	38.7	24.9	30.5	37.6	24.0	29.6	24.9	17.0	19.9
19	34.5	22.5	27.8	37.1	24.0	29.6	36.3	24.0	28.9	29.3	14.0	20.7
20	31.4	21.9	25.8	35.4	23.5	28.9	30.7	23.8	26.6	28.2	16.5	21.1
21	29.7	18.2	23.5	37.6	---	---	35.9	22.1	27.8	20.2	16.1	17.8
22	31.4	18.3	24.4	37.3	24.2	29.4	27.5	23.8	25.4	27.4	14.0	19.5
23	32.0	18.6	24.5	37.6	23.8	29.3	34.4	22.2	27.7	27.0	14.1	19.6
24	34.6	20.7	---	37.8	24.7	30.2	36.4	23.5	28.6	28.2	14.0	20.0
25	36.9	22.2	28.5	37.6	24.2	29.9	33.7	20.8	26.3	25.8	14.2	19.0
26	36.0	24.3	29.1	37.8	24.2	30.1	34.5	19.2	25.9	26.0	12.9	18.6
27	31.3	22.3	26.0	35.3	23.5	28.4	32.5	22.9	27.0	27.4	13.1	19.5
28	33.7	19.6	26.0	36.5	24.6	29.4	34.9	21.7	27.6	29.5	14.2	20.9
29	35.4	23.0	28.3	37.7	24.8	29.1	33.9	22.4	27.4	24.5	15.4	19.1
30	35.0	22.8	28.2	38.9	24.0	29.9	36.7	23.5	28.8	25.2	11.3	17.3
31	---	---	---	37.4	24.8	28.9	35.7	22.3	28.0	---	---	---
Month	36.9	18.2	---	38.9	---	---	39.4	19.2	---	33.4	11.3	20.3

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	9.7	7.8	8.7	11.4	9.4	10.4	13.2	12.0	12.6	13.9	---	---
2	9.6	8.0	8.8	11.7	9.5	10.5	12.8	11.4	12.1	13.7	12.6	13.4
3	10.3	8.6	9.4	11.8	9.6	10.5	12.7	11.2	12.0	13.7	13.4	13.6
4	10.3	8.6	9.4	11.9	9.8	10.8	12.7	11.4	12.2	14.0	13.4	13.6
5	10.2	8.3	9.3	12.2	10.1	11.1	13.4	12.5	13.0	13.7	13.3	13.6
6	10.0	7.9	9.0	12.1	9.8	10.9	13.9	12.5	13.2	13.7	13.2	13.5
7	10.0	7.7	8.8	11.9	9.6	10.5	13.5	12.7	13.1	13.2	11.9	12.6
8	10.0	7.7	8.8	11.6	9.1	10.2	13.7	11.9	12.9	13.7	12.5	13.2
9	10.4	7.8	8.9	10.9	9.0	9.8	12.7	11.3	12.0	13.8	13.0	13.5
10	9.9	8.0	9.1	11.1	9.1	10	12.6	11.3	11.9	14.0	13.4	13.7
11	10.7	8.2	9.4	11.6	9.8	10.7	13.6	11.5	12.4	14.0	---	---
12	10.4	8.0	9.1	10.5	9.9	10.3	13.9	13.1	13.7	13.9	13.3	13.6
13	10.5	8.2	9.1	10.7	10.1	10.4	13.9	13.4	13.6	13.8	13.0	13.4
14	---	8.4	---	10.7	10.2	10.4	13.8	13.2	13.6	13.2	13.0	13.1
15	10.6	8.3	9.4	10.9	10.3	10.5	13.7	12.8	13.3	13.2	13.0	13.1
16	10.4	8.0	9.2	11.1	10.0	10.5	13.7	12.4	13.2	13.4	13.1	13.2
17	10.4	8.0	9.1	11.3	10.1	10.8	13.2	12.6	12.9	13.2	13.1	13.1
18	10.3	8.2	9.1	12.1	10.8	11.5	13.3	12.9	13.1	13.6	13.2	13.4
19	10.7	8.6	9.4	11.6	10.4	11.1	13.6	12.1	12.9	13.8	13.6	13.7
20	10.7	8.4	9.6	11.2	10.2	10.7	12.8	11.4	12.2	13.9	13.2	13.6
21	---	---	---	10.9	9.7	10.3	12.8	11.6	12.2	13.7	13.1	13.5
22	---	---	---	10.8	9.9	10.4	13.6	12.3	13.1	13.6	13.0	13.4
23	---	---	---	11.9	10.7	11.2	13.9	13.0	13.7	13.8	13.4	13.6
24	---	---	---	11.4	10.6	10.9	13.6	12.9	13.3	13.7	13.2	13.4
25	---	---	---	12.8	11.4	12.2	14.0	13.2	13.8	13.7	12.7	13.4
26	---	---	---	13.1	11.6	12.4	13.9	13.6	13.8	13.7	12.8	13.4
27	---	---	---	12.7	11.1	11.9	13.9	13.4	13.7	13.7	11.8	12.9
28	---	---	---	12.3	10.8	11.5	13.9	12.8	13.5	13.0	11.1	12.1
29	---	9.3	---	11.8	10.9	11.3	13.1	11.5	12.5	12.7	11.0	11.8
30	11.3	8.9	10.1	13.0	11.8	12.3	11.7	10.8	11.3	12.9	11.3	12.1
31	11.1	9.1	10	---	---	---	13.8	11.3	12.8	13.9	12.2	13.2
Month	---	---	---	13.1	9.0	10.9	14.0	10.8	12.9	14.0	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

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

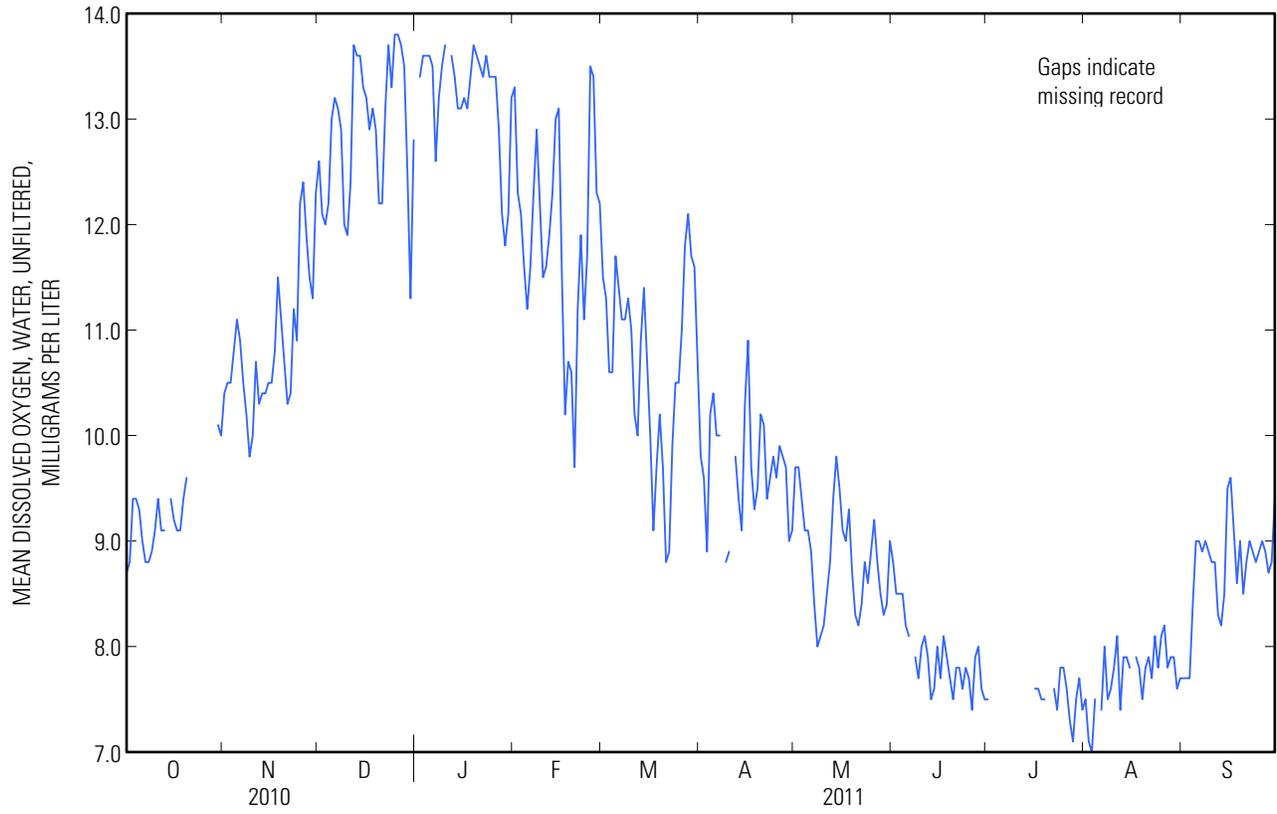
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	13.8	12.1	13.3	12.5	10.3	11.5	10.7	8.7	9.8	10.7	8.4	9.7
2	12.6	12.0	12.3	12.0	10.6	11.3	10.8	8.4	9.6	10.8	8.7	9.7
3	12.5	11.7	12.1	11.4	9.6	10.6	9.8	8.0	8.9	10.7	8.0	9.4
4	11.9	11.3	11.6	11.1	9.9	10.6	11.4	8.8	10.2	10.2	8.3	9.1
5	11.4	10.9	11.2	12.8	10.8	11.7	11.7	8.7	10.4	10.0	8.1	9.1
6	12.0	11.3	11.6	12.3	10.6	11.4	11.5	8.5	10.0	10.1	7.7	8.9
7	12.7	12.0	12.3	11.6	10.6	11.1	11.9	8.3	10	9.4	7.0	8.4
8	13.1	12.7	12.9	11.4	10.6	11.1	11.0	7.8	---	9.0	6.8	8.0
9	12.8	11.5	12.2	12.0	10.5	11.3	10.3	7.4	8.8	9.2	6.9	8.1
10	11.6	11.4	11.5	12.0	9.8	11.0	10.2	7.6	8.9	9.4	7.0	8.2
11	11.9	11.4	11.6	11.2	9.1	10.2	---	8.3	---	9.9	7.3	8.5
12	12.2	11.8	11.9	10.8	9.3	10	11.1	8.2	9.8	9.7	8.0	8.8
13	12.7	12.2	12.3	11.6	9.7	10.9	10.6	7.7	9.4	10.3	8.2	9.4
14	13.3	12.7	13.0	12.2	10.1	11.4	10.2	7.8	9.1	10.7	8.8	9.8
15	13.4	12.6	13.1	11.7	9.4	10.7	11.2	8.6	10.3	10.6	8.5	9.5
16	12.9	10.2	11.5	11.1	8.7	10	12.2	8.9	10.9	10.4	7.6	9.1
17	10.6	9.8	10.2	9.9	8.4	9.1	10.9	8.4	9.7	10.0	7.9	9.0
18	11.4	10.1	10.7	10.6	8.6	9.7	10.5	7.9	9.3	10.2	8.3	9.3
19	11.0	9.9	10.6	10.9	9.3	10.2	10.8	8.0	9.5	10.0	7.4	8.7
20	9.9	9.2	9.7	10.7	8.0	9.7	11.5	8.9	10.2	9.5	7.3	8.3
21	12.1	9.8	11.2	9.8	7.9	8.8	11.2	8.9	10.1	9.4	6.8	8.2
22	12.9	11.0	11.9	9.8	8.0	8.9	10.6	7.8	9.4	9.9	6.5	8.4
23	12.1	10.1	11.1	11.1	8.5	9.9	10.7	8.0	9.6	11.7	6.4	8.8
24	12.7	10.5	11.7	11.8	9.3	10.5	10.9	8.4	9.8	11.6	6.4	8.6
25	13.8	12.7	13.5	11.7	9.5	10.5	10.6	8.5	9.6	10.5	7.1	8.9
26	13.7	12.7	13.4	11.7	9.7	11.0	11.0	8.7	9.9	10.4	7.5	9.2
27	12.7	11.8	12.3	12.3	11.2	11.8	10.6	8.8	9.8	9.8	7.2	8.8
28	13.4	11.2	12.2	12.5	11.7	12.1	11.0	8.2	9.7	9.7	7.3	8.5
29	---	---	---	12.2	11.1	11.7	10.2	8.1	9.0	9.3	7.0	8.3
30	---	---	---	12.1	11.1	11.6	10.2	8.2	9.1	9.8	7.1	8.4
31	---	---	---	11.7	9.2	10.7	---	---	---	11.2	6.6	9.0
Month	13.8	9.2	11.9	12.8	7.9	10.7	---	7.4	---	11.7	6.4	8.8

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	10.8	6.6	8.8	8.3	6.7	7.5	11.2	4.9	7.5	9.8	5.8	7.7
2	10.2	6.6	8.5	8.6	---	---	10.1	4.8	7.1	10.2	5.6	7.7
3	10.5	6.9	8.5	---	---	---	10.3	4.9	7.0	10.8	5.8	7.7
4	10.3	6.6	8.5	---	---	---	11.6	4.5	7.5	10.3	6.6	8.4
5	9.7	6.3	8.2	---	---	---	---	4.5	---	11.1	6.7	9.0
6	9.3	6.4	8.1	---	---	---	11.5	4.3	7.4	11.3	6.4	9.0
7	---	---	---	---	---	---	13.6	4.1	8.0	11.6	6.8	8.9
8	8.9	6.5	7.9	---	---	---	11.2	4.8	7.5	11.5	6.8	9.0
9	8.8	6.4	7.7	---	---	---	10.9	5.2	7.6	11.1	6.6	8.9
10	9.1	6.6	8.0	---	---	---	11.2	5.4	7.8	11.7	6.6	8.8
11	9.1	6.9	8.1	---	---	---	12.0	5.3	8.1	11.8	6.0	8.8
12	9.1	6.4	7.9	---	---	---	10.8	5.4	7.4	10.9	5.9	8.3
13	8.8	6.1	7.5	---	---	---	10.6	5.5	7.9	10.6	6.2	8.2
14	8.9	6.2	7.6	---	---	---	10.7	5.6	7.9	10.7	6.8	8.5
15	9.2	6.2	8.0	---	5.8	---	10.4	5.6	7.8	11.3	7.6	9.5
16	9.0	6.3	7.7	10.1	5.5	7.6	---	---	---	11.2	8.3	9.6
17	10.1	6.0	8.1	10.4	5.4	7.6	10.9	5.8	7.9	11.1	7.4	9.1
18	9.7	6.0	7.9	10.4	5.3	7.5	10.9	5.5	7.8	10.9	6.9	8.6
19	9.4	6.0	7.7	10.3	5.4	7.5	10.6	5.5	7.5	11.7	6.5	9.0
20	8.3	6.2	7.5	9.7	---	---	10.6	6.0	7.8	11.0	6.7	8.5
21	8.5	6.8	7.8	---	5.3	---	11.2	5.5	7.9	10.8	6.9	8.8
22	8.6	6.7	7.8	10.9	5.4	7.6	10.0	5.6	7.7	11.4	7.0	9.0
23	8.5	6.7	7.6	10.5	5.1	7.4	10.8	5.4	8.1	11.3	6.9	8.9
24	8.9	6.5	7.8	11.5	5.2	7.8	10.9	5.6	7.8	11.3	6.8	8.8
25	8.9	6.3	7.7	11.6	5.0	7.8	10.8	6.0	8.1	11.2	7.2	8.9
26	8.7	6.2	7.4	11.2	5.1	7.6	10.8	5.7	8.2	11.3	7.0	9.0
27	9.2	6.6	7.9	9.9	5.2	7.3	10.8	5.8	7.8	11.5	6.8	8.9
28	9.0	6.8	8.0	10.3	5.0	7.1	10.9	5.3	7.9	11.6	6.3	8.7
29	8.7	6.5	7.6	11.1	5.1	7.5	10.8	5.5	7.9	11.2	6.6	8.8
30	8.5	6.5	7.5	11.6	5.1	7.7	10.8	5.1	7.6	11.7	7.4	9.4
31	---	---	---	11.9	4.9	7.4	10.9	5.4	7.7	---	---	---
Month	---	---	---	---	---	---	---	---	---	11.8	5.6	8.7

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	25	16	20	20	11	15	19	15	16	---	---	---
2	25	14	18	18	11	14	---	---	---	---	---	---
3	18	10	14	19	11	15	---	---	---	---	---	---
4	16	8.4	12	18	12	15	---	---	---	---	---	---
5	17	8.9	12	14	9.0	11	---	---	---	---	---	---
6	14	7.9	11	18	12	14	---	---	---	---	---	---
7	15	7.5	11	20	14	16	---	---	---	---	---	---
8	14	8.1	10	20	14	17	---	---	---	---	---	---
9	13	5.8	8.2	23	14	18	---	---	---	---	---	---
10	10	3.8	7.1	32	17	21	---	---	---	---	---	---
11	18	7.0	11	27	14	18	---	---	---	---	---	---
12	21	12	16	200	19	110	---	---	---	---	---	---
13	24	11	18	300	160	220	---	---	---	---	---	---
14	22	14	18	170	85	130	---	---	---	---	---	---
15	20	13	16	91	58	70	---	---	---	---	---	---
16	19	13	15	69	55	60	---	---	---	---	---	---
17	15	11	13	63	42	51	---	---	---	---	---	---
18	19	11	14	43	32	36	---	---	---	---	---	---
19	17	12	14	32	28	30	---	---	---	---	---	---
20	17	12	14	30	24	26	---	---	---	---	---	---
21	---	---	---	27	20	23	---	---	---	---	---	---
22	---	---	---	27	22	24	---	---	---	---	---	---
23	---	---	---	23	19	20	---	---	---	---	---	---
24	---	---	---	20	18	19	---	---	---	---	---	---
25	---	---	---	23	16	18	---	---	---	---	---	---
26	---	---	---	20	15	17	---	---	---	---	---	---
27	---	---	---	25	16	17	---	---	---	---	---	---
28	---	---	---	25	17	21	---	---	---	---	---	---
29	---	---	---	23	18	20	---	---	---	---	---	---
30	23	12	15	20	16	18	---	---	---	---	---	---
31	22	13	16	---	---	---	---	---	---	---	---	---
Month	---	---	---	300	9.0	37	---	---	---	---	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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

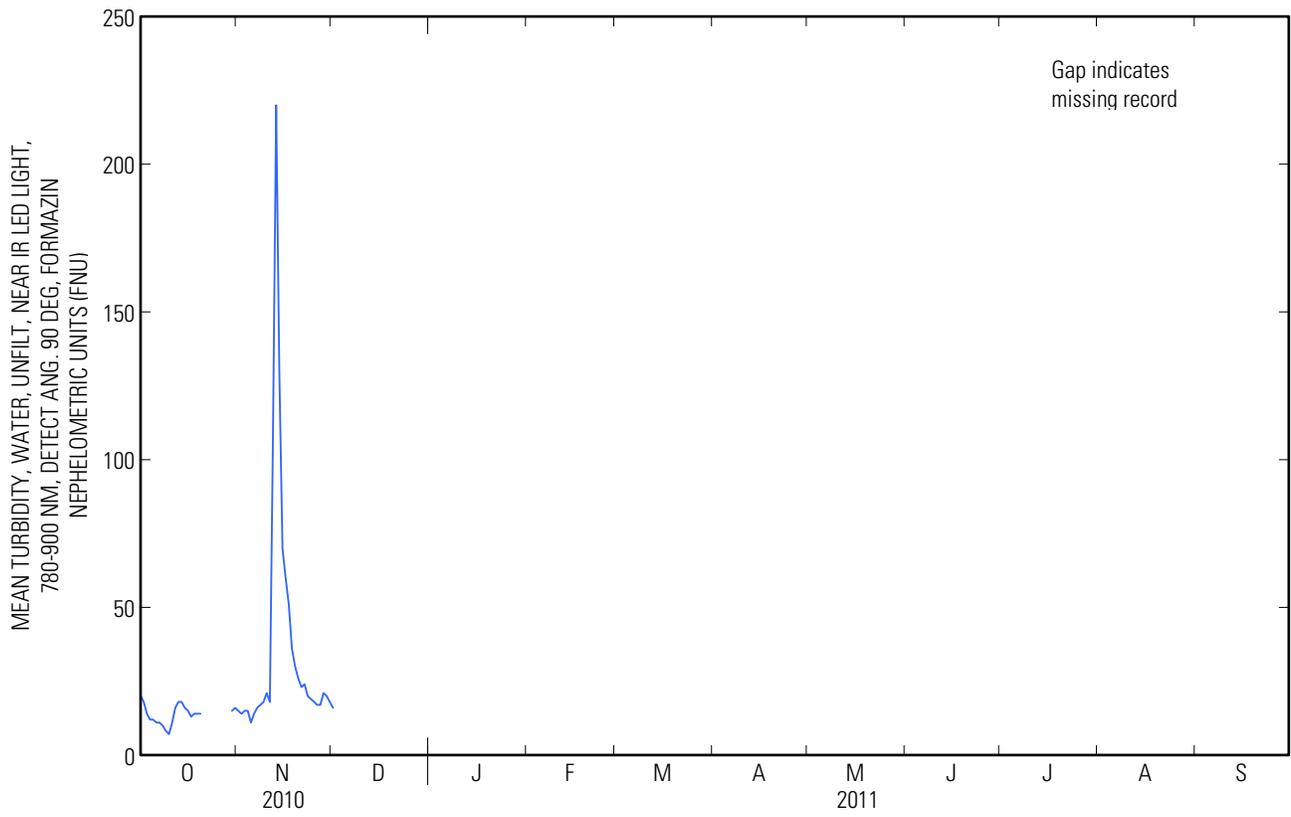
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	19	13	16	---	---	---	9.2	6.9	8.0	10	2.9	6.5
2	18	12	14	---	---	---	8.9	6.9	7.8	11	2.2	5.4
3	14	8.7	11	11	7.3	8.9	11	7.7	8.6	16	3.0	6.9
4	12	7.4	9.5	11	7.1	8.0	14	7.4	9.4	13	2.4	7.8
5	11	7.6	9.4	7.7	4.7	5.8	9.3	6.6	7.4	22	7.2	12
6	11	7.2	9.0	13	6.3	8.1	12	7.5	---	30	6.1	15
7	15	7.9	10	17	8.6	12	12	6.9	---	20	11	13
8	---	---	---	14	8.5	11	9.1	6.4	7.7	13	9.2	10
9	---	---	---	16	9.3	11	14	8.3	---	13	5.7	9.0
10	---	---	---	12	9.3	10	---	---	---	12	5.7	8.1
11	---	---	---	12	7.0	8.6	14	7.5	9.1	7.8	2.4	---
12	---	---	---	130	12	84	19	6.3	9.6	7.6	2.6	4.5
13	---	---	---	170	100	130	12	3.6	6.9	7.7	5.1	6.2
14	15	10	13	100	56	84	26	4.1	12	7.1	5.1	5.7
15	14	9.7	12	56	38	46	20	6.5	12	7.0	4.5	5.6
16	13	9.9	12	46	36	40	18	9.6	14	16	4.8	8.2
17	---	---	---	41	26	33	12	8.7	9.9	11	5.9	7.9
18	---	---	---	26	20	22	10	7.8	8.7	13	8.9	11
19	---	---	---	20	17	18	---	8.1	---	12	7.0	9.2
20	14	10	12	18	15	16	---	7.6	---	8.3	4.4	6.5
21	---	---	---	18	13	14	9.3	7.6	8.3	16	5.0	10
22	---	---	---	16	14	15	8.5	7.0	---	19	7.0	13
23	---	---	---	14	11	12	8.6	5.8	---	19	8.6	12
24	---	---	---	12	11	12	7.5	6.3	6.8	21	4.7	9.9
25	---	---	---	11	8.9	9.6	7.1	5.7	6.5	23	5.2	14
26	---	---	---	11	8.5	9.6	11	3.9	6.5	34	7.1	18
27	---	---	---	10	8.5	9.4	11	2.6	6.9	28	6.1	16
28	---	---	---	12	9.1	10	16	4.9	9.0	18	14	16
29	---	---	---	12	8.7	10	18	8.8	10	---	---	---
30	---	---	---	9.2	7.6	8.4	12	9.7	11	---	---	---
31	---	---	---	---	---	---	11	7.7	8.8	32	14	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	34	8.8	---	15	10	12	18	13	15	12	6.4	8.5
2	29	7.3	---	14	---	---	19	13	16	13	6.7	8.5
3	---	8.5	---	---	---	---	19	13	16	13	7.2	10
4	13	6.8	9.5	11	9.1	10	13	8.4	10	14	7.8	11
5	11	5.6	7.6	9.8	8.4	9.1	11	6.5	8.0	12	7.4	9.6
6	8.1	6.4	7.2	11	7.7	8.8	13	5.4	7.4	13	7.4	11
7	10	5.8	7.8	10	7.5	8.3	8.9	5.3	6.7	15	9.4	12
8	8.6	6.5	7.4	10	8.2	9.2	14	6.6	8.9	18	11	14
9	8.0	---	---	17	10	14	23	13	15	18	12	16
10	8.9	---	---	15	13	14	23	---	---	18	12	15
11	12	6.4	8.8	15	13	14	---	9.4	---	15	12	14
12	14	7.8	10	17	11	13	---	9.5	---	16	9.3	12
13	20	8.6	14	13	9.1	11	18	9.3	13	11	6.3	7.9
14	49	16	30	14	9.1	11	18	9.8	12	7.6	4.7	6.0
15	120	28	66	15	11	13	14	10	11	10	4.7	6.6
16	84	31	41	15	11	13	17	8.8	11	10	5.0	7.4
17	48	28	36	16	12	15	22	9.6	13	9.2	5.5	7.0
18	49	22	32	16	12	14	---	6.9	---	8.3	4.7	5.9
19	30	20	23	14	10	12	9.3	6.0	7.5	15	6.1	9.2
20	45	20	29	24	12	16	8.4	5.2	6.3	37	14	20
21	34	14	20	26	20	23	7.8	5.4	6.3	82	28	49
22	16	12	15	49	24	29	11	6.2	7.3	76	46	57
23	13	10	11	25	20	22	12	5.3	7.9	56	41	48
24	16	9.4	11	23	16	18	12	4.7	6.7	71	30	41
25	17	11	13	22	13	16	10	6.5	8.0	49	26	35
26	16	9.8	13	17	11	13	30	7.3	14	27	18	22
27	24	13	18	14	9.0	11	30	12	17	23	14	19
28	16	12	14	16	8.4	10	17	10	14	24	19	21
29	---	---	---	11	8.8	9.9	28	13	19	34	19	25
30	---	---	---	13	9.0	11	19	12	15	---	26	---
31	---	---	---	16	10	---	---	---	---	52	30	40
Month	---	---	---	---	---	---	---	---	---	---	4.7	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—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	44	28	36	22	12	16	17	9.3	13	19	7.7	12
2	43	28	34	19	12	15	15	6.7	10	19	5.8	10
3	34	22	27	22	13	17	68	6.2	13	13	5.8	8.6
4	31	18	24	21	12	17	24	11	18	9.7	5.0	6.9
5	32	18	24	30	16	20	26	10	15	---	3.8	---
6	30	17	23	23	11	15	28	9.1	17	13	4.5	7.4
7	26	15	20	17	10	13	35	11	25	13	5.7	9.0
8	21	11	16	24	12	15	30	18	25	16	7.2	9.9
9	18	10	14	21	11	16	35	18	22	16	6.4	---
10	16	9.4	13	---	---	---	68	18	27	---	---	---
11	39	9.6	14	---	---	---	74	17	28	14	7.1	10
12	42	22	28	---	---	---	74	---	---	15	8.6	12
13	29	17	22	19	11	14	---	25	---	13	6.8	---
14	29	12	17	20	10	14	40	19	28	13	5.6	8.1
15	23	11	16	17	8.8	---	42	21	---	15	5.1	9.2
16	75	14	23	21	9.2	13	---	16	---	14	2.0	6.5
17	58	36	47	16	10	12	28	14	20	65	4.4	21
18	49	28	36	16	9.9	12	28	14	21	21	10	15
19	41	26	34	17	8.6	12	27	14	20	15	9.2	11
20	42	25	33	21	---	---	26	14	19	13	8.6	10
21	35	16	22	---	6.6	---	41	17	28	12	5.3	7.7
22	29	16	21	22	6.1	11	58	21	33	16	3.7	7.3
23	35	17	22	18	5.9	9.5	36	18	26	15	5.0	8.0
24	25	14	18	30	6.4	12	33	15	23	12	4.8	7.3
25	23	13	18	16	7.4	11	30	13	17	15	4.5	8.7
26	24	15	20	25	7.0	11	18	10	14	14	6.1	7.8
27	22	14	18	20	7.3	11	23	11	15	13	4.6	8.7
28	20	11	16	16	5.7	9.2	27	12	17	15	4.7	9.5
29	27	14	18	22	6.1	9.6	18	9.7	14	18	5.2	9.9
30	22	14	18	19	6.5	11	20	10	14	13	3.6	7.1
31	---	---	---	19	7.4	12	22	10	14	---	---	---
Month	75	9.4	23	---	---	---	---	---	---	---	---	---

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

