

11475610 Cahto Creek near Laytonville, CA

Eel River Basin

LOCATION.--Lat 39°40'18", long 123°29'50" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.14, T.21 N., R.15 W., Mendocino County, CA, Hydrologic Unit 18010106, on right bank, downstream side of Creekside Road Bridge, 1.0 mi upstream of Tenmile Creek, and 1.4 mi southwest of Laytonville.

DRAINAGE AREA.--5.09 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to current year.

GAGE.--Water stage recorder and crest-stage gage. Elevation of gage is 1,645 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream of gage. See schematic diagram of Eel River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080 ft³/s, Dec. 2, 2012, gage height, 11.38 ft; no flow several days each year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 2	0400	*2,080	*11.38
Dec 23	1130	648	7.39

11475610 Cahto Creek near Laytonville, CA—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	1.8	84	18	4.3	2.7	5.0	2.4	0.95	0.37	0.00	0.00
2	0.00	0.96	513	16	4.1	2.7	4.2	2.4	0.89	0.29	0.00	0.00
3	0.00	0.77	54	14	4.0	2.7	3.7	2.3	0.82	0.21	0.00	0.00
4	0.00	0.61	151	12	3.8	2.5	34	2.1	0.76	0.23	0.00	0.00
5	0.00	0.58	162	13	3.7	6.7	25	2.2	0.70	0.15	0.00	0.00
6	0.00	0.53	56	13	3.5	66	23	2.7	0.59	0.18	0.00	0.00
7	0.00	0.52	33	11	8.8	22	25	2.8	0.49	0.16	0.00	0.00
8	0.00	0.92	23	9.9	7.6	14	27	2.5	0.41	0.13	0.00	0.00
9	0.00	1.2	18	9.7	5.6	10	19	2.3	0.37	0.10	0.00	0.00
10	0.00	1.1	14	9.4	4.9	8.8	16	2.2	0.47	0.08	0.00	0.00
11	0.00	1.1	12	9.1	4.4	7.8	13	2.0	0.55	0.07	0.00	0.00
12	0.00	1.0	12	8.4	4.0	6.7	12	1.8	0.49	0.07	0.00	0.00
13	0.00	1.5	9.6	8.2	3.9	5.7	10	1.7	0.43	0.07	0.00	0.00
14	0.00	1.5	8.4	7.6	3.7	5.1	8.9	1.6	0.41	0.05	0.00	0.00
15	0.00	1.1	11	7.1	3.4	4.6	8.2	1.6	0.37	0.05	0.00	0.00
16	0.00	1.0	62	e6.8	3.3	4.2	7.2	1.7	0.34	0.05	0.00	0.00
17	0.00	9.0	111	e6.4	3.2	3.8	6.5	1.7	0.36	0.06	0.00	0.00
18	0.00	4.3	43	6.1	3.1	3.6	5.9	1.6	0.43	0.05	0.00	0.00
19	0.00	3.4	29	6.0	7.1	3.6	5.4	1.5	0.46	0.05	0.00	0.00
20	0.00	23	66	5.7	5.2	47	5.3	1.3	0.46	0.04	0.00	0.00
21	0.00	15	155	5.4	4.1	18	4.6	1.3	0.40	0.04	0.00	0.00
22	0.02	5.3	118	5.2	3.7	13	4.2	1.4	0.29	0.03	0.00	0.00
23	0.90	3.2	205	7.4	3.7	10	3.8	1.4	0.34	0.03	0.00	0.00
24	1.8	2.3	80	8.1	3.3	8.9	3.5	1.4	0.59	0.02	0.00	0.00
25	0.48	1.9	83	6.2	3.1	8.0	3.6	1.3	4.2	0.02	0.00	0.00
26	0.26	1.5	100	6.0	3.0	7.2	3.6	1.2	4.0	0.02	0.00	0.00
27	0.24	1.4	58	5.5	2.8	6.6	3.2	1.8	1.7	0.02	0.00	0.00
28	0.26	20	42	5.1	2.8	6.2	3.0	1.9	1.0	0.01	0.00	0.00
29	0.29	119	33	4.9	---	5.5	2.8	1.6	0.66	0.01	0.00	0.04
30	0.35	127	25	4.7	---	5.1	2.6	1.3	0.49	0.00	0.00	2.6
31	1.7	---	21	4.5	---	5.4	---	1.1	---	0.00	0.00	---
Total	6.30	352.49	2,392.0	260.4	118.1	324.1	299.2	56.1	24.42	2.66	0.00	2.64
Mean	0.20	11.7	77.2	8.40	4.22	10.5	9.97	1.81	0.81	0.09	0.00	0.09
Max	1.8	127	513	18	8.8	66	34	2.8	4.2	0.37	0.00	2.6
Min	0.00	0.52	8.4	4.5	2.8	2.5	2.6	1.1	0.29	0.00	0.00	0.00
Ac-ft	12	699	4,740	517	234	643	593	111	48	5.3	0.00	5.2

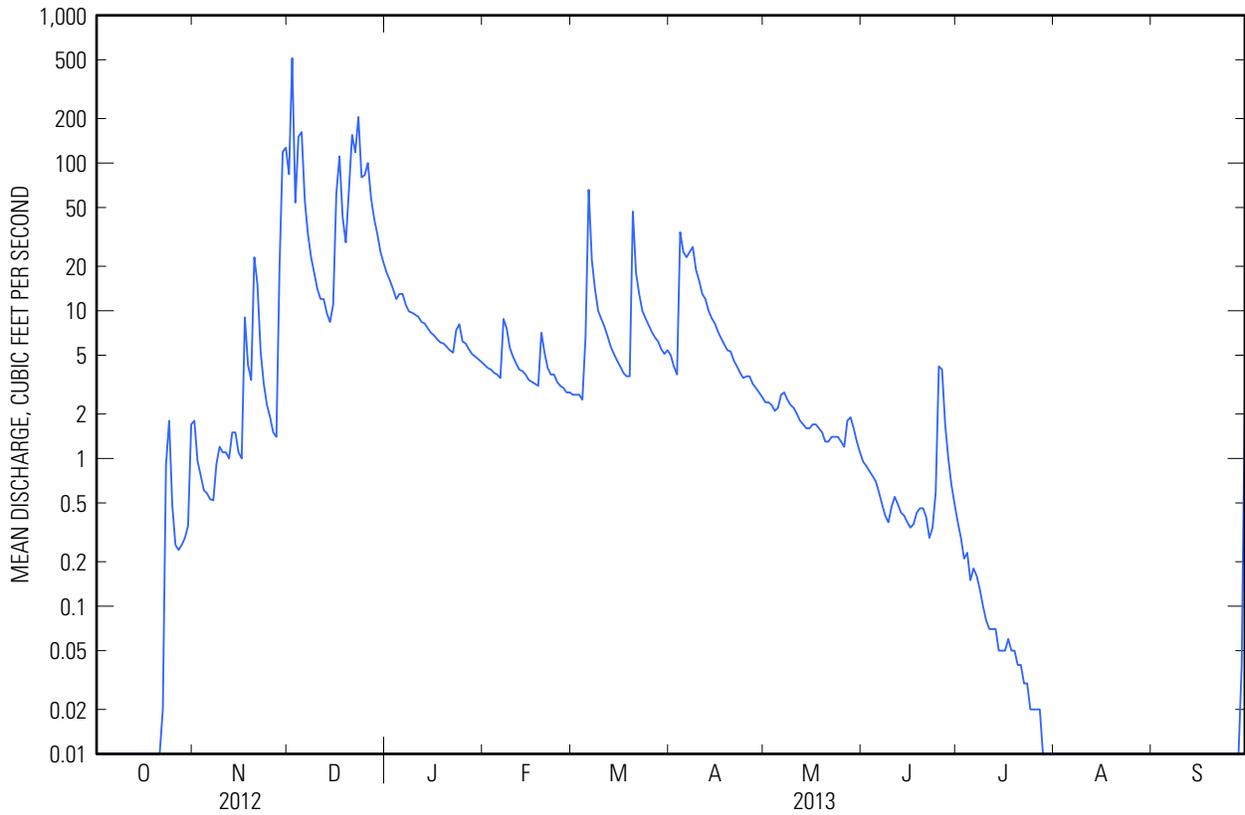
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.29	6.08	30.7	32.2	23.0	38.2	16.5	6.60	2.11	0.37	0.06	0.03
Max	8.73	16.1	77.2	67.4	48.1	91.9	40.2	17.1	6.30	0.82	0.18	0.10
(WY)	(2011)	(2011)	(2013)	(2008)	(2008)	(2011)	(2010)	(2009)	(2010)	(2010)	(2010)	(2010)
Min	0.19	1.05	1.52	7.91	4.22	9.12	3.10	1.01	0.46	0.09	0.00	0.00
(WY)	(2009)	(2010)	(2012)	(2009)	(2013)	(2008)	(2008)	(2008)	(2008)	(2013)	(2008)	(2008)

11475610 Cahto Creek near Laytonville, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2012	Water Year 2013	Water Years 2008 - 2013
Annual total	7,240.80	3,838.41	
Annual mean	19.8	10.5	13.2
Highest annual mean			20.0 2011
Lowest annual mean			8.38 2009
Highest daily mean	513 Dec 2	513 Dec 2	513 Dec 2, 2012
Lowest daily mean	0.00 Aug 15	0.00 Oct 1	0.00 Oct 1, 2007
Annual seven-day minimum	0.00 Aug 15	0.00 Oct 1	0.00 Aug 1, 2008
Maximum peak flow		2,080 Dec 2	2,080 Dec 2, 2012
Maximum peak stage		11.38 Dec 2	11.38 Dec 2, 2012
Annual runoff (ac-ft)	14,360	7,610	9,540
10 percent exceeds	54	19	33
50 percent exceeds	1.8	1.7	1.9
90 percent exceeds	0.00	0.00	0.00



11475610 Cahto Creek near Laytonville, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--October 2007 to current year.

WATER TEMPERATURE: October 2007 to current year.

INSTRUMENTATION.--Water-quality monitor since Oct. 1, 2007.

REMARKS.--Records rated excellent except for Nov. 24 to Dec. 13, which are rated good. Interruptions in record are due to malfunction of recording and (or) sensing equipment or no flow.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 23.8°C, July 29, 2009, July 4, 2013; minimum recorded, 0.0°C, Dec. 17, 2008, Jan. 16, 17, 2012.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum recorded, 23.8°C, July 4; minimum recorded, 3.0°C, Jan. 14.

TEMPERATURE, WATER, DEGREES CELSIUS
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	---	---	---	12.1	11.1	11.5	11.0	10.4	10.7	7.4	5.7	6.8
2	---	---	---	11.8	10.6	11.0	11.8	9.2	10.6	7.2	5.5	6.5
3	---	---	---	12.3	10.8	11.6	9.9	8.7	9.2	7.4	5.4	6.4
4	---	---	---	11.9	10.0	11.3	9.9	9.1	9.5	7.3	6.4	6.8
5	---	---	---	11.6	9.7	10.9	11.4	9.9	10.8	7.1	6.3	6.7
6	---	---	---	11.4	9.6	10.6	10.7	8.8	10.1	7.3	6.4	6.7
7	---	---	---	10.9	8.8	10.2	8.8	7.5	8.2	7.8	6.2	6.7
8	---	---	---	10.2	8.0	8.7	8.3	7.0	7.7	7.8	6.6	7.3
9	---	---	---	8.3	7.2	7.6	8.4	7.1	7.7	8.1	6.4	7.4
10	---	---	---	7.2	5.9	6.5	8.5	7.3	8.0	6.4	5.2	5.8
11	---	---	---	6.5	5.1	5.8	8.5	7.5	8.0	6.4	5.2	5.6
12	---	---	---	8.1	5.6	6.4	8.1	6.9	7.5	6.0	4.3	5.0
13	---	---	---	9.6	8.1	8.8	6.9	5.8	6.2	5.0	3.2	4.1
14	---	---	---	9.9	8.9	9.2	7.0	5.8	6.1	4.6	3.0	3.7
15	---	---	---	9.6	8.0	8.8	6.0	4.6	5.6	4.8	3.2	3.8
16	---	---	---	9.8	8.6	9.2	7.4	4.6	5.6	---	3.5	---
17	---	---	---	10.4	9.1	9.8	8.8	7.4	8.1	5.2	---	---
18	---	---	---	9.1	7.8	8.5	7.5	6.2	6.8	5.2	3.5	4.3
19	---	---	---	9.6	8.5	9.1	7.0	5.4	6.1	5.1	3.4	4.3
20	---	---	---	11.1	9.6	10.5	7.5	6.3	7.0	5.0	3.2	4.2
21	---	---	---	10.6	8.7	10.2	8.6	6.9	8.3	5.0	3.1	4.0
22	---	---	---	8.8	7.3	8.0	8.5	7.3	8.0	5.4	3.3	4.1
23	10.1	7.8	9.4	8.5	6.4	7.3	9.2	6.9	8.3	6.4	5.2	6.0
24	10.2	9.0	9.3	8.1	5.8	7.0	8.6	7.7	8.3	7.5	6.3	6.9
25	10.3	9.0	9.5	8.5	6.6	7.2	8.3	6.7	7.5	8.3	7.4	7.8
26	10.2	7.5	8.7	8.6	7.1	7.6	8.7	6.8	8.0	8.1	6.3	7.4
27	11.2	8.8	9.6	8.6	6.6	7.5	8.7	7.2	7.7	6.3	4.6	5.4
28	12.0	9.7	10.4	9.6	8.1	9.1	7.8	7.2	7.5	6.4	4.6	5.3
29	12.5	10.8	11.2	10.9	9.1	9.5	7.9	6.8	7.2	6.6	4.6	5.4
30	12.4	10.7	11.3	11.1	10.4	10.7	7.2	5.7	6.6	6.4	4.3	5.3
31	12.0	11.6	11.8	---	---	---	7.4	5.5	6.6	6.2	4.2	5.1
Max	---	---	---	12.3	11.1	11.6	11.8	10.4	10.8	---	---	---
Min	---	---	---	6.5	5.1	5.8	6.0	4.6	5.6	---	---	---

11475610 Cahto Creek near Laytonville, CA—Continued

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

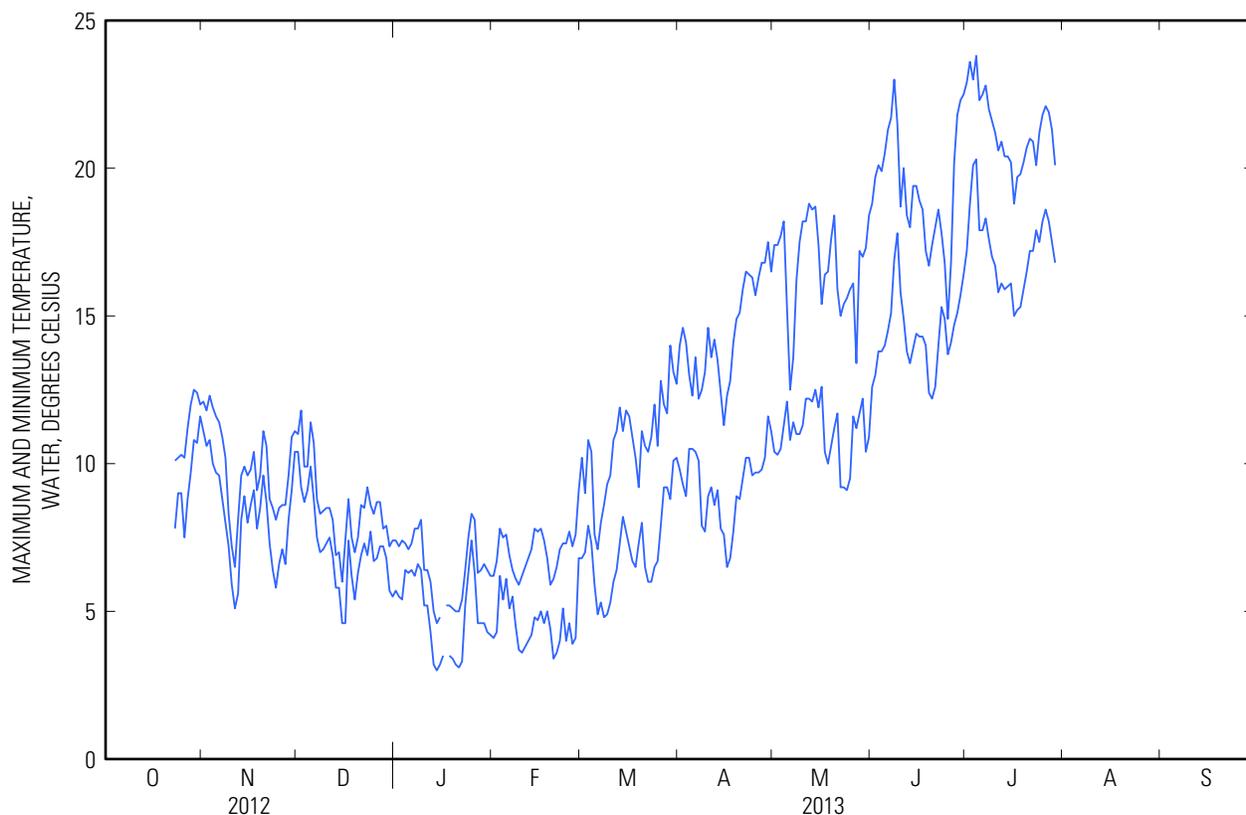
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	6.2	4.1	5.1	10.2	6.8	7.8	14.0	9.8	10.7	17.4	10.4	12.6
2	6.7	4.3	5.3	9.0	7.0	8.2	14.6	9.3	10.8	17.4	10.3	12.9
3	7.8	6.2	6.5	10.8	7.9	8.5	14.1	8.9	10.9	17.7	10.5	12.9
4	7.5	5.4	6.4	10.4	7.3	8.0	13.0	10.5	11.5	18.2	11.3	13.7
5	7.6	6.1	6.4	7.6	5.9	6.8	12.3	10.5	11.2	15.3	12.1	13.4
6	6.9	5.1	5.9	7.1	4.9	6.3	13.6	10.4	11.4	12.5	10.8	11.8
7	6.4	5.5	5.8	8.0	5.3	6.4	12.2	10.1	11.0	13.6	11.4	12.1
8	6.1	4.5	5.3	8.6	4.8	6.4	12.5	7.9	9.7	16.2	11.0	12.1
9	5.9	3.7	4.8	9.3	4.9	6.6	13.1	7.7	9.6	17.5	11.0	12.8
10	6.2	3.6	4.7	9.6	5.3	6.7	14.6	8.9	10.7	18.2	11.3	13.4
11	6.5	3.8	5.0	10.8	6.0	7.5	13.6	9.2	11.0	18.2	12.2	14.2
12	6.8	4.0	5.2	11.1	6.4	8.1	14.2	8.6	10.5	18.8	12.2	14.6
13	7.1	4.2	5.4	11.9	7.3	8.9	13.5	9.1	10.5	18.6	12.1	14.5
14	7.8	4.8	6.0	11.1	8.2	9.4	12.4	7.8	9.8	18.7	12.5	14.6
15	7.7	4.7	6.2	11.8	7.7	9.1	11.3	7.6	9.0	17.4	11.9	14.1
16	7.8	5.0	6.3	11.6	7.2	9.2	12.3	6.5	8.3	15.4	12.6	13.5
17	7.4	4.6	6.0	10.9	6.7	8.7	12.8	6.8	8.9	16.4	10.4	12.5
18	6.8	5.0	5.8	10.2	6.5	8.4	14.1	7.7	9.8	16.5	10.0	12.3
19	5.9	4.4	5.1	9.2	7.3	8.3	14.9	8.9	11.0	17.6	10.6	12.7
20	6.1	3.4	4.4	11.1	8.0	9.1	15.1	8.8	11.2	18.4	11.2	13.8
21	6.5	3.6	4.6	10.6	6.5	8.4	15.9	9.5	11.9	15.9	11.7	13.4
22	7.1	4.0	5.3	10.4	6.0	7.9	16.5	10.2	12.6	15.0	9.2	11.8
23	7.3	5.1	6.1	10.9	6.0	7.8	16.4	10.2	12.7	15.4	9.2	11.3
24	7.3	4.0	5.3	12.0	6.5	8.2	16.3	9.6	12.2	15.6	9.1	11.5
25	7.7	4.6	5.7	10.6	6.7	8.6	15.7	9.7	12.1	15.9	9.5	11.9
26	7.2	3.9	5.4	12.8	7.9	9.1	16.3	9.7	11.8	16.1	11.6	12.7
27	7.6	4.1	5.5	12.0	9.2	10.0	16.8	9.8	12.4	13.4	11.2	12.2
28	9.1	6.8	7.6	11.7	9.2	10.1	16.8	10.2	12.7	17.2	11.7	12.7
29	---	---	---	14.0	8.8	10.1	17.5	11.6	13.5	17.0	12.2	13.6
30	---	---	---	13.1	10.1	11.2	16.5	11.1	13.1	17.3	10.4	12.9
31	---	---	---	12.7	10.2	10.9	---	---	---	18.4	10.9	13.5
Max	9.1	6.8	7.6	14.0	10.2	11.2	17.5	11.6	13.5	18.8	12.6	14.6
Min	5.9	3.4	4.4	7.1	4.8	6.3	11.3	6.5	8.3	12.5	9.1	11.3

11475610 Cahto Creek near Laytonville, CA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
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	18.8	12.6	15.1	22.9	17.2	19.8	---	---	---	---	---	---
2	19.7	13.0	15.7	23.6	18.8	20.6	---	---	---	---	---	---
3	20.1	13.8	16.7	23.0	20.1	21.6	---	---	---	---	---	---
4	19.9	13.8	16.7	23.8	20.3	21.4	---	---	---	---	---	---
5	20.5	14.0	16.8	22.3	17.9	20.1	---	---	---	---	---	---
6	21.3	14.5	17.4	22.5	17.9	19.8	---	---	---	---	---	---
7	21.7	15.1	18.2	22.8	18.3	20.1	---	---	---	---	---	---
8	23.0	16.9	19.6	22.0	17.6	19.8	---	---	---	---	---	---
9	21.5	17.8	19.6	21.6	17.0	19.3	---	---	---	---	---	---
10	18.7	15.8	17.4	21.2	16.7	18.9	---	---	---	---	---	---
11	20.0	14.9	16.7	20.6	15.8	18.2	---	---	---	---	---	---
12	18.4	13.8	16.6	20.9	16.1	18.4	---	---	---	---	---	---
13	18.0	13.4	15.9	20.4	15.9	18.1	---	---	---	---	---	---
14	19.4	13.9	16.3	20.4	16.0	18.2	---	---	---	---	---	---
15	19.4	14.4	17.0	20.2	16.1	18.2	---	---	---	---	---	---
16	18.9	14.3	16.8	18.8	15.0	17.3	---	---	---	---	---	---
17	18.6	14.3	16.6	19.7	15.2	16.7	---	---	---	---	---	---
18	17.2	14.0	15.9	19.8	15.3	17.5	---	---	---	---	---	---
19	16.7	12.4	14.9	20.2	15.9	18.1	---	---	---	---	---	---
20	17.4	12.2	14.7	20.7	16.5	18.8	---	---	---	---	---	---
21	18.0	12.6	15.2	21.0	17.2	19.4	---	---	---	---	---	---
22	18.6	14.0	16.1	20.9	17.2	19.3	---	---	---	---	---	---
23	17.8	15.3	16.6	20.1	17.9	19.2	---	---	---	---	---	---
24	16.8	14.9	15.3	21.2	17.5	19.0	---	---	---	---	---	---
25	14.9	13.7	14.3	21.8	18.2	20.0	---	---	---	---	---	---
26	16.8	14.1	14.8	22.1	18.6	20.4	---	---	---	---	---	---
27	20.2	14.7	15.3	21.9	18.2	20.4	---	---	---	---	---	---
28	21.8	15.1	17.1	21.3	17.5	19.9	---	---	---	---	---	---
29	22.3	15.7	18.3	20.1	16.8	18.7	---	---	---	---	---	---
30	22.5	16.4	19.3	---	---	---	---	---	---	15.9	13.2	14.7
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	23.0	17.8	19.6	---	---	---	---	---	---	---	---	---
Min	14.9	12.2	14.3	---	---	---	---	---	---	---	---	---

11475610 Cahto Creek near Laytonville, CA—Continued



WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
 [ft, feet; °C, degrees Celsius]

Sample date-time	Temperature, water, °C (00010)	Depth to bottom at sample location, ft (81903)	Sampling depth, ft (00003)	Stream width, ft (00004)	Location in cross section, distance from left bank looking downstream, ft (00009)	Sample purpose (71999)	Sampling method (82398)
04-30-2013 1207	12.7	0.42	0.22	17.0	1.55	X-sec variation	Point sample
04-30-2013 1208	12.8	1.02	.51	17.0	3.10	X-sec variation	Point sample
04-30-2013 1209	12.8	1.00	.50	17.0	4.65	X-sec variation	Point sample
04-30-2013 1210	12.8	.94	.47	17.0	6.20	X-sec variation	Point sample
04-30-2013 1211	12.8	.91	.45	17.0	7.75	X-sec variation	Point sample
04-30-2013 1212	12.8	.69	.35	17.0	9.30	X-sec variation	Point sample
04-30-2013 1213	12.8	.78	.39	17.0	10.8	X-sec variation	Point sample
04-30-2013 1214	12.8	.83	.41	17.0	12.4	X-sec variation	Point sample
04-30-2013 1215	12.8	.60	.30	17.0	14.0	X-sec variation	Point sample
04-30-2013 1216	12.8	.40	.20	17.0	15.5	X-sec variation	Point sample

Note: Instantaneous discharge at median time of cross section: Apr. 30, 2.68 ft³/s.