

Water-Data Report 2007

11475800 South Fork Eel River at Leggett, CA

Eel River Basin

LOCATION.--Lat 39°52'29", long 123°43'10" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.3, T.23 N., R.17 W., Mendocino County, CA, Hydrologic Unit 18010106, Mt. Diablo Meridian, on right bank, near Standish Hickey State Park, 0.2 mi upstream from Rock Creek, and 0.7 mi northwest of Leggett.

DRAINAGE AREA.--248 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1965 to June 1995, October 1997 to April 1999 (seasonal). July 1995 to September 1997, October 2004 to June 2007 (stage only). October 1999 to September 2004, July to September 2007.

CHEMICAL ANALYSES: Water year 1977.

WATER TEMPERATURE: Water year 1966 to June 1979.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 684.72 ft above NGVD of 1929. Prior to July 29, 1988, at datum 8.60 ft higher. July 30, 1988, to July 28, 2003, at datum 6.60 ft higher. Datum lowered July 28, 2003 due to channel scour.

REMARKS.--No regulation or diversion upstream from station. See schematic diagram of Eel River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,700 ft³/s, Jan. 4, 1966, gage height, 27.4 ft, from floodmarks, present datum, from rating curve extended above 21,000 ft³/s, on basis of slope-area measurement at gage height 28.13 ft; minimum daily, 7.3 ft³/s, Aug. 4-6, 12, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 22, 1964, reached a stage of 28.13 ft, from floodmarks, present datum, discharge, 78,700 ft³/s, by slope-area measurement of peak flow.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

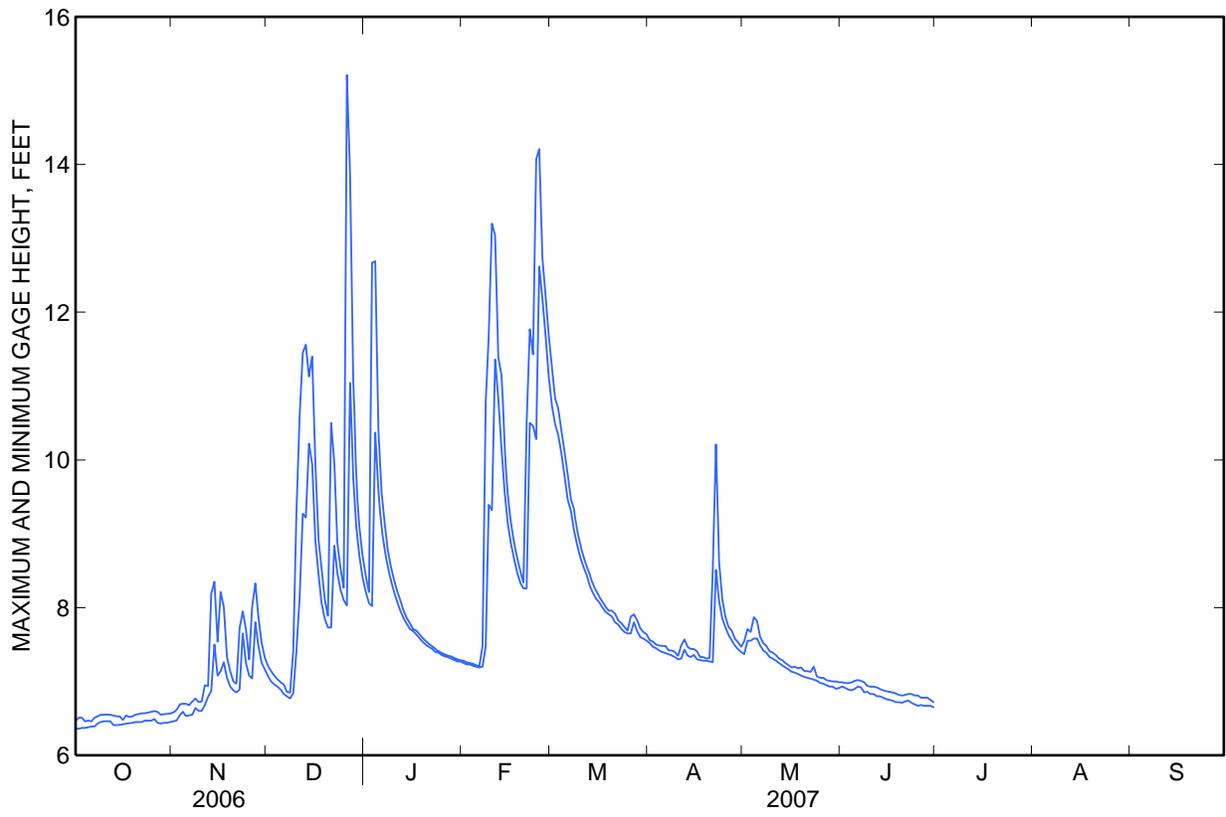
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	6.47	6.36	6.58	6.46	7.21	7.07	8.42	8.21	7.28	7.25	11.25	10.73
2	6.51	6.36	6.62	6.47	7.14	7.00	8.21	8.06	7.26	7.23	10.83	10.48
3	6.51	6.37	6.69	6.54	7.08	6.96	12.67	8.02	7.25	7.23	10.70	10.34
4	6.46	6.37	6.70	6.59	7.03	6.93	12.69	10.37	7.24	7.21	10.40	10.09
5	6.47	6.38	6.70	6.53	6.99	6.89	10.40	9.56	7.22	7.20	10.11	9.78
6	6.46	6.39	6.68	6.54	6.96	6.83	9.56	9.12	7.21	7.19	9.80	9.46
7	6.51	6.39	6.73	6.55	6.86	6.80	9.13	8.78	7.48	7.20	9.47	9.31
8	6.53	6.43	6.77	6.64	6.85	6.77	8.78	8.54	10.79	7.48	9.34	9.05
9	6.55	6.45	6.72	6.60	7.41	6.84	8.55	8.36	11.69	9.39	9.05	8.85
10	6.55	6.46	6.73	6.60	9.28	7.41	8.37	8.21	13.20	9.32	8.86	8.68
11	6.55	6.46	6.95	6.68	10.58	8.13	8.22	8.08	13.04	11.36	8.69	8.55
12	6.55	6.46	6.94	6.79	11.45	9.27	8.09	7.95	11.39	10.83	8.56	8.44
13	6.54	6.41	8.19	6.87	11.56	9.22	7.96	7.86	11.15	10.16	8.45	8.29
14	6.53	6.41	8.35	7.50	11.13	10.22	7.86	7.78	10.18	9.56	8.32	8.20
15	6.53	6.41	7.54	7.08	11.40	9.94	7.79	7.71	9.57	9.15	8.23	8.12
16	6.48	6.42	8.21	7.14	9.95	8.90	7.71	7.68	9.16	8.87	8.15	8.07
17	6.54	6.43	8.01	7.26	8.92	8.45	7.69	7.64	8.88	8.66	8.08	8.00
18	6.52	6.43	7.33	7.05	8.53	8.06	7.64	7.58	8.66	8.47	8.01	7.94
19	6.53	6.44	7.14	6.93	8.11	7.85	7.59	7.54	8.50	8.33	7.96	7.91
20	6.55	6.45	7.00	6.88	7.89	7.73	7.55	7.50	8.34	8.26	7.96	7.88
21	6.56	6.45	6.97	6.85	10.50	7.73	7.51	7.47	10.50	8.26	7.92	7.80
22	6.57	6.45	7.72	6.89	9.96	8.84	7.48	7.44	11.77	10.50	7.83	7.77
23	6.57	6.47	7.95	7.65	8.88	8.47	7.44	7.40	11.43	10.46	7.79	7.71
24	6.58	6.47	7.71	7.25	8.53	8.24	7.41	7.39	14.07	10.28	7.74	7.67
25	6.59	6.47	7.30	7.08	8.27	8.10	7.39	7.36	14.21	12.62	7.69	7.65
26	6.60	6.49	8.01	7.04	15.21	8.03	7.37	7.34	12.73	12.18	7.88	7.65
27	6.59	6.44	8.33	7.80	13.86	11.04	7.35	7.33	12.22	11.68	7.91	7.80
28	6.55	6.43	7.86	7.47	11.06	9.75	7.34	7.31	11.68	11.12	7.83	7.68
29	6.56	6.44	7.52	7.25	9.77	9.09	7.32	7.29	---	---	7.72	7.60
30	6.56	6.44	7.32	7.16	9.10	8.69	7.30	7.27	---	---	7.67	7.58
31	6.57	6.45	---	---	8.70	8.40	7.29	7.27	---	---	7.64	7.55
Month	6.60	6.36	8.35	6.46	15.21	6.77	12.69	7.27	14.21	7.19	11.25	7.55

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	7.56	7.52	7.55	7.37	6.99	6.93	---	---	---	---	---	---
2	7.54	7.47	7.71	7.55	6.98	6.91	---	---	---	---	---	---
3	7.50	7.45	7.67	7.55	6.98	6.89	---	---	---	---	---	---
4	7.49	7.42	7.87	7.58	6.99	6.88	---	---	---	---	---	---
5	7.48	7.40	7.82	7.58	7.01	6.90	---	---	---	---	---	---
6	7.48	7.38	7.61	7.49	7.02	6.93	---	---	---	---	---	---
7	7.42	7.37	7.52	7.42	7.01	6.92	---	---	---	---	---	---
8	7.42	7.35	7.48	7.39	6.99	6.85	---	---	---	---	---	---
9	7.40	7.33	7.41	7.33	6.94	6.86	---	---	---	---	---	---
10	7.35	7.30	7.39	7.31	6.93	6.83	---	---	---	---	---	---
11	7.49	7.31	7.36	7.28	6.93	6.83	---	---	---	---	---	---
12	7.57	7.43	7.31	7.25	6.92	6.80	---	---	---	---	---	---
13	7.47	7.35	7.29	7.22	6.90	6.80	---	---	---	---	---	---
14	7.44	7.33	7.25	7.19	6.88	6.78	---	---	---	---	---	---
15	7.44	7.36	7.22	7.16	6.87	6.76	---	---	---	---	---	---
16	7.41	7.30	7.19	7.13	6.86	6.75	---	---	---	---	---	---
17	7.33	7.29	7.20	7.12	6.85	6.74	---	---	---	---	---	---
18	7.33	7.28	7.18	7.10	6.84	6.72	---	---	---	---	---	---
19	7.31	7.28	7.19	7.08	6.82	6.72	---	---	---	---	---	---
20	7.32	7.27	7.14	7.06	6.81	6.71	---	---	---	---	---	---
21	8.51	7.26	7.14	7.05	6.82	6.73	---	---	---	---	---	---
22	10.21	8.51	7.13	7.04	6.83	6.74	---	---	---	---	---	---
23	8.61	8.08	7.20	7.02	6.83	6.71	---	---	---	---	---	---
24	8.11	7.85	7.07	7.01	6.81	6.69	---	---	---	---	---	---
25	7.87	7.73	7.05	6.98	6.81	6.67	---	---	---	---	---	---
26	7.74	7.63	7.05	6.97	6.78	6.68	---	---	---	---	---	---
27	7.69	7.55	7.02	6.95	6.78	6.67	---	---	---	---	---	---
28	7.58	7.49	7.01	6.93	6.78	6.67	---	---	---	---	---	---
29	7.53	7.43	7.00	6.93	6.75	6.67	---	---	---	---	---	---
30	7.47	7.40	7.00	6.90	6.72	6.65	---	---	---	---	---	---
31	---	---	6.99	6.91	---	---	---	---	---	---	---	---
Month	10.21	7.26	7.87	6.90	7.02	6.65	---	---	---	---	---	---

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11475800 South Fork Eel River at Leggett, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	47	27	19
2	---	---	---	---	---	---	---	---	---	47	26	18
3	---	---	---	---	---	---	---	---	---	46	26	18
4	---	---	---	---	---	---	---	---	---	44	25	18
5	---	---	---	---	---	---	---	---	---	43	25	18
6	---	---	---	---	---	---	---	---	---	42	25	18
7	---	---	---	---	---	---	---	---	---	39	26	18
8	---	---	---	---	---	---	---	---	---	38	26	19
9	---	---	---	---	---	---	---	---	---	36	26	18
10	---	---	---	---	---	---	---	---	---	37	25	18
11	---	---	---	---	---	---	---	---	---	37	25	18
12	---	---	---	---	---	---	---	---	---	39	25	18
13	---	---	---	---	---	---	---	---	---	39	25	18
14	---	---	---	---	---	---	---	---	---	39	24	19
15	---	---	---	---	---	---	---	---	---	38	24	18
16	---	---	---	---	---	---	---	---	---	37	23	18
17	---	---	---	---	---	---	---	---	---	38	23	18
18	---	---	---	---	---	---	---	---	---	45	23	18
19	---	---	---	---	---	---	---	---	---	44	24	18
20	---	---	---	---	---	---	---	---	---	42	24	18
21	---	---	---	---	---	---	---	---	---	40	24	18
22	---	---	---	---	---	---	---	---	---	38	23	18
23	---	---	---	---	---	---	---	---	---	37	22	17
24	---	---	---	---	---	---	---	---	---	36	21	17
25	---	---	---	---	---	---	---	---	---	34	21	17
26	---	---	---	---	---	---	---	---	---	32	21	16
27	---	---	---	---	---	---	---	---	---	31	20	15
28	---	---	---	---	---	---	---	---	---	30	20	15
29	---	---	---	---	---	---	---	---	---	30	20	16
30	---	---	---	---	---	---	---	---	---	29	19	14
31	---	---	---	---	---	---	---	---	---	29	19	---
Total	---	---	---	---	---	---	---	---	---	1,183	727	526
Mean	---	---	---	---	---	---	---	---	---	38.2	23.5	17.5
Max	---	---	---	---	---	---	---	---	---	47	27	19
Min	---	---	---	---	---	---	---	---	---	29	19	14
Ac-ft	---	---	---	---	---	---	---	---	---	2,350	1,440	1,040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	64.4	691	1,651	2,317	2,167	1,742	821	304	125	48.6	28.5	27.9
Max	272	4,050	6,072	7,278	7,294	5,515	3,528	1,140	630	129	65.4	87.8
(WY)	(1980)	(1974)	(1984)	(1970)	(1986)	(1983)	(1982)	(2003)	(1993)	(1993)	(1993)	(1986)
Min	12.3	40.2	32.9	98.1	137	147	78.4	59.5	26.7	9.96	9.67	10.7
(WY)	(2002)	(1994)	(1977)	(1977)	(1977)	(1988)	(1977)	(1977)	(1977)	(1977)	(1977)	(1992)

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SUMMARY STATISTICS

	Water Years 1966 - 2007	
Annual mean	795	
Highest annual mean	1,778	1983
Lowest annual mean	69.5	1977
Highest daily mean	49,800	Jan 4, 1966
Lowest daily mean	7.3	Aug 4, 1977
Annual seven-day minimum	7.5	Jul 31, 1977
Maximum peak flow	72,700	Jan 4, 1966
Maximum peak stage	27.40	Jan 4, 1966
Annual runoff (ac-ft)	575,800	
10 percent exceeds	2,050	
50 percent exceeds	139	
90 percent exceeds	21	

