

13337000 LOCHSA RIVER NEAR LOWELL, ID

Clearwater Basin
Lochsa Subbasin

LOCATION.--Lat 46°09'03", long 115°35'14" referenced to North American Datum of 1983, in SW ¼ SW ¼ SE ¼ sec.33, T.33 N., R.7 E., Idaho County, ID, Hydrologic Unit 17060303, Lowell quad., Clearwater National Forest, on right bank 0.7 mi upstream from Lowell, 0.9 mi upstream from confluence with Selway River, 1.2 mi downstream from Pete King Creek, and 19 mi east of Kooskia.

DRAINAGE AREA.--1,178 mi², Mean elevation, 5,250 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1910 to September 1912, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1317.

REVISED RECORDS.--WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,452.98 ft above NGVD of 1929. Prior to Nov. 21, 1930, nonrecording gages at site 1 mi upstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,100 ft³/s June 8, 1964, gage height, 13.50 ft, from rating curve extended above 17,000 ft³/s; minimum, probably less than 100 ft³/s Jan. 8, 1937, during period of ice effect.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 14	0345	*22,100	*10.73

Minimum daily discharge, 306 ft³/s, Oct. 4.

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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	314	1,500	2,340	979	1,260	1,030	3,120	5,610	5,940	2,380	609	389
2	312	1,730	3,440	e820	1,280	1,160	3,840	5,120	5,970	2,210	817	372
3	307	1,550	4,280	e670	1,210	1,830	4,520	5,140	6,470	2,050	817	370
4	306	1,330	3,180	e580	1,160	1,750	5,100	5,150	6,300	1,900	693	378
5	311	1,250	3,580	e800	1,150	1,520	6,290	5,660	6,050	1,770	634	395
6	319	1,190	3,660	e980	1,160	1,410	7,480	6,970	6,490	1,650	599	547
7	324	1,210	3,130	1,020	1,140	1,420	7,490	8,650	6,900	1,540	578	459
8	328	1,250	2,790	1,020	1,090	1,310	6,710	10,800	7,120	1,470	554	408
9	329	1,160	2,370	1,090	1,070	1,250	5,680	12,800	6,700	1,430	535	388
10	326	1,060	2,270	1,260	1,030	1,220	5,100	14,400	6,250	1,330	525	384
11	324	949	2,170	1,060	987	1,220	5,150	15,600	5,620	1,260	531	377
12	321	904	2,030	e840	965	1,240	4,680	16,900	5,150	1,200	525	362
13	350	920	1,900	e750	978	1,270	4,790	19,100	5,190	1,150	542	347
14	410	967	1,720	e830	1,000	1,410	4,420	20,000	4,900	1,100	499	339
15	502	965	1,680	e930	964	1,650	4,030	15,700	4,240	1,050	475	331
16	1,100	898	1,630	e860	975	1,990	3,700	13,100	3,870	1,000	457	338
17	1,120	873	1,580	e780	1,100	2,270	3,440	11,300	3,720	975	443	341
18	693	1,040	1,510	e780	1,080	2,130	3,280	10,500	3,680	930	438	459
19	533	1,020	1,390	e780	1,030	1,960	3,270	9,290	3,850	889	427	548
20	817	1,260	1,320	e780	1,010	1,950	3,870	8,540	4,800	852	417	448
21	971	2,700	1,370	e780	985	2,170	3,990	8,740	4,080	819	406	400
22	695	2,420	1,360	e770	963	2,040	3,900	9,420	3,460	789	399	377
23	601	1,810	1,350	e780	1,020	1,910	3,660	8,230	3,110	757	413	397
24	552	1,690	1,290	e1,000	954	1,770	3,500	7,430	3,050	732	410	457
25	517	1,670	1,240	1,110	935	1,690	3,570	6,820	3,380	706	402	654
26	506	1,440	1,190	1,210	930	1,680	3,900	6,390	3,380	681	413	719
27	500	1,210	1,190	1,140	904	1,680	4,570	6,490	3,110	658	410	620
28	872	1,230	1,170	1,060	901	1,760	5,920	6,720	2,880	640	405	579
29	2,820	1,340	1,080	1,020	---	2,020	7,190	7,000	2,700	625	430	758
30	3,450	1,710	991	1,030	---	2,360	6,480	7,230	2,550	610	412	1,480
31	1,950	---	1,060	1,090	---	2,650	---	6,610	---	601	404	---
Total	22,780	40,246	61,261	28,599	29,231	52,720	142,640	301,410	140,910	35,754	15,619	14,421
Mean	735	1,342	1,976	923	1,044	1,701	4,755	9,723	4,697	1,153	504	481
Max	3,450	2,700	4,280	1,260	1,280	2,650	7,490	20,000	7,120	2,380	817	1,480
Min	306	873	991	580	901	1,030	3,120	5,120	2,550	601	399	331
Ac-ft	45,180	79,830	121,500	56,730	57,980	104,600	282,900	597,800	279,500	70,920	30,980	28,600
Cfsm	0.62	1.14	1.68	0.78	0.89	1.44	4.04	8.25	3.99	0.98	0.43	0.41
In.	0.72	1.27	1.93	0.90	0.92	1.66	4.50	9.52	4.45	1.13	0.49	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	724	1,075	1,201	1,109	1,269	1,832	4,833	10,070	8,297	2,175	664	549
Max	3,476	4,942	6,183	4,245	5,132	5,250	10,750	17,290	19,710	6,098	1,462	1,602
(WY)	(1960)	(1996)	(1996)	(1934)	(1996)	(1934)	(1934)	(1997)	(1974)	(1975)	(1975)	(1968)
Min	261	289	330	251	325	597	1,732	5,293	2,226	734	326	278
(WY)	(1988)	(1953)	(1953)	(1937)	(1937)	(1955)	(2008)	(1941)	(1987)	(1931)	(1940)	(1988)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1911 - 2013	
Annual total	1,167,737		885,591			
Annual mean	3,191		2,426		2,819	
Highest annual mean					4,498 1996	
Lowest annual mean					1,495 1977	
Highest daily mean	20,100	Apr 27	20,000	May 14	31,900	May 29, 1948
Lowest daily mean	306	Oct 4	306	Oct 4	110	Nov 28, 1952
Annual seven-day minimum	312	Sep 30	313	Oct 1	156	Nov 25, 1952
Annual runoff (ac-ft)	2,316,000		1,757,000		2,042,000	
Annual runoff (cfsm)	2.71		2.06		2.39	
Annual runoff (inches)	36.88		27.97		32.51	
10 percent exceeds	9,020		6,340		8,090	
50 percent exceeds	1,310		1,210		1,120	
90 percent exceeds	380		409		425	

