

13336500 SELWAY RIVER NEAR LOWELL, ID

Clearwater Basin
Lower Selway Subbasin

LOCATION.--Lat 46°05'12", long 115°30'50" referenced to North American Datum of 1983, in NW ¼ SE ¼ NE ¼ sec.25, T.32 N., R.7 E., Idaho County, ID, Hydrologic Unit 17060302, Goddard Point quad., Nez Perce National Forest, on right bank 0.2 mi upstream from O'Hara Creek, 7 mi upstream from Lowell, 7.6 mi upstream from confluence with Lochsa River, and 105.2 mi upstream from mouth of Clearwater River.

DRAINAGE AREA.--1,915 mi², Mean elevation, 5,640 ft.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1911 to September 1912 (gage heights or fragmentary discharge records only), October 1929 to current year. Monthly discharge only for October 1929, published in WSP 1317.

REVISED RECORDS.--WSP 1043: Drainage area. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,540 ft above NGVD of 1929, from river-profile map. Apr. 11 to Sept. 2, 1911, recording gage at site 2 mi downstream at different datum. Feb. 7 to Sept. 22, 1912, and Oct. 14 to Nov. 19, 1930, nonrecording gages at nearby sites at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry and crest-stage gage. Small diversions from headwaters.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,900 ft³/s May 29, 1948, gage height, 16.04 ft; 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 18,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 14	0430	*30,000	*11.88

Minimum daily discharge, 421 ft³/s, Oct. 3, 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	435	1,780	1,810	979	1,280	1,130	3,980	6,310	8,120	3,000	767	501
2	429	1,880	2,300	e820	1,340	1,270	4,910	5,830	8,380	2,750	1,060	480
3	421	1,720	2,960	e690	1,270	1,700	5,760	5,980	9,310	2,550	1,000	482
4	421	1,510	2,340	e600	1,230	1,790	6,310	6,010	9,000	2,360	840	498
5	431	1,440	3,050	e820	1,210	1,620	7,660	6,810	8,680	2,180	773	526
6	443	1,410	3,300	e1,000	1,220	1,520	8,480	8,820	9,680	2,020	737	636
7	449	1,400	2,780	e1,000	1,200	1,480	8,230	11,600	10,500	1,890	709	595
8	453	1,380	2,500	e1,000	1,160	1,400	7,320	14,800	11,100	1,780	681	524
9	452	1,340	2,090	e1,100	1,140	1,360	6,310	17,400	10,200	1,690	662	497
10	448	1,240	2,050	e1,150	1,100	1,330	5,710	19,500	9,550	1,600	692	492
11	444	1,130	2,060	e1,000	1,060	1,360	5,650	20,700	8,410	1,520	691	479
12	441	1,060	1,960	e800	1,030	1,400	5,130	22,000	7,710	1,480	671	459
13	471	1,100	1,830	e670	1,040	1,460	5,170	25,300	7,870	1,430	663	445
14	552	1,140	1,650	e780	1,070	1,650	4,800	25,800	7,040	1,350	637	462
15	604	1,120	1,630	e930	1,050	2,030	4,440	20,600	5,950	1,290	608	509
16	972	1,050	1,580	e880	1,060	2,530	4,110	17,500	5,390	1,230	583	482
17	1,070	1,050	1,540	e820	1,170	2,810	3,820	15,700	5,220	1,210	565	481
18	748	1,160	1,480	e800	1,150	2,550	3,650	14,300	5,200	1,170	557	592
19	629	1,160	1,330	e800	1,130	2,320	3,570	12,600	5,390	1,100	546	667
20	991	1,260	1,260	e800	1,120	2,270	4,000	11,600	5,920	1,050	530	599
21	1,110	2,620	1,390	e800	1,080	2,560	4,060	12,000	5,020	1,010	519	528
22	806	2,320	1,370	e800	1,060	2,460	4,000	12,700	4,290	978	511	501
23	712	1,740	1,320	e820	1,100	2,310	3,740	11,100	3,900	939	525	574
24	674	1,640	1,280	e1,000	1,050	2,140	3,600	10,000	3,840	902	528	701
25	641	1,640	1,240	e1,150	1,020	2,020	3,690	9,060	4,060	872	517	1,020
26	636	1,440	1,190	1,280	1,020	2,010	4,090	8,610	4,010	843	520	1,010
27	628	1,220	1,200	1,200	996	1,990	4,950	9,100	3,930	813	513	906
28	1,070	1,300	1,180	1,110	987	2,090	6,530	9,440	3,670	790	519	797
29	3,000	1,420	1,100	1,090	---	2,420	7,910	9,840	3,440	773	547	1,010
30	3,680	1,460	1,020	1,100	---	2,820	7,230	10,100	3,240	757	557	2,420
31	2,170	---	1,090	1,150	---	3,320	---	9,010	---	743	544	---
Total	26,431	43,130	54,880	28,939	31,343	61,120	158,810	400,120	198,020	44,070	19,772	19,873
Mean	853	1,438	1,770	934	1,119	1,972	5,294	12,910	6,601	1,422	638	662
Max	3,680	2,620	3,300	1,280	1,340	3,320	8,480	25,800	11,100	3,000	1,060	2,420
Min	421	1,050	1,020	600	987	1,130	3,570	5,830	3,240	743	511	445
Ac-ft	52,430	85,550	108,900	57,400	62,170	121,200	315,000	793,600	392,800	87,410	39,220	39,420
Cfsm	0.45	0.75	0.92	0.49	0.58	1.03	2.76	6.74	3.45	0.74	0.33	0.35
In.	0.51	0.84	1.07	0.56	0.61	1.19	3.08	7.77	3.85	0.86	0.38	0.39

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	943	1,309	1,395	1,282	1,523	2,259	5,995	13,250	11,760	3,105	910	742
Max	4,932	5,696	7,441	3,710	6,647	6,240	13,210	22,430	24,370	8,990	1,968	2,174
(WY)	(1960)	(1996)	(1996)	(1934)	(1996)	(1934)	(1934)	(1949)	(1974)	(1975)	(1975)	(1968)
Min	366	399	456	325	420	692	2,098	7,624	2,948	918	441	403
(WY)	(1988)	(1937)	(1953)	(1937)	(1937)	(1955)	(1973)	(2010)	(1987)	(1934)	(1934)	(1934)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1911 - 2013	
Annual total	1,446,245		1,086,508			
Annual mean	3,951		2,977		3,713	
Highest annual mean					6,159	1996
Lowest annual mean					2,096	1973
Highest daily mean	25,200	Apr 27	25,800	May 14	45,300	May 29, 1948
Lowest daily mean	421	Oct 3	421	Oct 3	150	Nov 28, 1952
Annual seven-day minimum	432	Sep 29	433	Oct 1	210	Jan 1, 1937
Annual runoff (ac-ft)	2,869,000		2,155,000		2,690,000	
Annual runoff (cfsm)	2.06		1.55		1.94	
Annual runoff (inches)	28.09		21.11		26.35	
10 percent exceeds	11,200		8,390		10,900	
50 percent exceeds	1,480		1,280		1,390	
90 percent exceeds	510		527		570	

