

13338500 SOUTH FORK CLEARWATER RIVER AT STITES, ID

Clearwater Basin
South Fork Clearwater Subbasin

LOCATION.--Lat 46°05'11", long 115°58'36" referenced to North American Datum of 1983, in NE ¼ SE ¼ NE ¼ sec.29, T.32 N., R.4 E., Idaho County, ID, Hydrologic Unit 17060305, Stites quad., on left bank at Stites, 0.4 mi upstream from county road bridge, 0.4 mi downstream from Cottonwood Creek, and at mile 4.0.

DRAINAGE AREA.--1,168 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1910 to April 1912, October 1964 to current year. Published as "at Kooskia," 1910-12.

REVISED RECORDS.--WSP 1317: Drainage area. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,311.99 ft above NGVD of 1929. October 1910 to April 1912, nonrecording gage 3.6 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station equipment includes satellite telemetry. No regulation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft³/s Jun. 8, 2011, gage height, 9.34 ft; minimum daily, 44 ft³/s Dec. 9, 2009; minimum gage height, 2.39 ft, Nov. 30, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 8, 1964, reached a stage of 10.3 ft, from floodmarks, present site and datum, discharge, 17,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 27	0145	*5,640	*6.65
Jun 5	2230	4,050	5.95
Jun 10	0530	3,900	5.88

Minimum discharge, 90 ft³/s, Dec. 23

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	150	260	242	357	246	405	3,160	2,930	1,780	1,070	302	134
2	145	239	208	318	245	381	2,200	2,450	2,040	1,020	293	131
3	142	200	199	303	235	364	1,780	2,180	2,240	972	288	129
4	146	210	166	283	210	362	1,680	2,140	1,970	908	278	127
5	167	225	e160	265	202	365	1,610	2,250	2,940	842	270	126
6	243	212	e105	261	196	409	1,470	1,960	3,540	794	262	126
7	342	194	e190	245	206	356	1,310	1,800	2,590	757	253	126
8	458	184	e210	233	211	354	1,210	1,780	2,350	724	246	127
9	329	209	e170	225	236	370	1,140	1,880	2,790	682	236	126
10	252	170	e120	228	226	378	1,160	1,960	3,630	658	228	123
11	291	168	e127	210	231	418	1,370	1,790	3,010	622	220	121
12	490	201	e155	e125	254	486	1,880	1,710	2,620	584	212	120
13	327	237	e180	e120	253	522	2,020	1,710	2,760	549	204	121
14	257	230	e175	e180	247	532	1,870	1,800	2,440	543	196	123
15	253	228	e180	e220	241	570	1,800	1,990	2,190	703	189	123
16	299	198	e183	e190	225	1,530	1,670	2,210	2,040	715	185	123
17	403	178	e181	e180	224	1,470	1,860	2,350	1,960	758	177	120
18	317	252	e179	e190	233	1,230	2,080	2,170	1,990	715	170	119
19	258	234	e176	e220	232	1,060	2,400	1,920	1,900	602	166	120
20	235	213	e170	e300	220	864	2,470	1,790	1,730	519	161	118
21	226	191	e160	e320	243	948	2,750	1,810	1,570	473	158	117
22	241	218	e110	e300	612	1,120	3,040	2,890	1,530	441	157	117
23	245	243	e90	e280	1,290	1,140	3,510	3,030	1,560	418	153	117
24	251	279	e110	e250	969	1,080	4,100	2,640	1,490	398	148	116
25	312	297	e165	278	894	999	4,220	2,360	1,420	384	146	117
26	276	254	e200	287	705	2,130	4,370	1,990	1,480	373	144	118
27	240	223	e210	282	525	1,840	4,850	1,930	1,520	361	144	118
28	228	240	e220	241	456	1,630	3,600	2,080	1,250	350	145	117
29	218	249	284	263	449	1,580	2,980	1,910	1,160	341	141	119
30	218	241	403	255	---	1,640	2,750	1,830	1,110	325	136	123
31	219	---	487	257	---	2,690	---	1,740	---	312	136	---
Total	8,178	6,677	5,915	7,666	10,716	29,223	72,310	64,980	62,600	18,913	6,144	3,662
Mean	264	223	191	247	370	943	2,410	2,096	2,087	610	198	122
Max	490	297	487	357	1,290	2,690	4,850	3,030	3,630	1,070	302	134
Min	142	168	90	120	196	354	1,140	1,710	1,110	312	136	116
Ac-ft	16,220	13,240	11,730	15,210	21,260	57,960	143,400	128,900	124,200	37,510	12,190	7,260
Cfsm	0.23	0.19	0.16	0.21	0.32	0.81	2.06	1.79	1.79	0.52	0.17	0.10
In.	0.26	0.21	0.19	0.24	0.34	0.93	2.30	2.07	1.99	0.60	0.20	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	272	342	413	491	581	935	2,014	3,177	2,484	772	275	231
Max	677	893	2,365	1,665	2,211	2,387	3,549	5,528	5,706	2,063	528	473
(WY)	(1976)	(1969)	(1976)	(1969)	(1996)	(1978)	(1978)	(1976)	(1975)	(1975)	(1975)	(1968)
Min	108	139	167	144	227	312	780	947	463	274	123	114
(WY)	(1988)	(1988)	(1988)	(1988)	(1994)	(1977)	(2008)	(1992)	(1992)	(2007)	(2007)	(1987)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1912 - 2012	
Annual total	546,215		296,984			
Annual mean	1,496		811		998	
Highest annual mean					1,711	1976
Lowest annual mean					451	1992
Highest daily mean	11,800	Jun 8	4,850	Apr 27	11,800	Jun 8, 2011
Lowest daily mean	90	Dec 23	90	Dec 23	44	Dec 9, 2009
Annual seven-day minimum	140	Dec 19	117	Sep 20	53	Dec 4, 2009
Annual runoff (ac-ft)	1,083,000		589,100		722,900	
Annual runoff (cfsm)	1.28		0.695		0.854	
Annual runoff (inches)	17.40		9.46		11.61	
10 percent exceeds	4,710		2,180		2,650	
50 percent exceeds	618		288		426	
90 percent exceeds	174		130		175	

