13309220 MIDDLE FORK SALMON RIVER AT MIDDLE FORK LODGE NEAR YELLOW PINE, ID

Salmon Basin
Upper Middle Fork Salmon Subbasin

LOCATION.--Lat 44°43′18″, long 115°00′59″ referenced to North American Datum of 1983, in SW ¼ NW ¼ SW ¼ sec.16, T.16 N., R.12 E., Valley County, ID, Hydrologic Unit 17060205, Little Soldier Mountain quad., Boise National Forest, on left bank at Middle Fork Lodge, 300 ft upstream from Middle Fork Lodge bridge, 0.4 mi upstream from Thomas Creek, 1.8 mi downstream from Marble Creek, 29 mi southeast of Yellow Pine, and at mile 61.0.

DRAINAGE AREA.--1,042 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1973 to September 1981, March 1999 to current year.

REVISED RECORDS.--WDR-ID-00-2: 1999. WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,380 ft above NGVD of 1929, from topographic map. Prior to March 1999, gage was at site 600 ft downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft^3/s June 16, 1974, gage height, 10.80 ft, datum then in use; minimum daily, 190 ft^3/s Dec. 24, 25, 2001, Jan. 29, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 14	0415	*9,210	*6.54
Sep 30	1400	4,080	4.26

Minimum daily discharge, 460 ft^3/s, Jan. 12.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 13309220, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/13309220.2013.pdf

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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	647	950	1,090	e527	612	568	1,360	2,810	2,960	1,470	727	540
2	645	949	1,720	e530	577	558	1,540	2,650	3,010	1,420	750	536
3	636	865	1,820	e532	559	603	1,910	2,790	3,000	1,410	714	552
4	636	809	1,360	e560	605	542	2,080	2,980	2,960	1,320	693	580
5	638	785	1,530	e573	627	536	2,290	3,180	2,960	1,260	677	579
6	637	765	1,560	e657	603	616	2,420	3,660	3,040	1,220	662	643
7	639	751	1,300	e613	565	580	2,310	4,340	3,110	1,170	650	578
8	643	763	1,130	e655	588	548	2,050	5,230	3,150	1,130	643	550
9	642	777	919	e647	586	555	1,800	6,150	3,030	1,090	655	541
10	641	715	974	e645	564	565	1,680	6,720	2,930	1,060	655	538
11	638	599	961	e624	486	613	1,640	7,200	2,800	1,030	645	529
12	635	624	933	e460	570	614	1,690	7,280	2,610	1,030	641	521
13	637	719	814	e480	612	646	1,810	8,060	2,530	993	641	537
14	643	698	838	e550	577	721	1,660	8,680	2,440	960	626	577
15	640	655	847	e585	548	804	1,600	7,980	2,300	934	609	562
16	794	669	808	e595	560	887	1,480	7,010	2,090	924	594	547
17	875	686	818	596	611	902	1,370	6,430	1,970	978	581	533
18	721	752	e675	594	536	808	1,320	5,940	1,890	919	576	541
19	682	726	e584	605	605	736	1,350	5,310	1,900	879	569	557
20	741	724	e652	594	589	809	1,370	4,710	1,960	853	562	542
21	735	925	e699	596	515	830	1,440	4,470	1,850	829	558	530
22	693	911	e689	602	599	752	1,480	4,350	1,800	807	558	523
23	690	733	e679	e605	577	663	1,440	4,050	1,690	791	585	541
24	643	792	e676	e624	542	664	1,440	3,760	1,630	781	586	572
25	667	792	e639	e617	528	687	1,580	3,490	1,720	770	597	678
26	630	641	e645	e629	546	734	1,910	3,370	2,180	766	594	668
27	653	581	e673	e618	526	709	2,480	3,400	2,120	755	577	617
28	729	687	e646	e612	557	722	3,140	3,380	1,780	744	577	606
29	1,390	744	e549	622	---	810	3,610	3,520	1,640	726	586	1,090
30	1,330	867	e572	617	---	917	3,240	3,300	1,540	716	565	3,180
31	1,060	---	e518	615	---	1,130	---	3,060	---	707	547	---
Total	22,630	22,654	28,318	18,379	15,970	21,829	56,490	149,260	70,590	30,442	19,200	20,088
Mean	730	755	913	593	570	704	1,883	4,815	2,353	982	619	670
Max	1,390	950	1,820	657	627	1,130	3,610	8,680	3,150	1,470	750	3,180
Min	630	581	518	460	486	536	1,320	2,650	1,540	707	547	521
Ac-ft	44,890	44,930	56,170	36,450	31,680	43,300	112,000	296,100	140,000	60,380	38,080	39,840
Cfsm	0.70	0.72	0.88	0.57	0.55	0.68	1.81	4.62	2.26	0.94	0.59	0.64
In.	0.81	0.81	1.01	0.66	0.57	0.78	2.02	5.33	2.52	1.09	0.69	0.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	596	609	532	503	475	602	1,518	4,467	4,581	1,637	773	616
Max	835	1,145	913	1,075	719	1,019	3,573	8,361	13,130	4,455	1,439	859
(WY)	(1976)	(1974)	(2013)	(1974)	(1974)	(2007)	(2012)	(2006)	(1974)	(1974)	(1974)	(1974)
Min	412	408	373	353	347	405	584	957	1,038	493	354	365
(WY)	(2002)	(1980)	(2002)	(2002)	(2002)	(2002)	(1979)	(1977)	(2001)	(1977)	(1977)	(2001)

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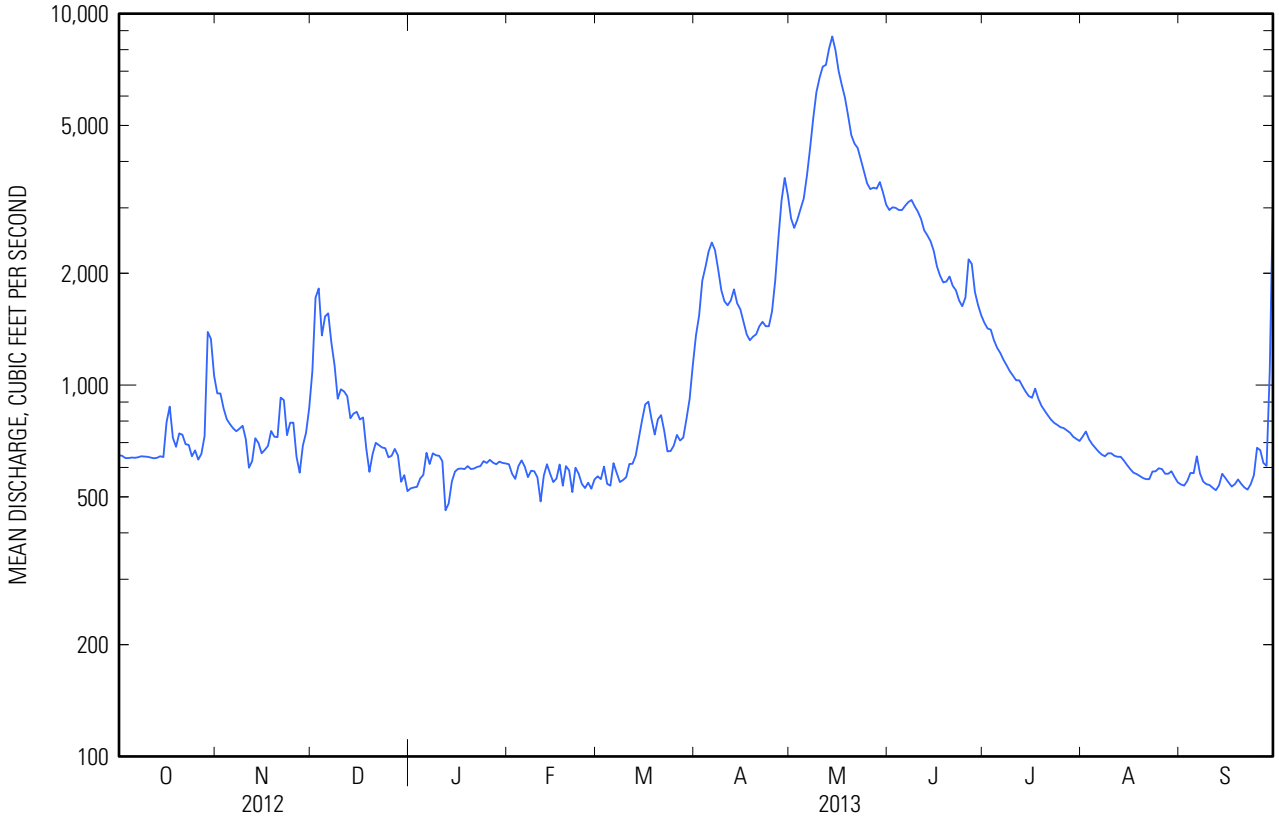
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1973 - 2013	
Annual total	687,295		475,850			
Annual mean	1,878		1,304		1,413	
Highest annual mean					2,697	1974
Lowest annual mean					581	1977
Highest daily mean	11,000	Apr 27	8,680	May 14	20,700	Jun 16, 1974
Lowest daily mean	420	Jan 28	460	Jan 12	190	Dec 24, 2001
Annual seven-day minimum	469	Feb 14	538	Sep 17	260	Sep 9, 1977
Annual runoff (ac-ft)	1,363,000		943,800		1,023,000	
Annual runoff (cfsm)	1.80		1.25		1.36	
Annual runoff (inches)	24.54		16.99		18.42	
10 percent exceeds	5,120		3,000		3,670	
50 percent exceeds	817		721		638	
90 percent exceeds	519		554		412