

Water-Data Report 2006

12388200 JOCKO RIVER AT DIXON, MT

Pend Oreille Basin
Lower Flathead Subbasin

LOCATION.--Lat 47°18'43", long 114°17'48" referenced to North American Datum of 1927, in NW ¼ NW ¼ NE ¼ sec.20, T.18 N., R.21 W., Sanders County, MT, Hydrologic Unit 17010212, Flathead Indian Reservation, on right bank 38 ft downstream from State Highway 212 bridge, 0.8 mi east of Dixon, and at river mile 0.8.

DRAINAGE AREA.--380 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1990 to current year. Miscellaneous measurements made at this site 1977 and 1987 water years.

GAGE.--Water-stage recorder. Elevation of gage is 2,521.87 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Records are good except those for estimated daily discharges, which are poor. Some regulation and diversion occurs upstream from the gage for irrigation. Several unpublished observations of water temperature and specific conductance were made during the year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	208	203	e150	190	157	141	156	507	601	369	180	175
2	225	207	e155	185	156	135	166	466	598	354	178	174
3	215	196	e155	179	155	134	167	435	779	343	179	171
4	228	190	e155	174	153	135	179	403	781	328	178	170
5	210	186	e150	170	153	132	199	381	715	313	178	177
6	202	184	e145	167	151	132	383	376	668	303	180	176
7	197	183	e134	167	147	136	528	393	652	306	181	172
8	195	186	e128	169	149	135	456	404	697	285	184	166
9	193	181	e120	165	149	133	418	389	737	273	190	165
10	191	178	e125	168	143	131	395	363	927	266	189	162
11	189	178	e123	183	130	129	374	348	964	258	194	160
12	187	180	e127	176	129	129	353	344	844	242	189	159
13	185	178	e130	170	132	128	369	353	802	230	188	161
14	183	185	e126	174	135	128	392	378	876	216	185	167
15	183	179	e127	185	129	130	435	460	973	214	185	182
16	180	176	e128	180	125	129	489	594	1,420	205	184	217
17	178	176	e124	177	e123	128	458	773	1,320	198	190	202
18	176	173	e120	183	e121	129	405	908	1,080	192	190	191
19	175	172	e113	177	e123	129	363	1,040	928	194	185	191
20	177	169	e120	173	e129	128	338	1,110	813	192	182	207
21	183	166	e128	170	e132	127	330	1,090	737	190	179	202
22	183	165	e134	166	e133	126	362	998	674	188	177	208
23	182	162	e134	165	e132	126	404	962	597	187	175	199
24	179	162	e131	163	e130	128	404	937	548	184	174	193
25	179	160	e134	161	e128	132	393	877	521	180	176	189
26	177	163	e133	159	e124	150	383	818	487	176	177	187
27	188	164	e140	159	128	145	377	767	438	181	174	185
28	187	161	e157	158	138	144	354	784	414	183	171	184
29	185	159	e190	156	---	147	379	699	397	179	169	182
30	182	e155	191	156	---	157	464	674	391	178	169	181
31	181	---	189	159	---	154	---	621	---	179	172	---
Total	5,883	5,277	4,316	5,284	3,834	4,167	10,873	19,652	22,379	7,286	5,602	5,455
Mean	190	176	139	170	137	134	362	634	746	235	181	182
Max	228	207	191	190	157	157	528	1,110	1,420	369	194	217
Min	175	155	113	156	121	126	156	344	391	176	169	159
Ac-ft	11,670	10,470	8,560	10,480	7,600	8,270	21,570	38,980	44,390	14,450	11,110	10,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	185	174	157	137	134	148	224	433	566	257	168	181
Max	233	227	265	190	208	246	390	1,303	1,537	512	222	244
(WY)	(2005)	(1996)	(1996)	(2005)	(1996)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(2004)
Min	138	138	123	102	108	118	130	203	149	140	131	137
(WY)	(2004)	(1995)	(1993)	(1995)	(1993)	(1994)	(1995)	(1992)	(1992)	(1994)	(1994)	(2003)

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1991 - 2006	
Annual total	109,065		100,008			
Annual mean	299		274		230	
Highest annual mean					445	1997
Lowest annual mean					157	1992
Highest daily mean	1,890	Jun 4	1,420	Jun 16	2,540	May 18, 1997
Lowest daily mean	113	Dec 19	113	Dec 19	74	Feb 2, 1996
Annual seven-day minimum	123	Dec 14	123	Dec 14	82	Jan 3, 1995
Maximum peak flow			1,650	Jun 16	2,710	May 17, 1997
Maximum peak stage			3.77	Jun 16	4.68	May 17, 1997
Annual runoff (ac-ft)	216,300		198,400		166,900	
10 percent exceeds	651		599		390	
50 percent exceeds	190		181		172	
90 percent exceeds	148		130		122	

