12472600 CRAB CREEK NEAR BEVERLY, WA

LOCATION.--Lat 46°49'48", long 119°49'48", in NW $^1/_4$ SW $^1/_4$ sec. 33, T.16 N., R.24 E., Grant County, Hydrologic Unit 17020015, on right bank 4.9 mi east of Beverly, and at mile 4.5.

DRAINAGE AREA.--4,842 mi^2, of which 665 mi^2 in the vicinity of Soap Lake is noncontributing.

PERIOD OF RECORD.--February 1959 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 500 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except those below 130 ft^3/s, which are poor. Many diversions upstream from station for irrigation. Flow largely regulated by Potholes Reservoir 41.3 mi upstream. A major portion of flow is return flows, including transbasin diversions, from parts of the Columbia Basin project. Chemical analyses water years 1959-72, 1975-80. Daily water temperatures August 1959 to September 1962, July 1968 to August 1970.

AVERAGE DISCHARGE.--42 years (water years 1960-99, 2002), 201 ft^3/s, 145,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 936 ft^3/s Mar. 3, 1980, gage height, 6.46 ft; minimum discharge, 10 ft^3/s Jan. 10, 1963, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 337 ft^3/s Sept. 25, gage height, 3.66 ft; minimum discharge, 93 ft^3/s Sept. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	322	241	175	186	148	228	271	202	209	203	261
2	264	300	235	188	191	149	199	270	202	209	215	253
3	254	285	236	200	178	149	213	252	202	170	223	261
4	258	281	225	197	172	148	227	244	200	179	229	268
5	258	274	218	190	170	150	215	243	187	200	244	289
6	249	265	220	187	188	154	203	239	167	225	204	295
7	277	252	217	188	181	160	197	263	159	228	197	295
8	293	244	210	190	207	166	195	281	161	213	226	300
9	307	237	198	188	203	162	193	279	185	204	226	309
10	317	233	193	184	197	150	209	270	204	206	220	322
11	315	227	192	182	188	152	235	255	251	179	204	332
12	319	220	179	178	176	154	230	244	207	174	208	319
13	303	218	181	174	171	154	229	234	191	167	229	311
14	277	220	186	169	173	150	234	211	195	147	220	313
15	273	197	186	166	171	139	232	219	199	135	165	313
16	280	187	192	167	175	130	231	219	199	103	184	314
17	293	220	190	169	164	132	230	221	187	162	186	320
18	310	227	188	165	159	126	237	228	207	149	191	318
19	311	163	185	168	174	121	232	250	236	144	197	330
20	290	234	183	178	178	120	231	267	231	142	206	317
21	287	193	185	207	166	116	238	279	200	140	209	303
22	305	232	183	220	181	114	246	260	188	150	185	303
23	313	218	179	194	166	116	245	219	190	158	199	316
24	333	207	175	183	168	116	241	226	206	171	219	330
25	332	208	172	178	161	127	241	234	199	159	236	336
26	314	210	171	180	155	131	247	259	183	143	241	326
27	302	210	171	178	152	136	253	263	174	139	257	305
28	300	213	172	174	153	166	261	251	161	179	273	294
29	305	231	173	168	---	218	268	240	175	190	273	292
30	317	244	176	170	---	226	269	224	191	198	273	280
31	328	---	174	186	---	225	---	204	---	191	269	---
TOTAL	9153	6972	5986	5641	4904	4605	6909	7619	5839	5363	6811	9125
MEAN	295	232	193	182	175	149	230	246	195	173	220	304
MAX	333	322	241	220	207	226	269	281	251	228	273	336
MIN	249	163	171	165	152	114	193	204	159	103	165	253
AC-FT	18150	13830	11870	11190	9730	9130	13700	15110	11580	10640	13510	18100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2002, BY WATER YEAR (WY)

MEAN	264	203	184	180	187	169	193	189	181	181	210	253
MAX	365	310	274	307	358	409	335	297	301	284	303	364
(WY)	1996	1974	1974	1997	1984	1980	1984	1997	1997	1997	1997	1997
MIN	64.4	64.8	58.4	61.9	71.8	55.0	51.6	50.8	48.4	32.5	48.9	66.9
(WY)	1961	1961	1961	1961	1962	1960	1959	1960	1959	1959	1959	1961

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1959 - 2002	
ANNUAL TOTAL	73746		78927			
ANNUAL MEAN	202		216		201	
HIGHEST ANNUAL MEAN					293	1997
LOWEST ANNUAL MEAN					62.2	1961
HIGHEST DAILY MEAN	333	Oct 24	336	Sep 25	848	Mar 3 1980
LOWEST DAILY MEAN	105	Mar 22	103	Jul 16	14	Aug 2 1962
ANNUAL SEVEN-DAY MINIMUM	115	Mar 19	118	Mar 18	20	Jul 28 1962
ANNUAL RUNOFF (AC-FT)	146300		156600		145500	
10 PERCENT EXCEEDS	274		301		302	
50 PERCENT EXCEEDS	188		207		204	
90 PERCENT EXCEEDS	150		155		80	