

Figure 56. Location of surface-water stations in the Entiat, Wenatchee, and Sand Hollow River Basins.

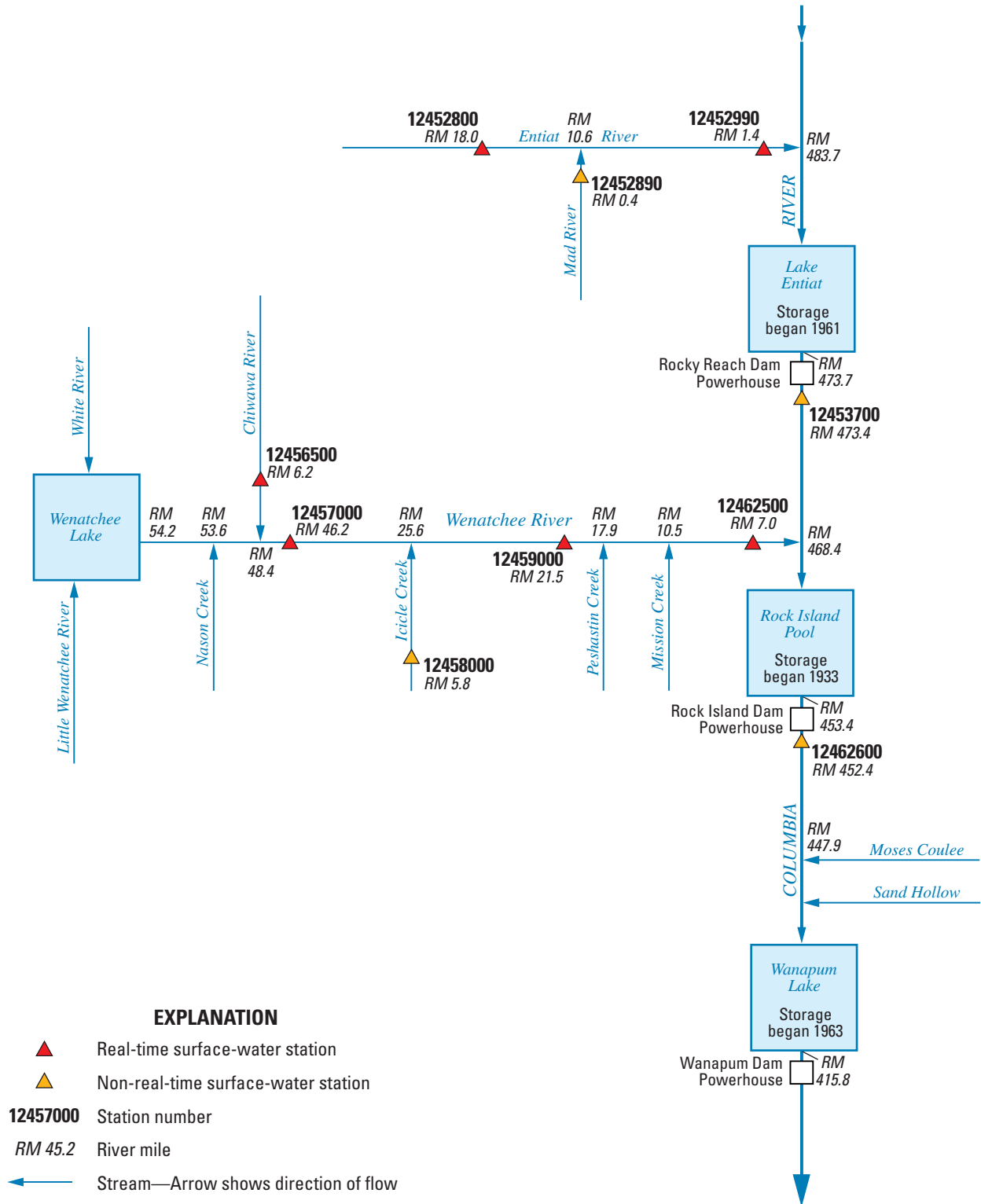


Figure 57. Schematic diagram showing surface-water stations in the Entiat, Wenatchee, and Sand Hollow River Basins.

12452800 ENTIAT RIVER NEAR ARDENVOIR, WA

LOCATION.--Lat 47°49'07", long 120°25'19", in NE¹/₄NE¹/₄ sec.27, T.27 N., R.19 E., Chelan County, Hydrologic Unit 17020010, on left bank 0.5 mi downstream from Stormy Creek, 6.0 mi northwest of Ardenvoir, and at mile 18.0.

DRAINAGE AREA.--203 mi².

PERIOD OF RECORD.--September 1957 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,560.97 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station. Water temperature July 1968 to September 1970.

AVERAGE DISCHARGE.--48 years (water years 1958-2005), 372 ft³/s, 24.89 in/yr, 269,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,430 ft³/s, June 10, 1972, gage height, 8.98 ft; minimum discharge, 20 ft³/s, Nov. 24, 25, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,750 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 10	1015	*1,830	*4.94	No other peak greater than base discharge.			

Minimum daily discharge, 40 ft³/s, Jan. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	76	73	114	345	148	160	617	827	303	111	56
2	79	112	67	107	327	148	156	587	712	277	107	56
3	78	129	86	88	313	146	152	573	648	261	102	56
4	76	96	92	e60	312	144	151	584	619	244	98	55
5	75	97	86	e40	300	144	145	614	624	239	96	53
6	74	91	83	58	277	144	144	665	562	254	95	52
7	76	106	82	83	273	150	153	711	502	257	94	51
8	74	126	81	92	250	158	155	728	461	232	93	50
9	90	120	80	97	251	166	149	960	429	259	93	50
10	85	117	118	94	242	175	148	1,620	400	223	93	56
11	78	114	311	78	233	179	156	1,530	395	204	90	56
12	75	110	219	85	230	201	151	1,330	390	194	90	54
13	73	107	191	95	220	200	145	1,220	378	191	87	52
14	73	105	175	77	205	198	148	1,200	368	185	85	49
15	72	104	161	63	179	197	146	1,240	354	178	83	48
16	71	102	151	69	179	199	151	1,230	340	185	80	49
17	88	97	145	75	184	196	151	1,070	356	177	80	59
18	118	93	140	e160	180	189	148	966	358	167	85	56
19	99	95	143	551	180	189	149	903	341	167	77	51
20	100	82	144	582	177	190	157	808	338	160	74	49
21	90	86	138	558	168	188	169	737	363	151	73	48
22	88	94	135	514	170	174	205	690	396	150	72	47
23	86	88	119	544	169	174	260	631	377	164	70	47
24	82	87	120	589	165	169	364	586	350	144	67	46
25	80	113	136	565	160	164	474	555	332	135	66	46
26	79	100	142	526	156	168	630	548	320	129	64	45
27	78	91	131	488	150	178	808	578	344	126	60	45
28	77	64	115	450	149	176	830	661	341	124	59	45
29	76	61	122	415	---	167	750	804	316	123	60	44
30	80	79	124	384	---	161	673	968	311	120	60	84
31	77	---	116	368	---	155	---	979	---	115	58	---
TOTAL	2,528	2,942	4,026	8,069	6,144	5,335	8,178	26,893	12,852	5,838	2,522	1,555
MEAN	81.5	98.1	130	260	219	172	273	868	428	188	81.4	51.8
MAX	118	129	311	589	345	201	830	1,620	827	303	111	84
MIN	71	61	67	40	149	144	144	548	311	115	58	44
AC-FT	5,010	5,840	7,990	16,000	12,190	10,580	16,220	53,340	25,490	11,580	5,000	3,080
CFSM	0.40	0.48	0.64	1.28	1.08	0.85	1.34	4.27	2.11	0.93	0.40	0.26
IN.	0.46	0.54	0.74	1.48	1.13	0.98	1.50	4.93	2.36	1.07	0.46	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

	100	127	124	108	115	150	329	1,055	1,404	620	212	111
MEAN												
MAX	292	468	506	308	321	437	753	1,862	2,793	1,589	577	210
(WY)	(1960)	(1996)	(1976)	(1981)	(1996)	(1972)	(1996)	(1958)	(1974)	(1999)	(1999)	(1978)
MIN	51.9	45.3	49.3	47.7	51.3	67.9	93.2	380	428	179	81.4	51.8
(WY)	(1988)	(1994)	(1994)	(1988)	(1993)	(1993)	(1967)	(1977)	(2005)	(1977)	(2005)	(2005)

ENTIAT RIVER BASIN

12452800 ENTIAT RIVER NEAR ARDENVOIR, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	106,743		86,882			
ANNUAL MEAN	292		238		372	
HIGHEST ANNUAL MEAN					621	
LOWEST ANNUAL MEAN					161	
HIGHEST DAILY MEAN	1,350	May 4	1,620	May 10	5,100	Jun 16, 1974
LOWEST DAILY MEAN	45	Jan 5	40	Jan 5	22	Nov 24, 1993
ANNUAL SEVEN-DAY MINIMUM	59	Jan 1	45	Sep 23	32	Nov 22, 1993
ANNUAL RUNOFF (AC-FT)	211,700		172,300		269,400	
ANNUAL RUNOFF (CFSM)	1.44		1.17		1.83	
ANNUAL RUNOFF (INCHES)	19.56		15.92		24.89	
10 PERCENT EXCEEDS	818		586		1,080	
50 PERCENT EXCEEDS	128		148		144	
90 PERCENT EXCEEDS	80		60		65	

e Estimated

ENTIAT RIVER BASIN

12452890 MAD RIVER AT ARDENVOIR, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	32,431		19,178.0			
ANNUAL MEAN	88.6		52.5		76.7	
HIGHEST ANNUAL MEAN					89.5	2004
LOWEST ANNUAL MEAN					52.5	2005
HIGHEST DAILY MEAN	431	May 4	331	May 10	659	May 30, 2002
LOWEST DAILY MEAN	12	Jan 5	9.0	Jan 5	9.0	Jan 5, 2005
ANNUAL SEVEN-DAY MINIMUM	15	Jan 1	17	Jan 2	15	Dec 30, 2003
ANNUAL RUNOFF (AC-FT)	64,330		38,040		55,550	
ANNUAL RUNOFF (CFSM)	0.959		0.569		0.830	
ANNUAL RUNOFF (INCHES)	13.06		7.72		11.27	
10 PERCENT EXCEEDS	268		118		196	
50 PERCENT EXCEEDS	32		37		35	
90 PERCENT EXCEEDS	22		18		20	

e Estimated

12452990 ENTIAT RIVER NEAR ENTIAT, WA

LOCATION.--Lat 47°39'48", long 120°14'58", in NW¼SE¼ sec.18, T.25 N., R.21 E., Chelan County, Hydrologic Unit 17020010, on left bank 200 ft upstream from bridge, 1.2 mi west of Entiat High School, and at mile 1.4.

DRAINAGE AREA.--419 mi².

PERIOD OF RECORD.--March 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 750 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation, but approximately 6 diversions and 50 small pumps divert water for agricultural irrigation upstream from station. U.S. Geological Survey telemeter at station.

AVERAGE DISCHARGE.--9 years (water years 1997-2005), 471 ft³/s, 341,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,600 ft³/s, June 17, 1999, gage height, 11.20 ft; minimum discharge, 56 ft³/s, Jan. 5, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,050 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 10	1245	*2,050	*9.14				

Minimum discharge, 56 ft³/s, Jan. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	109	110	158	443	202	210	730	960	337	124	70
2	95	123	103	150	422	202	208	697	832	317	121	69
3	95	188	126	127	406	200	202	681	759	302	115	68
4	93	141	134	e90	402	197	202	702	721	280	112	73
5	91	131	127	e60	396	197	194	723	728	269	108	71
6	89	128	124	e85	368	199	193	780	684	272	103	68
7	92	131	121	e130	360	202	202	834	611	286	105	68
8	89	158	125	e140	325	218	208	863	561	259	101	66
9	101	155	118	e150	327	224	199	1,130	529	288	99	65
10	111	150	144	145	313	240	197	1,820	493	262	99	71
11	101	148	344	130	305	240	206	1,820	473	240	100	81
12	95	144	276	127	305	259	202	1,600	465	223	99	78
13	93	142	243	138	294	260	197	1,470	449	215	97	74
14	92	140	225	133	276	256	196	1,430	435	210	98	70
15	91	139	208	e100	249	255	194	1,440	423	202	93	67
16	91	138	195	e110	238	251	198	1,460	405	207	89	69
17	107	133	187	e120	237	251	199	1,300	416	203	89	81
18	151	127	183	e200	236	244	195	1,190	422	189	99	86
19	134	129	183	e600	235	246	193	1,130	402	182	91	76
20	145	122	187	687	237	247	200	1,020	392	178	87	70
21	126	113	178	666	225	245	214	936	405	170	87	70
22	122	130	181	634	224	229	244	877	436	168	83	69
23	120	127	157	652	227	230	305	813	427	187	81	69
24	115	123	156	709	225	224	400	767	398	170	82	71
25	112	144	177	688	221	213	520	722	382	155	81	71
26	108	151	185	647	214	218	684	702	368	148	78	69
27	110	132	176	607	205	229	875	719	381	140	76	67
28	109	112	156	562	202	233	946	776	391	137	78	67
29	106	101	160	527	---	219	874	898	360	134	75	66
30	111	115	172	490	---	213	791	1,070	346	134	74	77
31	113	---	161	468	---	203	---	1,090	---	132	73	---
TOTAL	3,304	4,024	5,322	10,230	8,117	7,046	9,848	32,190	15,054	6,596	2,897	2,137
MEAN	107	134	172	330	290	227	328	1,038	502	213	93.5	71.2
MAX	151	188	344	709	443	260	946	1,820	960	337	124	86
MIN	89	101	103	60	202	197	193	681	346	132	73	65
AC-FT	6,550	7,980	10,560	20,290	16,100	13,980	19,530	63,850	29,860	13,080	5,750	4,240
CFSM	0.25	0.32	0.41	0.79	0.69	0.54	0.78	2.48	1.20	0.51	0.22	0.17
IN.	0.29	0.36	0.47	0.91	0.72	0.63	0.87	2.86	1.34	0.59	0.26	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005		
MEAN	161	191	161	179	180	255	591	1,359	1,590	719	257	143
MAX	301	412	316	330	290	385	1,090	2,277	2,674	1,682	655	232
(WY)	(1998)	(2000)	(2000)	(2005)	(2005)	(1997)	(1996)	(1998)	(1999)	(1999)	(1999)	(1997)
MIN	89.4	99.7	101	108	92.1	125	165	673	497	213	93.5	71.2
(WY)	(2002)	(2003)	(2003)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2005)	(2005)	(2005)

ENTIAT RIVER BASIN

12452990 ENTIAT RIVER NEAR ENTIAT, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	138,334		106,765			
ANNUAL MEAN	378		293		471	
HIGHEST ANNUAL MEAN					699	
LOWEST ANNUAL MEAN					209	
HIGHEST DAILY MEAN	1,750	May 4	1,820	May 10	4,810	Jun 17, 1999
LOWEST DAILY MEAN	70	Jan 5	60	Jan 5	58	Dec 12, 2000
ANNUAL SEVEN-DAY MINIMUM	92	Oct 2	68	Sep 3	68	Sep 3, 2005
ANNUAL RUNOFF (AC-FT)	274,400		211,800		341,400	
ANNUAL RUNOFF (CFSM)	0.902		0.698		1.12	
ANNUAL RUNOFF (INCHES)	12.28		9.48		15.28	
10 PERCENT EXCEEDS	1,080		713		1,270	
50 PERCENT EXCEEDS	158		195		206	
90 PERCENT EXCEEDS	109		81		103	

e Estimated

12453700 COLUMBIA RIVER AT ROCKY REACH DAM, WA

LOCATION.--Lat 47°31'28", long 120°18'04", in SW¼NW¼ sec.2, T.23 N., R.20 E., Chelan County, Hydrologic Unit 17020010, on right bank 0.5 mi downstream from Rocky Reach Dam, 1.5 mi downstream from Swakane Creek, 7.4 mi north of Wenatchee, and at mile 473.4.

DRAINAGE AREA.--87,800 mi², approximately.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Daily discharge determined from flow through turbines plus spillway flow when present. Datum of gage is NGVD of 1929. Oct. 1, 1960, to July 22, 1988, water-stage recorder with auxiliary water-stage recorder 1.9 mi downstream from base gage at same datum.

REMARKS.--Flow regulated by numerous reservoirs. Feeder Canal diversion (station 12435500) for Columbia Basin project is used to irrigate approximately 600,000 acres in the United States. An additional 66,500 acres in Canada are irrigated by other diversions.

COOPERATION.--Discharge records provided by Public Utility District No. 1 of Chelan County at Rocky Reach Dam through the Corps of Engineers, North Pacific Division, Reservoir Control Center. The U.S. Geological Survey made 6 discharge measurements at this site during the year.

AVERAGE DISCHARGE.--45 years (water years 1961-2005), 114,000 ft³/s, 82,590,000 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 535,000 ft³/s, June 10, 1961, elevation, about 635.50 ft; minimum daily discharge, 25,100 ft³/s, Nov. 11, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 180,000 ft³/s, May 27; minimum daily discharge, 36,600 ft³/s, Sept. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87,700	85,600	110,000	79,700	87,800	112,000	94,300	82,400	121,000	155,000	114,000	85,400
2	72,800	94,600	108,000	90,400	99,200	118,000	81,500	129,000	121,000	133,000	88,400	68,100
3	56,900	95,400	126,000	128,000	126,000	115,000	75,900	133,000	118,000	92,500	99,200	51,000
4	82,000	94,500	115,000	133,000	120,000	115,000	103,000	117,000	95,500	98,900	122,000	36,600
5	86,200	86,600	83,600	136,000	91,100	77,500	95,200	103,000	76,900	105,000	125,000	52,000
6	96,800	67,900	127,000	122,000	85,800	73,500	60,000	119,000	110,000	140,000	103,000	86,400
7	92,300	58,800	126,000	134,000	130,000	88,600	63,300	110,000	124,000	154,000	102,000	89,700
8	77,900	89,200	101,000	98,200	132,000	101,000	69,200	96,700	133,000	156,000	113,000	83,400
9	60,400	97,500	102,000	104,000	129,000	93,300	64,000	137,000	130,000	124,000	119,000	60,800
10	50,300	96,100	85,500	119,000	117,000	110,000	48,100	145,000	132,000	116,000	112,000	39,000
11	65,300	94,500	89,000	121,000	120,000	96,000	69,300	124,000	97,500	143,000	105,000	45,100
12	88,600	111,000	86,800	128,000	109,000	74,500	111,000	139,000	90,000	152,000	111,000	62,800
13	87,700	86,800	94,900	114,000	79,400	47,700	86,800	139,000	121,000	159,000	83,200	65,200
14	92,300	54,000	101,000	112,000	117,000	104,000	73,900	128,000	136,000	156,000	76,000	68,100
15	63,900	95,100	124,000	130,000	131,000	105,000	74,500	94,000	134,000	154,000	109,000	76,400
16	64,600	102,000	142,000	99,300	135,000	116,000	60,900	127,000	141,000	152,000	119,000	72,400
17	59,000	102,000	141,000	121,000	129,000	107,000	49,800	120,000	131,000	118,000	121,000	41,400
18	99,000	104,000	121,000	90,300	114,000	102,000	73,500	121,000	100,000	143,000	120,000	46,000
19	104,000	114,000	103,000	76,100	81,700	98,300	83,200	127,000	78,400	133,000	116,000	83,000
20	104,000	109,000	132,000	79,400	62,100	72,900	98,700	122,000	143,000	139,000	101,000	88,400
21	89,200	80,300	146,000	84,900	103,000	104,000	102,000	98,500	159,000	144,000	86,500	72,600
22	66,400	107,000	137,000	62,600	103,000	112,000	92,200	105,000	157,000	121,000	111,000	80,200
23	60,500	98,800	120,000	58,500	97,800	107,000	88,000	112,000	151,000	113,000	92,000	66,900
24	70,100	87,400	124,000	97,800	97,900	102,000	69,900	125,000	163,000	103,000	105,000	59,600
25	104,000	43,200	96,000	106,000	84,000	73,400	99,800	133,000	151,000	118,000	106,000	52,800
26	91,800	52,000	87,100	93,900	76,000	67,200	108,000	164,000	122,000	138,000	115,000	79,400
27	83,500	84,400	105,000	93,200	60,900	51,500	104,000	180,000	142,000	139,000	96,100	65,200
28	91,900	95,500	119,000	103,000	100,000	72,700	96,900	111,000	148,000	145,000	74,000	83,000
29	85,200	125,000	123,000	87,300	---	84,800	103,000	79,300	158,000	144,000	97,300	78,400
30	63,000	115,000	110,000	77,200	---	102,000	85,400	106,000	156,000	144,000	105,000	82,800
31	98,400	---	105,000	101,000	---	104,000	---	141,000	---	129,000	115,000	---
TOTAL	2,495,700	2,727,200	3,490,900	3,180,800	2,918,700	2,907,900	2,485,300	3,767,900	3,840,300	4,161,400	3,261,700	2,022,100
MEAN	80,510	90,910	112,600	102,600	104,200	93,800	82,840	121,500	128,000	134,200	105,200	67,400
MAX	104,000	125,000	146,000	136,000	135,000	118,000	111,000	180,000	163,000	159,000	125,000	89,700
MIN	50,300	43,200	83,600	58,500	60,900	47,700	48,100	79,300	76,900	92,500	74,000	36,600
AC-FT	4,950,000	5,409,000	6,924,000	6,309,000	5,789,000	5,768,000	4,930,000	7,474,000	7,617,000	8,254,000	6,470,000	4,011,000
CAL YR	2004	TOTAL	34,609,000	MEAN	94,560	MAX	167,000	MIN	37,700	AC-FT	68,650,000	
WTR YR	2005	TOTAL	37,259,900	MEAN	102,100	MAX	180,000	MIN	36,600	AC-FT	73,910,000	

12456500 CHIWAHA RIVER NEAR PLAIN, WA

LOCATION.--Lat 47°50'15", long 120°39'40", in SE¼ sec.13, T.27 N., R.17 E., Chelan County, Hydrologic Unit 17020011, on right bank 0.75 mi upstream from Goose Creek, 5.3 mi north of Plain, 6.2 mi upstream from mouth, 11 mi northeast of Chiwaukum, and at mile 6.2.

DRAINAGE AREA.--170 mi².

PERIOD OF RECORD.--May 1911 to April 1912, July 1913 to October 1914, August 1936 to November 1949, September 1954 to September 1957, May 1991 to current year. Prior to October 1914 published as Chiwawa Creek near Leavenworth.

REVISED RECORDS.--WSP 1316: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,100 ft above NGVD of 1929 (from river-profile map). May 29, 1911, to Oct. 31, 1914, staff gage at site 3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. U. S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--33 years (water years 1912-14, 1937-49, 1955-57, 1992-2005), 509 ft³/s, 40.66 in/yr, 368,800 acre-ft/yr. Includes discharges for 1912 and 1913, which were estimated for WSP 1316.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,030 ft³/s, Nov. 30, 1995, gage height, 9.36 ft; minimum daily discharge, 45 ft³/s, Feb. 25, Mar. 2-5, 1993.

EXTREMES OUTSIDE PERIOD OF RECORD.--Peak Nov. 25, 1990, was 6,810 ft³/s, gage height, 9.26 ft, from rating curve extended beyond highest measurement of 5,570 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,570 ft³/s, May 10, gage height, 6.10 ft, but may have been higher during period when well was frozen; maximum gage height, 7.18 ft, Jan. 19, from inside highwater mark, backwater from ice; minimum discharge, 69 ft³/s, Sept. 27-29, gage height, 3.78 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	141	191	207	581	202	321	855	951	393	150	92
2	126	247	182	198	535	207	323	822	797	359	145	91
3	123	297	179	184	513	227	306	797	744	330	137	90
4	119	223	176	e170	525	234	300	844	709	308	134	88
5	116	197	175	e145	527	232	289	847	701	305	129	87
6	115	185	170	e145	479	234	285	920	635	340	130	85
7	119	224	166	e160	456	250	314	964	562	339	132	82
8	114	273	164	e158	433	284	322	943	521	301	130	81
9	137	257	158	e155	412	296	315	1,100	483	385	128	81
10	133	242	278	e150	391	325	307	1,460	468	309	127	83
11	123	230	956	e145	375	336	329	1,420	493	276	126	91
12	117	221	657	e140	364	404	323	1,340	477	263	131	86
13	115	211	505	e138	354	397	306	1,280	449	259	125	82
14	112	205	440	e130	343	383	296	1,270	430	247	122	81
15	110	202	391	e116	317	376	293	1,290	408	237	118	79
16	112	197	352	e120	303	376	317	1,300	396	251	116	79
17	156	187	325	e125	294	377	323	1,120	423	242	117	82
18	195	179	307	e500	290	360	307	1,000	443	224	122	80
19	159	179	312	e1,550	282	347	306	966	415	228	112	78
20	153	167	315	e1,510	266	345	319	857	426	214	108	77
21	150	161	297	e1,350	258	348	345	777	472	202	107	75
22	152	158	285	e1,120	256	323	408	741	534	198	109	75
23	154	158	268	e1,100	248	310	504	677	482	212	105	74
24	147	170	258	e1,090	238	299	656	634	445	192	102	73
25	143	343	258	e960	225	288	818	616	432	181	100	73
26	138	299	252	e920	214	297	1,010	641	429	175	98	71
27	133	255	236	847	206	321	1,240	724	441	170	96	70
28	131	222	225	764	203	330	1,270	840	416	165	95	69
29	127	203	220	693	---	320	1,090	1,030	398	165	94	71
30	147	197	218	631	---	314	949	1,220	414	160	96	200
31	150	---	210	608	---	296	---	1,190	---	153	95	---
TOTAL	4,157	6,430	9,126	16,229	9,888	9,638	14,491	30,485	15,394	7,783	3,636	2,526
MEAN	134	214	294	524	353	311	483	983	513	251	117	84.2
MAX	195	343	956	1,550	581	404	1,270	1,460	951	393	150	200
MIN	110	141	158	116	203	202	285	616	396	153	94	69
AC-FT	8,250	12,750	18,100	32,190	19,610	19,120	28,740	60,470	30,530	15,440	7,210	5,010
CFSM	0.79	1.26	1.73	3.08	2.08	1.83	2.84	5.78	3.02	1.48	0.69	0.50
IN.	0.91	1.41	2.00	3.55	2.16	2.11	3.17	6.67	3.37	1.70	0.80	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2005, BY WATER YEAR (WY)

MEAN	174	233	187	161	150	200	619	1,548	1,566	809	276	158
MAX	431	973	768	524	602	488	1,266	2,683	2,840	2,175	899	359
(WY)	(2004)	(1996)	(1996)	(2005)	(1996)	(1992)	(1914)	(1956)	(1999)	(1999)	(1999)	(1954)
MIN	63.5	77.8	80.4	78.4	66.1	91.4	214	826	513	251	106	80.5
(WY)	(1943)	(1937)	(2001)	(1937)	(2001)	(1993)	(1937)	(1944)	(2005)	(2005)	(1941)	(1942)

12456500 CHIWAWA RIVER NEAR PLAIN, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1911 - 2005	
ANNUAL TOTAL	169,660		129,783		502	
ANNUAL MEAN	464		356		783	
HIGHEST ANNUAL MEAN					1956	
LOWEST ANNUAL MEAN					264	
HIGHEST DAILY MEAN	1,910	May 4	1,550	Jan 19	6,050	Nov 30, 1995
LOWEST DAILY MEAN	107	Jan 6	69	Sep 28	45	Feb 25, 1993
ANNUAL SEVEN-DAY MINIMUM	117	Jan 4	72	Sep 23	46	Feb 28, 1993
ANNUAL RUNOFF (AC-FT)	336,500		257,400		363,700	
ANNUAL RUNOFF (CFSM)	2.73		2.09		2.95	
ANNUAL RUNOFF (INCHES)	37.13		28.40		40.12	
10 PERCENT EXCEEDS	1,270		845		1,390	
50 PERCENT EXCEEDS	220		258		203	
90 PERCENT EXCEEDS	136		101		90	

e Estimated

12457000 WENATCHEE RIVER AT PLAIN, WA

LOCATION.--Lat 47°45'47", long 120°39'54", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.26 N., R.17 E., Chelan County, Hydrologic Unit 17020011, on left bank 300 ft downstream from county road bridge at Plain, 0.3 mi downstream from Beaver Creek, 2.2 mi downstream from Chiwawa River, 11.3 mi north of Leavenworth, and at mile 46.2.

DRAINAGE AREA.--591 mi².

PERIOD OF RECORD.--August 1904 to November 1910 estimates of monthly mean discharges are published in Washington State Water-Supply Bulletin No. 5, December 1910 to September 1950 (monthly discharges only for some periods, published in WSP 1316), October 1950 to September 1979, October 1989 to current year. Published as "near Leavenworth" 1911-31.

REVISED RECORDS.--WSP 482: 1911-14. WSP 1316: 1914(M), 1916(M), 1919(M), 1921-23(M), 1927(M).

GAGE.--Water-stage recorder. Elevation of gage is 1,805 ft above NGVD of 1929, from river-profile map. Prior to Jan. 8, 1932, nonrecording gages at site 0.2 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Wenatchee Park Land and Irrigation Company diverts water from the Chiwawa River, upstream from the station for irrigation of 1,400 acres near Plain. Natural regulation by Wenatchee Lake 8.0 mi upstream. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--84 years (water years 1912-79, 1990-2005), 2,254 ft³/s, 51.81 in/yr, 1,633,000 acre-ft/yr. Includes mean discharges for water years 1930 and 1931, which were estimated for WSP 1316. Statistical summary data for water years 1991 to 2003 were computed for the water years 1911-79 and 1990 to the published year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,100 ft³/s, Nov. 30, 1995, gage height, 14.97 ft; minimum discharge, 159 ft³/s, Nov. 4, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,710 ft³/s, Jan. 19, gage height, 7.99 ft; minimum discharge, 190 ft³/s, Sept. 25-29, gage height, 1.22 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	612	793	1,400	1,170	2,650	963	1,140	3,240	3,030	1,170	519	287
2	587	1,480	1,280	1,110	2,470	961	1,180	3,040	2,600	1,090	495	288
3	565	2,300	1,200	1,040	2,360	956	1,150	2,900	2,330	1,030	470	285
4	548	1,940	1,150	979	2,360	945	1,140	2,960	2,140	955	450	279
5	533	1,680	1,110	879	2,490	937	1,090	2,950	2,040	924	440	265
6	523	1,500	1,050	853	2,320	939	1,080	3,120	1,940	951	432	257
7	539	1,460	1,010	877	2,170	969	1,130	3,220	1,740	1,030	436	252
8	528	1,570	1,020	887	2,030	1,090	1,190	3,090	1,610	959	434	248
9	583	1,540	983	882	1,900	1,170	1,200	3,310	1,510	1,110	433	250
10	641	1,470	1,590	853	1,790	1,330	1,180	4,280	1,440	1,050	440	258
11	638	1,390	5,710	819	1,710	1,400	1,210	4,430	1,440	953	435	269
12	608	1,310	5,800	811	1,640	1,570	1,210	4,190	1,420	901	429	259
13	582	1,240	4,300	785	1,570	1,610	1,180	3,990	1,350	860	423	246
14	564	1,190	3,420	738	1,510	1,560	1,150	3,870	1,310	811	422	237
15	547	1,160	3,070	666	1,400	1,500	1,110	3,940	1,250	791	420	233
16	542	1,150	2,660	679	1,330	1,470	1,150	4,120	1,200	797	416	226
17	638	1,100	2,340	711	1,270	1,460	1,190	3,660	1,230	784	413	229
18	814	1,060	2,130	e3,500	1,230	1,390	1,160	3,220	1,280	764	413	225
19	808	1,030	2,100	e9,030	1,200	1,320	1,160	3,110	1,240	750	401	221
20	820	973	2,140	8,850	1,170	1,290	1,200	2,870	1,240	726	382	217
21	822	931	2,010	7,690	1,120	1,280	1,310	2,620	1,310	685	377	208
22	840	906	1,870	6,430	1,080	1,210	1,560	2,450	1,440	669	379	207
23	888	906	1,740	6,340	1,060	1,160	1,990	2,280	1,410	695	366	198
24	880	1,030	1,640	6,190	1,030	1,110	2,600	2,110	1,340	662	338	195
25	836	2,650	1,590	5,340	1,010	1,070	3,310	2,010	1,280	624	328	194
26	794	2,850	1,550	4,720	988	1,090	3,970	2,010	1,250	596	322	191
27	762	2,330	1,460	4,160	973	1,160	4,590	2,180	1,250	577	314	191
28	737	1,950	1,370	3,700	964	1,180	4,750	2,440	1,240	568	310	190
29	705	1,680	1,320	3,310	---	1,170	4,200	2,870	1,190	561	311	197
30	774	1,530	1,280	2,970	---	1,170	3,650	3,380	1,190	549	307	553
31	819	---	1,210	2,770	---	1,110	---	3,400	---	533	299	---
TOTAL	21,077	44,099	62,503	89,739	44,795	37,540	55,130	97,260	46,240	25,125	12,354	7,355
MEAN	680	1,470	2,016	2,895	1,600	1,211	1,838	3,137	1,541	810	399	245
MAX	888	2,850	5,800	9,030	2,650	1,610	4,750	4,430	3,030	1,170	519	553
MIN	523	793	983	666	964	937	1,080	2,010	1,190	533	299	190
AC-FT	41,810	87,470	124,000	178,000	88,850	74,460	109,400	192,900	91,720	49,840	24,500	14,590
CFSM	1.15	2.49	3.41	4.90	2.71	2.05	3.11	5.31	2.61	1.37	0.67	0.41
IN.	1.33	2.78	3.93	5.65	2.82	2.36	3.47	6.12	2.91	1.58	0.78	0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

MEAN	880	1,380	1,336	1,108	1,092	1,223	2,665	5,749	6,300	3,397	1,195	672
MAX	2,722	6,702	4,395	3,938	3,010	3,719	8,162	9,771	11,760	7,540	3,154	1,573
(WY)	(1960)	(1991)	(1976)	(1918)	(1924)	(1934)	(1934)	(1956)	(1974)	(1954)	(1974)	(1959)
MIN	251	236	296	335	306	487	913	2,613	1,541	810	399	245
(WY)	(1943)	(1937)	(1953)	(1929)	(1929)	(1917)	(1917)	(1915)	(2005)	(2005)	(2005)	(2005)

12457000 WENATCHEE RIVER AT PLAIN, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1912 - 2005	
ANNUAL TOTAL	691,619		543,217		2,254	
ANNUAL MEAN	1,890		1,488		3,344	1934
HIGHEST ANNUAL MEAN					1,133	2001
LOWEST ANNUAL MEAN					32,900	Nov 30, 1995
HIGHEST DAILY MEAN	6,390	May 4	9,030	Jan 19	194	Nov 25, 1993
LOWEST DAILY MEAN	455	Sep 10	190	Sep 28	194	Sep 23, 2005
ANNUAL SEVEN-DAY MINIMUM	506	Sep 4	194	Sep 23	1,633,000	
ANNUAL RUNOFF (AC-FT)	1,372,000		1,077,000		3.81	
ANNUAL RUNOFF (CFSM)	3.20		2.52		51.81	
ANNUAL RUNOFF (INCHES)	43.53		34.19		5,800	
10 PERCENT EXCEEDS	4,330		3,160		1,190	
50 PERCENT EXCEEDS	1,190		1,150		480	
90 PERCENT EXCEEDS	614		334			

e Estimated

12458000 ICICLE CREEK ABOVE SNOW CREEK, NEAR LEAVENWORTH, WA

LOCATION.--Lat 47°32'28", long 120°43'08", in SE¹/₄SE¹/₄ sec.28, T.24 N., R.17 E., Chelan County, Hydrologic Unit 17020011, on right bank 1,000 ft upstream from Icicle Canal diversion dam, 0.4 mi upstream from Snow Creek, 4.8 mi southwest of Leavenworth, and at mile 5.8.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--September 1936 to September 1971, October 1993 to current year.

REVISED RECORDS.--WSP 1246: 1936-41. WSP 1286: 1948. WSP 1446: 1943(M).

GAGE.--Water-stage recorder. Elevation of gage is 1,450 ft above NGVD of 1929, from river-profile map.

REMARKS.--No estimated daily discharges. Records fair. No diversion. Some regulation in headwater lakes. Suspended sediment data are available from district office.

AVERAGE DISCHARGE.--47 years (water years 1937-71, 1994-2005), 614 ft³/s, 43.21 in/yr, 444,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,800 ft³/s, Nov. 29, 1995, gage height, 16.04 ft, from rating curve extended above 7,000 ft³/s on basis of slope-area measurement of peak flow; minimum daily discharge, 44 ft³/s, Nov. 30, 1936.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 11	1200	2,800	9.04	Jan 19	0445	*4,150	*10.34

Minimum discharge, 60 ft³/s, Sept. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	301	417	376	737	302	337	882	944	329	153	103
2	209	745	387	359	693	300	348	873	800	312	149	101
3	200	1,030	370	306	660	296	348	878	726	294	143	99
4	193	785	354	297	667	292	342	933	684	277	138	96
5	186	664	340	269	682	289	329	966	660	266	134	94
6	182	592	322	265	630	289	319	1,020	607	264	131	92
7	193	559	311	289	591	296	326	1,020	547	271	129	90
8	183	555	307	299	549	334	348	952	516	262	126	87
9	203	555	308	300	532	365	355	1,190	488	292	124	87
10	225	555	755	290	509	411	352	1,880	473	299	122	91
11	218	549	2,420	260	497	432	349	1,580	478	277	120	95
12	202	534	1,560	268	481	490	348	1,400	479	256	118	95
13	188	508	1,140	270	462	487	341	1,320	459	237	117	92
14	179	479	955	253	442	459	332	1,340	448	222	115	85
15	172	454	867	222	397	439	323	1,420	431	212	113	74
16	168	440	777	234	392	420	321	1,480	415	208	111	69
17	237	422	701	248	389	413	330	1,180	424	205	108	69
18	384	397	649	2,120	378	401	334	1,030	458	199	108	70
19	358	381	639	3,660	377	378	344	1,040	447	193	106	69
20	339	357	649	2,280	370	370	351	957	438	184	103	67
21	313	341	642	1,990	356	377	384	871	440	175	100	65
22	309	334	605	1,600	343	364	488	822	451	172	98	64
23	317	332	560	1,770	335	346	664	760	439	186	95	63
24	326	381	529	1,700	328	327	921	708	404	182	94	63
25	319	939	507	1,470	320	315	1,120	685	381	169	92	62
26	300	841	491	1,280	313	310	1,300	704	370	161	92	62
27	281	628	466	1,120	307	323	1,420	773	364	166	98	61
28	271	528	437	999	302	353	1,310	883	359	168	101	60
29	266	467	423	900	---	352	1,140	1,010	346	167	102	60
30	267	445	411	826	---	348	964	1,100	335	164	102	311
31	299	---	391	783	---	342	---	1,040	---	158	103	---
TOTAL	7,706	16,098	19,690	27,303	13,039	11,220	16,488	32,697	14,811	6,927	3,545	2,596
MEAN	249	537	635	881	466	362	550	1,055	494	223	114	86.5
MAX	384	1,030	2,420	3,660	737	490	1,420	1,880	944	329	153	311
MIN	168	301	307	222	302	289	319	685	335	158	92	60
AC-FT	15,280	31,930	39,060	54,160	25,860	22,250	32,700	64,850	29,380	13,740	7,030	5,150
CFSM	1.29	2.78	3.29	4.56	2.41	1.88	2.85	5.46	2.56	1.16	0.59	0.45
IN.	1.49	3.10	3.80	5.26	2.51	2.16	3.18	6.30	2.85	1.34	0.68	0.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

MEAN	240	379	344	289	297	290	666	1,679	1,880	867	265	161
MAX	703	1,992	1,062	881	994	669	1,099	2,798	3,429	2,292	764	380
(WY)	(1960)	(1996)	(1996)	(2005)	(1996)	(1997)	(1943)	(1956)	(1948)	(1954)	(1954)	(1959)
MIN	74.5	66.2	72.9	72.4	72.5	112	275	984	494	223	114	86.3
(WY)	(1994)	(1953)	(1953)	(1937)	(1937)	(1937)	(1967)	(1941)	(2005)	(2005)	(2005)	(2001)

12458000 ICICLE CREEK ABOVE SNOW CREEK, NEAR LEAVENWORTH, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1937 - 2005	
ANNUAL TOTAL	215,316		172,120			
ANNUAL MEAN	588		472		614	
HIGHEST ANNUAL MEAN					905	
LOWEST ANNUAL MEAN					299	
HIGHEST DAILY MEAN	2,420	Dec 11	3,660	Jan 19	14,100	Nov 29, 1995
LOWEST DAILY MEAN	144	Aug 21	60	Sep 28	44	Nov 30, 1936
ANNUAL SEVEN-DAY MINIMUM	156	Aug 16	62	Sep 23	50	Nov 25, 1952
ANNUAL RUNOFF (AC-FT)	427,100		341,400		444,600	
ANNUAL RUNOFF (CFSM)	3.05		2.44		3.18	
ANNUAL RUNOFF (INCHES)	41.50		33.18		43.21	
10 PERCENT EXCEEDS	1,310		979		1,600	
50 PERCENT EXCEEDS	398		348		300	
90 PERCENT EXCEEDS	186		102		116	

12459000 WENATCHEE RIVER AT PESHASTIN, WA

LOCATION.--Lat 47°35'00", long 120°37'06", in SE¼SW¼ sec.8, T.24 N., R.18 E., Chelan County, Hydrologic Unit 17020011, on right bank 1.0 mi northwest of Peshastin, 3.5 mi upstream from Peshastin Creek, 4.1 mi downstream from Icicle Creek, and at mile 21.5.

DRAINAGE AREA.--1,000 mi², approximately.

PERIOD OF RECORD.--October 1928 to February 1929 (monthly discharge only), March 1929 to current year.

REVISED RECORDS.--WSP 1316: 1929-32(M).

GAGE.--Water-stage recorder. Datum of gage is 1,028.04 ft above NGVD of 1929. Prior to Mar. 24, 1932, nonrecording gage at site 1.2 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Numerous diversions for irrigation of an estimated 3,200 acres upstream from station. Diversion from Icicle Creek 5.7 mi upstream from mouth is used for irrigation of a substantial part of the 22,000 acres downstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--77 years (water years 1929-2005), 3,053 ft³/s, 2,212,000 acre-ft/yr. Includes discharge for water year 1929 which was estimated for WSP 1316.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,300 ft³/s, Nov. 30, 1995, gage height, 17.89 ft; minimum discharge, 183 ft³/s, Oct. 14, 1939; minimum gage height, 1.22 ft, Nov. 26, 1993; minimum daily discharge, 210 ft³/s, Nov. 26, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 19	1930	*13,100	*9.40	No other peak greater than base discharge.			

Minimum discharge, 280 ft³/s, Sept. 28, 29, gage height, 1.38 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	858	1,190	1,990	1,710	3,730	1,410	1,640	4,420	4,390	1,610	658	395
2	852	2,110	1,830	1,630	3,490	1,410	1,720	4,170	3,770	1,510	644	382
3	816	3,480	1,720	1,500	3,310	1,400	1,680	4,030	3,370	1,410	621	382
4	786	2,870	1,640	1,440	3,250	1,380	1,640	4,120	3,100	1,310	603	372
5	761	2,480	1,590	e1,290	3,450	1,370	1,580	4,180	2,940	1,250	585	368
6	743	2,220	1,510	e1,260	3,240	1,370	1,550	4,370	2,800	1,250	569	355
7	770	2,140	1,460	1,310	3,040	1,420	1,620	4,530	2,510	1,360	570	348
8	753	2,310	1,470	1,330	2,830	1,580	1,710	4,360	2,300	1,290	564	338
9	809	2,290	1,440	1,310	2,680	1,690	1,720	4,960	2,160	1,440	560	336
10	905	2,200	2,400	1,260	2,530	1,900	1,680	7,130	2,060	1,440	557	361
11	902	2,100	7,780	1,170	2,410	2,000	1,710	6,860	2,050	1,300	555	386
12	858	1,990	7,770	1,210	2,320	2,210	1,710	6,250	2,030	1,200	545	382
13	812	1,890	5,910	1,170	2,230	2,280	1,660	5,860	1,950	1,130	539	355
14	782	1,810	4,730	1,090	2,150	2,200	1,620	5,680	1,880	1,070	531	338
15	760	1,750	4,210	e1,050	2,000	2,110	1,580	5,860	1,810	1,010	527	327
16	750	1,730	3,720	e1,060	1,910	2,050	1,600	6,160	1,740	1,010	516	327
17	946	1,660	3,300	1,130	1,850	2,040	1,660	5,390	1,770	1,010	514	326
18	1,260	1,590	3,020	4,520	1,790	1,960	1,630	4,740	1,880	962	517	328
19	1,260	1,550	2,990	11,900	1,760	1,880	1,630	4,590	1,830	939	510	324
20	1,260	1,460	3,050	11,700	1,700	1,850	1,670	4,260	1,810	913	488	318
21	1,210	1,400	2,880	10,200	1,640	1,850	1,800	3,870	1,860	863	474	314
22	1,250	1,360	2,690	8,650	1,590	1,750	2,120	3,610	2,010	850	470	309
23	1,300	1,350	2,510	8,500	1,550	1,680	2,710	3,360	2,000	899	463	308
24	1,320	1,470	2,370	8,500	1,510	1,610	3,590	3,110	1,880	855	445	304
25	1,260	3,400	2,280	7,420	1,480	1,560	4,540	2,950	1,790	804	426	303
26	1,190	3,880	2,230	6,570	1,450	1,570	5,460	2,950	1,740	764	420	297
27	1,130	3,200	2,110	5,810	1,430	1,680	6,250	3,190	1,730	753	420	289
28	1,090	2,700	1,990	5,200	1,420	1,740	6,400	3,570	1,720	735	410	282
29	1,060	2,350	1,930	4,660	---	1,700	5,760	4,110	1,650	720	409	286
30	1,110	2,150	1,870	4,200	---	1,710	4,980	4,810	1,630	700	412	650
31	1,250	---	1,780	3,910	---	1,640	---	4,850	---	679	410	---
TOTAL	30,813	64,080	88,170	123,660	63,740	54,000	76,620	142,300	66,160	33,036	15,932	10,390
MEAN	994	2,136	2,844	3,989	2,276	1,742	2,554	4,590	2,205	1,066	514	346
MAX	1,320	3,880	7,780	11,900	3,730	2,280	6,400	7,130	4,390	1,610	658	650
MIN	743	1,190	1,440	1,050	1,420	1,370	1,550	2,950	1,630	679	409	282
AC-FT	61,120	127,100	174,900	245,300	126,400	107,100	152,000	282,300	131,200	65,530	31,600	20,610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

	1,129	1,911	1,810	1,536	1,593	1,853	3,753	7,850	8,579	4,368	1,463	816
MEAN	1,129	1,911	1,810	1,536	1,593	1,853	3,753	7,850	8,579	4,368	1,463	816
MAX	3,654	8,800	6,202	3,989	4,677	5,607	11,250	13,800	16,180	10,350	4,003	1,997
(WY)	(1960)	(1991)	(1976)	(2005)	(1996)	(1972)	(1934)	(1956)	(1974)	(1954)	(1954)	(1959)
MIN	331	329	421	421	476	806	1,475	3,506	2,205	1,066	514	346
(WY)	(1988)	(1930)	(1953)	(1930)	(1937)	(1929)	(1929)	(1977)	(2005)	(2005)	(2005)	(2005)

12459000 WENATCHEE RIVER AT PESHASTIN, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	983,835		768,901		3,069	
ANNUAL MEAN	2,688		2,107		4,830	
HIGHEST ANNUAL MEAN					1,572	
LOWEST ANNUAL MEAN					1972	
HIGHEST DAILY MEAN	9,030	May 4	11,900	Jan 19	38,900	Nov 30, 1995
LOWEST DAILY MEAN	657	Sep 10	282	Sep 28	210	Nov 26, 1993
ANNUAL SEVEN-DAY MINIMUM	727	Sep 5	296	Sep 23	255	Oct 26, 1987
ANNUAL RUNOFF (AC-FT)	1,951,000		1,525,000		2,223,000	
10 PERCENT EXCEEDS	6,110		4,460		7,830	
50 PERCENT EXCEEDS	1,670		1,640		1,650	
90 PERCENT EXCEEDS	837		437		608	

e Estimated

12462500 WENATCHEE RIVER AT MONITOR, WA

LOCATION.--Lat 47°29'58", long 120°25'24", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.23 N., R.19 E., Chelan County, Hydrologic Unit 17020011, on right bank 1.0 mi north of Monitor, 3.5 mi downstream from Mission Creek, and at mile 7.0.

DRAINAGE AREA.--1,301 mi².

PERIOD OF RECORD.--August to November 1897, October 1962 to current year. Published as "near Wenatchee" 1897.

GAGE.--Water-stage recorder. Elevation of gage is 680 ft above NGVD of 1929, from topographic map. Aug. 7 to Nov. 7, 1897, nonrecording gage 1 mi downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. No regulation. Diversions for irrigation of about 25,000 acres upstream from station. Chelan County Public Utility District No. 1 telemeter at station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1963-2005), 3,231 ft³/s, 2,341,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,500 ft³/s, Nov. 30, 1995, gage height, 30.02 ft; minimum discharge, 208 ft³/s, Nov. 26, 1993, gage height, 16.45 ft, but may have been less during period of frozen intakes Nov. 27 to Dec. 11, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,800 ft³/s, Jan. 19, gage height, 23.18 ft; minimum discharge, 237 ft³/s, Sept. 28, gage height, 16.51 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	888	1,320	2,160	1,870	4,010	1,560	1,850	4,790	4,670	1,580	587	313
2	868	2,050	2,000	1,780	3,770	1,550	1,960	4,500	4,010	1,490	573	305
3	824	3,770	1,880	1,650	3,580	1,550	1,920	4,330	3,570	1,390	546	310
4	791	3,130	1,790	1,580	3,490	1,530	1,890	4,420	3,280	1,280	521	309
5	763	2,720	1,730	1,430	3,700	1,520	1,830	4,470	3,100	1,210	501	311
6	741	2,430	1,650	1,370	3,500	1,520	1,800	4,640	2,960	1,200	479	318
7	757	2,320	1,590	1,450	3,290	1,560	1,870	4,850	2,660	1,300	471	323
8	755	2,480	1,600	1,460	3,070	1,720	1,980	4,670	2,430	1,250	468	323
9	791	2,480	1,570	1,450	2,910	1,840	1,990	5,310	2,270	1,360	463	312
10	892	2,390	2,390	1,390	2,750	2,050	1,990	8,110	2,150	1,420	456	329
11	909	2,290	8,290	1,310	2,630	2,170	2,010	7,810	2,120	1,270	453	355
12	867	2,180	8,500	1,310	2,520	2,390	2,000	6,940	2,110	1,160	448	365
13	815	2,070	6,390	1,290	2,430	2,500	1,910	6,440	2,020	1,100	450	344
14	782	1,980	5,110	1,200	2,340	2,400	1,860	6,200	1,940	1,030	437	322
15	827	1,910	4,530	1,100	2,180	2,310	1,810	6,380	1,850	957	426	300
16	859	1,880	4,010	1,100	2,080	2,230	1,830	6,710	1,770	933	419	291
17	1,020	1,820	3,570	1,160	2,020	2,230	1,880	5,880	1,770	941	416	297
18	1,380	1,740	3,270	4,320	1,950	2,150	1,840	5,180	1,900	903	419	297
19	1,390	1,690	3,200	12,500	1,920	2,070	1,840	4,980	1,870	862	418	288
20	1,400	1,610	3,270	12,400	1,860	2,030	1,850	4,650	1,830	843	400	279
21	1,350	1,540	3,110	10,800	1,790	2,030	1,970	4,220	1,860	827	381	269
22	1,380	1,490	2,910	9,170	1,740	1,940	2,260	3,950	2,000	785	369	263
23	1,430	1,480	2,710	8,890	1,690	1,870	2,890	3,690	2,020	843	374	265
24	1,460	1,530	2,570	8,960	1,660	1,800	3,880	3,410	1,880	814	368	259
25	1,400	3,280	2,460	7,830	1,620	1,750	4,970	3,220	1,780	756	355	255
26	1,320	4,140	2,410	6,920	1,600	1,770	5,950	3,190	1,730	706	354	252
27	1,260	3,430	2,290	6,140	1,570	1,900	6,780	3,390	1,710	689	348	247
28	1,220	2,910	2,160	5,520	1,560	1,970	6,970	3,780	1,710	671	334	243
29	1,200	2,550	2,090	4,980	---	1,920	6,270	4,320	1,630	651	321	244
30	1,200	2,330	2,040	4,510	---	1,920	5,420	5,060	1,590	633	318	451
31	1,370	---	1,940	4,200	---	1,860	---	5,150	---	609	316	---
TOTAL	32,909	68,940	95,190	131,040	69,230	59,610	85,270	154,640	68,190	31,463	13,189	9,039
MEAN	1,062	2,298	3,071	4,227	2,472	1,923	2,842	4,988	2,273	1,015	425	301
MAX	1,460	4,140	8,500	12,500	4,010	2,500	6,970	8,110	4,670	1,580	587	451
MIN	741	1,320	1,570	1,100	1,560	1,520	1,800	3,190	1,590	609	316	243
AC-FT	65,280	136,700	188,800	259,900	137,300	118,200	169,100	306,700	135,300	62,410	26,160	17,930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	1,090	2,120	2,003	1,820	1,993	2,369	3,975	7,934	8,814	4,360	1,470	808
MAX	3,095	9,636	6,983	4,309	5,447	6,853	7,260	12,970	17,020	9,880	3,985	1,628
(WY)	(1998)	(1991)	(1976)	(1984)	(1996)	(1972)	(1990)	(1972)	(1974)	(1974)	(1999)	(1978)
MIN	346	426	556	527	518	995	1,678	3,565	2,273	1,015	425	301
(WY)	(1988)	(1988)	(2001)	(1988)	(2001)	(2001)	(1967)	(1977)	(2005)	(2005)	(2005)	(2005)

12462500 WENATCHEE RIVER AT MONITOR, WA—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	1,034,232		818,710			
ANNUAL MEAN	2,826		2,243		3,231	
HIGHEST ANNUAL MEAN					5,261 1972	
LOWEST ANNUAL MEAN					1,589 2001	
HIGHEST DAILY MEAN	9,580	May 4	12,500	Jan 19	45,200	Nov 30, 1995
LOWEST DAILY MEAN	636	Sep 10	243	Sep 28	221	Nov 26, 1993
ANNUAL SEVEN-DAY MINIMUM	679	Aug 16	252	Sep 23	252	Sep 23, 2005
ANNUAL RUNOFF (AC-FT)	2,051,000		1,624,000		2,341,000	
10 PERCENT EXCEEDS	6,290		4,720		7,970	
50 PERCENT EXCEEDS	1,810		1,820		1,830	
90 PERCENT EXCEEDS	825		367		641	

12462600 COLUMBIA RIVER BELOW ROCK ISLAND DAM, WA

LOCATION.--Lat 47°19'57", long 120°04'48", in NE¼NW¼ sec.9, T.21 N., R.22 E., Douglas County, Hydrologic Unit 17020010, on left bank 1.0 mi downstream from Rock Island Dam, 2.0 mi downstream from Rock Island Creek, 12 mi southeast of Wenatchee, and at mile 452.4.

DRAINAGE AREA.--89,400 mi², approximately.

PERIOD OF RECORD.--January to December 1910 (gage heights only), May 1913 to December 1916, October 1930 to current year. Published as "at Wenatchee" January 1910 to December 1916, and as "at Trinidad" October 1930 to May 1961.

GAGE.--Daily discharge determined from flow through turbines plus spillway flow when present. Datum of gage is NGVD of 1929. Prior to Jan. 1, 1916, nonrecording gage 1.2 mi upstream from highway bridge at Wenatchee, at mile 466.3, at datum 583 ft above NGVD of 1929. Jan. 1 to Dec. 31, 1916, nonrecording gage on pier of highway bridge at Wenatchee, at mile 465.1, at datum 579.30 ft above NGVD of 1929. Oct. 1, 1930, to May 31, 1961, water-stage recorder 0.5 mi southwest of Trinidad, at mile 441.7, at datum 499.3 ft above NGVD of 1929 (river-profile survey). June 1, 1961, to July 22, 1988, water-stage recorder at present site and datum; May 21, 1963, to July 22, 1988, auxiliary water-stage recorder 2.0 mi downstream at same datum.

REMARKS.--Flow regulated by numerous reservoirs. Feeder Canal diversion (station 12435500) for Columbia Basin project is used to irrigate approximately 600,000 acres in the United States. An additional 66,500 acres in Canada are irrigated by other diversions.

COOPERATION.--Discharge records provided by Public Utility District No. 1 of Chelan County at Rock Island Dam through the Corps of Engineers, North Pacific Division, Reservoir Control Center. The U.S. Geological Survey made 6 discharge measurements at this site during the year.

AVERAGE DISCHARGE.--78 years (water years 1914-16, 1931-2005), 118,500 ft³/s, 85,850,000 acre-ft/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 692,600 ft³/s, June 12, 1948, gage height, 59.35 ft, site and datum then in use; minimum discharge, 4,120 ft³/s, Feb. 10, 1932, gage height, 11.40 ft, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 7, 1894, reached a discharge of about 740,000 ft³/s, from floodmarks at Wenatchee.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 181,000 ft³/s, May 27; minimum daily discharge, 36,400 ft³/s, Sept. 4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88,400	87,400	112,000	85,500	94,500	115,000	96,300	90,100	132,000	158,000	119,000	87,200
2	75,200	97,300	111,000	92,000	103,000	120,000	84,900	136,000	126,000	136,000	90,700	65,300
3	57,900	99,300	128,000	131,000	130,000	118,000	78,500	138,000	120,000	95,300	98,500	51,000
4	82,900	96,300	117,000	137,000	126,000	119,000	106,000	126,000	99,200	102,000	123,000	36,400
5	87,000	91,300	88,000	140,000	96,000	79,600	98,800	109,000	83,300	106,000	125,000	53,400
6	98,200	71,000	128,000	125,000	88,700	77,200	62,700	126,000	109,000	139,000	105,000	85,600
7	91,300	61,300	130,000	137,000	135,000	90,900	63,200	115,000	127,000	155,000	104,000	89,000
8	80,200	93,600	104,000	101,000	137,000	104,000	71,900	104,000	135,000	158,000	113,000	84,400
9	62,900	100,000	104,000	106,000	135,000	96,000	67,700	143,000	134,000	125,000	119,000	60,900
10	50,400	99,900	89,100	122,000	122,000	113,000	50,000	154,000	135,000	121,000	112,000	39,700
11	63,900	95,900	95,800	124,000	124,000	98,900	76,600	132,000	103,000	146,000	106,000	45,500
12	92,000	116,000	96,800	130,000	112,000	76,800	123,000	147,000	92,600	148,000	110,000	62,500
13	88,200	90,100	105,000	117,000	84,100	52,400	89,600	144,000	121,000	154,000	85,000	67,100
14	95,300	57,600	106,000	115,000	118,000	105,000	76,600	135,000	140,000	159,000	77,200	68,100
15	63,300	96,200	129,000	129,000	134,000	107,000	75,300	102,000	138,000	158,000	106,000	76,100
16	67,200	104,000	148,000	103,000	138,000	119,000	65,700	133,000	144,000	145,000	113,000	72,000
17	60,000	103,000	145,000	123,000	133,000	110,000	51,400	128,000	135,000	122,000	121,000	42,000
18	100,000	105,000	127,000	94,700	118,000	106,000	75,600	127,000	103,000	143,000	120,000	46,100
19	105,000	114,000	107,000	89,200	86,400	101,000	85,700	132,000	81,700	132,000	117,000	82,600
20	106,000	112,000	135,000	93,700	65,300	76,000	103,000	128,000	143,000	140,000	102,000	88,100
21	91,300	83,900	149,000	97,200	100,000	106,000	104,000	103,000	162,000	144,000	88,300	71,000
22	67,000	107,000	141,000	72,800	106,000	114,000	95,600	108,000	160,000	122,000	110,000	78,300
23	61,000	101,000	126,000	69,000	100,000	109,000	93,000	115,000	151,000	113,000	94,400	66,200
24	71,900	90,100	127,000	106,000	100,000	104,000	76,000	131,000	163,000	105,000	102,000	59,700
25	107,000	47,900	101,000	115,000	85,900	75,800	106,000	137,000	155,000	117,000	105,000	54,800
26	91,900	55,000	91,100	101,000	78,800	69,100	115,000	170,000	125,000	138,000	115,000	79,400
27	84,600	87,300	107,000	99,900	63,500	54,200	113,000	181,000	144,000	140,000	98,700	66,300
28	93,900	98,800	120,000	110,000	100,000	74,400	103,000	115,000	151,000	144,000	75,600	84,900
29	85,800	128,000	126,000	93,700	---	85,300	110,000	85,600	160,000	146,000	92,800	77,400
30	65,600	119,000	113,000	85,000	---	104,000	91,100	109,000	157,000	146,000	106,000	82,400
31	59,800	---	106,000	105,000	---	108,000	---	146,000	---	129,000	113,000	---
TOTAL	2,495,100	2,809,200	3,612,800	3,349,700	3,014,200	2,988,600	2,609,200	3,949,700	3,929,800	4,186,300	3,267,200	2,023,400
MEAN	80,490	93,640	116,500	108,100	107,600	96,410	86,970	127,400	131,000	135,000	105,400	67,450
MAX	107,000	128,000	149,000	140,000	138,000	120,000	123,000	181,000	163,000	159,000	125,000	89,000
MIN	50,400	47,900	88,000	69,000	63,500	52,400	50,000	85,600	81,700	95,300	75,600	36,400
AC-FT	4,949,000	5,572,000	7,166,000	6,644,000	5,979,000	5,928,000	5,175,000	7,834,000	7,795,000	8,304,000	6,480,000	4,013,000
CAL YR	2004	TOTAL	35,833,300	MEAN	97,910	MAX	169,000	MIN	40,400	AC-FT	71,080,000	
WTR YR	2005	TOTAL	38,235,200	MEAN	104,800	MAX	181,000	MIN	36,400	AC-FT	75,840,000	

12464607 SAND HOLLOW CREEK AT MOUTH, NEAR VANTAGE, WA

WATER-QUALITY RECORDS

LOCATION.--Lat. 46°55'46", long. 119°57'01", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 16 N., R. 26 E., Grant County, Hydrologic Unit 17020010, 0.4 mi east of junction of State Routes 243 and 26, 2 mi east of Vantage at mile 0.4.

PERIOD OF RECORD.--November 1991 to July 1992, July 2002 to October 2004 (discontinued).

DRAINAGE AREA.--60 mi².

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Station number	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Noncarb hardness, wat flt field, mg/L as CaCO ₃ (00904)
OCT 05...	12464607	0930	88	748	10.3	99	8.2	369	8.5	13.0	160	43

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT 05...	39.7	15.9	1.41	.4	12.8	14	123	149	.0	9.69	.3	21.4	28.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	2,4,5-T surrog, water, fltrd, percent recovery (99958)
OCT 05...	227	.32	54.8	232	.06	.020	5.44	<.003	.027	5.5	E5	1.2	102

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd, 0.7u GF ug/L (38746)	2,6-Diethyl-aniline water, fltrd, 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	3-Hydroxy-carbo-furan, wat flt 0.7u GF ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	Aceto-chlor, water, fltrd, ug/L (49260)	Acifluorfen, water, fltrd, 0.7u GF ug/L (49315)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd, 0.7u GF ug/L (49313)
OCT 05...	<.016	E.01	<.02	<.006	E.009	<.08	<.032	<.008	<.02	<.006	<.028	<.005	<.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd, 0.7u GF ug/L (49312)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovery (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Barban, surrog, Sched. 2060/9060, wat flt pct rcv (90640)	Bendio-carb, water, fltrd, ug/L (50299)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensulfuron, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Broma-cil, water, fltrd, ug/L (04029)
OCT 05...	<.022	<.04	<.005	86.7	.015	<.050	81.2	<.02	<.010	<.022	<.02	E.17	E.01

12464607 SAND HOLLOW CREEK AT MOUTH, NEAR VANTAGE, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Bromoxynil, water, fltrd 0.7u GF ug/L (49311)	Butylate, water, fltrd, ug/L (04028)	Caffeine, water, fltrd, ug/L (50305)	Caffeine-13C, surrog, wat flt percent recovery (99959)	Carbaryl, water, fltrd 0.7u GF ug/L (49310)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (49309)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chloridiazinone, water, fltrd 0.7u GF ug/L (04039)	Chlorothalonil, water, fltrd 0.7u GF ug/L (49306)	Chlorpyrifos, water, fltrd, ug/L (38933)
OCT 05...	<.03	<.004	<.018	80.3	<.02	<.041	<.016	<.020	<.02	<.032	E.01	<.04	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	cis-Permethrin, water, fltrd 0.7u GF ug/L (82687)	Clopyralid, water, fltrd, ug/L (49305)	Cyanazine, water, fltrd, ug/L (04041)	Cycloate, water, fltrd, ug/L (04031)	Dacthal monoacid, water, fltrd 0.7u GF ug/L (49304)	DCPA, water, fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Diazinon-d10, surrog, wat flt percent recovery (91063)	Dicamba, water, fltrd 0.7u GF ug/L (38442)	Dichloroprop, water, fltrd 0.7u GF ug/L (49302)	Dieldrin, water, fltrd, ug/L (39381)	Dinoseb, water, fltrd 0.7u GF ug/L (49301)
OCT 05...	<.006	<.02	<.018	<.01	<.03	<.003	<.012	<.005	98.7	<.04	<.03	<.009	E.01

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Diphenamid, water, fltrd, ug/L (04033)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Diuron, water, fltrd 0.7u GF ug/L (49300)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfuralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenuron, water, fltrd 0.7u GF ug/L (49297)	Desulf-inyl fipronil amide, wat flt ug/L (62169)	Fipronil sulfide, water, fltrd, ug/L (62167)	Fipronil sulfone, water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flumetsulam, water, fltrd, ug/L (61694)	Fluometuron, water, fltrd 0.7u GF ug/L (38811)
OCT 05...	<.01	<.02	<.01	<.004	<.009	<.005	<.02	<.029	<.013	<.024	<.016	<.04	<.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Fonofos, water, fltrd, ug/L (04095)	Imazaquin, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid, water, fltrd, ug/L (61695)	Lindane, water, fltrd, ug/L (39341)	Linuron, water, fltrd 0.7u GF ug/L (38478)	Linuron, water, fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	MCPA, water, fltrd 0.7u GF ug/L (38482)	MCPB, water, fltrd 0.7u GF ug/L (38487)	Metaxalyl, water, fltrd, ug/L (50359)	Methiocarb, water, fltrd 0.7u GF ug/L (38501)	Methomyl, water, fltrd 0.7u GF ug/L (49296)
OCT 05...	<.003	<.04	<.04	<.020	<.004	<.01	<.035	<.027	<.03	<.01	<.01	<.010	<.020

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Metsulfuron, water, fltrd, ug/L (61697)	Molinate, water, fltrd 0.7u GF ug/L (82671)	N-(4-Chlorophenyl)-N'-methyl-urea, water, fltrd, ug/L (61692)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	Neburon, water, fltrd 0.7u GF ug/L (49294)	Nicosulfuron, water, fltrd, ug/L (50364)	Norflurazon, water, fltrd 0.7u GF ug/L (49293)	Oryzalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	p,p'-DDE, water, fltrd, ug/L (34653)
OCT 05...	<.015	<.006	<.006	<.03	<.003	<.04	<.007	<.01	<.04	<.02	<.01	<.03	<.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate, water, fltrd 0.7u GF ug/L (82664)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham, water, fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)
OCT 05...	<.010	<.004	<.022	<.011	<.03	<.01	<.004	<.025	<.011	<.02	<.030	<.01	<.008

12464607 SAND HOLLOW CREEK AT MOUTH, NEAR VANTAGE, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Siduron water, fltrd, ug/L (38548)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terba- cil, water, fltrd, ug/L (04032)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)
OCT 05...	<.02	<.010	<.038	<.02	E.051	E.033	<.02	<.010	<.006	<.03	<.009