

12488500 AMERICAN RIVER NEAR NILE, WA

LOCATION.--Lat 46°58'40", long 121°10'03", in SE^{1/4}NW^{1/4}, sec.12, T.17 N., R.13 E., Yakima County, Hydrologic Unit 17030002, Snoqualmie National Forest, on right bank 300 ft upstream from Bumping Lake Road bridge, 4.9 mi downstream from Hall Creek, 16.0 mi northwest of Nile, and at mile 0.5.

DRAINAGE AREA.--78.9 mi².

PERIOD OF RECORD.--April 1909 to March 1912, July to September 1913, June to September 1914, June to September 1915, October 1939 to current year.
Monthly discharge only for period 1909 to 1915, published in WSP 1316.

REVISED RECORDS.--WSP 982: 1940-42. WSP 1216: Drainage area. WSP 1286: 1911.

GAGE.--Water-stage recorder. Datum of gage is 2,700.00 ft above NGVD of 1929 (Washington State Highway Department benchmark). Prior to Sept. 12, 1915, nonrecording gage at site 300 ft downstream at different datum. Oct. 12 to Dec. 7, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good, except for those above 700 ft³/s, which are fair, and for estimated daily discharges, which are poor. No regulation or diversion. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--65 years (water years, 1940-2004), 234 ft³/s, 40.30 in/yr, 169,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,230 ft³/s, Dec. 26, 1980, gage height, 77.99 ft; minimum discharge, 15 ft³/s, Jan. 5, 2004, but may have been lower during period of ice effect Jan. 5, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 858 ft³/s, May 4, gage height, 74.11 ft; minimum discharge, 15 ft³/s, Jan. 5, but may have been less during the period of ice effect Jan. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	72	164	e70	192	80	251	554	432	228	68	67
2	33	70	152	e64	178	79	243	662	418	212	66	67
3	33	65	183	e50	165	78	246	787	461	201	65	65
4	32	58	176	e32	153	79	269	825	562	188	64	61
5	32	53	171	e21	143	77	301	743	636	175	62	58
6	32	55	175	e23	138	76	330	616	600	166	65	56
7	33	54	164	e34	130	75	367	573	512	170	80	54
8	40	57	151	e70	124	85	401	587	460	154	72	52
9	46	54	142	e68	118	113	410	569	441	144	68	51
10	44	55	136	e72	114	134	423	538	451	137	64	50
11	42	70	128	e72	111	141	458	488	410	132	61	59
12	48	67	125	e72	108	148	513	441	352	125	59	63
13	61	63	122	e72	106	156	609	408	371	122	56	65
14	58	60	118	e68	104	160	590	403	397	117	54	84
15	56	60	111	e76	102	171	541	430	344	113	54	83
16	80	63	107	e76	100	181	478	440	327	109	55	89
17	136	69	103	e84	99	206	427	439	342	104	63	87
18	120	130	98	e84	98	228	388	445	378	102	54	90
19	95	379	94	96	94	233	358	512	371	102	51	92
20	141	319	92	93	92	220	342	625	345	98	49	88
21	393	232	90	90	90	215	320	665	354	94	48	82
22	236	188	88	89	88	221	298	623	367	90	65	77
23	164	168	86	88	87	257	299	567	380	87	63	73
24	131	154	85	89	86	289	295	505	393	85	63	69
25	111	143	83	88	85	295	301	463	387	81	101	66
26	98	132	80	86	84	290	342	566	355	80	122	63
27	88	121	79	84	83	279	448	738	306	78	102	60
28	84	129	79	88	81	268	523	737	271	76	90	58
29	90	196	77	116	80	263	512	578	253	74	82	55
30	85	183	e70	245	---	268	506	497	244	72	76	53
31	77	---	e64	214	---	262	---	480	---	70	71	---
TOTAL	2,752	3,519	3,593	2,574	3,233	5,627	11,789	17,504	11,920	3,786	2,113	2,037
MEAN	88.8	117	116	83.0	111	182	393	565	397	122	68.2	67.9
MAX	393	379	183	245	192	295	609	825	636	228	122	92
MIN	32	53	64	21	80	75	243	403	244	70	48	50
AC-FT	5,460	6,980	7,130	5,110	6,410	11,160	23,380	34,720	23,640	7,510	4,190	4,040
CFSM	1.13	1.49	1.47	1.05	1.41	2.30	4.98	7.16	5.04	1.55	0.86	0.86
IN.	1.30	1.66	1.69	1.21	1.52	2.65	5.56	8.25	5.62	1.79	1.00	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

MEAN	70.3	130	166	138	155	157	300	629	631	279	92.5	57.9
(WY)	(1948)	(1996)	(1976)	(1974)	(1996)	(1972)	(1943)	(1956)	(1974)	(1999)	(1999)	(1997)
MAX	248	407	532	464	718	501	595	1,172	1,312	852	343	104
(WY)	(1948)	(1996)	(1976)	(1974)	(1996)	(1972)	(1943)	(1956)	(1974)	(1999)	(1999)	(1997)
MIN	28.4	30.3	33.2	31.2	37.7	46.6	103	203	189	67.8	41.1	34.5
(WY)	(1988)	(1994)	(1953)	(1979)	(1985)	(1977)	(1955)	(1977)	(1992)	(1977)	(1941)	(1987)

YAKIMA RIVER BASIN

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1940 - 2004
ANNUAL TOTAL	82,226	70,447	
ANNUAL MEAN	225	192	
HIGHEST ANNUAL MEAN			234
LOWEST ANNUAL MEAN			379
HIGHEST DAILY MEAN	1,260	Feb 1	94.2
LOWEST DAILY MEAN	32	Oct 4	1974
ANNUAL SEVEN-DAY MINIMUM	33	Oct 1	1977
ANNUAL RUNOFF (AC-FT)	163,100	139,700	3,070 Dec 26, 1980
ANNUAL RUNOFF (CFSM)	2.86	2.44	20 Jan 7, 1993
ANNUAL RUNOFF (INCHES)	38.77	33.21	24 Nov 23, 1993
10 PERCENT EXCEEDS	449	462	584
50 PERCENT EXCEEDS	136	106	122
90 PERCENT EXCEEDS	43	56	46

e Estimated