

COLUMBIA RIVER MAIN STEM

12472900 COLUMBIA RIVER AT VERNITA BRIDGE, NEAR PRIEST RAPIDS DAM, WA

LOCATION.--Lat 46°38'34", long 119°43'54", in NW 1/4 SE 1/4 sec.6, T.13 N., R.25 E., Grant County, Hydrologic Unit 17020016, at State Highway 24 Vernita Bridge crossing, 9.0 mi downstream from Priest Rapids Dam, and at mile 388.1.

DRAINAGE AREA.--96,000 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--Water years 1962-63, 1972, 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1974 to September 1980.

REMARKS.--October 1971 to September 1972, at site 6.4 mi upstream, published as 12472800 "below Priest Rapids Dam." Prior to October 1971 published as 12472800 "at Vernita Ferry." Discharge determined by routing flows from the gaging station below Priest Rapids Dam (station 12472800) 6.4 miles upstream. National Stream Quality Accounting Network (NASQAN) 1975-2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET SECOND (00061)	TURBIDITY (NTU) (00076)	TURBIDITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (MG/L) (00301)	PH WATER WHOLE FIELD (STANDARD) (MG/L) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARDNESS TOTAL (MG/L) AS CACO3 (00900)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNESIUM, DIS-SOLVED (MG/L) AS MG (00925)
DEC 13...	1245	69300	.4	--	11.0	92.7	8.0	140	7.5	5	63.6	18.4	4.26
APR 10...	1140	64800	1.4	2.3	12.8	106	8.5	158	6.6	8	70.9	20.1	5.03
JUN 05...	1145	96600	--	2.2	11.7	113	8.2	139	13.4	8	61.8	17.6	4.32
AUG 22...	1140	22900	--	3.0	9.4	102	8.0	134	18.7	5	58.8	16.6	4.19

DATE	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICARBONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CARBONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC 13...	58	71	0	1.3	.2	8.9	79	<.041	.14	.176	E.003	<.018	E.047
APR 10...	63	72	2	1.2	<.2	11.0	90	<.041	.16	.152	<.006	<.018	<.060
JUN 05...	53	65	0	1.1	E.1	9.3	97	<.040	E.07	.100	E.004	<.020	<.060
AUG 22...	54	66	0	.9	<.2	8.4	80	<.040	.09	E.046	<.006	<.020	<.060

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	SEDIMENT, DIS-SOLVED, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
DEC 13...	1.1	<10	1	187
APR 10...	1.1	<10	3	525
JUN 05...	1.3	<10	2	522
AUG 22...	2.4	<10	3	185