

12399500 COLUMBIA RIVER AT INTERNATIONAL BOUNDARY

Upper Columbia Basin
Franklin D. Roosevelt Lake Subbasin

LOCATION.--Lat 49°00'03", long 117°37'42" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.4, T.40 N., R.41 E., Stevens County, WA, Hydrologic Unit 17020001, on left bank at international boundary, 0.5 mi downstream from Pend Oreille River, and at mile 745.0.

AUXILIARY GAGE: Lat 48°58'17", long 117°38'44", in NW ¼ SW ¼ sec. 16, T. 40 N., R. 41 E., on left bank 2.2 mi downstream from base gage.

DRAINAGE AREA.--59,700 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1937 to current year. Prior to March 1938, monthly discharge only, published in WSP 1316.

REVISED RECORDS.--WSP 932: 1937(m), 1938(M), 1939(m).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (Bureau of Reclamation datum). Prior to Apr. 27, 1939, nonrecording gage at same site and datum. Since May 31, 1942, auxiliary water-stage recorder and Jan. 1 to May 30, 1942, auxiliary nonrecording gage 2.2 mi downstream from base gage at same datum.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

REMARKS.--No estimated daily discharges. Records good except for periods when the base gage height drops below 1,300 ft, which are fair. Flow regulated by numerous reservoirs. It was estimated that 436,400 acres were under irrigation in the United States in 1980 with diversions for irrigation of an additional 66,500 acres in Canada. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--70 years (water years 1938-2007), 99,250 ft³/s, 71,910,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 550,100 ft³/s June 12, 1948, elevation, 1,338.13 ft; minimum discharge, 18,000 ft³/s Feb. 7, 1954, elevation, 1,289.38 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1894 reached a stage of 1,346 ft, from information by Bureau of Reclamation, discharge, 680,000 ft³/s. A discharge of about 12,900 ft³/s occurred Jan. 30 or 31, 1937, based on information from other gaging stations, elevation, 1,287.9 ft, from rating curve extended below 1,291.6 ft and may have been as low in January 1930.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 191,000 ft³/s, June 8, elevation, 1312.87 ft; minimum discharge, 42,300 ft³/s, Mar. 11.

12399500 COLUMBIA RIVER AT INTERNATIONAL BOUNDARY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	65,100	81,000	84,700	82,600	95,800	87,500	101,000	115,000	155,000	141,000	122,000	83,100
2	67,700	85,000	79,600	83,000	94,700	88,300	102,000	117,000	158,000	143,000	118,000	84,600
3	65,900	84,800	80,700	82,000	84,600	79,100	98,400	126,000	163,000	136,000	119,000	83,500
4	67,200	82,800	85,100	82,300	79,100	78,800	101,000	132,000	169,000	137,000	121,000	86,400
5	71,500	81,400	90,700	85,500	86,200	76,000	95,000	132,000	176,000	139,000	116,000	88,800
6	71,200	84,300	91,900	81,400	86,000	65,500	91,900	136,000	185,000	137,000	115,000	84,700
7	75,200	76,400	85,500	84,800	87,200	65,000	98,000	137,000	184,000	137,000	120,000	78,000
8	69,000	68,900	82,800	86,400	90,300	65,400	83,700	135,000	185,000	142,000	116,000	80,800
9	72,900	69,200	74,100	87,500	85,400	65,800	96,700	141,000	186,000	143,000	114,000	77,600
10	72,900	57,400	61,600	93,600	75,400	63,700	107,000	137,000	181,000	141,000	109,000	78,000
11	73,200	60,200	68,100	100,000	82,300	60,900	95,800	137,000	180,000	145,000	106,000	81,500
12	73,000	67,500	86,900	104,000	84,600	63,300	100,000	138,000	173,000	141,000	106,000	78,700
13	70,300	64,300	100,000	101,000	86,800	66,200	106,000	143,000	162,000	134,000	109,000	75,200
14	63,000	62,700	100,000	97,500	89,300	69,200	100,000	151,000	155,000	129,000	108,000	76,100
15	54,800	63,800	98,900	98,000	86,800	75,400	102,000	148,000	146,000	131,000	105,000	75,000
16	56,100	64,300	99,300	96,400	82,200	76,100	104,000	154,000	138,000	133,000	106,000	68,300
17	59,600	63,100	90,300	93,800	90,800	80,600	102,000	157,000	136,000	131,000	107,000	72,300
18	63,500	54,500	97,200	93,900	95,600	80,400	111,000	164,000	139,000	125,000	101,000	77,900
19	56,600	49,200	98,400	91,200	94,800	78,700	108,000	165,000	134,000	128,000	98,000	71,800
20	66,800	51,000	96,000	86,900	92,500	83,600	112,000	169,000	133,000	130,000	101,000	77,200
21	62,100	53,200	94,700	83,600	91,600	84,000	110,000	168,000	132,000	133,000	99,100	75,700
22	63,400	56,200	91,100	89,200	95,300	79,700	108,000	166,000	135,000	134,000	97,600	71,200
23	64,000	55,300	82,300	91,900	93,900	82,200	114,000	163,000	138,000	136,000	100,000	71,000
24	58,800	58,000	80,900	91,900	91,700	85,800	113,000	162,000	147,000	132,000	100,000	73,600
25	61,400	59,100	81,700	93,500	85,200	92,500	110,000	162,000	154,000	139,000	94,600	71,900
26	60,400	56,200	82,200	96,500	89,200	94,800	112,000	154,000	150,000	136,000	98,600	71,000
27	62,000	64,100	86,300	95,400	85,300	95,100	112,000	154,000	144,000	129,000	102,000	75,100
28	63,800	85,000	82,300	102,000	89,200	101,000	114,000	158,000	145,000	125,000	102,000	69,900
29	70,900	89,300	81,800	105,000	---	101,000	107,000	157,000	137,000	128,000	103,000	70,800
30	70,100	87,400	81,400	98,400	---	103,000	113,000	154,000	138,000	132,000	104,000	71,000
31	70,400	---	87,100	97,900	---	97,400	---	152,000	---	128,000	98,600	---
Total	2,042,800	2,035,600	2,683,600	2,857,100	2,471,800	2,486,000	3,128,500	4,584,000	4,658,000	4,175,000	3,316,500	2,300,700
Mean	65,900	67,850	86,570	92,160	88,280	80,190	104,300	147,900	155,300	134,700	107,000	76,690
Max	75,200	89,300	100,000	105,000	95,800	103,000	114,000	169,000	186,000	145,000	122,000	88,800
Min	54,800	49,200	61,600	81,400	75,400	60,900	83,700	115,000	132,000	125,000	94,600	68,300
Ac-ft	4,052,000	4,038,000	5,323,000	5,667,000	4,903,000	4,931,000	6,205,000	9,092,000	9,239,000	8,281,000	6,578,000	4,563,000

	Calendar Year 2006	Water Year 2007
Total	35,433,500	36,739,600
Mean	97,080	100,700
Max	227,000	186,000
Min	49,200	49,200
Ac-ft	70,280,000	72,870,000

12399500 COLUMBIA RIVER AT INTERNATIONAL BOUNDARY—Continued

