

Water-Data Report 2008

## 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 mi<sup>2</sup>.

### 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. 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.--71 years (water years 1938-2008), 99,150 ft<sup>3</sup>/s, 71,830,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 550,100 ft<sup>3</sup>/s June 12, 1948, elevation, 1,338.13 ft; minimum discharge, 18,000 ft<sup>3</sup>/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 ft<sup>3</sup>/s. A discharge of about 12,900 ft<sup>3</sup>/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, 233,000 ft<sup>3</sup>/s (measured), June 6, elevation, 1316.11 ft; minimum discharge, 30,100 ft<sup>3</sup>/s, Apr. 3.

## 12399500 COLUMBIA RIVER AT INTERNATIONAL BOUNDARY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70,500	61,700	79,500	83,800	77,300	64,100	52,700	67,200	212,000	165,000	89,500	74,400
2	69,800	63,000	83,300	87,800	66,500	59,000	46,800	74,900	214,000	164,000	92,300	79,900
3	73,000	68,200	83,700	88,200	62,500	64,000	40,300	76,200	214,000	166,000	89,300	76,900
4	69,900	61,500	99,200	81,600	59,100	56,300	46,500	79,100	217,000	173,000	90,000	76,100
5	71,500	70,600	100,000	76,200	56,700	58,200	48,400	81,900	216,000	179,000	83,600	82,500
6	71,800	72,100	87,800	78,400	56,200	59,400	45,700	87,400	216,000	185,000	87,800	78,700
7	62,100	70,000	90,600	84,900	55,700	54,400	50,200	93,400	214,000	190,000	79,200	70,000
8	66,700	69,900	91,400	86,900	57,900	60,800	48,000	104,000	212,000	182,000	79,300	74,800
9	66,600	68,000	88,700	85,100	59,100	55,200	50,400	108,000	207,000	173,000	78,300	73,000
10	61,600	62,600	92,100	83,300	58,100	59,400	51,900	108,000	208,000	165,000	75,900	73,100
11	60,100	61,000	90,700	78,800	62,100	58,700	48,100	111,000	202,000	154,000	78,800	73,000
12	62,000	62,300	87,200	80,800	62,500	56,400	49,300	112,000	201,000	139,000	79,500	70,100
13	59,200	64,000	90,400	77,000	62,700	53,800	43,200	115,000	198,000	135,000	80,900	67,000
14	58,700	67,500	88,400	84,600	65,100	53,900	49,200	115,000	197,000	130,000	81,800	64,700
15	59,100	68,500	85,900	81,400	69,100	60,300	49,100	120,000	198,000	132,000	79,400	68,800
16	63,300	67,200	87,300	74,100	60,200	59,900	52,800	127,000	195,000	119,000	75,700	62,500
17	61,200	64,700	89,900	79,600	62,500	65,900	52,300	133,000	194,000	116,000	81,900	70,300
18	62,200	72,700	90,500	78,900	62,000	71,000	58,800	156,000	190,000	115,000	87,500	69,400
19	64,400	75,300	82,200	80,500	58,900	69,700	60,400	158,000	172,000	109,000	76,000	66,700
20	66,000	79,400	89,200	83,200	62,100	72,000	60,400	173,000	158,000	107,000	78,500	67,100
21	60,200	86,400	93,500	80,500	63,600	67,700	67,100	185,000	160,000	109,000	83,700	61,600
22	62,600	76,300	91,800	84,800	67,100	68,100	68,200	188,000	164,000	112,000	80,100	66,200
23	63,600	77,900	91,400	87,300	63,100	63,400	71,300	194,000	168,000	103,000	83,300	65,500
24	64,700	74,900	89,300	88,700	60,300	68,500	74,300	195,000	172,000	102,000	86,000	67,700
25	65,000	65,200	92,100	88,600	65,000	63,800	76,200	197,000	171,000	98,200	82,700	67,400
26	59,900	73,000	88,600	80,700	67,600	58,100	70,600	202,000	175,000	95,000	81,700	66,000
27	60,100	69,000	89,000	73,800	66,300	62,300	66,100	202,000	174,000	97,100	82,800	65,100
28	55,900	76,000	83,600	85,200	67,000	63,500	68,700	203,000	183,000	97,900	84,300	63,000
29	60,400	72,200	83,900	81,100	68,000	62,600	69,700	201,000	180,000	96,000	88,400	67,100
30	63,000	71,300	81,600	81,400	---	58,600	68,200	207,000	172,000	95,800	86,700	66,100
31	61,700	---	89,300	79,800	---	61,800	---	208,000	---	90,900	85,400	---
<b>Total</b>	1,976,800	2,092,400	2,752,100	2,547,000	1,824,300	1,910,800	1,704,900	4,382,100	5,754,000	4,094,900	2,570,300	2,094,700
<b>Mean</b>	63,770	69,750	88,780	82,160	62,910	61,640	56,830	141,400	191,800	132,100	82,910	69,820
<b>Max</b>	73,000	86,400	100,000	88,700	77,300	72,000	76,200	208,000	217,000	190,000	92,300	82,500
<b>Min</b>	55,900	61,000	79,500	73,800	55,700	53,800	40,300	67,200	158,000	90,900	75,700	61,600
<b>Ac-ft</b>	3,921,000	4,150,000	5,459,000	5,052,000	3,618,000	3,790,000	3,382,000	8,692,000	11,410,000	8,122,000	5,098,000	4,155,000

	Calendar Year 2007	Water Year 2008
<b>Total</b>	36,798,900	33,704,300
<b>Mean</b>	100,800	92,090
<b>Max</b>	186,000	217,000
<b>Min</b>	55,900	40,300
<b>Ac-ft</b>	72,990,000	66,850,000

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