

12323000 COLUMBIA RIVER AT BIRCHBANK, BRITISH COLUMBIA

Undefined Basin

LOCATION.--Lat 49°10'40", long 117°42'59" referenced to North American Datum of 1927, Hydrologic Unit is unknown, on right bank at Birchbank, British Columbia, 0.7 mi downstream from Sullivan Creek, 7 mi upstream from Trail, 11.7 mi downstream from Kootenay River, 17.4 mi upstream from international boundary, and at mile 762.4.

DRAINAGE AREA.--34,000 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1913 to current year in reports of Geological Survey and Water Survey of Canada. Published as "at Trail, British Columbia" 1913-37.

REVISED RECORDS.--WSP 982: 1942. WSP 1216: 1949.

GAGE.--Water-stage recorder. Datum of gage is 1,329.90 ft above NGVD of 1929, 1947 international joint adjustment, published as 1,338.00 ft prior to October 1948. Prior to Oct. 1, 1937, nonrecording gage on highway bridge at site 6.8 mi downstream at datum 16.27 ft lower.

COOPERATION.--Discharge records furnished by Environment Canada, Monitoring and Systems Branch, Water Survey Division. This station is maintained by Canada under agreement with the United States.

REMARKS.--Flow regulated by six major reservoirs, and by numerous small reservoirs and powerplants. Diversions upstream from station for irrigation of about 25,000 acres.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--93 years (water years 1914-2006), 71,110 ft³/s, 51,520,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 377,000 ft³/s, June 9, 1961, gage height, 50.05 ft; maximum gage height, 50.62 ft, June 11, 1948; minimum discharge observed, 8,940 ft³/s, Feb. 3, 1937, gage height, 6.27 ft, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 134,000 ft³/s, May 25; minimum daily discharge, 37,100 ft³/s, Feb. 14.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70,300	55,100	66,400	57,900	40,600	41,300	43,800	59,000	112,000	110,000	93,200	81,900
2	70,300	54,700	69,200	66,400	41,700	41,300	41,000	59,000	114,000	107,000	94,300	72,400
3	71,000	54,700	74,900	58,300	41,700	42,700	41,000	59,300	117,000	106,000	93,900	71,700
4	70,600	52,300	76,600	56,500	41,000	46,300	41,000	58,600	116,000	104,000	93,900	71,700
5	67,800	49,100	77,000	60,700	40,600	46,300	40,600	59,000	115,000	100,000	93,600	71,700
6	63,900	47,700	75,900	56,500	40,600	43,800	41,000	59,000	114,000	97,100	92,200	71,700
7	63,900	49,100	76,600	55,400	40,600	41,700	42,000	56,500	114,000	98,200	91,100	71,700
8	62,500	49,800	83,300	57,200	40,600	41,700	42,700	55,400	115,000	104,000	86,500	71,700
9	60,700	52,600	87,900	52,600	40,300	39,600	43,100	55,100	115,000	103,000	84,000	71,300
10	59,700	52,600	96,100	58,300	40,300	42,000	43,800	54,700	112,000	102,000	83,700	70,300
11	59,700	53,300	95,000	48,000	38,100	52,300	44,500	54,400	110,000	102,000	81,900	78,400
12	61,100	52,300	94,600	49,100	37,800	54,700	44,800	54,400	110,000	105,000	84,800	78,400
13	62,200	52,300	101,000	54,000	40,300	56,500	45,200	54,700	110,000	113,000	85,100	78,400
14	63,600	54,400	106,000	47,000	37,100	59,700	47,700	54,400	112,000	114,000	85,100	78,000
15	62,200	56,500	103,000	53,700	40,300	60,000	48,000	55,100	115,000	115,000	84,800	77,700
16	62,200	58,600	104,000	49,400	43,800	61,800	48,700	60,000	113,000	114,000	84,400	77,700
17	62,500	59,300	102,000	47,700	44,100	66,000	48,700	68,900	112,000	113,000	84,000	77,700
18	65,000	57,600	103,000	44,800	40,300	66,400	48,400	80,500	112,000	111,000	83,000	76,300
19	65,700	52,300	102,000	44,800	39,200	62,900	49,100	93,600	111,000	108,000	84,400	71,000
20	66,000	52,300	93,900	39,600	46,600	64,600	48,400	112,000	111,000	103,000	99,900	67,800
21	65,700	57,900	87,200	38,800	46,300	63,900	48,000	119,000	111,000	92,900	101,000	66,700
22	65,700	59,000	84,000	45,900	46,300	65,300	48,400	123,000	110,000	95,400	101,000	67,500
23	65,300	59,300	81,900	43,800	46,300	65,300	48,400	130,000	115,000	93,600	100,000	66,400
24	65,000	58,600	78,800	44,800	46,300	65,700	48,400	133,000	123,000	95,400	99,200	65,300
25	63,900	57,900	78,400	43,800	46,300	65,000	48,700	134,000	121,000	99,200	99,200	67,100
26	61,800	58,300	78,400	41,000	46,300	61,100	49,100	129,000	119,000	98,500	99,200	61,100
27	59,700	63,900	78,000	40,300	43,400	53,700	49,100	123,000	117,000	102,000	99,200	61,400
28	59,700	63,600	79,100	40,300	41,300	50,900	49,800	120,000	115,000	100,000	99,200	61,800
29	57,200	63,200	74,200	40,300	---	43,100	51,900	117,000	112,000	97,500	99,600	60,400
30	55,100	63,900	65,300	40,600	---	41,700	59,000	114,000	112,000	97,100	99,200	57,900
31	55,100	---	58,300	40,600	---	46,300	---	113,000	---	96,400	96,400	---
Total	1,965,100	1,672,200	2,632,000	1,518,100	1,178,100	1,653,600	1,394,300	2,618,600	3,415,000	3,197,300	2,857,000	2,123,100
Mean	63,390	55,740	84,900	48,970	42,080	53,340	46,480	84,470	113,800	103,100	92,160	70,770
Max	71,000	63,900	106,000	66,400	46,600	66,400	59,000	134,000	123,000	115,000	101,000	81,900
Min	55,100	47,700	58,300	38,800	37,100	39,600	40,600	54,400	110,000	92,900	81,900	57,900
Ac-ft	3,898,000	3,317,000	5,221,000	3,011,000	2,337,000	3,280,000	2,766,000	5,194,000	6,774,000	6,342,000	5,667,000	4,211,000

	Calendar Year 2005	Water Year 2006
Total	26,303,700	26,224,400
Mean	72,060	71,850
Max	116,000	134,000
Min	38,500	37,100
Ac-ft	52,170,000	52,020,000

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