

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. WDR-US-2007: 2006.

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.--97 years (water years 1914-2010), 70,830 ft³/s, 51,320,000 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, 97,500 ft³/s, June 16; minimum daily discharge, 28,600 ft³/s, April 15.

12323000 COLUMBIA RIVER AT BIRCHBANK, BRITISH COLUMBIA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	57,600	40,300	65,300	70,300	41,300	41,000	34,400	47,700	77,000	89,700	68,200	53,000
2	56,200	40,300	66,400	68,200	41,700	39,600	33,700	50,900	78,800	88,600	66,700	53,000
3	53,700	40,300	68,200	65,700	41,300	39,600	33,800	50,500	83,000	85,800	66,700	53,000
4	54,000	40,300	69,900	65,700	41,700	39,600	32,600	49,400	82,300	82,600	67,100	51,200
5	54,000	40,300	73,500	66,400	42,400	39,900	31,000	49,800	83,000	84,800	66,400	49,100
6	53,700	41,300	77,300	66,400	42,700	40,600	31,000	49,100	81,600	92,900	66,400	49,100
7	48,700	49,100	83,000	66,400	42,700	45,200	31,000	48,700	82,300	97,100	63,600	48,700
8	44,100	53,300	87,200	66,400	42,700	45,600	31,100	43,400	83,000	95,000	60,700	48,400
9	44,100	53,300	87,200	66,400	42,000	45,600	30,700	43,400	84,800	93,600	60,700	47,000
10	41,300	53,700	89,000	65,700	42,000	45,600	30,100	44,100	86,500	90,800	60,700	47,000
11	38,100	53,700	86,900	65,000	42,000	45,600	30,100	43,800	85,500	90,800	61,100	47,000
12	38,100	53,700	87,900	58,300	42,000	45,600	29,900	43,400	87,600	90,400	62,500	47,000
13	38,100	53,700	90,400	52,600	42,000	46,300	29,100	43,800	91,800	88,300	62,200	47,000
14	38,100	53,300	89,000	50,900	41,700	45,900	28,700	43,800	95,000	88,300	62,500	47,000
15	38,100	53,000	88,600	48,400	43,100	45,900	28,600	44,500	96,400	86,500	62,500	47,000
16	38,100	53,300	82,600	48,400	42,700	46,300	28,700	47,000	97,500	86,200	61,800	47,000
17	35,700	53,700	79,800	48,400	42,000	46,300	28,800	49,400	96,100	85,500	60,700	47,000
18	33,400	55,400	78,000	48,000	42,000	46,600	28,900	54,400	96,100	84,400	60,700	51,200
19	33,300	55,400	78,800	46,600	42,000	46,600	29,500	64,600	95,300	84,800	60,700	56,200
20	33,300	55,100	79,800	46,600	42,000	47,000	31,700	67,100	95,700	80,200	60,700	56,200
21	33,300	57,200	79,500	45,900	42,000	46,600	34,300	66,700	96,400	75,600	56,900	56,200
22	33,400	59,300	83,300	45,200	42,000	46,600	39,200	66,400	95,300	73,800	53,300	56,200
23	33,800	59,000	81,900	44,800	42,000	47,700	42,000	67,100	93,600	70,600	53,700	56,200
24	33,500	59,700	79,800	45,200	42,000	47,700	42,700	67,800	92,900	71,000	53,300	56,200
25	33,400	60,000	79,500	45,200	42,000	47,300	42,700	68,500	91,500	71,000	53,300	55,100
26	33,600	59,700	75,600	43,800	42,000	47,300	42,700	68,500	90,800	70,600	53,300	54,000
27	33,400	60,400	72,400	43,100	42,000	47,300	42,700	69,600	89,700	72,700	53,000	54,400
28	33,400	62,500	74,900	43,100	42,000	47,000	43,800	71,700	87,900	72,000	53,000	54,400
29	33,500	63,600	75,900	43,100	---	47,300	44,500	71,700	86,900	70,600	53,000	54,000
30	34,700	63,200	74,900	42,400	---	45,200	43,800	72,400	88,600	70,600	53,000	54,000
31	40,300	---	72,700	41,300	---	38,500	---	74,500	---	69,200	53,300	---
Total	1,248,000	1,597,100	2,459,200	1,663,900	1,178,000	1,392,900	1,031,800	1,743,700	2,672,900	2,554,000	1,851,700	1,542,800
Mean	40,260	53,240	79,330	53,670	42,070	44,930	34,390	56,250	89,100	82,390	59,730	51,430
Max	57,600	63,600	90,400	70,300	43,100	47,700	44,500	74,500	97,500	97,100	68,200	56,200
Min	33,300	40,300	65,300	41,300	41,300	38,500	28,600	43,400	77,000	69,200	53,000	47,000
Ac-ft	2,475,000	3,168,000	4,878,000	3,300,000	2,337,000	2,763,000	2,047,000	3,459,000	5,302,000	5,066,000	3,673,000	3,060,000

	Calendar Year 2009	Water Year 2010
Total	21,895,000	20,936,000
Mean	59,990	57,360
Max	96,400	97,500
Min	33,300	28,600
Ac-ft	43,430,000	41,530,000

12323000 COLUMBIA RIVER AT BIRCHBANK, BRITISH COLUMBIA—Continued

