

COLUMBIA RIVER MAIN STEM

14144700 COLUMBIA RIVER AT VANCOUVER, WA

LOCATION.--Lat 45°37'15", long 122°40'20", in NE 1/4 NW 1/4 sec.34, T.2 N., R.1 E., Clark County, Hydrologic Unit 17080001, near right bank in control house of Interstate Highway 5 bridge at south edge of Vancouver, 5.0 mi upstream from Willamette River, and at mile 106.5.

DRAINAGE AREA.--241,000 mi², approximately.

PERIOD OF RECORD.--October 1963 to June 1970 (discharge), February 1998 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 1.82 ft above NGVD of 1929. Prior to February 1998, datum of gage was NGVD of 1929.

REMARKS.--Considerable regulation by many large reservoirs. Diurnal fluctuations caused by powerplant operations at Bonneville Dam and tides. Gage maintained by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 27.60 ft Dec. 25, 1964, present datum, (backwater from Willamette River).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 7, 1894, reached a stage of 34.4 ft, present datum, from information provided by U.S. Army Corps of Engineers. Flood of June 13, 14, 1948, reached a stage of 31.0 ft, present datum, from Weather Bureau records.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 12.92 ft Apr. 18; minimum, -0.68 ft Oct. 26.

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	3.30	-0.02	1.62	4.60	1.28	2.74	8.32	6.42	7.37	---	---	---
2	3.68	0.42	1.99	4.72	1.38	2.81	8.22	7.12	7.84	6.72	---	---
3	3.72	0.50	2.04	4.44	1.30	2.57	8.32	6.92	7.65	5.62	3.72	4.63
4	3.24	0.16	1.66	4.04	0.86	2.18	7.22	6.12	6.75	5.02	3.12	4.14
5	3.78	0.00	1.68	3.88	0.80	2.10	6.92	5.82	6.49	5.12	2.92	4.04
6	3.64	0.48	1.84	4.04	0.72	2.23	6.82	5.72	6.40	5.52	3.12	4.27
7	3.32	0.20	1.50	3.32	0.98	1.97	6.72	5.42	6.04	7.42	4.22	5.90
8	3.28	-0.10	1.32	3.24	0.56	1.74	6.02	4.92	5.50	8.42	6.82	7.48
9	2.88	-0.26	1.06	3.22	0.92	2.05	5.92	4.52	5.30	8.12	7.12	7.60
10	3.44	-0.64	1.03	3.68	0.72	2.11	6.02	4.02	4.91	8.52	7.52	7.97
11	3.48	0.22	1.60	3.68	0.32	1.97	6.22	4.02	5.05	7.72	6.22	7.24
12	2.98	-0.46	1.28	4.36	0.64	2.41	6.12	4.32	5.15	7.02	5.42	6.16
13	3.28	-0.26	1.42	4.82	1.40	2.94	7.02	4.42	5.65	6.62	5.02	5.64
14	3.28	0.00	1.68	6.42	1.62	4.05	8.22	6.32	7.54	6.02	4.62	5.37
15	3.96	0.36	2.08	6.52	3.42	4.69	8.02	6.82	7.55	5.32	3.92	4.76
16	4.40	0.90	2.48	6.02	2.92	4.20	8.62	7.02	7.77	6.52	4.32	5.48
17	4.60	1.00	2.56	5.42	2.52	3.67	9.22	8.12	8.67	6.22	5.02	5.58
18	4.76	1.50	2.92	4.92	2.42	3.44	9.52	8.02	8.67	5.42	4.22	4.77
19	4.42	1.04	2.51	4.92	1.62	2.97	9.52	8.02	8.81	5.02	3.72	4.30
20	3.84	0.64	1.99	5.02	2.02	3.45	8.82	6.62	7.61	4.92	2.92	3.98
21	3.52	0.14	1.60	4.52	2.42	3.61	7.82	6.82	7.18	5.62	3.82	4.84
22	3.80	0.00	1.62	5.12	2.32	3.90	7.82	5.52	6.69	5.92	4.42	5.27
23	3.40	0.76	1.94	4.72	3.42	4.06	6.12	4.72	5.51	6.52	5.32	5.93
24	2.28	-0.40	1.12	5.02	3.52	4.17	5.32	3.92	4.68	7.22	5.82	6.51
25	2.48	-0.08	1.21	4.82	3.32	4.06	4.72	3.12	3.86	7.22	6.12	6.74
26	2.44	-0.68	0.97	4.42	2.72	3.54	4.82	2.92	3.68	8.72	6.82	7.84
27	3.04	-0.08	1.48	4.62	2.72	3.56	5.42	3.02	3.85	8.42	7.52	8.01
28	2.92	-0.16	1.33	6.72	3.32	4.87	6.02	3.02	4.21	8.62	7.42	7.91
29	3.44	0.28	1.71	7.22	4.92	6.33	6.12	3.32	4.37	8.52	7.12	7.64
30	4.12	0.68	2.15	7.22	5.82	6.61	6.22	3.22	4.36	8.22	6.82	7.47
31	4.44	0.98	2.59	---	---	---	6.32	3.22	4.42	7.72	6.12	6.95
MONTH	4.76	-0.68	1.74	7.22	0.32	3.37	9.52	2.92	6.11	---	---	---

14144700 COLUMBIA RIVER AT VANCOUVER, WA--Continued

GAGE HEIGHT, in FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.22	5.92	6.54	5.92	4.02	4.89	5.42	2.62	3.92	6.82	5.42	6.07
2	6.52	5.02	5.78	5.42	2.92	4.07	5.72	3.72	4.54	6.42	4.92	5.66
3	6.12	4.22	5.10	5.32	2.52	3.65	5.02	2.82	3.93	6.12	4.92	5.53
4	5.12	3.22	4.20	5.12	2.12	3.31	4.12	2.12	3.16	6.02	4.92	5.58
5	6.02	4.32	4.98	5.22	2.22	3.31	3.92	2.12	3.17	6.02	5.12	5.61
6	5.82	4.02	4.81	5.02	2.32	3.32	3.72	1.82	3.00	5.72	4.32	4.96
7	6.22	4.32	5.11	4.62	2.72	3.42	3.82	1.92	3.04	5.82	4.32	5.27
8	6.92	4.82	6.04	4.32	2.22	3.46	4.22	1.82	3.21	6.62	5.12	6.03
9	7.12	5.92	6.51	4.32	2.12	3.17	4.92	3.12	4.13	6.62	4.82	5.77
10	6.42	4.62	5.76	5.12	2.12	3.71	5.82	3.42	4.86	5.82	4.02	4.83
11	5.62	3.92	4.78	6.02	2.72	4.27	6.72	4.72	5.83	5.32	3.82	4.63
12	6.02	4.42	5.14	6.92	3.92	5.55	6.82	5.72	6.31	6.02	4.22	4.96
13	5.62	3.72	4.79	7.82	5.82	6.95	7.62	5.92	6.81	5.52	3.92	4.66
14	5.72	3.62	4.64	7.62	6.22	7.07	9.62	7.32	8.82	6.02	4.42	5.18
15	5.22	3.32	4.51	6.72	5.52	6.15	10.32	9.02	9.51	6.12	4.52	5.24
16	4.52	2.22	3.56	6.82	5.52	6.10	12.42	10.32	11.45	6.12	4.42	5.21
17	4.72	2.62	3.46	5.92	4.22	5.04	12.92	12.42	12.67	5.72	4.32	4.95
18	4.52	2.22	3.21	4.92	3.02	4.02	12.92	12.02	12.46	6.32	4.72	5.47
19	5.32	2.42	3.71	5.32	3.82	4.40	12.02	10.82	11.49	5.62	4.42	5.05
20	4.62	3.02	3.63	5.22	3.82	4.35	10.82	8.92	9.92	5.72	4.82	5.33
21	5.02	3.22	3.90	4.42	3.22	3.78	9.42	8.62	9.15	6.32	5.32	5.94
22	5.12	3.32	4.08	4.42	2.82	3.64	8.82	7.42	8.24	7.42	6.02	7.10
23	5.52	3.52	4.32	4.32	2.42	3.38	7.92	7.32	7.63	8.42	7.22	7.79
24	5.62	3.52	4.48	4.42	2.32	3.32	7.92	7.22	7.55	8.32	7.32	7.73
25	5.62	3.92	4.84	4.72	2.32	3.45	8.12	6.72	7.36	---	7.32	---
26	6.22	3.92	4.96	5.22	2.52	3.71	7.82	6.62	7.11	8.22	6.62	7.32
27	6.22	3.92	5.17	5.52	2.72	4.04	7.62	6.22	6.87	7.72	6.02	6.84
28	6.02	4.12	5.02	5.62	3.32	4.37	7.82	5.62	6.61	8.42	6.72	7.71
29	---	---	---	5.42	3.12	4.20	6.82	5.02	5.77	9.52	8.02	8.91
30	---	---	---	5.52	2.92	4.05	7.12	5.22	6.09	9.42	8.82	9.14
31	---	---	---	5.62	2.92	3.94	---	---	---	9.42	8.92	9.14
MONTH	7.22	2.22	4.75	7.82	2.12	4.26	12.92	1.82	6.82	---	3.82	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.22	9.12	9.44	9.22	8.32	8.68	4.24	2.05	2.92	3.90	1.05	1.98
2	10.42	9.22	9.82	9.02	8.42	8.63	4.30	1.90	2.81	3.52	0.60	1.68
3	9.42	8.32	8.78	8.92	7.52	8.24	4.27	2.24	2.93	3.50	0.05	1.72
4	9.22	8.62	8.97	8.22	7.62	7.86	4.42	1.79	2.84	4.06	0.38	2.26
5	10.42	9.12	9.67	8.32	6.72	7.49	4.28	1.51	2.84	4.87	1.28	2.87
6	11.32	10.42	11.08	7.52	5.62	6.34	5.36	2.73	3.81	4.93	1.31	2.97
7	11.42	10.52	11.03	7.22	5.42	6.11	5.35	---	---	4.99	1.30	2.97
8	10.72	10.42	10.59	7.12	5.22	6.07	5.39	2.31	3.62	4.51	0.95	2.61
9	10.62	9.42	10.01	6.62	---	---	5.92	3.06	4.35	4.32	0.73	2.40
10	9.82	8.52	9.15	---	---	---	5.81	2.59	4.05	5.02	0.94	2.59
11	9.62	8.42	8.89	6.99	4.95	5.78	5.40	2.65	3.87	4.93	1.22	2.85
12	9.92	8.22	9.10	7.28	5.66	6.37	5.25	2.17	3.60	4.08	0.66	2.31
13	9.12	8.12	8.64	7.79	5.97	6.82	5.69	2.34	3.67	3.67	0.31	1.64
14	9.32	7.82	8.60	7.07	5.42	6.29	5.78	2.53	3.81	4.03	0.33	1.85
15	8.42	7.52	7.97	6.98	5.58	6.15	5.67	2.43	3.69	4.22	0.86	2.03
16	8.22	7.02	7.75	6.98	4.63	5.78	5.66	2.70	3.71	3.42	0.01	1.62
17	8.22	6.82	7.31	6.27	4.29	5.00	5.33	2.10	3.33	3.55	0.19	1.95
18	8.62	7.52	7.99	6.73	5.25	5.81	4.66	1.54	2.79	4.17	0.80	2.41
19	9.32	8.12	8.79	7.03	4.59	5.55	4.83	1.86	3.11	4.03	0.88	2.43
20	10.32	9.32	10.11	6.61	4.34	5.24	5.03	2.13	3.38	4.07	1.03	2.58
21	10.82	10.22	10.45	6.70	4.50	5.65	5.23	2.46	3.59	4.16	1.16	2.62
22	10.82	9.32	10.07	6.70	4.97	5.77	5.22	2.22	3.52	3.93	0.78	2.37
23	9.82	8.22	8.92	7.03	4.50	5.63	5.00	2.23	3.46	4.77	1.06	2.74
24	9.62	8.32	8.92	6.53	4.21	5.23	4.90	2.25	3.49	4.55	1.64	3.03
25	9.62	8.22	8.83	6.47	4.17	5.16	4.61	1.70	3.17	4.34	1.07	2.42
26	8.82	7.62	8.18	5.89	3.38	4.56	3.87	1.31	2.50	4.65	1.28	2.54
27	8.62	7.72	8.18	5.14	2.89	3.94	4.08	1.11	2.41	4.42	1.48	2.64
28	9.22	8.32	8.74	4.41	2.19	3.44	4.39	1.37	2.59	3.73	0.83	2.10
29	10.42	9.22	9.98	4.10	1.75	3.07	3.99	1.49	2.63	3.38	0.53	1.65
30	10.42	9.02	9.67	4.81	2.70	3.39	3.97	0.91	1.99	3.25	0.13	1.41
31	---	---	---	4.75	1.91	3.18	3.87	1.26	2.08	---	---	---
MONTH	11.42	6.82	9.19	---	---	---	5.92	---	---	5.02	0.01	2.31