CHEHALIS RIVER BASIN

12035100 CHEHALIS RIVER NEAR MONTESANO, WA

LOCATION.--Lat 46°57'45", long 123°36'12", in NE $^1/_4$ SW $^1/_4$ sec.18, T.17 N., R.7 W., Grays Harbor County, Hydrologic Unit 17100104, on downstream side of State Highway 107 bridge, 0.2 mi upstream from Wynoochee River, 1.1 mi south of Montesano and at mile 13.2.

DRAINAGE AREA.--1,780 mi^2.

PERIOD OF RECORD.--October 2001 to September 2002.

GAGE.--Water-stage recorder. Datum of gage is 3.32 ft above NGVD of 1929.

REMARKS.--Elevation record only. Large diurnal fluctuation because of tides. Minor effect from regulation on Skookumchuck River by Skookumchuck Dam since January 1971. Up to 54 ft^3/s of Skookumchuck River is consumptively used at Centralia steam generating plant. Many small diversions for irrigation and domestic use upstream from station, including about 3 ft^3/s for municipal water supply for Centralia and Chehalis. U.S. Geological Survey satellite telemeter at station. Chemical analyses, March 1970 to September 1971, October 1977 to June 1980.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded elevation, 18.66 ft Dec. 17, 2001, minimum recorded elevation, -1.17 ft July 12, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 18.66 ft Dec. 17; minimum recorded elevation, -1.17 ft July 12.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	13.21	2.39	16.82	11.87	14.22	2.66	13.50	5.74	12.95	2.38
2	12.20	1.58	13.13	2.08	16.07	11.31	14.59	3.84	13.35	5.60	13.05	2.27
3	12.32	1.20	13.05	1.33	15.13	10.21	13.33	3.98	13.77	5.60	13.02	2.09
4	12.31	1.07	12.86	1.24	14.97	9.90	12.75	3.79	12.88	5.33	13.10	2.45
5	12.89	1.27	12.48	1.02	14.20	8.74	13.01	3.59	13.18	5.26	13.10	2.83
6	12.67	1.01	11.98	1.11	13.56	8.28	13.18	4.87	13.09	5.51	12.41	3.27
7	12.37	1.45	11.13	1.34	12.51	7.69	15.52	8.45	13.59	6.36	11.89	3.36
8	---	---	10.80	1.37	12.99	6.99	16.18	12.90	13.29	5.78	11.39	2.59
9	---	---	11.12	1.65	12.67	6.56	15.40	11.54	13.00	5.81	11.87	2.99
10	---	---	11.96	1.73	13.35	5.75	15.16	10.95	13.28	5.46	13.03	3.32
11	---	---	12.87	2.07	13.56	4.84	14.76	9.00	12.68	4.22	13.68	6.75
12	---	---	13.41	2.23	13.78	4.91	14.29	6.61	12.58	3.66	14.09	7.44
13	---	---	13.87	3.06	15.37	7.59	13.54	5.29	12.51	3.19	13.48	7.30
14	---	---	15.51	7.23	16.00	11.47	13.26	4.44	11.88	2.75	13.14	7.23
15	---	---	16.43	11.39	15.37	10.87	12.87	3.66	11.97	3.24	13.17	7.03
16	---	---	15.52	9.56	17.35	12.12	12.69	3.32	12.09	3.76	13.28	6.15
17	---	---	14.39	7.43	18.66	15.98	11.65	3.11	12.35	4.34	12.72	5.37
18	---	---	13.56	5.11	17.22	14.73	11.42	3.90	12.09	4.62	12.25	4.61
19	---	---	13.42	5.89	16.09	13.57	11.81	4.33	12.96	5.67	12.35	4.60
20	---	---	13.57	6.31	15.15	11.68	12.28	4.55	11.88	4.66	12.06	5.06
21	---	---	13.11	7.47	13.97	9.77	12.32	5.79	12.69	6.18	11.49	5.96
22	---	---	13.64	8.78	12.99	8.49	12.23	5.94	13.99	10.19	11.89	5.69
23	---	---	12.88	9.55	12.21	7.77	11.77	5.23	14.07	8.19	11.87	4.74
24	10.08	2.82	13.06	8.86	12.00	6.32	13.08	7.31	13.38	6.21	12.03	3.51
25	10.71	3.73	13.09	8.01	12.17	5.11	15.61	11.94	13.20	5.33	12.41	2.87
26	11.08	3.97	12.45	5.87	12.73	4.12	15.37	11.22	13.61	3.85	13.10	2.49
27	11.28	3.41	12.67	4.68	13.20	3.73	15.42	10.73	13.59	3.17	13.07	2.13
28	11.60	3.15	14.49	6.33	13.80	3.13	15.19	9.49	13.30	2.55	13.12	2.08
29	12.06	2.70	15.01	8.04	14.02	2.44	14.83	7.10	---	---	13.27	1.96
30	12.97	2.85	15.07	8.68	13.98	2.07	14.51	5.83	---	---	13.21	1.49
31	13.29	2.91	---	---	14.22	2.30	14.06	6.00	---	---	13.38	1.44
MONTH	13.29	1.01	16.43	1.02	18.66	2.07	16.18	2.66	14.07	2.55	14.09	1.44

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.27	1.13	12.62	0.58	10.73	1.86	10.79	2.43	11.18	3.68	10.88	2.26
2	12.52	1.04	11.97	1.31	10.33	2.21	10.69	2.97	11.25	3.13	11.49	1.68
3	11.85	1.44	10.79	1.82	10.71	2.81	10.77	3.73	11.49	2.74	12.01	0.97
4	11.01	2.18	10.05	2.63	11.32	3.26	11.25	3.15	11.84	1.89	12.38	0.17
5	11.07	2.98	10.29	2.77	11.53	3.73	11.75	2.43	12.46	0.82	12.67	-0.28
6	11.07	2.79	10.71	2.77	11.39	2.58	12.23	1.78	12.48	0.16	13.11	-0.44
7	10.90	2.47	11.04	2.70	11.52	2.15	12.42	1.02	12.81	-0.49	13.38	-0.42
8	11.03	2.54	11.07	2.57	11.69	1.00	12.51	0.00	13.00	-0.89	13.17	-0.31
9	11.86	2.84	11.27	1.94	11.87	0.04	12.54	-0.63	13.11	-0.93	13.29	0.05
10	12.06	3.56	11.56	1.03	12.36	0.12	12.97	-0.78	13.19	-0.97	13.34	0.51
11	12.37	3.96	11.80	0.45	---	---	13.11	-0.89	12.87	-0.65	13.21	0.51
12	12.86	3.87	11.99	0.15	12.66	-0.90	12.94	-1.17	12.69	-0.31	12.70	0.61
13	13.48	5.04	12.33	0.05	12.65	-0.51	12.87	-0.69	12.90	0.70	12.16	0.75
14	14.24	8.01	12.37	-0.11	12.65	-0.36	12.43	-0.36	12.88	1.76	11.76	1.40
15	13.83	7.89	12.16	-0.28	12.43	-0.17	12.23	0.13	12.66	1.80	11.68	1.87
16	13.66	7.24	11.95	-0.09	11.95	0.30	12.34	1.31	12.28	1.70	11.84	1.68
17	13.19	6.14	11.65	0.34	12.22	1.55	12.37	2.43	12.04	1.22	11.88	1.55
18	12.28	4.87	11.49	2.33	12.25	2.06	12.56	1.92	12.33	0.70	11.93	0.77
19	11.33	4.06	11.05	1.76	12.43	2.35	12.73	1.30	12.42	0.46	12.05	0.78
20	11.09	3.54	11.61	1.82	12.61	1.50	12.57	0.48	12.53	0.02	11.99	0.66
21	10.71	3.05	12.27	2.01	13.02	0.38	12.65	-0.12	12.53	-0.19	11.88	0.42
22	10.99	2.51	12.82	1.94	13.03	0.40	12.85	-0.37	12.58	-0.28	12.03	0.88
23	11.27	1.81	12.82	1.25	13.18	-0.42	13.28	-0.07	12.45	-0.17	12.34	1.63
24	11.52	1.52	13.11	0.31	13.31	-0.68	13.31	-0.30	12.37	0.15	12.42	1.61
25	12.30	1.54	13.48	-0.15	13.25	-0.79	13.11	-0.18	12.02	0.51	12.08	1.49
26	13.17	1.20	13.64	-0.13	13.18	-0.67	13.06	0.04	11.49	0.94	12.13	1.81
27	13.75	1.15	13.78	-0.29	12.87	-0.36	12.47	0.22	11.60	1.79	11.72	1.88
28	13.67	0.69	13.72	0.12	12.51	0.16	11.67	0.61	11.56	2.67	11.32	2.16
29	13.43	0.44	13.64	1.13	12.61	2.23	11.40	1.37	11.14	2.55	10.83	2.58
30	13.12	1.41	12.82	0.87	11.32	1.97	10.95	2.49	10.94	2.64	10.79	2.59
31	---	---	11.99	1.03	---	---	11.20	3.29	10.73	2.78	---	---
MONTH	14.24	0.44	13.78	-0.29	13.31	-0.90	13.31	-1.17	13.19	-0.97	13.38	-0.44
YEAR	18.66	-1.17										