

Water-Data Report 2013

12035100 CHEHALIS RIVER NEAR MONTESANO, WA

Washington Coastal Basin
Lower Chehalis Subbasin

LOCATION.--Lat 46°57'45", long 123°36'12" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.18, T.17 N., R.7 W., Grays Harbor County, WA, 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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

REVISED RECORDS.--WDR-US-2010: 2002-2009 maximum and minimum (daily) elevation.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988.

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 ft³/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 ft³/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, 19.47 ft, Jan. 8, 2009; minimum recorded elevation, -4.52 ft, July 22, 2009, but may have been lower during period of no elevation record.

EXTREMES FOR CURRENT YEAR.--Maximum recorded elevation, 12.72 ft, Nov. 20, but may have been higher during period of no elevation record; minimum recorded elevation, -4.33 ft, July 23, but may have been lower during period of no elevation record.

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ELEVATION ABOVE NAVD 1988, IN FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	9.13	-2.91	11.18	5.07	11.68	5.88	8.72	0.14	9.30	0.83	10.28	1.76
2	9.04	-3.03	10.28	2.94	11.97	6.68	8.83	0.39	8.97	0.53	10.21	2.12
3	8.56	-3.01	9.67	2.30	11.45	7.34	9.11	0.97	9.25	0.40	9.78	1.36
4	8.50	-2.48	8.83	1.79	12.10	7.75	9.55	1.18	9.41	0.06	9.16	0.55
5	8.17	-1.65	8.11	1.82	11.79	8.43	9.59	1.31	9.93	0.08	9.34	0.66
6	7.85	-1.61	7.79	1.82	11.21	7.96	9.73	0.56	9.92	-0.06	9.43	0.32
7	7.56	-0.93	7.76	1.63	11.27	7.27	10.53	0.74	10.42	-0.12	9.36	0.06
8	7.14	-0.35	8.47	1.45	10.34	4.91	10.67	1.59	10.28	-0.76	9.46	-0.12
9	7.13	-0.15	9.08	0.94	10.32	3.44	12.09	5.39	10.36	-1.11	9.43	-0.75
10	7.42	-0.31	9.54	-0.69	10.54	2.01	11.61	4.41	10.12	-1.45	9.45	-0.93
11	8.11	-0.87	10.05	-1.30	11.61	1.82	11.25	3.16	9.79	-1.56	9.73	-0.88
12	8.95	-0.99	11.14	0.30	11.64	1.17	10.93	1.58	9.55	-1.43	10.04	-0.29
13	9.66	-1.53	11.29	0.10	11.65	0.86	10.47	0.29	9.62	-1.13	10.36	2.26
14	10.46	-1.45	11.18	-0.36	11.52	0.40	9.80	-0.49	9.40	-0.78	10.44	2.27
15	10.88	-1.15	11.08	-0.97	11.81	1.00	9.52	-0.80	8.99	-0.80	10.05	1.57
16	10.98	-2.06	10.81	-1.15	11.09	2.37	9.12	-0.60	8.87	-0.11	9.69	1.21
17	10.73	-2.86	10.82	-0.25	12.41	3.14	8.92	0.27	8.10	0.08	8.85	0.95
18	10.54	-2.77	10.46	0.43	10.84	4.56	8.93	0.46	8.04	0.58	8.56	0.99
19	10.20	-1.83	12.46	2.30	10.90	4.64	8.29	0.51	8.04	0.43	7.39	1.30
20	9.61	-2.37	12.72	9.96	11.64	6.32	8.19	0.14	7.60	-0.33	9.31	4.10
21	8.98	-2.00	12.02	8.76	11.25	6.88	8.14	-0.10	8.20	-0.58	8.27	4.01
22	8.68	-1.27	11.47	8.10	11.34	6.90	8.61	-0.44	9.59	1.03	7.98	3.28
23	8.78	-0.54	11.47	7.68	11.26	5.70	9.31	-0.73	9.09	1.59	8.26	2.08
24	9.17	-0.07	11.53	6.70	10.41	3.86	9.29	-1.11	9.47	1.13	8.52	1.11
25	8.98	-0.45	10.38	4.09	10.68	3.95	9.88	-0.95	9.82	1.21	8.93	0.55
26	9.47	-0.80	10.06	2.50	11.06	4.01	9.95	-0.87	9.56	0.93	9.47	0.10
27	9.91	-0.60	10.19	1.47	10.54	3.52	10.04	-1.04	9.84	0.68	9.98	-0.32
28	10.17	-0.62	10.20	1.05	10.60	2.96	9.88	-0.94	9.81	0.76	10.28	-0.93
29	10.27	0.11	10.95	1.19	10.24	1.93	9.23	-0.83	---	---	10.41	-1.31
30	10.33	1.87	11.48	2.45	9.82	1.06	9.14	0.07	---	---	10.18	-1.86
31	11.63	5.27	---	---	9.47	0.53	9.23	0.89	---	---	10.15	-1.76
Month	11.63	-3.03	12.72	-1.30	12.41	0.40	12.09	-1.11	10.42	-1.56	10.44	-1.86

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ELEVATION ABOVE NAVD 1988, IN FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	9.99	-1.56	8.13	-2.86	9.10	-0.02	8.88	-0.26	8.38	-1.08	---	---
2	9.24	-1.60	7.64	-2.20	8.83	0.26	8.53	-0.89	8.69	-1.49	---	---
3	8.57	-1.32	7.85	-1.64	8.90	-0.72	8.38	-1.74	8.65	-1.98	---	---
4	8.81	-0.70	8.72	-1.14	8.99	-1.48	8.66	-2.24	8.75	-2.54	---	---
5	9.33	0.56	9.31	-0.70	8.98	-1.96	8.66	-2.60	8.83	-2.86	---	---
6	9.66	2.29	9.32	-1.16	9.19	-2.37	8.91	-2.88	9.01	-3.07	---	---
7	10.23	3.38	9.61	-1.72	9.50	-2.53	9.17	-3.04	9.17	-3.12	---	---
8	10.61	3.96	9.61	-2.47	9.29	-2.86	9.14	-3.18	9.15	-2.90	---	---
9	10.39	3.68	9.56	-2.89	9.08	-3.08	9.07	-3.40	---	---	---	---
10	10.57	2.84	9.51	-3.06	8.86	-3.21	8.93	-3.19	---	---	---	---
11	10.15	1.70	9.39	-3.07	8.90	-2.85	8.74	-2.80	---	---	---	---
12	9.73	0.84	9.34	-2.79	8.64	-2.72	8.49	-2.61	---	---	---	---
13	9.77	0.63	9.17	-2.29	8.19	-2.30	8.38	-2.21	---	---	---	---
14	9.27	0.50	8.50	-2.20	7.76	-1.92	8.43	-1.71	---	---	---	---
15	8.88	0.57	8.26	-1.48	8.06	-1.01	8.70	-0.51	---	---	---	---
16	7.98	0.41	7.68	-0.85	8.09	-0.53	9.03	-0.46	---	---	---	---
17	7.18	0.36	7.67	-0.15	8.61	0.17	9.15	-0.91	---	---	---	---
18	6.63	0.44	7.77	-0.10	9.38	-0.27	9.37	-1.97	---	---	---	---
19	7.20	1.02	7.71	-0.27	9.73	-1.05	9.73	-3.01	---	---	---	---
20	7.72	0.72	8.74	-0.24	10.17	-2.22	9.70	-3.71	---	---	---	---
21	8.14	0.45	9.30	-0.98	10.19	-3.18	10.05	-4.11	---	---	---	---
22	8.35	-0.14	9.53	-2.19	10.31	-3.73	10.34	-4.23	---	---	---	---
23	8.60	-0.92	9.83	-2.96	10.76	-3.65	10.28	-4.33	---	---	---	---
24	9.37	-1.62	10.40	-2.94	11.11	-3.09	10.09	-4.17	---	---	---	---
25	9.98	-2.07	10.67	-2.77	11.05	-2.66	9.76	-3.88	---	---	---	---
26	10.11	-2.50	10.81	-2.86	10.86	-2.41	9.40	-3.34	---	---	---	---
27	10.46	-2.59	10.76	-2.64	10.01	-2.19	9.26	-2.33	---	---	---	---
28	10.41	-2.75	10.92	-1.52	9.71	-1.61	8.90	-1.32	---	---	---	---
29	10.23	-2.48	10.26	-1.28	9.57	-0.76	8.69	-1.06	---	---	---	---
30	9.41	-2.77	9.45	-1.16	9.32	0.16	8.17	-0.84	---	---	---	---
31	---	---	9.07	-0.79	---	---	8.21	-0.92	---	---	---	---
Month	10.61	-2.77	10.92	-3.07	11.11	-3.73	10.34	-4.33	---	---	---	---