



Water-Data Report 2007

12028500 WADELL CREEK NEAR LITTLE ROCK, WA

Washington Coastal Basin
Upper Chehalis Subbasin

LOCATION.--Lat 46°54'50", long 123°03'00" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.34, T.17 N., R.3 W., Thurston County, WA, Hydrologic Unit 17100103, at gaging station, at Waddell Cr Rd SW and Treasure River Rd, 1.5 mi northwest of Littlerock, and 1.75 mi upstream from mouth.

DRAINAGE AREA.--16.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July to October 1944 (continuous-record gaging station), July to October 1942, April 1945, August 1958, August 1967, current year (discharge measurements only).

REMARKS.--This site was measured as part of a 2007 Chehalis River Seepage Investigation. See next page for the complete seepage report.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s
Sep 12, 2007	3.68

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CHEHALIS RIVER BASIN

Chehalis River Seepage Investigations

A series of discharge measurements were made Sept. 11-13, 2007, on the Chehalis River and some of its tributaries to study gains and losses. The reach covered 81.6 miles.

[e, estimated; ft³/s, cubic foot per second; °C, degrees Celsius; --, no data]

Chehalis River Mile	Stream and Location	Measured Discharge (ft ³ /s)	Date	Gain or Loss	Water temperature (°C)
101.8	CHEHALIS RIVER NEAR DOTY (12020000)	17.8	09/11/2007	--	14.7
100.5	CHEHALIS RIVER AT ELK CREEK ROAD NEAR DOTY (12020050)	18.7	09/11/2007	0.9	16.0
97.8	CHEHALIS RIVER AT DRYAD (12020565)	43.5	09/11/2007	15.9	17.8
95.3	HOPE CREEK NEAR DRYAD (12020595)	<1 e	09/11/2007	--	--
93.6	CHEHALIS RIVER NEAR MESKILL (12020625)	35.7	09/11/2007	-7.8	19.2
90.2	CHEHALIS RIVER NEAR CERES (12020700)	35.6	09/11/2007	-0.1	20.5
104.2	SOUTH FORK CHEHALIS RIVER NEAR WILDWOOD	3.18	09/11/2007	--	12.8
91.0	SOUTH FORK CHEHALIS RIVER NEAR KLABER (12021600)	11.2	09/11/2007	8.0	16.8
88.8	SOUTH FORK CHEHALIS RIVER NEAR CURTIS (12021750)	12.4	09/11/2007	1.2	17.3
86.0	CHEHALIS RIVER NEAR ADNA (12021800)	49.4	09/11/2007	1.4	20.8
79.9	CHEHALIS RIVER NEAR LITTELL (12022300)	46.5	09/11/2007	-2.9	20.3
98.2	SOUTH FORK NEWAUKUM RIVER NEAR ONALASKA (12024000)	19.9	09/11/2007	--	12.7
86.3	SOUTH FORK NEWAUKUM RIVER AT FOREST (12024100)	20.8	09/11/2007	0.9	17.0
93.8	NORTH FORK NEWAUKUM RIVER ABOVE BEAR CREEK NEAR FOREST (12024400)	9.86	09/11/2007	--	17.7
86.4	NORTH FORK NEWAUKUM RIVER AT FOREST (12024820)	10.5	09/11/2007	0.6	16.6
85.0	NEWAUKUM RIVER AT JACKSON HWY NEAR FOREST (12024830)	30	09/11/2007	-1.3	19.2
79.3	NEWAUKUM RIVER NEAR CHEHALIS (12025000)	31.7	09/11/2007	1.7	20.9
75.3	NEWAUKUM RIVER AT CHEHALIS (12025020)	32.8	09/11/2007	1.1	19.3
75.1	CHEHALIS RIVER BELOW NEWAUKUM RIVER NEAR CHEHALIS (12025025)	93	09/11/2007	13.7	17.6
69.4	SALZER CREEK AT AIRPORT ROAD NEAR CENTRALIA (12025400)	0.96	09/11/2007	--	15.2
73.3	SKOOKUMCHUCK RIVER NEAR BUCODA (12026400)	99.9	09/11/2007	--	--
66.9	SKOOKUMCHUCK RIVER AT MOUTH NEAR CENTRALIA (12026620)	103	09/11/2007	3.1	--
66.7	CHEHALIS RIVER AT FORT BORST PARK NEAR CENTRALIA (12026625)	197	09/11/2007	0	18.6
64.2	CHEHALIS RIVER AT GALVIN (12026700)	192	09/13/2007	-10	16.8
59.9	CHEHALIS RIVER NEAR GRAND MOUND (12027500)	202	09/12/2007	--	18.1
60.2	PRAIRIE CREEK NEAR GRAND MOUND (12027540)	0	09/11/2007	--	--
61.8	SCATTER CREEK AT CASE ROAD NEAR GRAND MOUND (12028020)	0	09/11/2007	--	--
58.9	SCATTER CREEK AT SARGENT ROAD NEAR ROCHESTER (12028040)	20.7	09/11/2007	20.7	14.1
56.7	SCATTER CREEK AT JAMES ROAD NEAR ROCHESTER (12028055)	18.1	09/11/2007	-2.6	15.1

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Chehalis River Mile	Stream and Location	Measured Discharge (ft ³ /s)	Date	Gain or Loss	Water temperature (°C)
54.2	CHEHALIS RIVER NEAR ROCHESTER (12028060)	296	09/11/2007	76.9	19.4
52.5	CHEHALIS RIVER NEAR INDEPENDENCE (12028080)	242	09/12/2007	-47.0	19.2
47.1	CHEHALIS RIVER ABOVE BLACK RIVER NEAR OAKVILLE (12028300)	237	09/12/2007	-5.0	18.8
68.7	BLACK RIVER BELOW SALMON CREEK NEAR LITTLEROCK (12028330)	10.5	09/12/2007	--	14.1
67.2	BLOOMS DITCH BELOW LITTLEROCK ROAD NEAR LITTLEROCK (12028360)	0.45	09/12/2007	--	13.6
64.8	BLACK RIVER NEAR LITTLEROCK (12028440)	13.2	09/12/2007	2.3	15.7
66.2	WADELL CREEK NEAR LITTLEROCK (12028500)	3.68	09/12/2007	--	14.3
64.2	BLACK RIVER AT LITTLEROCK (12029000)	12.8	09/12/2007	-4.1	15.2
70.2	BEAVER CREEK NEAR MAYTOWN (12029025)	0.59	09/12/2007	--	14.3
64.0	BEAVER CREEK AT LITTLEROCK (12029060)	3.02	09/12/2007	2.4	15.1
61.2	UNNAMED TRIBUTARY TO BLACK RIVER NEAR MIMA (12029090)	0	09/12/2007	--	--
60.1	MIMA CREEK NEAR MIMA (12029160)	2.39	09/12/2007	--	14.6
57.9	UNNAMED TRIBUTARY TO BLACK RIVER NEAR GATE (12029175)	0.61	09/12/2007	--	14.1
54.1	BLACK RIVER AT GATE (12029180)	70.2	09/12/2007	51.4	17.5
51.1	BLACK RIVER NEAR OAKVILLE (12029200)	50.8	09/12/2007	-19.4	17.9
50.6	WILLAMETTE CREEK NEAR HOWANUT ROAD NEAR OAKVILLE (12029201)	<0.1 e	9/12/2007	--	--
48.2	BLACK RIVER NEAR MOUTH NEAR OAKVILLE (12029210)	72.1	09/12/2007	21.2	17.6
45.5	GARRARD (GARROD) CREEK NEAR OAKVILLE (12029500)	<1 e	09/12/2007	--	15.4
44.0	CHEHALIS RIVER NEAR OAKVILLE (12029700)	363	09/12/2007	53.4	18.3
44.2	DAVIS CREEK NEAR OAKVILLE (12029780)	0	09/12/2007	--	--
42.3	CHEHALIS RIVER NEAR CEDARVILLE (12029800)	292	09/13/2007	--	17.4
40.0	ROCK CREEK NEAR CEDARVILLE (12030020)	0.92	09/13/2007	--	15.7
39.9	CEDAR CREEK NEAR CEDARVILLE (12030505)	8.28	09/13/2007	--	14.7
37.5	GIBSON CREEK NEAR PORTER (12030550)	1.63	09/13/2007	--	14.5
33.9	CHEHALIS RIVER NEAR PORTER (12030600)	331	09/13/2007	28.2	18.3
35.5	GADDIS CREEK NEAR PORTER (12030650)	0	09/13/2007	--	--
33.5	PORTER CREEK AT US HWY 12 AT PORTER (12030950)	8.63	09/13/2007	--	15.4
33.3	CHEHALIS RIVER AT PORTER (12031000)	330	09/13/2007	-9.6	18.2
31.7	CHEHALIS RIVER NEAR MALONE (12031020)	352	09/13/2007	22.0	18.3
30.2	EATON CREEK AT RONY (12031050)	0.41	09/13/2007	--	14.5
27.0	DELEZENE CREEK, NEAR SAGINAW (12031860)	2.4	09/13/2007	--	14.7
27.1	CLOQUALLUM CREEK AT ELMA (12032500)	25.2	09/13/2007	--	14.4
22.9	CHEHALIS RIVER NEAR SOUTH ELMA (12033100)	379	09/13/2007	-1.0	18.2
20.4	CHEHALIS RIVER ABOVE SATSOP RIVER AT FULLER (12033305)	423	09/13/2007	44.0	18.2
22.5	SATSOP RIVER NEAR SATSOP (12035000)	277	09/13/2007	--	14.4

RM 20.2 - Confluence of Satsop River and Chehalis River