12029175 UNNAMED TRIBUTARY TO BLACK RIVER NEAR GATE, WA

Washington Coastal Basin
Upper Chehalis Subbasin

LOCATION.--Lat 46°50′46″, long 123°07′02″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.38, T.16 N., R.4 W., Thurston County, WA, Hydrologic Unit 17100103, at Mima-Gate Rd, and 1.1 mi northeast of Gate.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--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 ft^3/s
Sep 12, 2007	0.61

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 CENTRAILA (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

12029175 UNNAMED TRIBUTARY TO BLACK RIVER NEAR GATE, WA—Continued

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 NEAD 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