

# 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; r, estimated by regression; ft<sup>3</sup>/s, cubic foot per second; °C, degrees Celsius; --, no data]

| Chehalis River Mile | Stream and Location   | Measured Discharge (ft <sup>3</sup> /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 | 18.0 r       | 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 | 4.0 r        | 16.8                   |
| 59.9                | CHEHALIS RIVER NEAR GRAND MOUND (12027500)                        | 201                                     | 09/11/2007 | 6.8 r        | 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                   |
| 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 LITTLE ROCK (12028330)        | 10.5                                    | 09/12/2007 | --           | 14.1                   |

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| Chehalis River Mile | Stream and Location   | Measured Discharge (ft <sup>3</sup> /s) | Date       | Gain or Loss | Water temperature (°C) |
|---------------------|---|---|------------|--------------|------------------------|
| 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 | 2.2          | 15.7                   |
| 66.2                | WADSELL 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 | -66.0        | 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