







|    | A                                      | B                | C  | D   | E                                  | F                     | G                                   | H           | I                             | J                         | K                         | L                         | M                         | N                     |
|----|--|------------------|--|---|------------------------------------|-----------------------|-------------------------------------|-------------|-------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------------|
| 6  | Water Type                             | Explanation Code | Explanation Code Official Definition   | Explanation Code Definition Explanation   | Total Miles edited since the model | % Total Miles Edited* | Total Miles DELETED since the model | Total Miles | Verification Code (FP_VER_CD) | Total Miles by VER_CD = B | Total Miles by VER_CD = P | Total Miles by VER_CD = N | Total Miles by VER_CD = U | Total Miles by EXP_CD |
| 34 | -fish use as defined in WAC 222-16-031 | N1               | Modeled as non-fish habitat. N1's occurring upstream of modeled end point may or may not have a matching DEM-modeled stream. N1 lateral tributaries have DEM-modeled counterparts.   | Streams the Hydro model determined probably doesn't have fish habitat. (Note: the model did not add any new stream segments it only tried to predict what water type the stream should be) The N1 streams were originally type 3 or 9 streams prior to the model and the model determined, based on the model criteria, that there should be non-fish habitat there.<br><br>Also, any stream that had been upgraded to a Type F, and then, at a later date - through a protocol survey - was changed back to a type N, would revert to an N1. | 2,060.8                            | 3.9%                  | 445.9                               | 53,061.3    |                               | 902.9                     | 842.1                     | 148.7                     | 51,167.6                  | 53,061.3              |
| 35 |  | N2               | Stream existing prior to "fish model" implementation but was unable to be modeled. Assigned "N" water type because former water type indicated no fish use (type 4/5), or a post-model DNR approved field survey data indicates non-fish.  | Streams that used to be Water Type 4 or 5 (prior to the model) These were coded directly to non-fish habitat (Type N). These streams also went through the model process, but it was determined that the original type 4 or 5 should stay as non-fish habitat.<br><br>Also, if a type U stream is changed to a Type N stream, it converts to an N2 because it is confirming, outside the model, that it was non-fish habitat from a previously unknown stream (typically former type 9) that the model could not predict.                     | 908.0                              | 7.0%                  | 149.4                               | 13,035.9    |                               | 549.7                     | 280.7                     | 45.8                      | 12,159.8                  | 13,036.0              |
| 36 |  | N4               | Mapping anomaly prevented normal model/coding implementation. Former water type indicated "no fish use" or is associated with other non-fish use/non-fish habitat waters. Most common occurrences were in channelized streams (e.g. irrigation ditches, canals) or unmodeled streams with former water typing inconsistencies. | Streams where the model couldn't determine, because of how the lines were drawn in the data, what water type it should be, but it was originally coded as a Type 4 or 5 water (prior to the model). Most of these were manmade channels (i.e., irrigation ditches, canals, etc...) where the model couldn't predict a water type. Therefore, they were manually coded it as non-fish habitat (Type N) with an N4 explanation code. None have been added since the model.  | 0.0                                | 0.0%                  | 0.5                                 | 605.9       |                               | 0.0                       | 0.0                       | 0.0                       | 605.9                     | 605.9                 |
| 37 |  | N5               | Non-fish bearing/non-fish habitat stream being added after model implementation or survey confirmation of N water type on stream added after fish model implementation.  | NEW (Type N) non-fish habitat streams added after the model. Whenever a new stream is shown as being added on the WTMF and it's initial water type is N (Non-fish habitat), this code is used. The model did not add any new streams, but only attempted to identify existing streams as to their water type. These are new streams since the model.  | 577.2                              | 94.0%                 | 9                                   | 614.3       |                               | 243.7                     | 322.5                     | 38.2                      | 9.9                       | 614.3                 |





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| 61 | See Type X coding description below | X1               | Mapped hydrographic feature having no water type designation; or artificial connector. | A feature that exists on the ground, but does not meet the definition of a stream, yet is still mapped to maintain the continuity of the GIS network.                                    | 827.9   | 62.8%                 | 22.6                                | 1,317.4     |                               | 81.4                      | 535.3                     | 98.5                      | 602.2                     | 1,317.4               |
| 62 |                                     | X2               | Stream segment deleted via a WTMF, but kept in map for connectivity purposes           | A stream that was deleted due to a WTMF, but kept in the GIS database in order to show connectivity as a network.  | 30.3  | 100.0%                | 0.1                                 | 30.3        |                               | 10.1                      | 10.1                      | 0.1                       | 10.0                      | 30.3                  |
| 63 |                                     | X3               | Stream segment has no surface channel, but WTMF indicates sub-surface flow             | A stream defined as a sub-surface stream and shown in the data and on the WTMF for connectivity. This code allows for GIS to select sub-surface streams separately for display purposes. | 19.8  | 54.8%                 | 0.3                                 | 36.1        |                               | 1.6                       | 18.8                      | 2.7                       | 13.0                      | 36.1                  |
| 64 |                                     |                  |  |  | <b>Total X Miles</b>  | <b>878.0</b>          | <b>63.4%</b>                        | <b>23.0</b> | <b>1,383.8</b>                |                           | <b>93.1</b>               | <b>564.2</b>              | <b>101.3</b>              | <b>625.2</b>          |
| 65 |                                     |                  |  |  | Total Type S Miles by Verification Code (FP_VER_CD) - B   | 89.7                  | 96.3%                               | 93.1        | B                             |                           |                           |                           |                           |                       |
| 66 |                                     |                  |  |  | P   | 560.8                 | 99.4%                               | 564.1       | P                             |                           |                           |                           |                           |                       |
| 67 |                                     |                  |  |  | N   | 101.1                 | 99.8%                               | 101.3       | N                             |                           |                           |                           |                           |                       |
| 68 |                                     |                  |  |  | U   | 551.1                 | 88.1%                               | 625.2       | U                             |                           |                           |                           |                           |                       |
| 69 |                                     |                  |  |  |   | 1,302.7               |                                     | 1,383.7     |                               |                           |                           |                           |                           |                       |
| 70 |                                     |                  |  |  |   |                       |                                     |             |                               |                           |                           |                           |                           |                       |
| 71 |                                     |                  |  |  | <b>Type X coding:</b> Mapped hydrographic feature having no water type designation (e.g. pipelines, certain irrigation ditches and canals; certain impoundments (IM [107, 109, 110]; wet areas associated with type S waters; streams that do not meet definition for typed streams (WAC 222-16-031(5); or stream segments having no surface channel but kept in map for connectivity purposes) |                       |                                     |             |                               |                           |                           |                           |                           |                       |
| 72 |                                     |                  |  |  |   |                       |                                     |             |                               |                           |                           |                           |                           |                       |
| 73 |                                     |                  |  |  |   |                       |                                     |             |                               |                           |                           |                           |                           |                       |