

**Site Description**

|  |  |
|--|--|
| <b>Study Name</b>                            | CBWQ-Arrow   |
| <b>Site</b>                                  | NECAR01  |
| <b>Sampling Date</b>                         | Sep 24 2013  |
| <b>Know Your Watershed Basin</b>             | Central Columbia   |
| <b>Province / Territory</b>                  | British Columbia   |
| <b>Terrestrial Ecological Classification</b> | Montane Cordillera EcoZone<br>Columbia Mountains and Highlands EcoRegion |
| <b>Coordinates (decimal degrees)</b>         | 49.97944 N, 117.88417 W  |
| <b>Altitude</b>                              | 1450   |
| <b>Local Basin Name</b>                      | Caribou Cr.  |
|  | Columbia River   |
| <b>Stream Order</b>                          | 5  |



Figure 1. Location Map



Across Reach  
Aerial (No image found)



Down Stream



Field Sheet

Miscellaneous (No image found)



Substrate



Up Stream

### Cabin Assessment Results

| Reference Model Summary                            |   |          |          |          |          |
|--|---|----------|----------|----------|----------|
| <b>Model</b>                                       | Columbia-Okanagan Preliminary March 2010                        |          |          |          |          |
| <b>Analysis Date</b>                               | August 13, 2017   |          |          |          |          |
| <b>Taxonomic Level</b>                             | Family  |          |          |          |          |
| <b>Predictive Model Variables</b>                  | Depth-Avg<br>Latitude<br>Longitude<br>Reg-Ice<br>Reg-SlopeLT30% |          |          |          |          |
| <b>Reference Groups</b>                            | <b>1</b>  | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |
| <b>Number of Reference Sites</b>                   | 9   | 43       | 17       | 12       | 33       |
| <b>Group Error Rate</b>                            | 22.2%   | 24.5%    | 22.2%    | 25.0%    | 32.4%    |
| <b>Overall Model Error Rate</b>                    | 26.4%   |          |          |          |          |
| <b>Probability of Group Membership</b>             | 43.1%   | 0.2%     | 1.3%     | 46.5%    | 8.8%     |
| <b>CABIN Assessment of NECAR01 on Sep 24, 2013</b> | Divergent   |          |          |          |          |

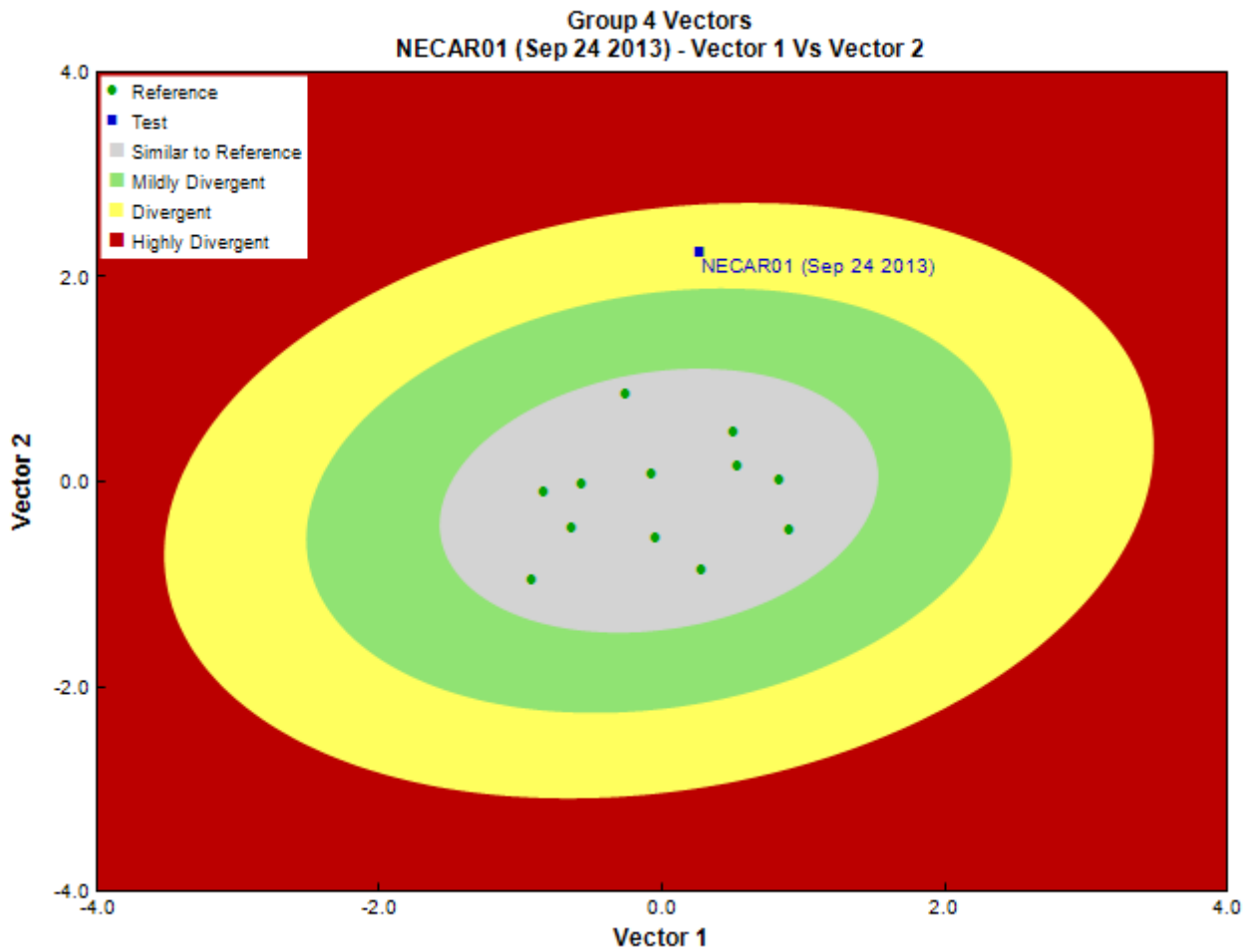


Figure 3. CABIN ordination assessment of the test site with the predicted group of reference sites. Each axis represents the relative abundance of the entire benthic invertebrate community with different organisms weighted differently on each axis.

**Sample Information**

|                                |                        |
|--------------------------------|------------------------|
| <b>Sampling Device</b>         | Kick Net               |
| <b>Mesh Size</b>               | 400                    |
| <b>Sampling Time</b>           | 3                      |
| <b>Taxonomist</b>              | Pina Viola, Consultant |
| <b>Date Taxonomy Completed</b> | January 03, 2014       |
|                                | Marchant Box           |
| <b>Sub-Sample Proportion</b>   | 22/100                 |

**Community Structure**

| Phylum     | Class       | Order          | Family         | Raw Count  | Total Count    |
|------------|-------------|----------------|----------------|------------|----------------|
| Annelida   | Oligochaeta | Tubificida     | Naididae       | 7          | 31.8           |
| Arthropoda | Arachnida   | Trombidiformes | Lebertiidae    | 2          | 9.1            |
|            | Insecta     | Diptera        | Chironomidae   | 283        | 1,286.4        |
|            |             |                | Psychodidae    | 1          | 4.5            |
|            |             | Ephemeroptera  | Ameletidae     | 1          | 4.5            |
|            |             |                | Baetidae       | 4          | 18.2           |
|            |             |                | Ephemerellidae | 5          | 22.7           |
|            |             |                | Heptageniidae  | 5          | 22.7           |
|            |             | Plecoptera     |                | 1          | 4.5            |
|            |             |                | Capniidae      | 1          | 4.5            |
|            |             |                | Chloroperlidae | 6          | 27.3           |
|            |             |                | Perlodidae     | 1          | 4.5            |
|            |             |                | <b>Total</b>   | <b>317</b> | <b>1,440.7</b> |

**Metrics**

| Name  | NECAR01 | Predicted Group Reference Mean $\pm$ SD |
|---|---------|---|
| Bray-Curtis Distance                            | 0.88    | 0.4 $\pm$ 0.1                           |
| <b>Biotic Indices</b>                           |         |   |
| Hilsenhoff Family index (North-West)            | 5.8     | 3.2 $\pm$ 0.3                           |
| Intolerant taxa                                 | --      |   |
| Long-lived taxa                                 | --      | 2.1 $\pm$ 1.0                           |
| <b>Functional Measures</b>                      |         |   |
| % Filterers                                     | --      | 2.2 $\pm$ 1.8                           |
| % Gatherers                                     | 95.6    | 38.4 $\pm$ 12.4                         |
| % Predatores                                    | 92.1    | 19.0 $\pm$ 8.5                          |
| % Scrapers                                      | 4.7     | 63.2 $\pm$ 19.7                         |
| % Shredder                                      | 0.3     | 27.6 $\pm$ 15.2                         |
| No. Clinger Taxa                                | 7.0     | 23.2 $\pm$ 6.3                          |
| <b>Number Of Individuals</b>                    |         |   |
| % Chironomidae                                  | 89.6    | 7.4 $\pm$ 6.4                           |
| % Coleoptera                                    | 0.0     | 1.5 $\pm$ 3.9                           |
| % Diptera + Non-insects                         | 92.7    | 10.8 $\pm$ 7.6                          |
| % Ephemeroptera                                 | 4.7     | 51.7 $\pm$ 18.8                         |
| % Ephemeroptera that are Baetidae               | 26.7    | 40.6 $\pm$ 30.0                         |
| % EPT Individuals                               | 7.3     | 87.7 $\pm$ 7.4                          |
| % Odonata                                       | --      | 0.0 $\pm$ 0.0                           |
| % of 2 dominant taxa                            | 91.8    | 57.9 $\pm$ 14.2                         |
| % of 5 dominant taxa                            | 96.8    | 81.6 $\pm$ 7.9                          |
| % of dominant taxa                              | 89.6    | 39.8 $\pm$ 14.9                         |
| % Plecoptera                                    | 2.5     | 31.4 $\pm$ 15.4                         |
| % Tribe Tanyatarisini                           | --      |   |
| % Trichoptera that are Hydropsychida            | --      | 27.0 $\pm$ 26.2                         |
| % Tricoptera                                    | 0.0     | 4.5 $\pm$ 2.8                           |
| No. EPT individuals/Chironomids+EPT Individuals | 0.1     | 0.9 $\pm$ 0.1                           |
| <b>Richness</b>                                 |         |   |
| Chironomidae taxa (genus level only)            | 1.0     | 1.0 $\pm$ 0.0                           |
| Coleoptera taxa                                 | 0.0     | 0.4 $\pm$ 0.5                           |
| Diptera taxa                                    | 2.0     | 3.3 $\pm$ 1.0                           |
| Ephemeroptera taxa                              | 4.0     | 3.8 $\pm$ 0.8                           |
| EPT Individuals (Sum)                           | 104.5   | 526.0 $\pm$ 285.8                       |
| EPT taxa (no)                                   | 7.0     | 13.3 $\pm$ 2.7                          |

**Frequency and Probability of Taxa Occurrence**

| Reference Model Taxa | Frequency of Occurrence in Reference Sites |         |         |         |         | Probability Of Occurrence at NECAR01 |
|----------------------|--|---------|---------|---------|---------|--------------------------------------|
|                      | Group 1                                    | Group 2 | Group 3 | Group 4 | Group 5 |                                      |
| Baetidae             | 100%                                       | 100%    | 100%    | 100%    | 97%     | 1.00                                 |
| Capniidae            | 78%  | 55%     | 50%     | 92%     | 68%     | 0.83                                 |
| Chironomidae         | 100%                                       | 100%    | 100%    | 100%    | 95%     | 1.00                                 |
| Chloroperlidae       | 78%  | 88%     | 94%     | 100%    | 100%    | 0.90                                 |
| Ephemerellidae       | 78%  | 100%    | 100%    | 100%    | 100%    | 0.90                                 |
| Heptageniidae        | 100%                                       | 100%    | 100%    | 100%    | 100%    | 1.00                                 |
| Nemouridae           | 100%                                       | 100%    | 100%    | 100%    | 100%    | 1.00                                 |
| Perlodidae           | 78%  | 78%     | 89%     | 92%     | 81%     | 0.85                                 |
| Rhyacophilidae       | 100%                                       | 92%     | 100%    | 100%    | 95%     | 1.00                                 |
| Taeniopterygidae     | 89%  | 49%     | 100%    | 92%     | 97%     | 0.91                                 |

**RIVPACS Ratios**

|                                |       |
|--------------------------------|-------|
| RIVPACS : Expected taxa P>0.50 | 13.46 |
| RIVPACS : Observed taxa P>0.50 | 9.00  |
| RIVPACS : O:E (p > 0.5)        | 0.67  |
| RIVPACS : Expected taxa P>0.70 | 9.38  |
| RIVPACS : Observed taxa P>0.70 | 7.00  |
| RIVPACS : O:E (p > 0.7)        | 0.75  |

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| Variable                             | NECAR01    | Predicted Group Reference<br>Mean $\pm$ SD |
|--------------------------------------|------------|--|
| <b>Bedrock Geology</b>               |            |  |
| Alluvium (%)                         | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Intrusive (%)                        | 50.53120   | 11.07346 $\pm$ 28.63466                    |
| Metamorphic (%)                      | 0.00000    | 17.96649 $\pm$ 35.53463                    |
| Sedimentary (%)                      | 45.39122   | 70.96005 $\pm$ 44.90394                    |
| Ultramafic (%)                       | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Volcanic (%)                         | 4.07758    | 0.00000 $\pm$ 0.00000                      |
| <b>Channel</b>                       |            |  |
| Depth-Avg (cm)                       | 59.0       | 23.6 $\pm$ 11.1                            |
| Depth-BankfullMinusWetted (cm)       | 59.00      | 51.38 $\pm$ 29.42                          |
| Depth-Max (cm)                       | 88.0       | 34.6 $\pm$ 12.3                            |
| Macrophyte (PercentRange)            | 0          | 0 $\pm$ 0                                  |
| Reach-%CanopyCoverage (PercentRange) | 0.00       | 1.33 $\pm$ 0.78                            |
| Reach-%Logging (PercentRange)        | 1          | 0 $\pm$ 0                                  |
| Reach-Pools (Binary)                 | 0          | 1 $\pm$ 0                                  |
| Reach-Rapids (Binary)                | 0          | 0 $\pm$ 0                                  |
| Reach-Riffles (Binary)               | 1          | 1 $\pm$ 0                                  |
| Reach-StraightRun (Binary)           | 1          | 1 $\pm$ 1                                  |
| Slope (m/m)                          | 0.0030000  | 0.0546683 $\pm$ 0.0376269                  |
| Veg-Coniferous (Binary)              | 1          | 1 $\pm$ 0                                  |
| Veg-Deciduous (Binary)               | 1          | 1 $\pm$ 0                                  |
| Veg-GrassesFerns (Binary)            | 1          | 1 $\pm$ 0                                  |
| Veg-Shrubs (Binary)                  | 1          | 1 $\pm$ 0                                  |
| Velocity-Avg (m/s)                   | 0.45       | 0.48 $\pm$ 0.22                            |
| Velocity-Max (m/s)                   | 0.63       | 0.76 $\pm$ 0.36                            |
| Width-Bankfull (m)                   | 24.0       | 13.4 $\pm$ 9.9                             |
| Width-Wetted (m)                     | 14.0       | 8.5 $\pm$ 5.8                              |
| XSEC-VelMethod (Category (1-3))      | 1          | 1 $\pm$ 0                                  |
| <b>Climate</b>                       |            |  |
| Precip01_JAN (mm)                    | 132.00000  | 104.85000 $\pm$ 26.28129                   |
| Precip02_FEB (mm)                    | 105.66667  | 83.66667 $\pm$ 27.10278                    |
| Precip03_MAR (mm)                    | 93.33333   | 77.23611 $\pm$ 27.15950                    |
| Precip04_APR (mm)                    | 132.00000  | 104.85000 $\pm$ 26.28129                   |
| Precip05_MAY (mm)                    | 80.00000   | 71.65833 $\pm$ 17.81753                    |
| Precip06_JUN (mm)                    | 92.33333   | 78.56667 $\pm$ 15.58521                    |
| Precip07_JUL (mm)                    | 74.33333   | 64.39167 $\pm$ 10.41611                    |
| Precip08_AUG (mm)                    | 71.33333   | 60.53056 $\pm$ 10.43373                    |
| Precip09_SEP (mm)                    | 68.33333   | 56.91944 $\pm$ 10.91783                    |
| Precip10_OCT (mm)                    | 83.66667   | 65.08056 $\pm$ 14.41229                    |
| Precip11_NOV (mm)                    | 127.33333  | 105.93889 $\pm$ 25.04104                   |
| Precip12_DEC (mm)                    | 144.33333  | 116.84444 $\pm$ 29.80954                   |
| PrecipTotal_ANNUAL (mm)              | 1149.66667 | 952.64722 $\pm$ 226.04690                  |
| Temp01_JANMax (Degrees Celsius)      | -4.33333   | -4.39167 $\pm$ 2.51268                     |
| Temp01_JANmin (Degrees Celsius)      | -10.33333  | -11.40833 $\pm$ 3.53951                    |
| Temp02_FEBmax (Degrees Celsius)      | -1.33333   | -1.70000 $\pm$ 2.12945                     |
| Temp02_FEBmin (Degrees Celsius)      | -8.33333   | -9.17500 $\pm$ 3.33361                     |
| Temp03_MARmax (Degrees Celsius)      | 2.00000    | 2.50556 $\pm$ 2.87525                      |
| Temp03_MARmin (Degrees Celsius)      | -5.66667   | -6.14167 $\pm$ 2.98556                     |
| Temp04_APRmax (Degrees Celsius)      | 7.00000    | 7.12222 $\pm$ 3.48771                      |
| Temp04_APRmin (Degrees Celsius)      | -2.33333   | -2.71667 $\pm$ 2.22785                     |
| Temp05_MAYmax (Degrees Celsius)      | 11.66667   | 12.03889 $\pm$ 3.55434                     |
| Temp05_MAYmin (Degrees Celsius)      | 0.66667    | 1.04722 $\pm$ 2.08663                      |
| Temp06_JUNMax (Degrees Celsius)      | 15.33333   | 15.72500 $\pm$ 3.40030                     |
| Temp06_JUNMin (Degrees Celsius)      | 3.66667    | 4.00278 $\pm$ 2.41085                      |
| Temp07_JULmax (Degrees Celsius)      | 19.33333   | 19.56111 $\pm$ 3.47275                     |
| Temp07_JULmin (Degrees Celsius)      | 6.66667    | 6.35833 $\pm$ 2.28332                      |
| Temp08_AUGmax (Degrees Celsius)      | 19.00000   | 19.52222 $\pm$ 3.51100                     |
| Temp08_AUGmin (Degrees Celsius)      | 6.66667    | 6.19167 $\pm$ 2.34422                      |
| Temp09_SEPmax (Degrees Celsius)      | 13.66667   | 14.04444 $\pm$ 3.03456                     |
| Temp09_SEPmin (Degrees Celsius)      | 2.66667    | 2.04722 $\pm$ 2.37208                      |
| Temp10_OCTmax (Degrees Celsius)      | 6.33333    | 6.88889 $\pm$ 2.71577                      |
| Temp10_OCTmin (Degrees Celsius)      | -1.33333   | -1.46111 $\pm$ 1.64316                     |

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| Variable                           | NECAR01    | Predicted Group Reference<br>Mean $\pm$ SD |
|------------------------------------|------------|--|
| Temp11_NOVmax (Degrees Celsius)    | -0.66667   | -0.79722 $\pm$ 2.43512                     |
| Temp11_NOVmin (Degrees Celsius)    | -6.33333   | -6.68056 $\pm$ 2.97163                     |
| Temp12_DECmax (Degrees Celsius)    | -4.33333   | -4.66389 $\pm$ 2.69757                     |
| Temp12_DECmin (Degrees Celsius)    | -10.00000  | -10.65833 $\pm$ 3.71739                    |
| TempANNUALmax (Degrees Celsius)    | 6.33333    | 6.96389 $\pm$ 3.06157                      |
| TempANNUALmean (Degrees Celsius)   | 2.33333    | 2.25278 $\pm$ 2.66574                      |
| TempANNUALmin (Degrees Celsius)    | -1.33333   | -2.18056 $\pm$ 2.41152                     |
| <b>Hydrology</b>                   |            |  |
| Drainage-Area (km <sup>2</sup> )   | 237.82223  | 124.42081 $\pm$ 200.99192                  |
| Perimeter (Km)                     | 107.64410  | 64.71360 $\pm$ 56.15436                    |
| StreamDensity (m/km <sup>2</sup> ) | 3675.02753 | 2246.06682 $\pm$ 604.89962                 |
| StreamLength (m)                   | 874003.24  | 302226.63 $\pm$ 500983.26                  |
| <b>Landcover</b>                   |            |  |
| Natl-AnnCrops (%)                  | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-Barren (%)                    | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-BroadleafDense (%)            | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-BroadleafOpen (%)             | 3.68838    | 1.19263 $\pm$ 2.03874                      |
| Natl-BroadleafSparse (%)           | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-Coniferous (%)                | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-ConiferousDense (%)           | 0.54200    | 0.64845 $\pm$ 0.37668                      |
| Natl-ConiferousOpen (%)            | 62.36723   | 54.62780 $\pm$ 18.30692                    |
| Natl-ConiferousSparse (%)          | 2.24822    | 0.94121 $\pm$ 1.53621                      |
| Natl-Deciduous (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-Developed (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-ExposedLand (%)               | 8.74200    | 13.20054 $\pm$ 11.11850                    |
| Natl-Grassland (%)                 | 0.00000    | 1.87556 $\pm$ 1.68508                      |
| Natl-Herb (%)                      | 7.85241    | 5.75738 $\pm$ 2.89836                      |
| Natl-MixedForest (%)               | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-MixedwoodDense (%)            | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-MixedwoodOpen (%)             | 0.09597    | 0.04060 $\pm$ 0.10208                      |
| Natl-MixedwoodSparse (%)           | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-PerennCropsPast (%)           | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-Rock/Rubble (%)               | 0.25364    | 1.56403 $\pm$ 2.75979                      |
| Natl-Shrubland (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-ShrubLow (%)                  | 0.65271    | 4.98298 $\pm$ 3.22579                      |
| Natl-ShrubTall (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-SnowIce (%)                   | 0.00794    | 0.08491 $\pm$ 0.15475                      |
| Natl-Water (%)                     | 0.04197    | 0.22916 $\pm$ 0.36834                      |
| Natl-Wetland (%)                   | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-WetlandHerb (%)               | 0.07541    | 0.12918 $\pm$ 0.35193                      |
| Natl-WetlandShrub (%)              | 0.00858    | 0.00000 $\pm$ 0.00000                      |
| Natl-WetlandTreed (%)              | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Reg-Ice (%)                        | 0.00000    | 0.02487 $\pm$ 0.06034                      |
| <b>Sediment Chemistry</b>          |            |  |
| Ag (ppm)                           | 0.160      | 0.000                                      |
| Al (ppm)                           | 8110.000   | 0.005                                      |
| As (ppm)                           | 36.300     | 0.000                                      |
| Ba (ppm)                           | 65.700     | 0.068                                      |
| Be (ppm)                           | 0.200      | 0.000                                      |
| Bi (ppm)                           | 0.050      | 0.000                                      |
| Ca (ppm)                           | 3340.000   | 21.108 $\pm$ 16.801                        |
| Cd (ppm)                           | 0.544      | 0.000                                      |
| Co (ppm)                           | 4.950      | 0.000                                      |
| Cr (ppm)                           | 12.600     | 0.000                                      |
| Cu (ppm)                           | 11.700     | 0.000                                      |
| Fe (ppm)                           | 18100.000  | 0.008                                      |
| Hg (ppm)                           | 0.025      | 0.000 $\pm$ 0.000                          |
| K (ppm)                            | 1180.000   | 0.614 $\pm$ 0.406                          |
| Li (ppm)                           | 15.700     | 0.001                                      |
| Mg (ppm)                           | 4670.000   | 7.667 $\pm$ 7.975                          |
| Mn (ppm)                           | 305.000    | 0.001                                      |
| Mo (ppm)                           | 0.770      | 0.001                                      |

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| Variable                            | NECAR01     | Predicted Group Reference<br>Mean $\pm$ SD |
|-------------------------------------|-------------|--|
| Na (ppm)                            | 117.000     | 1.538 $\pm$ 1.275                          |
| Ni (ppm)                            | 10.200      | 0.000                                      |
| Pb (ppm)                            | 7.860       | 0.000                                      |
| Sb (ppm)                            | 0.510       | 0.000                                      |
| Se (ppm)                            | 0.250       | 0.000                                      |
| Sn (ppm)                            | 0.180       | 0.000                                      |
| Sr (ppm)                            | 24.300      | 0.044                                      |
| Ti (ppm)                            | 506.000     | 0.001                                      |
| Tl (ppm)                            | 0.101       | 0.000                                      |
| U (ppm)                             | 0.681       | 0.001                                      |
| V (ppm)                             | 33.800      | 0.000                                      |
| Zn (ppm)                            | 54.100      | 0.001                                      |
| Zr (ppm)                            | 1.260       | 0.000 $\pm$ 0.000                          |
| <b>Substrate Data</b>               |             |  |
| %Bedrock (%)                        | 0           | 0 $\pm$ 0                                  |
| %Boulder (%)                        | 1           | 9 $\pm$ 9                                  |
| %Cobble (%)                         | 82          | 51 $\pm$ 15                                |
| %Gravel (%)                         | 0           | 3 $\pm$ 3                                  |
| %Pebble (%)                         | 17          | 37 $\pm$ 20                                |
| %Sand (%)                           | 0           | 0 $\pm$ 0                                  |
| %Silt+Clay (%)                      | 0           | 0 $\pm$ 0                                  |
| D50 (cm)                            | 9.80        | 15.12 $\pm$ 14.26                          |
| Dg (cm)                             | 9.5         | 8.2 $\pm$ 2.8                              |
| Dominant-1st (Category(0-9))        | 6           | 7 $\pm$ 1                                  |
| Dominant-2nd (Category(0-9))        | 7           | 7 $\pm$ 1                                  |
| Embeddedness (Category(1-5))        | 4           | 5 $\pm$ 1                                  |
| PeriphytonCoverage (Category(1-5))  | 2           | 1 $\pm$ 0                                  |
| <b>Topography</b>                   |             |  |
| ElevationMax (m)                    | 2671.00000  | 2634.66667 $\pm$ 309.54023                 |
| ElevationMin (m)                    | 439.00000   | 913.41667 $\pm$ 271.25180                  |
| ElevationStdev (m)                  | 415.94583   | 349.02363 $\pm$ 92.12445                   |
| Reg-SlopeLT30% (%)                  | 0.00360     | 18.88386 $\pm$ 9.29866                     |
| Slope30-50% (%)                     | 28.63164    | 29.00215 $\pm$ 6.33837                     |
| Slope50-60% (%)                     | 15.79183    | 13.91808 $\pm$ 1.91315                     |
| SlopeAvg (%)                        | 50.07479    | 52.79851 $\pm$ 8.68755                     |
| SlopeGT60% (%)                      | 33.33831    | 35.47207 $\pm$ 13.39684                    |
| SlopeLT30% (%)                      | 22.23822    | 21.60770 $\pm$ 8.54172                     |
| SlopeMax (%)                        | 215.77939   | 298.94390 $\pm$ 146.30679                  |
| SlopeMin (%)                        | 0.00000     | 0.19777 $\pm$ 0.29213                      |
| SlopeStdev (%)                      | 24.20049    | 26.57529 $\pm$ 4.62351                     |
| <b>Water Chemistry</b>              |             |  |
| General-Alkalinity (mg/L)           | 42.0000000  | 71.7000000 $\pm$ 53.9231440                |
| General-DO (mg/L)                   | 9.0000000   | 11.4175000 $\pm$ 0.7986708                 |
| General-pH (pH)                     | 7.8         | 7.9 $\pm$ 0.4                              |
| General-SpCond ( $\mu$ S/cm)        | 104.3000000 | 168.9833333 $\pm$ 123.7858182              |
| General-TempAir (Degrees Celsius)   | 14.0        | 26.0                                       |
| General-TempWater (Degrees Celsius) | 10.7000000  | 7.3183333 $\pm$ 2.7240839                  |
| General-Turbidity (NTU)             | 1.3000000   | 0.2020000                                  |
| Phosphorus-OrthoP (mg/L)            | 0.0025000   | 0.0002727 $\pm$ 0.0004671                  |