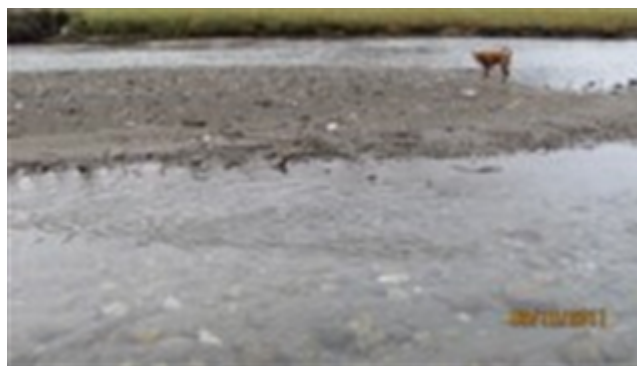


**Site Description**

|  |  |
|--|--|
| <b>Study Name</b>                            | CBWQ-Arrow   |
| <b>Site</b>                                  | NECAR01  |
| <b>Sampling Date</b>                         | Oct 10 2011  |
| <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                                   |

**Cabin Assessment Results**

|  |   |          |          |          |          |
|--|---|----------|----------|----------|----------|
| <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>             | 0.4%  | 8.9%     | 7.7%     | 67.2%    | 15.9%    |
| <b>CABIN Assessment of NECAR01 on Oct 10, 2011</b> | Mildly Divergent  |          |          |          |          |

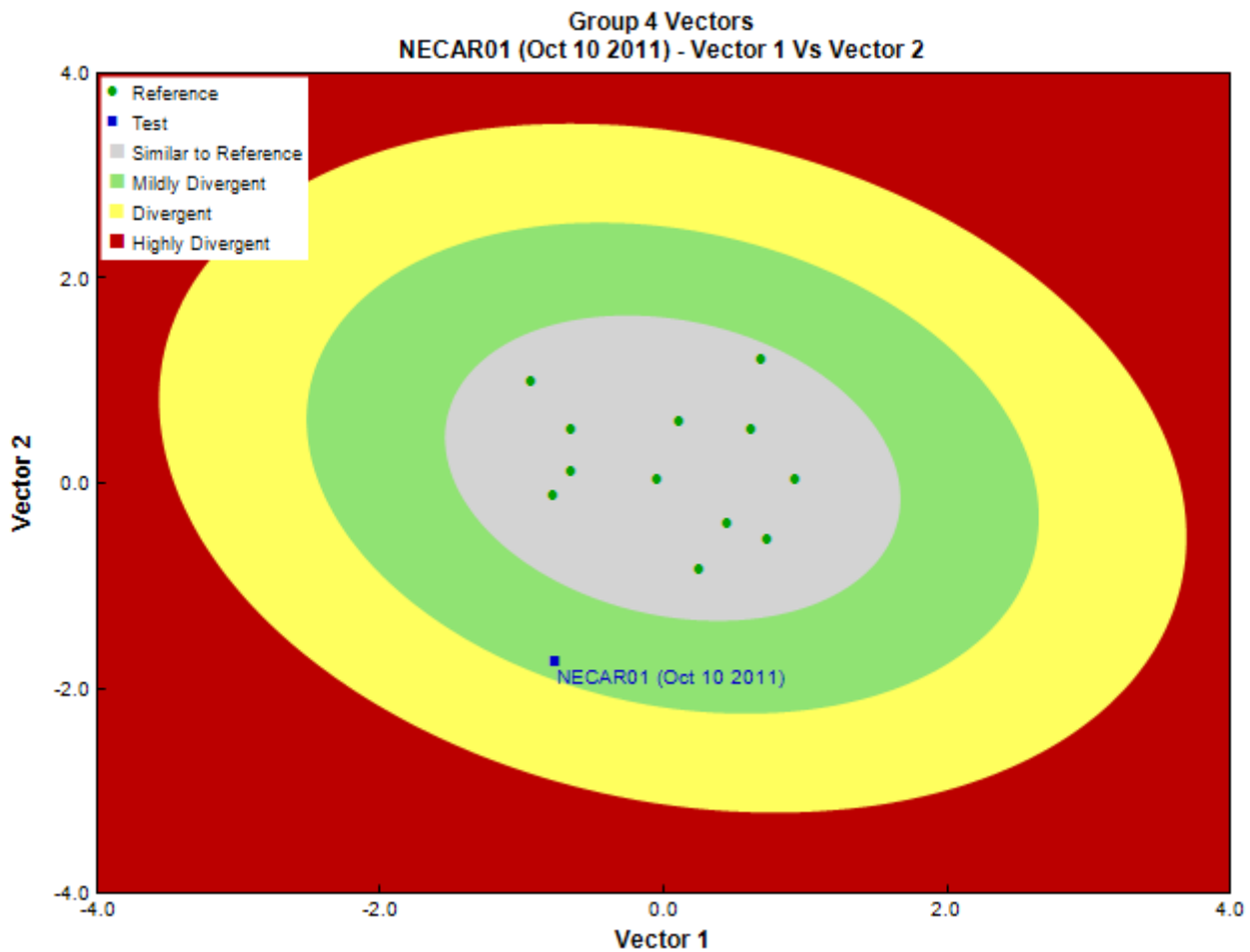


Figure 3. CABIN ordination assessment of the test site with the predicted group of reference sites. Each axis represents the relative abundance of the entire benthic invertebrate community with different organisms weighted differently on each axis.

**Sample Information**

|                                |                          |
|--------------------------------|--------------------------|
| <b>Sampling Device</b>         | Kick Net                 |
| <b>Mesh Size</b>               | 400                      |
| <b>Sampling Time</b>           | 3                        |
| <b>Taxonomist</b>              | Eco Analyts, EcoAnalysts |
| <b>Date Taxonomy Completed</b> | January 27, 2011         |
|                                | Marchant Box             |
| <b>Sub-Sample Proportion</b>   | 5/100                    |

## Community Structure

| Phylum     | Class       | Order          | Family           | Raw Count | Total Count |
|------------|-------------|----------------|------------------|-----------|-------------|
| Annelida   | Oligochaeta | Lumbriculida   | Lumbriculidae    | 3         | 60.0        |
| Arthropoda | Arachnida   | Trombidiformes | Lebertiidae      | 4         | 80.0        |
|            |             |                | Sperchontidae    | 1         | 20.0        |
|            |             |                | Torrenticolidae  | 1         | 20.0        |
|            | Insecta     | Coleoptera     | Elmidae          | 1         | 20.0        |
|            |             | Diptera        | Ceratopogonidae  | 2         | 40.0        |
|            |             |                | Chironomidae     | 153       | 3,060.0     |
|            |             |                | Psychodidae      | 1         | 20.0        |
|            |             |                | Tipulidae        | 2         | 40.0        |
|            |             | Ephemeroptera  | Baetidae         | 12        | 240.0       |
|            |             |                | Ephemerellidae   | 26        | 520.0       |
|            |             |                | Heptageniidae    | 36        | 720.0       |
|            |             | Plecoptera     | Capniidae        | 35        | 700.0       |
|            |             |                | Chloroperlidae   | 10        | 200.0       |
|            |             |                | Leuctridae       | 4         | 80.0        |
|            |             |                | Nemouridae       | 30        | 600.0       |
|            |             |                | Taeniopterygidae | 14        | 280.0       |
|            |             | Trichoptera    | Rhyacophilidae   | 2         | 40.0        |
|            |             |                | Total            | 337       | 6,740.0     |

## Metrics

| Name  | NECAR01 | Predicted Group Reference<br>Mean $\pm$ SD |
|---|---------|--|
| Bray-Curtis Distance                            | 0.87    | 0.4 $\pm$ 0.1                              |
| <b>Biotic Indices</b>                           |         |  |
| Hilsenhoff Family index (North-West)            | 4.1     | 3.2 $\pm$ 0.3                              |
| Intolerant taxa                                 | --      |  |
| Long-lived taxa                                 | 1.0     | 2.1 $\pm$ 1.0                              |
| <b>Functional Measures</b>                      |         |  |
| % Filterers                                     | --      | 2.2 $\pm$ 1.8                              |
| % Gatherers                                     | 71.8    | 38.4 $\pm$ 12.4                            |
| % Predatores                                    | 51.3    | 19.0 $\pm$ 8.5                             |
| % Scrapers                                      | 22.3    | 63.2 $\pm$ 19.7                            |
| % Shredder                                      | 25.5    | 27.6 $\pm$ 15.2                            |
| No. Clinger Taxa                                | 10.0    | 23.2 $\pm$ 6.3                             |
| <b>Number Of Individuals</b>                    |         |  |
| % Chironomidae                                  | 45.4    | 7.4 $\pm$ 6.4                              |
| % Coleoptera                                    | 0.3     | 1.5 $\pm$ 3.9                              |
| % Diptera + Non-insects                         | 49.6    | 10.8 $\pm$ 7.6                             |
| % Ephemeroptera                                 | 22.0    | 51.7 $\pm$ 18.8                            |
| % Ephemeroptera that are Baetidae               | 16.2    | 40.6 $\pm$ 30.0                            |
| % EPT Individuals                               | 50.1    | 87.7 $\pm$ 7.4                             |
| % Odonata                                       | --      | 0.0 $\pm$ 0.0                              |
| % of 2 dominant taxa                            | 56.1    | 57.9 $\pm$ 14.2                            |
| % of 5 dominant taxa                            | 83.1    | 81.6 $\pm$ 7.9                             |
| % of dominant taxa                              | 45.4    | 39.8 $\pm$ 14.9                            |
| % Plecoptera                                    | 27.6    | 31.4 $\pm$ 15.4                            |
| % Tribe Tanyatarisini                           | --      |  |
| % Trichoptera that are Hydropsychida            | 0.0     | 27.0 $\pm$ 26.2                            |
| % Tricoptera                                    | 0.6     | 4.5 $\pm$ 2.8                              |
| No. EPT individuals/Chironomids+EPT Individuals | 0.5     | 0.9 $\pm$ 0.1                              |
| <b>Richness</b>                                 |         |  |
| Chironomidae taxa (genus level only)            | 1.0     | 1.0 $\pm$ 0.0                              |
| Coleoptera taxa                                 | 1.0     | 0.4 $\pm$ 0.5                              |
| Diptera taxa                                    | 4.0     | 3.3 $\pm$ 1.0                              |
| Ephemeroptera taxa                              | 3.0     | 3.8 $\pm$ 0.8                              |
| EPT Individuals (Sum)                           | 3380.0  | 526.0 $\pm$ 285.8                          |
| EPT taxa (no)                                   | 9.0     | 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%     | 0.81                                 |
| Chironomidae         | 100%                                       | 100%    | 100%    | 100%    | 95%     | 0.99                                 |
| Chloroperlidae       | 78%  | 88%     | 94%     | 100%    | 100%    | 0.98                                 |
| Ephemerellidae       | 78%  | 100%    | 100%    | 100%    | 100%    | 1.00                                 |
| Heptageniidae        | 100%                                       | 100%    | 100%    | 100%    | 100%    | 1.00                                 |
| Hydropsychidae       | 11%  | 92%     | 78%     | 92%     | 86%     | 0.90                                 |
| Nemouridae           | 100%                                       | 100%    | 100%    | 100%    | 100%    | 1.00                                 |
| Perlidae             | 11%  | 84%     | 33%     | 100%    | 3%      | 0.78                                 |
| Perlodidae           | 78%  | 78%     | 89%     | 92%     | 81%     | 0.88                                 |
| Rhyacophilidae       | 100%                                       | 92%     | 100%    | 100%    | 95%     | 0.98                                 |
| Taeniopterygidae     | 89%  | 49%     | 100%    | 92%     | 97%     | 0.89                                 |

### RIVPACS Ratios

|                                |       |
|--------------------------------|-------|
| RIVPACS : Expected taxa P>0.50 | 13.56 |
| RIVPACS : Observed taxa P>0.50 | 11.00 |
| RIVPACS : O:E (p > 0.5)        | 0.81  |
| RIVPACS : Expected taxa P>0.70 | 11.22 |
| RIVPACS : Observed taxa P>0.70 | 9.00  |
| RIVPACS : O:E (p > 0.7)        | 0.80  |

### Habitat Description

| Variable                                | NECAR01   | Predicted Group Reference 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)                          | 24.0      | 23.6 $\pm$ 11.1                         |
| Depth-BankfullMinusWetted (cm)          | 78.00     | 51.38 $\pm$ 29.42                       |
| Depth-Max (cm)                          | 39.5      | 34.6 $\pm$ 12.3                         |
| Macrophyte (PercentRange)               | 0         | 0 $\pm$ 0                               |
| Reach-%CanopyCoverage (PercentRange)    | 0.00      | 1.33 $\pm$ 0.78                         |
| Reach-DomStreamsideVeg (Category (1-4)) | 2         | 4 $\pm$ 1                               |
| 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)                             | 0.1259600 | 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)                      | 0.64      | 0.48 $\pm$ 0.22                         |
| Velocity-Max (m/s)                      | 0.89      | 0.76 $\pm$ 0.36                         |
| Width-Bankfull (m)                      | 40.0      | 13.4 $\pm$ 9.9                          |
| Width-Wetted (m)                        | 17.7      | 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                 |

## Habitat Description

| Variable                         | NECAR01    | Predicted Group Reference<br>Mean $\pm$ SD |
|----------------------------------|------------|--|
| 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                     |
| 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^2)             | 237.82223  | 124.42081 $\pm$ 200.99192                  |
| Perimeter (Km)                   | 107.64410  | 64.71360 $\pm$ 56.15436                    |
| StreamDensity (m/km^2)           | 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                      |

## Habitat Description

| Variable                            | NECAR01    | Predicted Group Reference<br>Mean $\pm$ SD |
|-------------------------------------|------------|--|
| 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)                            | 0.150      | 0.000                                      |
| Al (ppm)                            | 7490.000   | 0.005                                      |
| As (ppm)                            | 12.600     | 0.000                                      |
| Ba (ppm)                            | 50.900     | 0.068                                      |
| Be (ppm)                            | 0.200      | 0.000                                      |
| Bi (ppm)                            | 0.050      | 0.000                                      |
| Ca (ppm)                            | 2710.000   | 21.108 $\pm$ 16.801                        |
| Cd (ppm)                            | 0.490      | 0.000                                      |
| Co (ppm)                            | 4.600      | 0.000                                      |
| Cr (ppm)                            | 9.000      | 0.000                                      |
| Cu (ppm)                            | 10.400     | 0.000                                      |
| Fe (ppm)                            | 16900.000  | 0.008                                      |
| Hg (ppm)                            | 0.025      | 0.000 $\pm$ 0.000                          |
| K (ppm)                             | 1130.000   | 0.614 $\pm$ 0.406                          |
| Li (ppm)                            | 16.000     | 0.001                                      |
| Mg (ppm)                            | 4180.000   | 7.667 $\pm$ 7.975                          |
| Mn (ppm)                            | 282.000    | 0.001                                      |
| Mo (ppm)                            | 1.300      | 0.001                                      |
| Na (ppm)                            | 50.000     | 1.538 $\pm$ 1.275                          |
| Ni (ppm)                            | 9.100      | 0.000                                      |
| Pb (ppm)                            | 5.300      | 0.000                                      |
| Sb (ppm)                            | 0.400      | 0.000                                      |
| Se (ppm)                            | 0.250      | 0.000                                      |
| Sn (ppm)                            | 0.100      | 0.000                                      |
| Sr (ppm)                            | 16.000     | 0.044                                      |
| Ti (ppm)                            | 417.000    | 0.001                                      |
| Tl (ppm)                            | 0.100      | 0.000                                      |
| TP (ppm)                            | 658.000    | 0.000 $\pm$ 0.000                          |
| U (ppm)                             | 0.550      | 0.001                                      |
| V (ppm)                             | 32.000     | 0.000                                      |
| Zn (ppm)                            | 60.000     | 0.001                                      |
| Zr (ppm)                            | 0.600      | 0.000 $\pm$ 0.000                          |
| <b>Substrate Data</b>               |            |  |
| %Bedrock (%)                        | 0          | 0 $\pm$ 0                                  |
| %Boulder (%)                        | 0          | 9 $\pm$ 9                                  |
| %Cobble (%)                         | 55         | 51 $\pm$ 15                                |
| %Gravel (%)                         | 0          | 3 $\pm$ 3                                  |
| %Pebble (%)                         | 45         | 37 $\pm$ 20                                |
| %Sand (%)                           | 0          | 0 $\pm$ 0                                  |
| %Silt+Clay (%)                      | 0          | 0 $\pm$ 0                                  |
| D50 (cm)                            | 6.70       | 15.12 $\pm$ 14.26                          |
| Dg (cm)                             | 6.7        | 8.2 $\pm$ 2.8                              |
| Dominant-1st (Category(0-9))        | 6          | 7 $\pm$ 1                                  |
| Dominant-2nd (Category(0-9))        | 5          | 7 $\pm$ 1                                  |
| Embeddedness (Category(1-5))        | 3          | 5 $\pm$ 1                                  |
| PeriphytonCoverage (Category(1-5))  | 2          | 1 $\pm$ 0                                  |
| SurroundingMaterial (Category(0-9)) | 6          | 4 $\pm$ 1                                  |
| <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% (%)                  | 20.21000   | 18.88386 $\pm$ 9.29866                     |
| Slope30-50% (%)                     | 28.63164   | 29.00215 $\pm$ 6.33837                     |
| Slope50-60% (%)                     | 15.79183   | 13.91808 $\pm$ 1.91315                     |

**Habitat Description**

| <b>Variable</b>                              | <b>NECAR01</b> | <b>Predicted Group Reference<br/>Mean <math>\pm</math>SD</b> |
|--|----------------|--|
| <b>SlopeAvg (%)</b>                          | 50.07479       | 52.79851 $\pm$ 8.68755                                       |
| <b>SlopeGT60% (%)</b>                        | 33.33831       | 35.47207 $\pm$ 13.39684                                      |
| <b>SlopeLT30% (%)</b>                        | 22.23822       | 21.60770 $\pm$ 8.54172                                       |
| <b>SlopeMax (%)</b>                          | 215.77939      | 298.94390 $\pm$ 146.30679                                    |
| <b>SlopeMin (%)</b>                          | 0.00000        | 0.19777 $\pm$ 0.29213  |
| <b>SlopeStdev (%)</b>                        | 24.20049       | 26.57529 $\pm$ 4.62351                                       |
| <b>Water Chemistry</b>                       |                |  |
| <b>General-Alkalinity (mg/L)</b>             | 37.0000000     | 71.7000000 $\pm$ 53.9231440                                  |
| <b>General-DO (mg/L)</b>                     | 10.0000000     | 11.4175000 $\pm$ 0.7986708                                   |
| <b>General-pH (pH)</b>                       | 7.2            | 7.9 $\pm$ 0.4  |
| <b>General-SpCond (<math>\mu</math>S/cm)</b> | 120.2000000    | 168.9833333 $\pm$ 123.7858182                                |
| <b>General-TempAir (Degrees Celsius)</b>     | 6.9            | 26.0   |
| <b>General-TempWater (Degrees Celsius)</b>   | 8.8000000      | 7.3183333 $\pm$ 2.7240839                                    |
| <b>General-Turbidity (NTU)</b>               | 0.4000000      | 0.2020000  |
| <b>Nitrogen-NO2 (mg/L)</b>                   | 0.0025000      | 0.0027500 $\pm$ 0.0062831                                    |
| <b>Nitrogen-NO2+NO3 (mg/L)</b>               | 0.0100000      | 0.0690000  |
| <b>Nitrogen-NO3 (mg/L)</b>                   | 0.0100000      | 0.0546667 $\pm$ 0.0498148                                    |
| <b>Phosphorus-OrthoP (mg/L)</b>              | 0.0025000      | 0.0002727 $\pm$ 0.0004671                                    |