

**Site Description**

|  |  |
|--|--|
| <b>Study Name</b>                            | CBWQ-Slocan  |
| <b>Site</b>                                  | NJNIX01  |
| <b>Sampling Date</b>                         | Oct 30 2013  |
| <b>Know Your Watershed Basin</b>             | Slocan   |
| <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>         | 49.68333 N, 117.51667 W  |
| <b>Altitude</b>                              | 1703   |
| <b>Local Basin Name</b>                      | Slocan   |
|  | Slocan   |
| <b>Stream Order</b>                          | 1  |



Figure 1. Location Map

- Across Reach (No image found)
- Aerial (No image found)
- Down Stream (No image found)
- Field Sheet (No image found)
- Miscellaneous (No image found)
- Substrate (No image found)
- Up Stream (No image found)

**Cabin Assessment Results**

|  |   | <b>Reference Model Summary</b> |          |          |          |  |
|--|---|--------------------------------|----------|----------|----------|--|
| <b>Model</b>                                       | Columbia-Okanagan Preliminary March 2010                        |                                |          |          |          |  |
| <b>Analysis Date</b>                               | September 15, 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>             | 0.3%  | 8.1%                           | 10.0%    | 73.3%    | 8.3%     |  |
| <b>CABIN Assessment of NJNIX01 on Oct 30, 2013</b> | Mildly Divergent  |                                |          |          |          |  |

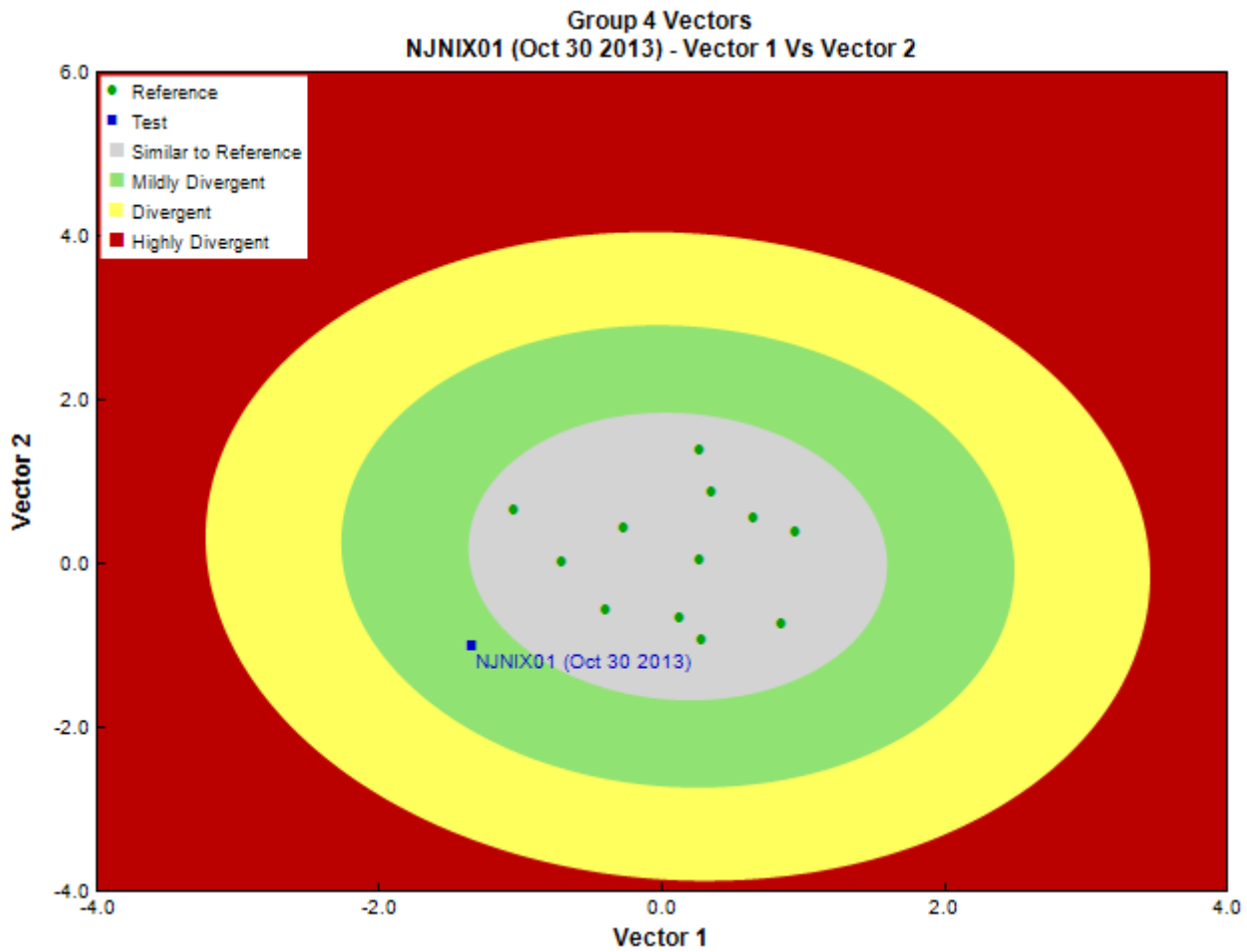


Figure 3. CABIN ordination assessment of the test site with the predicted group of reference sites. Each axis represents the relative abundance of the entire benthic invertebrate community with different organisms weighted differently on each axis.

**Sample Information**

|                                |                        |
|--------------------------------|------------------------|
| <b>Sampling Device</b>         | Kick Net               |
| <b>Mesh Size</b>               | 400                    |
| <b>Sampling Time</b>           | 3                      |
| <b>Taxonomist</b>              | Pina Viola, Consultant |
| <b>Date Taxonomy Completed</b> | March 12, 2014         |
|                                | Marchant Box           |
| <b>Sub-Sample Proportion</b>   | 28/100                 |

**Community Structure**

| Phylum     | Class     | Order          | Family          | Raw Count       | Total Count |       |
|------------|-----------|----------------|-----------------|-----------------|-------------|-------|
| Arthropoda | Arachnida | Trombidiformes | Aturidae        | 1               | 3.6         |       |
|            |           |                | Hydryphantidae  | 5               | 17.9        |       |
|            |           |                | Hygrobatidae    | 11              | 39.2        |       |
|            |           |                | Lebertiidae     | 3               | 10.7        |       |
|            |           |                | Torrenticolidae | 10              | 35.7        |       |
|            | Insecta   | Coleoptera     | Elmidae         | 22              | 78.5        |       |
|            |           |                | Haliplidae      | 1               | 3.6         |       |
|            |           | Diptera        | Chironomidae    | 96              | 342.9       |       |
|            |           |                | Empidiidae      | 2               | 7.1         |       |
|            |           |                | Simuliidae      | 1               | 3.6         |       |
|            |           |                | Tipulidae       | 3               | 10.7        |       |
|            |           |                | Ephemeroptera   | Baetidae        | 2           | 7.1   |
|            |           |                |                 | Ephemerellidae  | 35          | 125.0 |
|            |           |                |                 | Heptageniidae   | 35          | 125.0 |
|            |           |                |                 | Leptophlebiidae | 3           | 10.7  |

## Community Structure

| Phylum   | Class        | Order       | Family           | Raw Count | Total Count |
|----------|--------------|-------------|------------------|-----------|-------------|
|          |              | Hemiptera   | Corixidae        | 1         | 3.6         |
|          |              | Plecoptera  | Perlodidae       | 9         | 32.2        |
|          |              | Trichoptera | Glossosomatidae  | 4         | 14.3        |
|          |              |             | Hydropsychidae   | 24        | 85.7        |
|          |              |             | Hydroptilidae    | 6         | 21.4        |
|          |              |             | Lepidostomatidae | 36        | 128.6       |
|          |              |             | Leptoceridae     | 1         | 3.6         |
|          |              |             | Rhyacophilidae   | 1         | 3.6         |
|          | Malacostraca | Amphipoda   | Hyalellidae      | 3         | 10.7        |
| Mollusca | Bivalvia     | Veneroida   | Pisidiidae       | 4         | 14.3        |
|          |              |             | Total            | 319       | 1,139.3     |

## Metrics

| Name  | NJNIX01 | Predicted Group Reference<br>Mean $\pm$ SD |
|---|---------|--|
| Bray-Curtis Distance                            | 0.76    | 0.4 $\pm$ 0.1                              |
| <b>Biotic Indices</b>                           |         |  |
| Hilsenhoff Family index (North-West)            | 4.3     | 3.2 $\pm$ 0.3                              |
| Intolerant taxa                                 | --      |  |
| Long-lived taxa                                 | 4.0     | 2.1 $\pm$ 1.0                              |
| Tolerant individuals (%)                        | 0.3     | 0.8 $\pm$ 0.3                              |
| <b>Functional Measures</b>                      |         |  |
| % Filterers                                     | 7.8     | 2.2 $\pm$ 1.8                              |
| % Gatherers                                     | 54.9    | 38.4 $\pm$ 12.4                            |
| % Predatores                                    | 51.4    | 19.0 $\pm$ 8.5                             |
| % Scrapers                                      | 21.9    | 63.2 $\pm$ 19.7                            |
| % Shredder                                      | 19.7    | 27.6 $\pm$ 15.2                            |
| No. Clinger Taxa                                | 20.0    | 23.2 $\pm$ 6.3                             |
| <b>Number Of Individuals</b>                    |         |  |
| % Chironomidae                                  | 30.1    | 7.4 $\pm$ 6.4                              |
| % Coleoptera                                    | 7.2     | 1.5 $\pm$ 3.9                              |
| % Diptera + Non-insects                         | 43.9    | 10.8 $\pm$ 7.6                             |
| % Ephemeroptera                                 | 23.5    | 51.7 $\pm$ 18.8                            |
| % Ephemeroptera that are Baetidae               | 2.7     | 40.6 $\pm$ 30.0                            |
| % EPT Individuals                               | 48.9    | 87.7 $\pm$ 7.4                             |
| % Odonata                                       | 0.0     | 0.0 $\pm$ 0.0                              |
| % of 2 dominant taxa                            | 41.4    | 57.9 $\pm$ 14.2                            |
| % of 5 dominant taxa                            | 70.9    | 81.6 $\pm$ 7.9                             |
| % of dominant taxa                              | 30.1    | 39.8 $\pm$ 14.9                            |
| % Plecoptera                                    | 2.8     | 31.4 $\pm$ 15.4                            |
| % Tribe Tanyatarisini                           | --      |  |
| % Trichoptera that are Hydropsychida            | 33.3    | 27.0 $\pm$ 26.2                            |
| % Tricoptera                                    | 22.6    | 4.5 $\pm$ 2.8                              |
| No. EPT individuals/Chironomids+EPT Individuals | 0.6     | 0.9 $\pm$ 0.1                              |
| Total Abundance                                 | 1139.2  | 587.4 $\pm$ 299.1                          |
| <b>Richness</b>                                 |         |  |
| Chironomidae taxa (genus level only)            | 1.0     | 1.0 $\pm$ 0.0                              |
| Coleoptera taxa                                 | 2.0     | 0.4 $\pm$ 0.5                              |
| Diptera taxa                                    | 4.0     | 3.3 $\pm$ 1.0                              |
| Ephemeroptera taxa                              | 4.0     | 3.8 $\pm$ 0.8                              |
| EPT Individuals (Sum)                           | 557.1   | 526.0 $\pm$ 285.8                          |
| EPT taxa (no)                                   | 11.0    | 13.3 $\pm$ 2.7                             |
| Odonata taxa                                    | 0.0     | 0.0 $\pm$ 0.0                              |
| Pielou's Evenness                               | 0.7     | 0.7 $\pm$ 0.1                              |
| Plecoptera taxa                                 | 1.0     | 6.3 $\pm$ 1.1                              |
| Shannon-Wiener Diversity                        | 2.4     | 1.9 $\pm$ 0.4                              |
| Simpson's Diversity                             | 0.9     | 0.8 $\pm$ 0.1                              |
| Simpson's Evenness                              | 0.3     | 0.3 $\pm$ 0.1                              |
| Total No. of Taxa                               | 25.0    | 19.3 $\pm$ 3.7                             |
| Trichoptera taxa                                | 6.0     | 3.2 $\pm$ 1.4                              |

### Frequency and Probability of Taxa Occurrence

| Reference Model Taxa | Frequency of Occurrence in Reference Sites |         |         |         |         | Probability Of Occurrence at NJNIX01 |
|----------------------|--|---------|---------|---------|---------|--------------------------------------|
|                      | 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%    | 0.98                                 |
| 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%      | 0.84                                 |
| Perlodidae           | 78%  | 78%     | 89%     | 92%     | 81%     | 0.89                                 |
| Rhyacophilidae       | 100%                                       | 92%     | 100%    | 100%    | 95%     | 0.99                                 |
| Taeniopterygidae     | 89%  | 49%     | 100%    | 92%     | 97%     | 0.89                                 |

### RIVPACS Ratios

|                                |       |
|--------------------------------|-------|
| RIVPACS : Expected taxa P>0.50 | 13.69 |
| RIVPACS : Observed taxa P>0.50 | 10.00 |
| RIVPACS : O:E (p > 0.5)        | 0.73  |
| RIVPACS : Expected taxa P>0.70 | 11.31 |
| RIVPACS : Observed taxa P>0.70 | 7.00  |
| RIVPACS : O:E (p > 0.7)        | 0.62  |

### Habitat Description

| Variable                                | NJNIX01   | Predicted Group Reference Mean $\pm$ SD |
|---|-----------|---|
| <b>Bedrock Geology</b>                  |           |   |
| Alluvium (%)                            | 0.00000   | 0.00000 $\pm$ 0.00000                   |
| Intrusive (%)                           | 49.90554  | 11.07346 $\pm$ 28.63466                 |
| Metamorphic (%)                         | 21.63943  | 17.96649 $\pm$ 35.53463                 |
| Sedimentary (%)                         | 27.10734  | 70.96005 $\pm$ 44.90394                 |
| Ultramafic (%)                          | 0.00000   | 0.00000 $\pm$ 0.00000                   |
| Volcanic (%)                            | 1.34768   | 0.00000 $\pm$ 0.00000                   |
| <b>Channel</b>                          |           |   |
| Depth-Avg (cm)                          | 26.1      | 23.6 $\pm$ 11.1                         |
| Depth-BankfullMinusWetted (cm)          | 103.00    | 51.38 $\pm$ 29.42                       |
| Depth-Max (cm)                          | 57.0      | 34.6 $\pm$ 12.3                         |
| Macrophyte (PercentRange)               | 0         | 0 $\pm$ 0                               |
| Reach-%CanopyCoverage (PercentRange)    | 1.00      | 1.33 $\pm$ 0.78                         |
| Reach-DomStreamsideVeg (Category (1-4)) | 1         | 4 $\pm$ 1                               |
| Reach-Pools (Binary)                    | 1         | 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)                             | 0.0050000 | 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)                      | 0.10      | 0.48 $\pm$ 0.22                         |
| Velocity-Max (m/s)                      | 0.44      | 0.76 $\pm$ 0.36                         |
| Width-Bankfull (m)                      | 31.5      | 13.4 $\pm$ 9.9                          |
| Width-Wetted (m)                        | 17.3      | 8.5 $\pm$ 5.8                           |
| XSEC-VelMethod (Category (1-3))         | 1         | 1 $\pm$ 0                               |
| <b>Climate</b>                          |           |   |
| Precip01_JAN (mm)                       | 138.15789 | 104.85000 $\pm$ 26.28129                |
| Precip02_FEB (mm)                       | 112.28947 | 83.66667 $\pm$ 27.10278                 |
| Precip03_MAR (mm)                       | 100.76316 | 77.23611 $\pm$ 27.15950                 |
| Precip04_APR (mm)                       | 138.15789 | 104.85000 $\pm$ 26.28129                |
| Precip05_MAY (mm)                       | 81.36842  | 71.65833 $\pm$ 17.81753                 |
| Precip06_JUN (mm)                       | 91.94737  | 78.56667 $\pm$ 15.58521                 |
| Precip07_JUL (mm)                       | 75.13158  | 64.39167 $\pm$ 10.41611                 |

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| Variable                           | NJNIX01    | Predicted Group Reference<br>Mean $\pm$ SD |
|------------------------------------|------------|--|
| Precip08_AUG (mm)                  | 71.92105   | 60.53056 $\pm$ 10.43373                    |
| Precip09_SEP (mm)                  | 68.86842   | 56.91944 $\pm$ 10.91783                    |
| Precip10_OCT (mm)                  | 85.44737   | 65.08056 $\pm$ 14.41229                    |
| Precip11_NOV (mm)                  | 135.47368  | 105.93889 $\pm$ 25.04104                   |
| Precip12_DEC (mm)                  | 151.52632  | 116.84444 $\pm$ 29.80954                   |
| PrecipTotal_ANNUAL (mm)            | 1193.34211 | 952.64722 $\pm$ 226.04690                  |
| Temp01_JANMax (Degrees Celsius)    | -4.71053   | -4.39167 $\pm$ 2.51268                     |
| Temp01_JANmin (Degrees Celsius)    | -10.71053  | -11.40833 $\pm$ 3.53951                    |
| Temp02_FEBmax (Degrees Celsius)    | -2.02632   | -1.70000 $\pm$ 2.12945                     |
| Temp02_FEBmin (Degrees Celsius)    | -8.81579   | -9.17500 $\pm$ 3.33361                     |
| Temp03_MARmax (Degrees Celsius)    | 1.42105    | 2.50556 $\pm$ 2.87525                      |
| Temp03_MARmin (Degrees Celsius)    | -6.28947   | -6.14167 $\pm$ 2.98556                     |
| Temp04_APRmax (Degrees Celsius)    | 5.81579    | 7.12222 $\pm$ 3.48771                      |
| Temp04_APRmin (Degrees Celsius)    | -2.81579   | -2.71667 $\pm$ 2.22785                     |
| Temp05_MAYmax (Degrees Celsius)    | 10.76316   | 12.03889 $\pm$ 3.55434                     |
| Temp05_MAYmin (Degrees Celsius)    | 0.71053    | 1.04722 $\pm$ 2.08663                      |
| Temp06_JUNMax (Degrees Celsius)    | 14.42105   | 15.72500 $\pm$ 3.40030                     |
| Temp06_JUNMin (Degrees Celsius)    | 3.71053    | 4.00278 $\pm$ 2.41085                      |
| Temp07_JULmax (Degrees Celsius)    | 18.21053   | 19.56111 $\pm$ 3.47275                     |
| Temp07_JULmin (Degrees Celsius)    | 6.18421    | 6.35833 $\pm$ 2.28332                      |
| Temp08_AUGmax (Degrees Celsius)    | 18.15789   | 19.52222 $\pm$ 3.51100                     |
| Temp08_AUGmin (Degrees Celsius)    | 6.02632    | 6.19167 $\pm$ 2.34422                      |
| Temp09_SEPmax (Degrees Celsius)    | 12.97368   | 14.04444 $\pm$ 3.03456                     |
| Temp09_SEPmin (Degrees Celsius)    | 2.07895    | 2.04722 $\pm$ 2.37208                      |
| Temp10_OCTmax (Degrees Celsius)    | 5.71053    | 6.88889 $\pm$ 2.71577                      |
| Temp10_OCTmin (Degrees Celsius)    | -1.36842   | -1.46111 $\pm$ 1.64316                     |
| Temp11_NOVmax (Degrees Celsius)    | -1.44737   | -0.79722 $\pm$ 2.43512                     |
| Temp11_NOVmin (Degrees Celsius)    | -6.63158   | -6.68056 $\pm$ 2.97163                     |
| Temp12_DECmax (Degrees Celsius)    | -4.94737   | -4.66389 $\pm$ 2.69757                     |
| Temp12_DECmin (Degrees Celsius)    | -10.36842  | -10.65833 $\pm$ 3.71739                    |
| TempANNUALmax (Degrees Celsius)    | 5.92105    | 6.96389 $\pm$ 3.06157                      |
| TempANNUALmean (Degrees Celsius)   | 1.44737    | 2.25278 $\pm$ 2.66574                      |
| TempANNUALmin (Degrees Celsius)    | -2.02632   | -2.18056 $\pm$ 2.41152                     |
| <b>Hydrology</b>                   |            |  |
| Drainage-Area (km <sup>2</sup> )   | 2195.36191 | 124.42081 $\pm$ 200.99192                  |
| Perimeter (Km)                     | 410.69347  | 64.71360 $\pm$ 56.15436                    |
| StreamDensity (m/km <sup>2</sup> ) | 2262.30243 | 2246.06682 $\pm$ 604.89962                 |
| StreamLength (m)                   | 4966572.60 | 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 (%)             | 3.04214    | 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 (%)           | 0.38762    | 0.64845 $\pm$ 0.37668                      |
| Natl-ConiferousOpen (%)            | 49.02687   | 54.62780 $\pm$ 18.30692                    |
| Natl-ConiferousSparse (%)          | 1.16304    | 0.94121 $\pm$ 1.53621                      |
| Natl-Deciduous (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-Developed (%)                 | 0.10551    | 0.00000 $\pm$ 0.00000                      |
| Natl-ExposedLand (%)               | 17.50844   | 13.20054 $\pm$ 11.11850                    |
| Natl-Grassland (%)                 | 1.49508    | 1.87556 $\pm$ 1.68508                      |
| Natl-Herb (%)                      | 6.83128    | 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 (%)             | 0.09190    | 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 (%)               | 0.60490    | 1.56403 $\pm$ 2.75979                      |
| Natl-Shrubland (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-ShrubLow (%)                  | 1.61545    | 4.98298 $\pm$ 3.22579                      |
| Natl-ShrubTall (%)                 | 0.00000    | 0.00000 $\pm$ 0.00000                      |

## Habitat Description

| Variable                            | NJNIX01    | Predicted Group Reference<br>Mean $\pm$ SD |
|-------------------------------------|------------|--|
| Natl-SnowIce (%)                    | 0.25499    | 0.08491 $\pm$ 0.15475                      |
| Natl-Water (%)                      | 3.94819    | 0.22916 $\pm$ 0.36834                      |
| Natl-Wetland (%)                    | 0.00000    | 0.00000 $\pm$ 0.00000                      |
| Natl-WetlandHerb (%)                | 0.05335    | 0.12918 $\pm$ 0.35193                      |
| Natl-WetlandShrub (%)               | 0.00666    | 0.00000 $\pm$ 0.00000                      |
| Natl-WetlandTreed (%)               | 0.00466    | 0.00000 $\pm$ 0.00000                      |
| Reg-Ice (%)                         | 0.10000    | 0.02487 $\pm$ 0.06034                      |
| <b>Substrate Data</b>               |            |  |
| %Bedrock (%)                        | 0          | 0 $\pm$ 0                                  |
| %Boulder (%)                        | 0          | 9 $\pm$ 9                                  |
| %Cobble (%)                         | 50         | 51 $\pm$ 15                                |
| %Gravel (%)                         | 4          | 3 $\pm$ 3                                  |
| %Pebble (%)                         | 45         | 37 $\pm$ 20                                |
| %Sand (%)                           | 0          | 0 $\pm$ 0                                  |
| %Silt+Clay (%)                      | 1          | 0 $\pm$ 0                                  |
| D50 (cm)                            | 6.00       | 15.12 $\pm$ 14.26                          |
| Dg (cm)                             | 5.0        | 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))        | 4          | 5 $\pm$ 1                                  |
| PeriphytonCoverage (Category(1-5))  | 4          | 1 $\pm$ 0                                  |
| SurroundingMaterial (Category(0-9)) | 6          | 4 $\pm$ 1                                  |
| <b>Topography</b>                   |            |  |
| ElevationMax (m)                    | 3015.00000 | 2634.66667 $\pm$ 309.54023                 |
| ElevationMin (m)                    | 512.00000  | 913.41667 $\pm$ 271.25180                  |
| ElevationStdev (m)                  | 502.23679  | 349.02363 $\pm$ 92.12445                   |
| Reg-SlopeLT30% (%)                  | 21.48000   | 18.88386 $\pm$ 9.29866                     |
| Slope30-50% (%)                     | 26.66487   | 29.00215 $\pm$ 6.33837                     |
| Slope50-60% (%)                     | 13.97946   | 13.91808 $\pm$ 1.91315                     |
| SlopeAvg (%)                        | 51.29385   | 52.79851 $\pm$ 8.68755                     |
| SlopeGT60% (%)                      | 35.58037   | 35.47207 $\pm$ 13.39684                    |
| SlopeLT30% (%)                      | 23.77530   | 21.60770 $\pm$ 8.54172                     |
| SlopeMax (%)                        | 574.77527  | 298.94390 $\pm$ 146.30679                  |
| SlopeMin (%)                        | 0.00000    | 0.19777 $\pm$ 0.29213                      |
| SlopeStdev (%)                      | 28.98687   | 26.57529 $\pm$ 4.62351                     |
| <b>Water Chemistry</b>              |            |  |
| General-DO (mg/L)                   | 13.0000000 | 11.4175000 $\pm$ 0.7986708                 |
| General-TempAir (Degrees Celsius)   | 6.0        | 26.0                                       |
| General-TempWater (Degrees Celsius) | 10.0000000 | 7.3183333 $\pm$ 2.7240839                  |