

[DIATOM COLLECTIONS FOR CALCULATION OF THE DIATOM
NUTRIENT INDEX (DNI) (2.3)
WDNR WATER QUALITY MONITORING PROGRAM]

February 26, 2015

Diatom Sampling Sheet

Date: 7-15-2019 Collected by: Mary Gansberg + Holly Stegemann

Stream name: Kriwanek Creek

Site ID: 10009818

Riffle coordinates: _____

Substrate sampled (circle): Rock Gravel/Sand Silt/Sediments

| Substrate | Macro-algae Cover (0 to 3) | Moss Cover (0 to 3) | Periphyton Thickness (0 to 5) | Dimensions of Area Scraped (if measured) CM | Petri (check if used) |
|-----------|----------------------------|---------------------|-------------------------------|---|-----------------------|
| 1 | 0 | 0 | 1 | 11 x 18 | |
| 2 | 0 | 0 | 1 | 9 x 9 | |
| 3 | 0 | 0 | 1 | 10 x 9 | |
| 4 | 0 | 0 | 1 | 10 x 7 | |
| 5 | 0 | 0 | 1 | 13 x 16 | |
| 6 | 3 | 3 | 1 | 20 x 15 | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |

Moss cover and macro-algal cover:
 0: no moss or macro-algae present;
 1: some moss or macroalgae, but <5% coverage;
 2: 5-25% cover of substratum by moss or macro-algae;
 3: > 25% cover of substratum by moss or macro-algae

Periphyton (microalgae) thickness:
 0: substrate is rough with no apparent growth;
 0.5: substrate is slimy, but biofilm is not visible (tracks cannot be drawn in the film with the back of your fingernail; endolithic algae can appear green but will not scratch easily from the substratum);
 1: a thin layer of microalgae is visible (tracks can be drawn in the film with the back of your fingernail);
 2: accumulation of microalgae to a thickness of 0.5-1 mm;
 3: accumulation of microalgae from 1 mm to 5 mm thick;
 4: accumulation of microalgae from 5 mm to 20 mm;
 5: layer of microalgae is greater than 2 cm.

Site notes: _____