

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

February 26, 2015

Diatom Sampling Sheet

Date: 7-12-2019 Collected by: M. Gansberg

Stream name: Woodard Creek at CTHU

Site ID: 10010279

Riffle coordinates: 44.73335, 87.35618

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

Table with 6 columns: Substrate, Macro-algae Cover (0 to 3), Moss Cover (0 to 3), Periphyton Thickness (0 to 5), Dimensions of Area Scraped (if measured) CM, Retri (check if used). Rows 1-6 contain data, rows 7-9 are crossed out.

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: Fairly shaded. Hard to find deep enough

sites to sample