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

February 26, 2015

Diatom Sampling Sheet

Date: 7-18-2019 Collected by: Mary Gansberg

Stream name: Spring Creek

Site ID: 10044215

Riffle coordinates: 44.1718624, 88.0643463

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	2	0	3	24 x 16	
2	2	0	2	20 x 13	
3	2	0	1	10 x 20	
4	2	0	1	13 x 17	
5	2	1	5	23 x 5	
6	2	1	1	9 x 8	
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: