

[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: Mary Gansberg

Stream name: Casco Creek

Site ID: 10020875

Riffle coordinates: 44.58388, 87.60212

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	1	1	18x16	-
2	0	1	1	12x19	-
3	0	2	1	13x16	
4	0	3	1	20x20	
5	0	1	1	22x11	
6	0	0	1	19x15	
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: Hard to find rocks in sunny areas not

100% covered with thick Moss.