

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

February 26, 2015

Diatom Sampling Sheet

Date: 8-2-2019 Collected by: Mary Gansberg

Stream name: Ahnapee River

Site ID: 153161

Riffle coordinates: 44.74972, 87.53615

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		3		10 x 11	
2		3		10 x 8	
3		3		9 x 12	
4		1		1 x 7	
5		3		9 x 6	
6		2		10 x 11	
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: LTT Wadeable stream site