

K. Diatom Phosphorus Index Sampling Sheet

Date: 8/17/18 Collected by: Mary Gansburg

Stream name: Branch River at N. Union Road

Site /Station ID: 363299

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 3)	Dimensions of Area Scraped (if measured) CM	Petri (check if used)
1		0		15x16	
2		0		15x9	
3		0		16x10	
4		0		16x13	
5		0		11x7	
6		0		17x15	
7					
8					
9					

Periphyton (microalgae) thickness on substrates collected for DPI sample:

0 – Almost no algal growth visible. Substrates feel rough or slightly slimy with none to very little (<10%) green, golden or brown discoloration/film on substrate surface.

1 – A thin layer of green, golden or brown algal film present on substrate surfaces but underlying substrate is still mostly visible.

2 – Algal mats are ~ 1mm thick and obscure the color and surface of the underlying substrate. This may include few algal filaments, generally less than 1 cm long.

3 – Algal mats are greater than 2mm thick mostly covered with algal filaments longer than 1 cm. Surface may appear to be covered in short “fur-like” filaments or in extreme cases the surface will be covered with extremely long, bright green hair-like filaments.

Site notes

Site Name: Branch River

Date: 8/21/2018

SWIMS ID: 363299

Staff: Mary Gansberg

		Location	NA	0	1	2	3
Transect	1	FL	50	50			
Transect	2	LC	35	40	25		
Transect	3	RC	40	20	40		
Transect	4	FR	60	40			
Transect	5	FR	80	20			
Transect	6	RC	30	30	40		
Transect	7	FL	30	30	40		
Transect	8	RC LC	30	40	30		
Transect	9	LC	20	50	30		
Transect	10	RC	10	20	50	20	
Transect	11	LC	20	70	10		
Transect	12	RC	10	30	60		

DPI Sample: N