

# SITE A DATA SHEET

## Spring 2015 - Transects 8-10

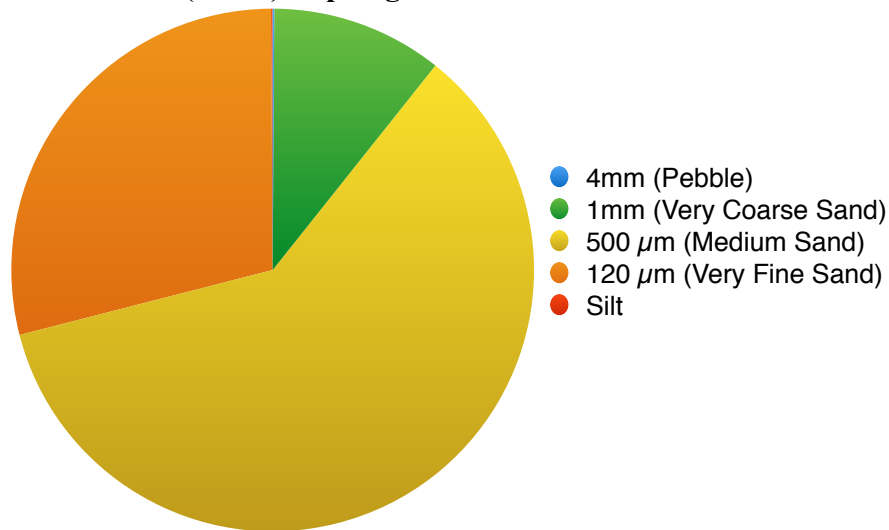
	4mm		1mm		500 micrometers		120 micrometers		Silt		
Sample #	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Total
Transect 8 (2-3m)	0.5	0.1	64.8	10.6	369.3	60.3	177.3	28.9	0.5	0.1	612.4
Transect 8 (5-6m)	8.1	1.5	111.9	20.8	334.1	62.1	80.0	14.9	2.0	0.4	538.0
Transect 9 (2-3m)	9.2	1.9	175.2	24.1	534.6	78.4	104.3	16.9	0.4	0.1	823.6
Transect 9 (5-6 m)	2.0	0.3	195.8	27.4	414.4	58.1	100.5	14.1	1.1	0.2	713.8
Transect 10 (2-3m)	5.4	0.8	220.3	35.7	333.8	54.1	56.0	9.1	1.1	0.2	616.6
Transect 10 (5-6m)	10.1	2.0	130.6	17.6	336.6	55.2	59.6	11.3	1.1	0.2	537.6

Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
8	2-3	Bed	Medium High	7.0	Trace	Low
8	5-6	Bed	Low	6.0	Trace	Low
9	2-3	Bed	Medium High	7.0	Trace	Trace
9	5-6	Bed	Medium High	6.0	Trace	Low
10	2-3	Bed	Medium	6.0	Trace	Low
10	5-6	Bed	Medium	6.0	Trace	Low

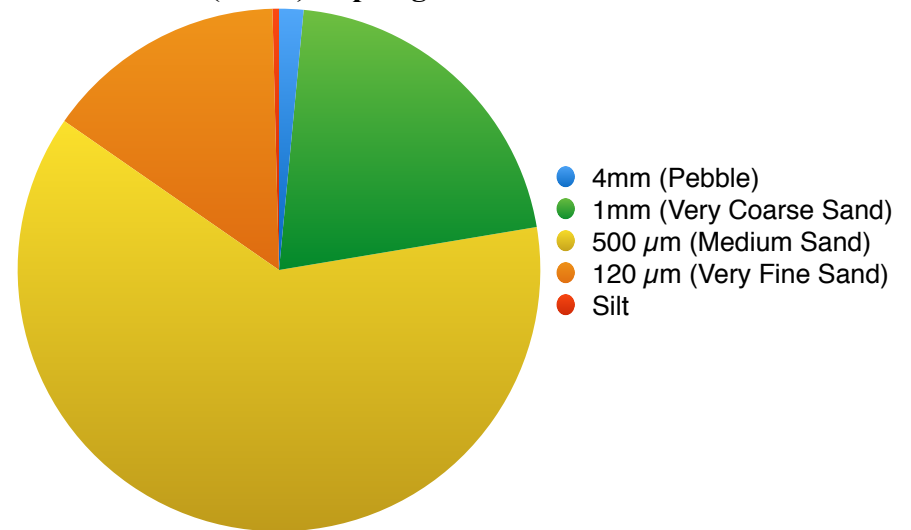
## Transect 8

	4mm		1mm		500 micrometers		120 micrometers		Silt		
Sample #	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Total
Transect 8 (2-3m)	0.5	0.1	64.8	10.6	369.3	60.3	177.3	28.9	0.5	0.1	612.4
Transect 8 (5-6m)	8.1	1.5	111.9	20.8	334.1	62.1	80.0	14.9	2.0	0.4	538.0

**Composition of Sediments at Site A**  
**Transect 8 (2-3 m) - Spring 2015**



**Composition of Sediments at Site A**  
**Transect 8 (5-6 m) - Spring 2015**



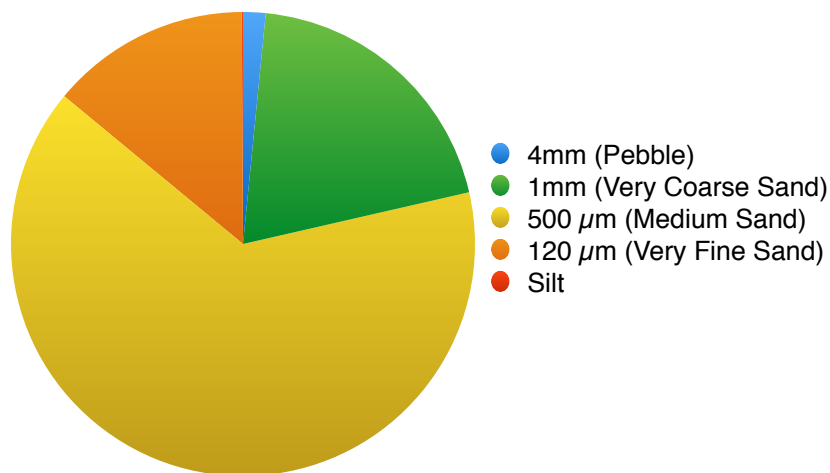
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
8	2-3	Bed	Medium High	7.0	Trace	Low
8	5-6	Bed	Low	6.0	Trace	Low

Analysis: The majority of the two sediment samples collected at Transect 8 fall within the 500-120  $\mu$ m of size, with again relatively low levels of silt. There is a large change in potassium levels from the 2-3 m distances from the 5-6 m distance, with the 2-3 m distance containing medium high levels of potassium. The pH levels, although the 5-6 m distance is slightly acidic, are fairly normal, along with the nitrogen and phosphorus levels.

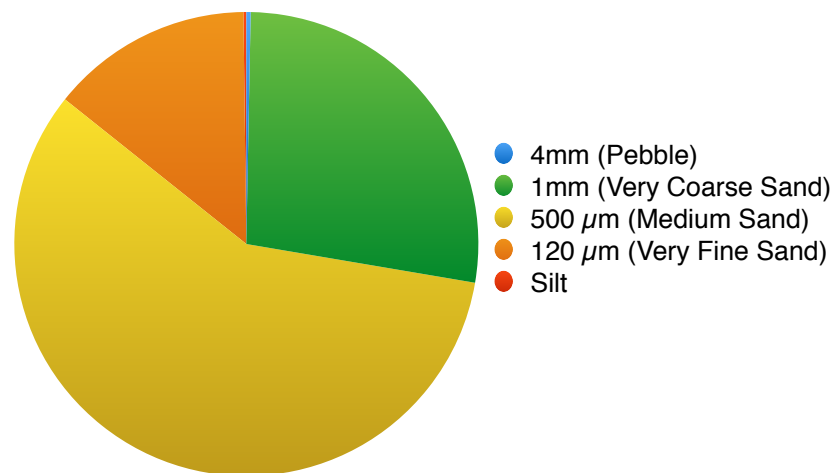
## Transect 9

	4mm		1mm		500 micrometers		120 micrometers		Silt		
Sample #	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Total
Transect 9 (2-3m)	9.2	1.9	175.2	24.1	534.6	78.4	104.3	16.9	0.4	0.1	823.6
Transect 9 (5-6 m)	2.0	0.3	195.8	27.4	414.4	58.1	100.5	14.1	1.1	0.2	713.8

**Composition of Sediments at Site A**  
**Transect 9 (2-3 m) - Spring 2015**



**Composition of Sediments at Site A**  
**Transect 9 (5-6 m) - Spring 2015**



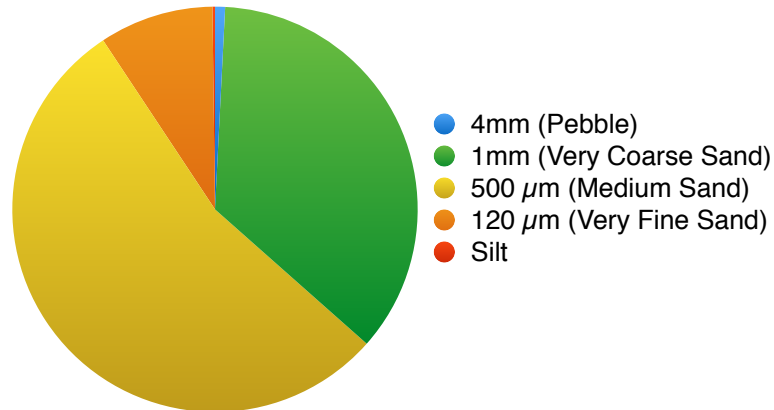
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
9	2-3	Bed	Medium-High	7.0	Trace	Trace
9	5-6	Bed	Medium-High	6.0	Trace	Low

Analysis: Sediment samples from Site A at Transect 9 contains a majority of Medium Sand grade sediments with relatively low levels of silt. Although not as high of an amount as the previous semester, there are medium-high levels of potassium found now in both the 2-3m and 5-6m distances from the bank, which could be traced back to possible sources of pollution. However, pH levels, nitrogen levels, and phosphorus levels all fall within the healthy range of the creek.

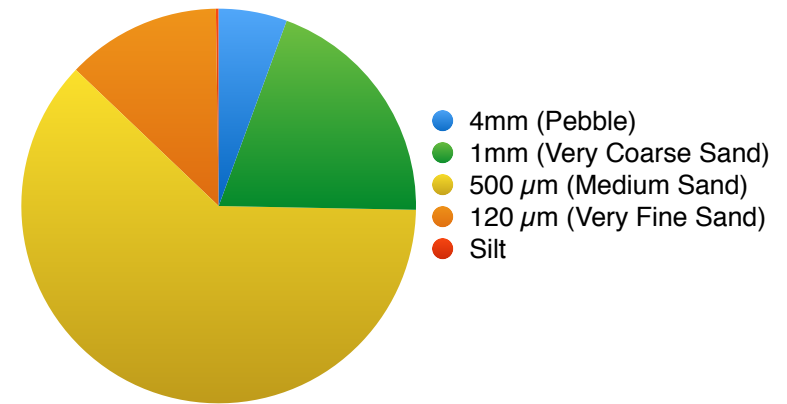
# Transect 10

	4mm		1mm		500 micrometers		120 micrometers		Silt		
Sample #	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Mass (g)	% of total	Total
Transect 10 (2-3m)	5.4	0.8	220.3	35.7	333.8	54.1	56.0	9.1	1.1	0.2	616.6
Transect 10 (5-6m)	10.4	2.0	130.6	17.6	336.6	55.2	59.6	11.3	1.1	0.2	537.6

**Composition of Sediments at Site A  
Transect 10 (2-3 m) - Spring 2015**

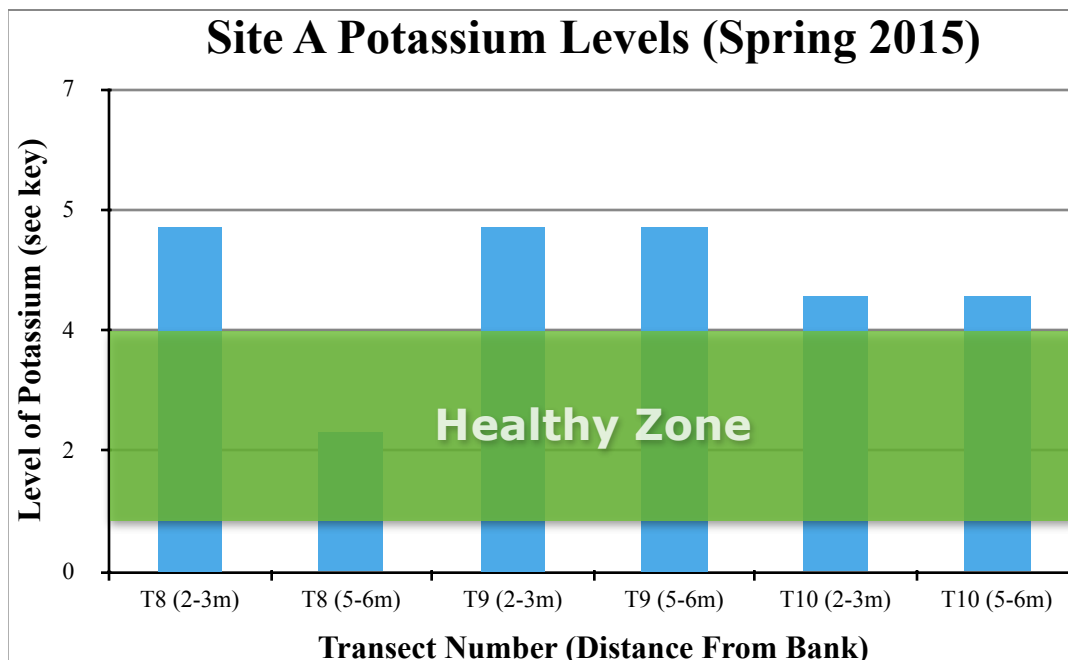


**Composition of Sediments at Site A  
Transect 10 (5-6 m) - Spring 2015**

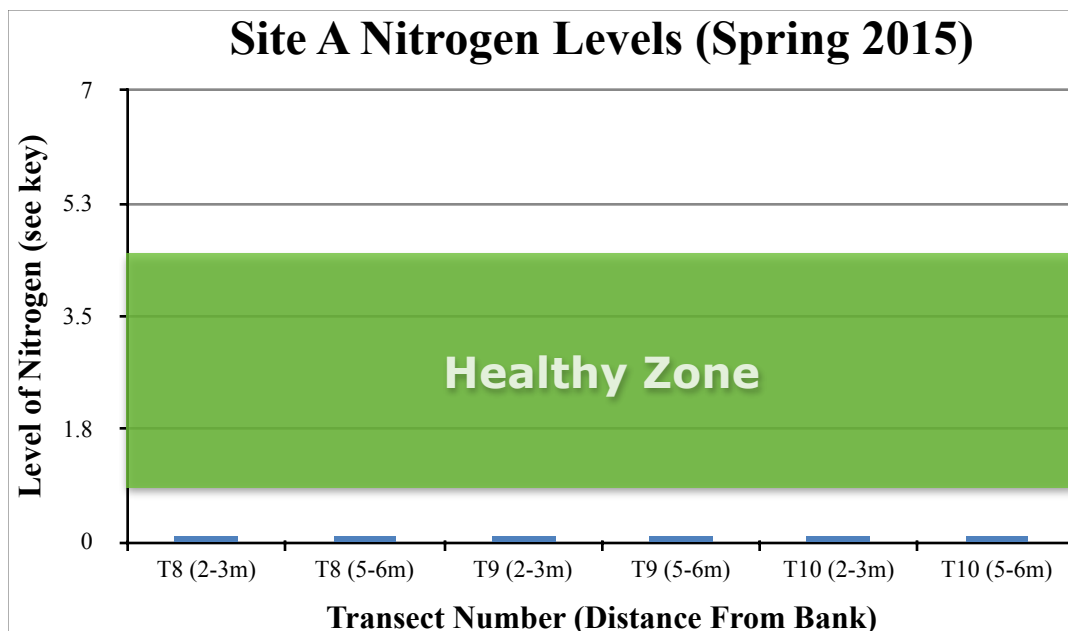


Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
10	2-3	Bed	Medium	6.0	Trace	Low
10	5-6	Bed	Medium	6.0	Trace	Low

Analysis: Transect 10's sediment samples are mostly concentrated at the 500 µm sediment size and there are low levels of silt in both the 2-3m and 5-6m samples. Both samples contain medium levels of potassium, trace levels of nitrogen, and low levels of phosphorus, all of which lies within the healthy range for the creek. The pH levels of the sediments located in transect 10 are slightly acidic, with a pH of 6; however, sediment samples collected in transect 10 appear to fall within the normal range.

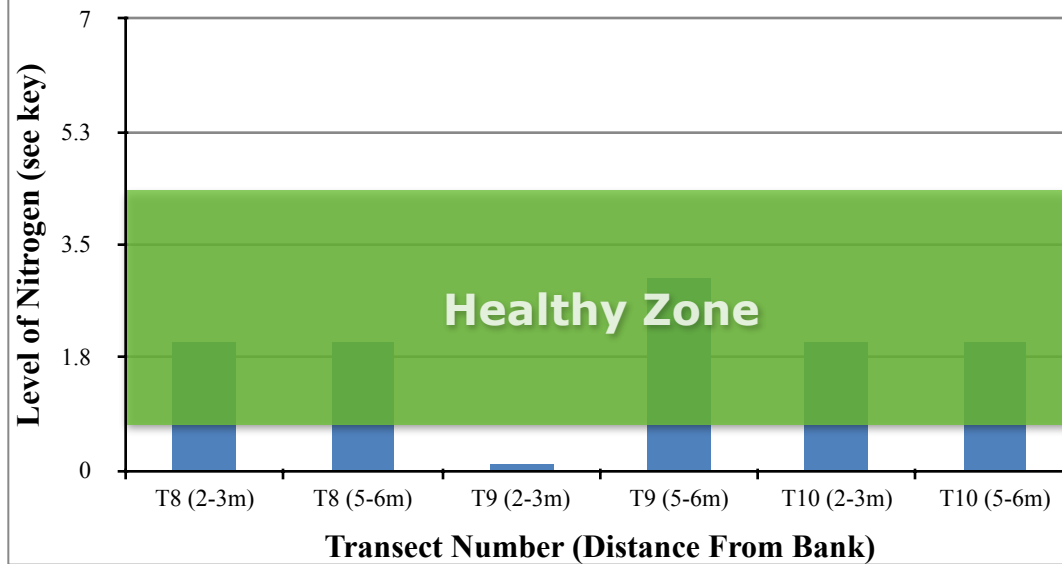


Potassium Level Key	
0	Trace
1	Very Low
2	Low
3	Medium Low
4	Medium
5	Medium High
6	High
7	Very High



Nitrogen Level Key	
0	Trace
1	Very Low
2	Low
3	Medium Low
4	Medium
5	Medium High
6	High
7	Very High

## Site A Phosphorus Levels (Spring 2015)



### Phosphorus Level Key

0	Trace
1	Very Low
2	Low
3	Medium Low
4	Medium
5	Medium High
6	High
7	Very High

## Site A pH Levels (Spring 2015)

