SITE A DATA SHEET
Fall 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)	1.7	0.44	50.6	13.00	217.4	55.84	119.4	30.67	0.2	0.05	389.3
Transect 8 (5-6m)	3.2	0.29	174.3	15.81	723.3	65.62	201.4	18.27	0.0	0.0	1102.2
Transect 9 (2-3m)	3.7	0.5	135.5	17.38	481.0	61.69	169.5	21.74	0.0	0.0	779.7
Transect 9 (5-6 m)	45.5	5.32	348.2	40.73	346.8	40.56	113.0	13.22	1.5	0.0	855.00
Transect 10 (2-3m)	6.8	0.76	146.4	16.34	649.3	72.69	40.8	10.16	0.0	0.0	893.3
Transect 10 (5-6m)	25.2	2.32	440.1	40.55	539.4	49.70	80.4	7.41	0.2	0.02	1085.3

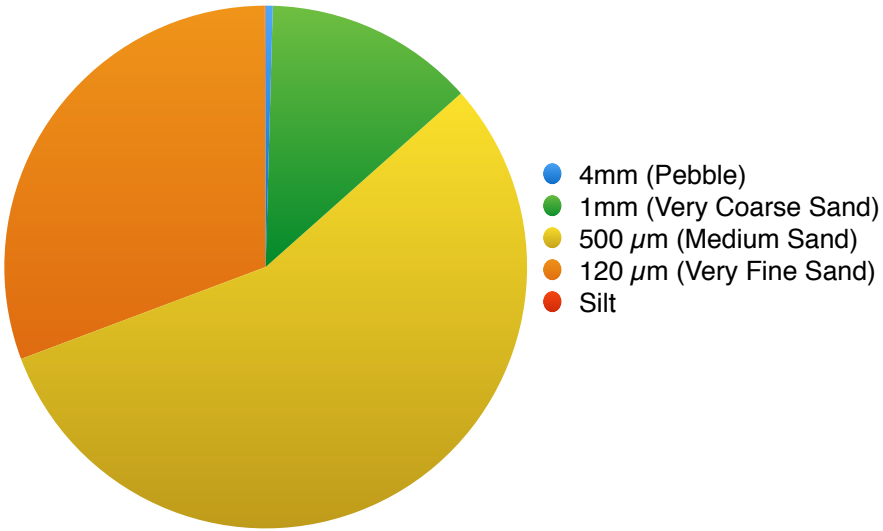
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
8	2-3	Bed	Very Low	6	Trace	Low
8	5-6	Bed	Low	6	Trace	Low
9	2-3	Bed	Very Low	6	Trace	Low
9	5-6	Bed	Very Low	6	Trace	Trace
10	2-3	Bed	Low	6	Trace	Trace
10	5-6	Bed	Low	6	Trace	Low

* Note: Recorded 0.0 amounts of silt were so negligible that they did not constitute 0.1 grams, although there were minute amounts present in all sediments collected.

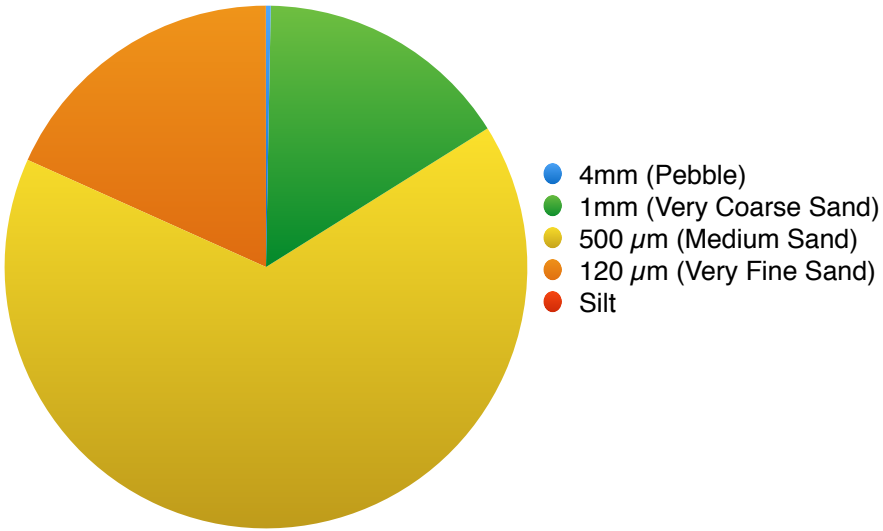
Transect 8

	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)	1.7	0.44	50.6	13.00	217.4	55.84	119.4	30.67	0.2	0.05	389.3
Transect 8 (5-6m)	3.2	0.29	174.3	15.81	723.3	65.62	201.4	18.27	0.0	0.0	1102.2

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



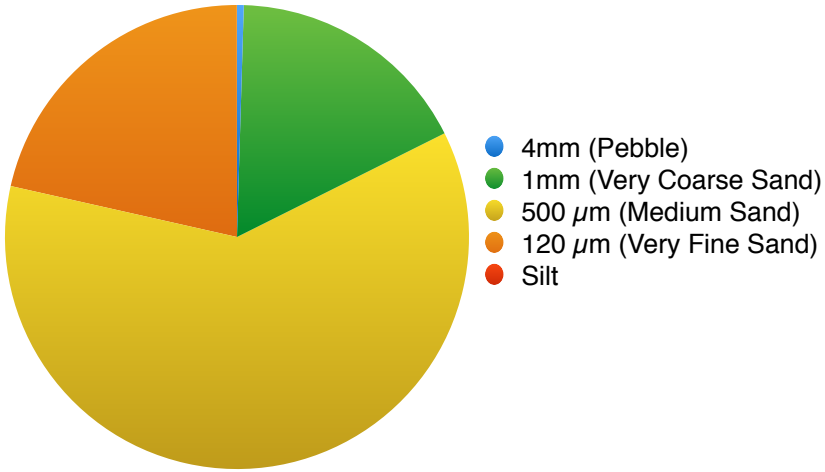
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
8	2-3	Bed	Very Low	6	Trace	Low
8	5-6	Bed	Low	6	Trace	Low

Analysis: The majority of the two sediment samples collected at Transect 8 fall within the 500-120 μm of size, with again relatively low levels of silt. Since the spring collection, there has been a significant drop in the potassium levels at the 2-3m mark to very low, though it is still considered healthy. However at the 5-6m mark potassium levels have stayed low and remain in the healthy zone. The pH levels at both distances, though slightly acidic, are fairly normal, but slightly unhealthy. Nitrogen levels are trace, outside of the healthy zone while the low phosphorous levels indicate a healthy creek.

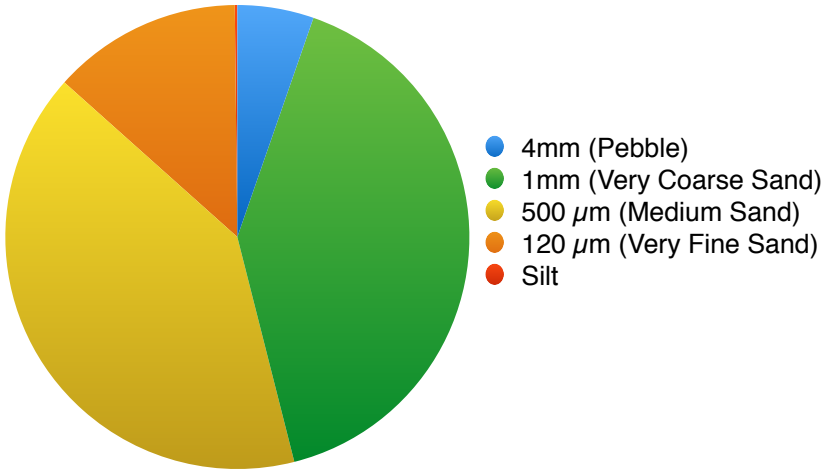
Transect 9

	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)	3.7	0.5	135.5	17.38	481.0	61.69	169.5	21.74	0.0	0.0	779.7
Transect 9 (5-6 m)	45.5	5.32	348.2	40.73	346.8	40.56	113.0	13.22	1.5	0.0	855.00

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



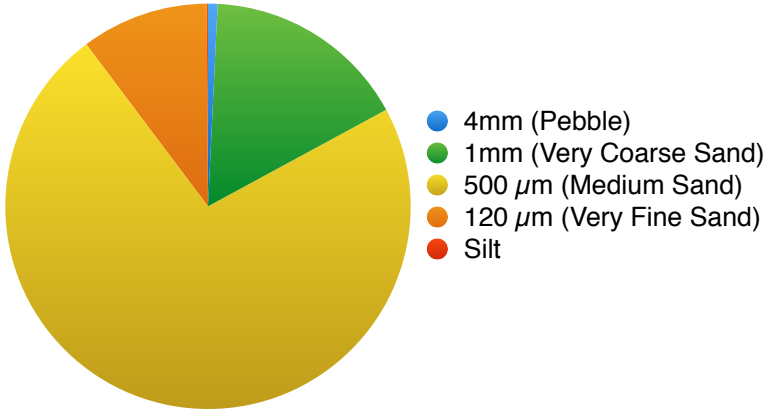
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
9	2-3	Bed	Very Low	6	Trace	Low
9	5-6	Bed	Very Low	6	Trace	Trace

Analysis: The sediments at transect 9 was primarily medium sand (500 micrometers), which made up 65.63% of sediment collected. The levels of silt were negligible, as there wasn't enough to even engage the balance. There was a very low amount of potassium both 2-3 and 5-6 meters from the bank, a significant drop from the value recorded in spring. The phosphorus, nitrogen, and pH remained approximately the same (Very low, trace, and 6 respectively).

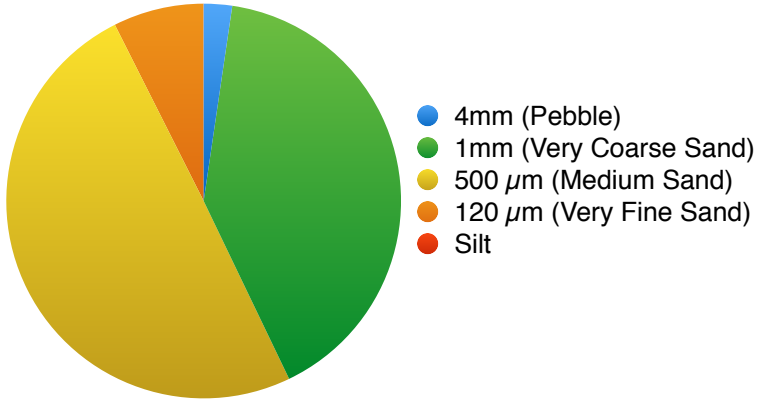
Transect 10

	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)	6.8	0.76	146.4	16.34	649.3	72.69	40.8	10.16	0.0	0.0	893.3
Transect 10 (5-6m)	25.2	2.32	440.1	40.55	539.4	49.70	80.4	7.41	0.2	0.02	1085.3

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

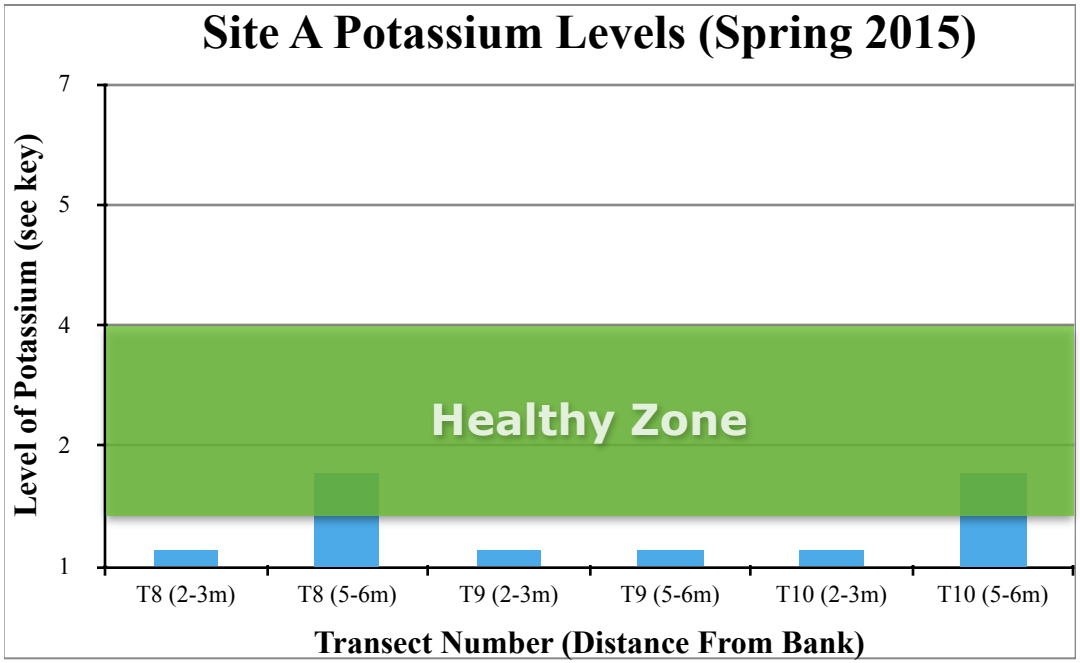


Composition of Sediments at Site A
Transect 10 (5-6 m) - Spring 2015



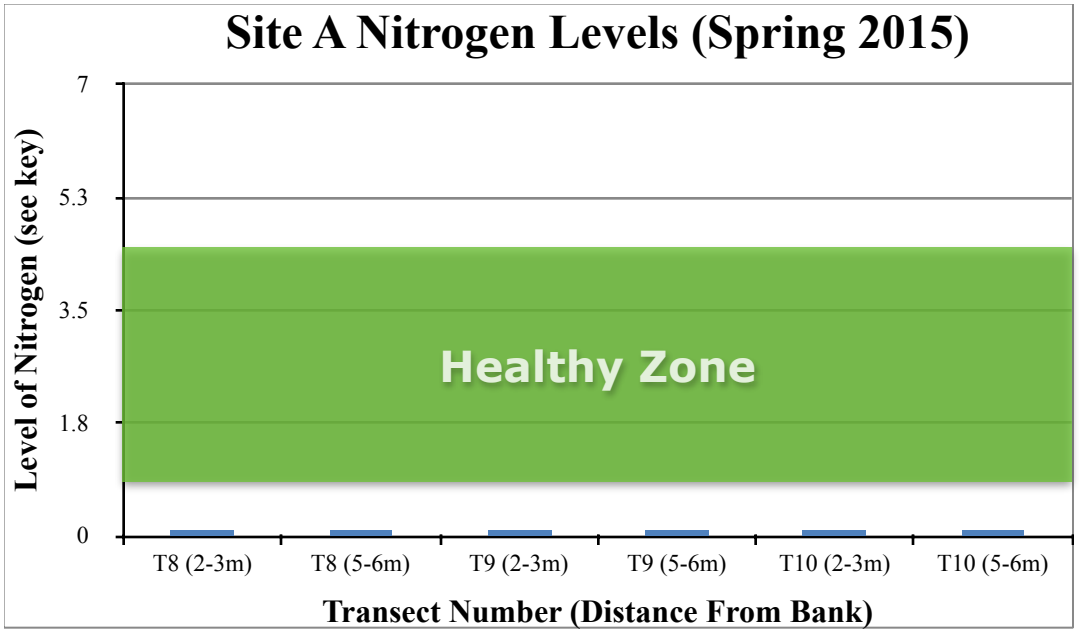
Transect	Distance from Bank (m)	Feature	Potassium	pH	Nitrogen	Phosphorus
10	2-3	Bed	Low	6	Trace	Trace
10	5-6	Bed	Low	6	Trace	Low

Analysis: The majority of Transect 10's sediments fell between the 1mm-500 µm (very coarse sand and medium sand), with no significant amount of silt present at both the 2-3m and 5-6m samples. There was a noticeable drop in the potassium levels from spring, with both the 2-3m and 5-6m samples dropping to the low category. Nitrogen levels remained in the trace category in both samples, while phosphorus levels in the 2-3m sample lowered to trace; the 5-6m sample stayed at low. The pH of the 2-3m and 5-6m remained unchanged at 6.0.



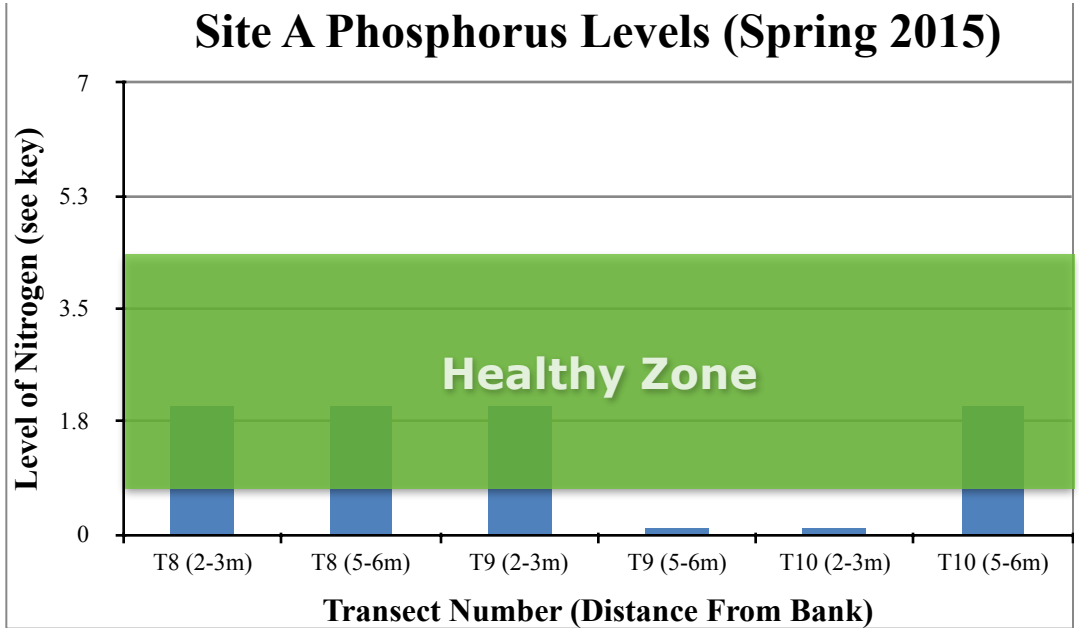
Potassium Level Key

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



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