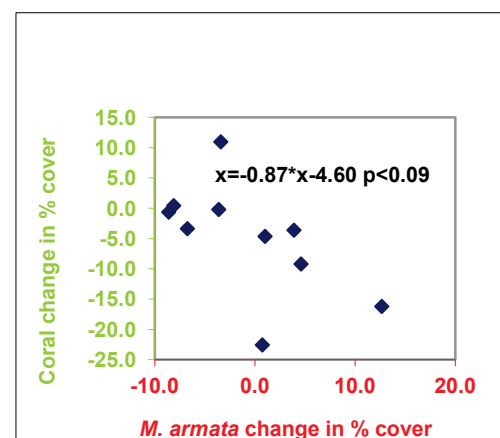
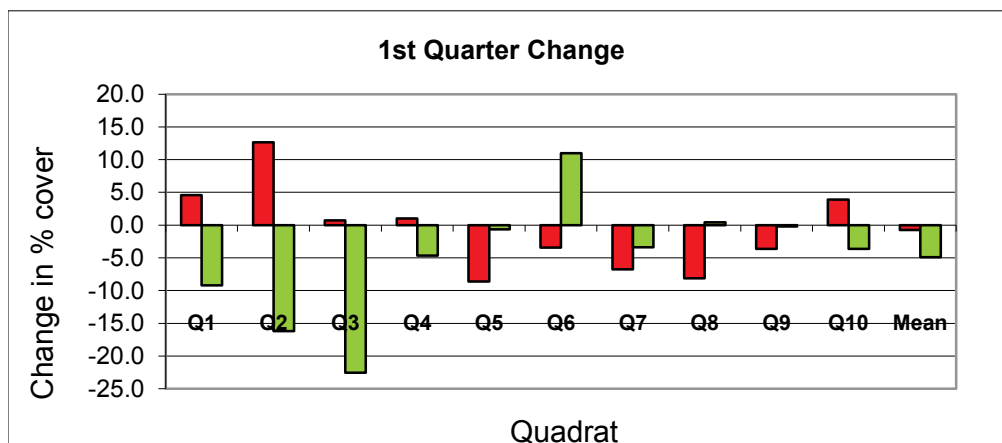


## Control Quadrats- 1st Quarter

TRANSECT NAME	Quad1Start	Quad1Quar1	Delt	Quad2Start	Quad2Quar1	Delt	Quad3Start	Quad3Quar1	Delt	Quad4Start
Number of frames	1	1		1	1		1	1		1
Total points	100	100		100	100		100	100		100
Total points (minus tape+wand+shadow)	87	87		92	89		85	91		89
<b>CATEGORY (% of transect)</b>										
MACROALGAE	0.00	0.00		0.00	0.00		0.00	0.00		0.00
CORALLINE ALGAE	0.00	0.00		0.00	0.00		0.00	0.00		0.00
<b>CORAL</b>	<b>74.71</b>	<b>65.52</b>	<b>-9.2</b>	<b>85.87</b>	<b>69.66</b>	<b>-16.2</b>	<b>58.82</b>	<b>36.26</b>	<b>-22.6</b>	<b>76.40</b>
<b>MYCALE ARMATA</b>	<b>21.84</b>	<b>27.59</b>	<b>5.7</b>	<b>8.70</b>	<b>21.35</b>	<b>12.7</b>	<b>27.06</b>	<b>39.56</b>	<b>12.5</b>	<b>20.22</b>
OTHER INVERTEBRATES	0.00	0.00		0.00	1.12		0.00	0.00		2.25
DEAD CORAL, RUBBLE	0.00	4.60		5.43	7.87		2.35	24.18		0.00
SUBSTRATUM	3.45	2.30		0.00	0.00		11.76	0.00		1.12
TAPE, WAND, SHADOW	13.00	13.00		8.00	11.00		15.00	9.00		11.00
Sum (excluding tape+shadow+wand)	100.00	100.00		100.00	100.00		100.00	100.00		100.00
<b>Silt</b>	<b>3.45</b>	<b>2.30</b>	<b>-1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.76</b>	<b>0.00</b>	<b>-11.8</b>	<b>1.1</b>
<b>MYCALE ARMATA+Silt</b>	<b>25.29</b>	<b>29.89</b>	<b>4.6</b>	<b>8.70</b>	<b>21.35</b>	<b>12.7</b>	<b>38.82</b>	<b>39.56</b>	<b>0.7</b>	<b>21.35</b>

1st Quarter Changes	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
Myscale armata+Silt	4.6	12.7	0.7	1.0	-8.6	-3.4	-6.7	-8.1	-3.6	3.9
Total Coral	-9.2	-16.2	-22.6	-4.6	-0.6	11.0	-3.4	0.4	-0.2	-3.6
Silt	-1.1	0	-11.8	-1.1	0	4.6	-4.5	-3.4	0	2.0





Quad4Quar1	Delt	Quad5Star	Quad5Quar1	Delt	Quad6Start	Quad6Quar1	Delt	Quad7Start	Quad7Quar1	Delt	Quad8Start	Quad8Quar1	Delt	Quad9Start
1		1	1		1	1		1	1		1	1		1
100		100	100.00		100	100		100	100		100	100		100
85		92	96.00		84	87		89	89		90	91		86

0.00		0.0	0.0		1.19	0.00		0.00	0.00		0.00	0.00		0.00
0.00		0.0	0.0		0.00	0.00		0.00	0.00		0.00	0.00		0.00
71.76	-4.6	65.2	64.6	-0.6	48.81	59.77	11.0	32.58	29.21	-3.4	61.11	61.54	0.4	69.77
22.35	2.1	31.5	22.9	-8.6	32.14	24.14	-8.0	56.18	53.93	-2.2	32.22	27.47	-4.7	22.09
4.71		0.0	4.2		7.14	1.15		0.00	1.12		1.11	1.10		3.49
1.18		0.0	8.3		10.71	10.34		1.12	8.99		0.00	7.69		4.65
0.00		3.3	0.0		0.00	4.60		10.11	6.74		5.56	2.20		0.00
15.00		8.0	4.0		16.00	13.00		11.00	11.00		10.00	9.00		14.00
100.00		100.0	100.0		100.00	100.00		100.00	100.00		100.00	100.00		100.00
0.0	-1.1	0.00	0.00	0.0	0.00	4.60	4.6	10.1	5.6	-4.5	5.56	2.20	-3.4	0.00
22.35	1.0	31.52	22.92	-8.6	32.14	28.74	-3.4	66.29	59.55	-6.7	37.78	29.67	-8.1	22.09

Myscale armat Total Coral

Mean  
-0.8  
-4.9  
-1.5

SD  
6.7  
9.3  
4.4

Q1  
Q2  
Q3  
Q4  
Q5  
Q6  
Q7  
Q8  
Q9  
Q10

4.6  
12.7  
0.7  
1.0  
-8.6  
-3.4  
-2.2  
-8.1  
-3.6  
1.9

-9.2  
-16.2  
-22.6  
-4.6  
-0.6  
11.0  
-3.4  
0.4  
-0.2  
3.9

SUMMARY OUTPUT

Regression Statistics

Multiple R 0.564354  
R Square 0.318495  
Adjusted R 0.233307  
Standard E 8.522148  
Observatio 10

## ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	272	271.5323	3.738724	0.089227
Residual	8	581	72.62701		
Total	9	853			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>
Intercept	-4.60213	2.7	-1.70139	0.127284	-10.8397	1.635432
X Variable	-0.87685	0.45	-1.93358	0.089227	-1.92258	0.16889

Quad9	Quar1	Delt	Quad10	Start	Quad10	Quar1	Delt
1			1		1		
100			100		100		
92			86		92		
0.00			0.00		0.00		
0.00			2.33		0.00		
69.57	-0.2		22.09		18.48	-3.6	
18.48	-3.6		54.65		56.52	1.9	
1.09			2.33		4.35		
10.87			16.28		16.30		
0.00			2.33		4.35		
8.00			14.00		8.00		
100.00			100.00		100.00		
0.00	0.0		2.3		4.3	2.0	
18.48	-3.6		56.98		60.87	3.9	

-8.6

-3.6

<u>Lower 95.0%</u> <u>er 95.0%</u>	
-10.8397	1.6
-1.92258	0.2