

Project:

Dataset name:

Location:

File/sheetname:

Analysis date:

Analysis by:

Lat:

Long:

C:\Files\Mycale Project\Transect Data\01-28-05 Reef 10 3m\Reef 10 Summary.xls:Data summary

TRANSECT NAME	Reef10Tr1	Reef10Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1182	1202			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	11.68	11.31	11.49	0.26	0.18
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	1.78	5.07	3.43	2.33	1.65
MYCALE ARMATA	0.17	0.17	0.17	0.00	0.00
OTHER INVERTEBRATES	0.17	0.25	0.21	0.06	0.04
DEAD CORAL, RUBBLE	43.91	49.33	46.62	3.84	2.71
SUBSTRATUM	42.30	33.86	38.08	5.97	4.22
TAPE, WAND, SHADOW	5.44	3.84	4.64	1.13	0.80
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	11.00	10.57	10.78	0.31	0.22
Gracilaria salicornia	0.00	0.00	0.00	0.00	0.00
Kappaphycus sp.	0.34	0.33	0.34	0.00	0.00
Other Macroalgae	0.34	0.42	0.38	0.05	0.04
Turf algae	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Coralline algae	0.00	0.00	0.00	0.00	0.00
CORAL					
Bleached Coral	0.00	0.00	0.00	0.00	0.00
Cyphastrea ocellina	0.00	0.00	0.00	0.00	0.00
Fungia scutaria	0.00	0.00	0.00	0.00	0.00
Leptastrea purpurea	0.00	0.00	0.00	0.00	0.00
Montipora capitata	1.52	4.33	2.92	1.98	1.40
Montipora flabellata	0.00	0.00	0.00	0.00	0.00
Montipora patula	0.00	0.00	0.00	0.00	0.00
Pavona varians	0.00	0.00	0.00	0.00	0.00
Pocillopora damicornis	0.00	0.25	0.12	0.18	0.12
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	0.25	0.50	0.38	0.17	0.12	
Porites lobata	0.00	0.00	0.00	0.00	0.00	
Unknown coral	0.00	0.00	0.00	0.00	0.00	
MYCALE ARMATA						
Myscale armata	0.17	0.17	0.17	0.00	0.00	
OTHER INVERTEBRATES						
Echinometra mathaei	0.00	0.00	0.00	0.00	0.00	
Echinothrix diadema	0.00	0.00	0.00	0.00	0.00	
Ophiodesoma	0.08	0.08	0.08	0.00	0.00	
Other Porifera	0.08	0.17	0.13	0.06	0.04	
Palythoa caesia	0.00	0.00	0.00	0.00	0.00	
Sabellastarte	0.00	0.00	0.00	0.00	0.00	
Sarcothelia edmondsoni	0.00	0.00	0.00	0.00	0.00	
Tunicates	0.00	0.00	0.00	0.00	0.00	
Zoanthus sp.	0.00	0.00	0.00	0.00	0.00	
DEAD CORAL, RUBBLE						
Coral Rubble	43.65	43.01	43.33	0.45	0.32	
Dead Coral	0.25	6.32	3.29	4.29	3.03	
SUBSTRATUM						
Limestone Pavement	0.00	0.00	0.00	0.00	0.00	
Sand	0.08	0.00	0.04	0.06	0.04	
Silt	42.22	33.86	38.04	5.91	4.18	
TAPE, WAND, SHADOW						
Frame	4.82	3.08	3.95	1.23	0.87	
Unidentifiable	0.93	0.92	0.92	0.01	0.01	
NOTES (% of transect)			MEAN	STD. DEV.	STD. ERROR	
Coral Growth Anomaly	0.00	0.00	0.00	0.00	0.00	
NOTES (% of coral)						
Coral Growth Anomaly	0.00	0.00	0.00	0.00	0.00	
MAJOR CATEGORY (occurring in transect)		SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE	138	136	274	137.00	1.41	0.28
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00
CORAL	21	61	82	41.00	28.28	0.50
MYCALE ARMATA	2	2	4	2.00	0.00	0.00
OTHER INVERTEBRATES	2	3	5	2.50	0.71	0.67
DEAD CORAL, RUBBLE	519	593	1112	556.00	52.33	0.26
SUBSTRATUM	500	407	907	453.50	65.76	0.01
TAPE, WAND, SHADOW	68	48	116	58.00	14.14	0.49

<b>TOTAL TRANSECT POINTS</b>	<b>1250</b>	<b>1250</b>	<b>2500</b>				
<b>SUBCATEGORIES (occurring in transect)</b>			<b>SUMS</b>	<b>MEAN</b>	<b>STD. DEV.</b>	<b>STD. ERROR</b>	<b>SW INDEX</b>
<b>MACROALGAE</b>							0.28
Dictyospheria, cavernosa	130	127	257	128.50	2.12	1.50	0.06
Gracilaria salicornia	0	0	0	0.00	0.00	0.00	0.00
Kappaphycus sp.	4	4	8	4.00	0.00	0.00	0.10
Other Macroalgae	4	5	9	4.50	0.71	0.50	0.11
Turf algae	0	0	0	0.00	0.00	0.00	0.00
<b>CORALLINE ALGAE</b>							0.00
Coralline algae	0	0	0	0.00	0.00	0.00	0.00
<b>CORAL</b>							0.50
Bleached Coral	0	0	0	0.00	0.00	0.00	0.00
Cyphastrea ocellina	0	0	0	0.00	0.00	0.00	0.00
Fungia scutaria	0	0	0	0.00	0.00	0.00	0.00
Leptastrea purpurea	0	0	0	0.00	0.00	0.00	0.00
Montipora capitata	18	52	70	35.00	24.04	17.00	0.14
Montipora flabellata	0	0	0	0.00	0.00	0.00	0.00
Montipora patula	0	0	0	0.00	0.00	0.00	0.00
Pavona varians	0	0	0	0.00	0.00	0.00	0.00
Pocillopora damicornis	0	3	3	1.50	2.12	1.50	0.12
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	3	6	9	4.50	2.12	1.50	0.24
Porites lobata	0	0	0	0.00	0.00	0.00	0.00
Unknown coral	0	0	0	0.00	0.00	0.00	0.00
<b>MYCALE ARMATA</b>							0.00
Mycale armata	2	2	4	2.00	0.00	0.00	0.00
<b>OTHER INVERTEBRATES</b>							0.67
Echinometra mathaei	0	0	0	0.00	0.00	0.00	0.00
Echinothrix diadema	0	0	0	0.00	0.00	0.00	0.00
Ophiodesoma	1	1	2	1.00	0.00	0.00	0.37
Other Porifera	1	2	3	1.50	0.71	0.50	0.31
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	0	0	0	0.00	0.00	0.00	0.00
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	0	0	0	0.00	0.00	0.00	0.00
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
<b>DEAD CORAL, RUBBLE</b>							0.26
Coral Rubble	516	517	1033	516.50	0.71	0.50	0.07
Dead Coral	3	76	79	39.50	51.62	36.50	0.19

SUBSTRATUM							0.01
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	1	0	1	0.50	0.71	0.50	0.01
Silt	499	407	906	453.00	65.05	46.00	0.00
TAPE, WAND, SHADOW							0.49
Frame	57	37	94	47.00	14.14	10.00	0.17
Unidentifiable	11	11	22	11.00	0.00	0.00	0.32
NOTES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	
Coral Growth Anomaly	0	0	0	0.00	0.00	0.00	
NOTES (occurring in coral)							
Coral Growth Anomaly	0	0	0	0.00	0.00	0.00	
Shannon-Weaver Index	1.07	1.14					
MACROALGAE	0.25	0.25					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.07	0.15					
MYCALE ARMATA	0.01	0.01					
OTHER INVERTEBRATES	0.01	0.01					
DEAD CORAL, RUBBLE	0.36	0.35					
SUBSTRATUM	0.36	0.37					
TAPE, WAND, SHADOW							