

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

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C:\Files\Mycale Project\Transect Data\01-14-05 Reef 7-1.8 m\Reef 7 Summary.xls:Data summary

TRANSECT NAME	Reef7Tr1	Reef7Tr2			
Number of frames	25	26			
Total points	1250	1300			
Total points (minus tape+wand+shadow)	1155	1182			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	17.92	22.00	19.96	2.88	2.04
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	6.23	10.83	8.53	3.25	2.30
MYCALE ARMATA	1.99	1.02	1.50	0.69	0.49
OTHER INVERTEBRATES	0.78	1.44	1.11	0.47	0.33
DEAD CORAL, RUBBLE	30.39	28.00	29.20	1.69	1.19
SUBSTRATUM	42.68	36.72	39.70	4.22	2.98
TAPE, WAND, SHADOW	7.60	9.08	8.34	1.04	0.74
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyosphaeria, cavernosa	17.75	21.24	19.49	2.47	1.74
Gracilaria salicornia	0.00	0.00	0.00	0.00	0.00
Kappaphycus sp.	0.00	0.00	0.00	0.00	0.00
Other Macroalgae	0.17	0.76	0.47	0.42	0.29
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	4.68	9.05	6.86	3.10	2.19
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	0.17	0.08	0.12	0.08
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	1.56	1.61	1.58	0.03	0.02		
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							
Mycale armata	1.99	1.02	1.50	0.69	0.49		
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	0.00	0.00	0.00	0.00	0.00		
Other Porifera	0.17	0.85	0.51	0.48	0.34		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.61	0.51	0.56	0.07	0.05		
Sarcothelia edmondsoni	0.00	0.00	0.00	0.00	0.00		
Tunicates	0.00	0.08	0.04	0.06	0.04		
Zoanthus sp.	0.00	0.00	0.00	0.00	0.00		
DEAD CORAL, RUBBLE							
Coral Rubble	18.53	14.38	16.46	2.93	2.07		
Dead Coral	11.86	13.62	12.74	1.24	0.88		
SUBSTRATUM							
Limestone Pavement	0.00	0.00	0.00	0.00	0.00		
Sand	0.09	0.08	0.09	0.00	0.00		
Silt	42.60	36.63	39.62	4.22	2.98		
TAPE, WAND, SHADOW							
Frame	4.07	5.25	4.66	0.83	0.59		
Unidentifiable	4.16	4.74	4.45	0.41	0.29		
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	207	260	467	233.50	37.48	26.50	0.11
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	72	128	200	100.00	39.60	28.00	0.53
MYCALE ARMATA	23	12	35	17.50	7.78	5.50	0.00
OTHER INVERTEBRATES	9	17	26	13.00	5.66	4.00	0.83
DEAD CORAL, RUBBLE	351	331	682	341.00	14.14	10.00	0.69
SUBSTRATUM	493	434	927	463.50	41.72	29.50	0.02
TAPE, WAND, SHADOW	95	118	213	106.50	16.26	11.50	0.69

TOTAL TRANSECT POINTS	1250	1300	2550				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
<b>MACROALGAE</b>							0.11
Dictyospheria, cavernosa	205	251	456	228.00	32.53	23.00	0.02
Gracilaria salicornia	0	0	0	0.00	0.00	0.00	0.00
Kappaphycus sp.	0	0	0	0.00	0.00	0.00	0.00
Other Macroalgae	2	9	11	5.50	4.95	3.50	0.09
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>							0.53
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	54	107	161	80.50	37.48	26.50	0.17
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	2	2	1.00	1.41	1.00	0.05
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	18	19	37	18.50	0.71	0.50	0.31
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	23	12	35	17.50	7.78	5.50	0.00
<b>OTHER INVERTEBRATES</b>							0.83
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	0	0	0	0.00	0.00	0.00	0.00
Other Porifera	2	10	12	6.00	5.66	4.00	0.36
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	7	6	13	6.50	0.71	0.50	0.35
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	0	1	1	0.50	0.71	0.50	0.13
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
<b>DEAD CORAL, RUBBLE</b>							0.69
Coral Rubble	214	170	384	192.00	31.11	22.00	0.32
Dead Coral	137	161	298	149.00	16.97	12.00	0.36

SUBSTRATUM							0.02
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	1	1	2	1.00	0.00	0.00	0.01
Silt	492	433	925	462.50	41.72	29.50	0.00
TAPE, WAND, SHADOW							0.69
Frame	47	62	109	54.50	10.61	7.50	0.34
Unidentifiable	48	56	104	52.00	5.66	4.00	0.35
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	1.32	1.41					
MACROALGAE	0.31	0.33					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.17	0.24					
MYCALE ARMATA	0.08	0.05					
OTHER INVERTEBRATES	0.04	0.06					
DEAD CORAL, RUBBLE	0.36	0.36					
SUBSTRATUM	0.36	0.37					
TAPE, WAND, SHADOW							