

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

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C:\Files\Mycale Project\Transect Data\09-29-04 Reef A Transects\Transect 1\Transects Summary.xls:Data summary

TRANSECT NAME	ReefATr1	ReefATr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1165	1147			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	9.44	2.53	5.99	4.89	3.46
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	55.02	78.47	66.74	16.58	11.72
MYCALE ARMATA	1.03	0.70	0.86	0.24	0.17
OTHER INVERTEBRATES	1.97	2.70	2.34	0.52	0.36
DEAD CORAL, RUBBLE	15.19	8.63	11.91	4.64	3.28
SUBSTRATUM	17.34	6.97	12.16	7.33	5.18
TAPE, WAND, SHADOW	6.80	8.24	7.52	1.02	0.72
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
<b>MACROALGAE</b>					
Dictyospheria, cavernosa	9.44	2.53	5.99	4.89	3.46
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	0.00	0.00	0.00	0.00	0.00
Turf algae	0.00	0.00	0.00	0.00	0.00
<b>CORALLINE ALGAE</b>					
Coralline algae	0.00	0.00	0.00	0.00	0.00
<b>CORAL</b>					
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	47.21	64.17	55.69	11.99	8.48
Montipora flabellata	0.17	0.00	0.09	0.12	0.09
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	0.00	0.00	0.00	0.00
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	7.64	14.30	10.97	4.71	3.33		
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	1.03	0.70	0.86	0.24	0.17		
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	0.09	0.00	0.04	0.06	0.04		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	1.80	2.70	2.25	0.64	0.45		
Sarcothelia edmondsoni	0.00	0.00	0.00	0.00	0.00		
Tunicates	0.09	0.00	0.04	0.06	0.04		
Zoanthus sp.	0.00	0.00	0.00	0.00	0.00		
DEAD CORAL, RUBBLE							
Coral Rubble	6.18	1.22	3.70	3.51	2.48		
Dead Coral	9.01	7.41	8.21	1.13	0.80		
SUBSTRATUM							
Limestone Pavement	0.00	0.00	0.00	0.00	0.00		
Sand	0.00	0.00	0.00	0.00	0.00		
Silt	17.34	6.97	12.16	7.33	5.18		
TAPE, WAND, SHADOW							
Frame	1.37	2.18	1.78	0.57	0.40		
Unidentifiable	5.92	6.80	6.36	0.62	0.44		
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	110	29	139	69.50	57.28	40.50	0.00
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	641	900	1541	770.50	183.14	129.50	0.46
MYCALE ARMATA	12	8	20	10.00	2.83	2.00	0.00
OTHER INVERTEBRATES	23	31	54	27.00	5.66	4.00	0.18
DEAD CORAL, RUBBLE	177	99	276	138.00	55.15	39.00	0.62
SUBSTRATUM	202	80	282	141.00	86.27	61.00	0.00
TAPE, WAND, SHADOW	85	103	188	94.00	12.73	9.00	0.52

<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>							0.00
Dictyosphaeria, cavernosa	110	29	139	69.50	57.28	40.50	0.00
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	0	0	0	0.00	0.00	0.00	0.00
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>							0.46
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	550	736	1286	643.00	131.52	93.00	0.15
Montipora flabellata	2	0	2	1.00	1.41	1.00	0.01
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	0	0	0.00	0.00	0.00	0.00
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	89	164	253	126.50	53.03	37.50	0.30
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	12	8	20	10.00	2.83	2.00	0.00
<b>OTHER INVERTEBRATES</b>							0.18
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	1	0	1	0.50	0.71	0.50	0.07
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	21	31	52	26.00	7.07	5.00	0.04
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	1	0	1	0.50	0.71	0.50	0.07
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
<b>DEAD CORAL, RUBBLE</b>							0.62
Coral Rubble	72	14	86	43.00	41.01	29.00	0.36
Dead Coral	105	85	190	95.00	14.14	10.00	0.26

SUBSTRATUM							0.00
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	0	0	0	0.00	0.00	0.00	0.00
Silt	202	80	282	141.00	86.27	61.00	0.00
TAPE, WAND, SHADOW							0.52
Frame	16	25	41	20.50	6.36	4.50	0.33
Unidentifiable	69	78	147	73.50	6.36	4.50	0.19
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	1.27	0.81					
MACROALGAE	0.22	0.09					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.33	0.19					
MYCALE ARMATA	0.05	0.03					
OTHER INVERTEBRATES	0.08	0.10					
DEAD CORAL, RUBBLE	0.29	0.21					
SUBSTRATUM	0.30	0.19					
TAPE, WAND, SHADOW							