

Project: Analysis date:  
 Dataset name: Analysis by:  
 Location: Lat: Long:  
 File/sheetname: C:\Files\Mycale Project\Transect Data\01-14-05 Reef 1-2 m\Reef1 Summary.xls:Data summary

TRANSECT NAME	Reef1Tr1	Reef1Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	979	1172			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE	0.61	0.51	0.56	0.07	0.05
CORAL	54.55	33.70	44.12	14.74	10.42
MYCALE ARMATA	0.20	0.00	0.10	0.14	0.10
OTHER INVERTEBRATES	8.99	2.30	5.65	4.73	3.34
DEAD CORAL, RUBBLE	19.82	31.74	25.78	8.43	5.96
SUBSTRATUM	15.83	31.74	23.79	11.25	7.95
TAPE, WAND, SHADOW	21.68	6.24	13.96	10.92	7.72
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
<b>MACROALGAE</b>					
Dictyospheria, cavernosa	0.00	0.00	0.00	0.00	0.00
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	0.61	0.51	0.56	0.07	0.05
<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	36.98	21.16	29.07	11.18	7.91
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	0.00	0.00	0.00	0.00
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	17.57	12.54	15.06	3.55	2.51		
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	0.20	0.00	0.10	0.14	0.10		
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	0.00	0.00	0.00	0.00	0.00		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	8.99	2.22	5.60	4.79	3.39		
Sarcothelia edmondsoni	0.00	0.00	0.00	0.00	0.00		
Tunicates	0.00	0.09	0.04	0.06	0.04		
Zoanthus sp.	0.00	0.00	0.00	0.00	0.00		
DEAD CORAL, RUBBLE							
Coral Rubble	0.82	11.26	6.04	7.39	5.22		
Dead Coral	19.00	20.48	19.74	1.05	0.74		
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	15.83	31.74	23.79	11.25	7.95		
TAPE, WAND, SHADOW							
Frame	1.74	2.13	1.93	0.28	0.20		
Unidentifiable	25.94	4.52	15.23	15.15	10.71		
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	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE	6	6	12	6.00	0.00	0.00	0.00
CORAL	534	395	929	464.50	98.29	69.50	0.64
MYCALE ARMATA	2	0	2	1.00	1.41	1.00	0.00
OTHER INVERTEBRATES	88	27	115	57.50	43.13	30.50	0.05
DEAD CORAL, RUBBLE	194	372	566	283.00	125.87	89.00	0.56
SUBSTRATUM	155	372	527	263.50	153.44	108.50	0.00
TAPE, WAND, SHADOW	271	78	349	174.50	136.47	96.50	0.37

<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
Dictyospheria, cavernosa	0	0	0	0.00	0.00	0.00	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	6	6	12	6.00	0.00	0.00	0.00
<b>CORAL</b>							0.64
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	362	248	610	305.00	80.61	57.00	0.28
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	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	172	147	319	159.50	17.68	12.50	0.37
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	0	2	1.00	1.41	1.00	0.00
<b>OTHER INVERTEBRATES</b>							0.05
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	0	0	0	0.00	0.00	0.00	0.00
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	88	26	114	57.00	43.84	31.00	0.01
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	0	1	1	0.50	0.71	0.50	0.04
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
<b>DEAD CORAL, RUBBLE</b>							0.56
Coral Rubble	8	132	140	70.00	87.68	62.00	0.35
Dead Coral	186	240	426	213.00	38.18	27.00	0.21

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	155	372	527	263.50	153.44	108.50	0.00
TAPE, WAND, SHADOW							0.37
Frame	17	25	42	21.00	5.66	4.00	0.25
Unidentifiable	254	53	307	153.50	142.13	100.50	0.11
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	1.20	1.21					
MACROALGAE	0.00	0.00					
CORALLINE ALGAE	0.03	0.03					
CORAL	0.33	0.37					
MYCALE ARMATA	0.01	0.00					
OTHER INVERTEBRATES	0.22	0.09					
DEAD CORAL, RUBBLE	0.32	0.36					
SUBSTRATUM	0.29	0.36					
TAPE, WAND, SHADOW							