

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

Long:

File/sheetname:

C:\Files\Mycale Project\Transect Data\01-21-05 Reef 0 MCBH 3 m\Reef 0 Summary.xls:Data summary

TRANSECT NAME	Reef0Tr1	Reef0Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1141	1149			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	0.79	0.26	0.52	0.37	0.26
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	29.10	37.86	33.48	6.20	4.38
MYCALE ARMATA	2.45	2.18	2.31	0.20	0.14
OTHER INVERTEBRATES	2.54	0.44	1.49	1.49	1.05
DEAD CORAL, RUBBLE	35.67	38.73	37.20	2.16	1.53
SUBSTRATUM	29.45	20.54	24.99	6.30	4.45
TAPE, WAND, SHADOW	8.72	8.08	8.40	0.45	0.32
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyosphaeria, cavernosa	0.79	0.26	0.52	0.37	0.26
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
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	25.77	34.81	30.29	6.40	4.52
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	0.79	0.44	0.61	0.25	0.18
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	2.45	2.61	2.53	0.11	0.08		
Porites lobata	0.00	0.00	0.00	0.00	0.00		
Unknown coral	0.09	0.00	0.04	0.06	0.04		
MYCALE ARMATA							
Mycale armata	2.45	2.18	2.31	0.20	0.14		
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	1.05	0.35	0.70	0.50	0.35		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	1.40	0.09	0.74	0.93	0.66		
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	9.29	7.48	8.39	1.28	0.90		
Dead Coral	26.38	31.24	28.81	3.44	2.43		
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	29.45	20.54	24.99	6.30	4.45		
TAPE, WAND, SHADOW							
Frame	5.87	4.18	5.02	1.20	0.85		
Unidentifiable	3.68	4.61	4.15	0.66	0.47		
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	9	3	12	6.00	4.24	3.00	0.00
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	332	435	767	383.50	72.83	51.50	0.37
MYCALE ARMATA	28	25	53	26.50	2.12	1.50	0.00
OTHER INVERTEBRATES	29	5	34	17.00	16.97	12.00	0.81
DEAD CORAL, RUBBLE	407	445	852	426.00	26.87	19.00	0.53
SUBSTRATUM	336	236	572	286.00	70.71	50.00	0.00
TAPE, WAND, SHADOW	109	101	210	105.00	5.66	4.00	0.69

TOTAL TRANSECT POINTS	1250	1250	2500				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.00
Dictyospheria, cavernosa	9	3	12	6.00	4.24	3.00	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
CORALLINE ALGAE							0.00
Coralline algae	0	0	0	0.00	0.00	0.00	0.00
CORAL							0.37
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	294	400	694	347.00	74.95	53.00	0.09
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	9	5	14	7.00	2.83	2.00	0.07
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	28	30	58	29.00	1.41	1.00	0.20
Porites lobata	0	0	0	0.00	0.00	0.00	0.00
Unknown coral	1	0	1	0.50	0.71	0.50	0.01
MYCALE ARMATA							0.00
Mycale armata	28	25	53	26.50	2.12	1.50	0.00
OTHER INVERTEBRATES							0.81
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	12	4	16	8.00	5.66	4.00	0.35
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	16	1	17	8.50	10.61	7.50	0.35
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	1	0	1	0.50	0.71	0.50	0.10
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL, RUBBLE							0.53
Coral Rubble	106	86	192	96.00	14.14	10.00	0.34
Dead Coral	301	359	660	330.00	41.01	29.00	0.20

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	336	236	572	286.00	70.71	50.00	0.00
TAPE, WAND, SHADOW							0.69
Frame	67	48	115	57.50	13.44	9.50	0.33
Unidentifiable	42	53	95	47.50	7.78	5.50	0.36
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	1.31	1.18					
MACROALGAE	0.04	0.02					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.36	0.37					
MYCALE ARMATA	0.09	0.08					
OTHER INVERTEBRATES	0.09	0.02					
DEAD CORAL, RUBBLE	0.37	0.37					
SUBSTRATUM	0.36	0.33					
TAPE, WAND, SHADOW							