

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

Long:

File/sheetname:

C:\Files\Mycale Project\Transect Data\01-14-05 Reef 5-2.5 m\Reef5 Summary.xls:Data summary

TRANSECT NAME	Reef5Tr1	Reef5Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1104	1077			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	0.54	3.06	1.80	1.78	1.26
CORALLINE ALGAE	0.00	0.09	0.05	0.07	0.05
CORAL	49.00	47.82	48.41	0.84	0.59
MYCALE ARMATA	3.80	4.27	4.04	0.33	0.23
OTHER INVERTEBRATES	0.27	0.93	0.60	0.46	0.33
DEAD CORAL, RUBBLE	29.35	26.37	27.86	2.11	1.49
SUBSTRATUM	17.03	17.46	17.24	0.30	0.21
TAPE, WAND, SHADOW	11.68	13.84	12.76	1.53	1.08
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	0.54	3.06	1.80	1.78	1.26
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	0.09	0.05	0.07	0.05
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	29.26	28.23	28.74	0.73	0.52
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	0.18	0.09	0.14	0.06	0.04
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	19.57	19.50	19.53	0.05	0.03		
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	3.80	4.27	4.04	0.33	0.23		
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	0.09	0.05	0.07	0.05		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.27	0.84	0.55	0.40	0.28		
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	4.98	2.79	3.88	1.55	1.10		
Dead Coral	24.37	23.58	23.97	0.55	0.39		
SUBSTRATUM							
Limestone Pavement	0.00	0.00	0.00	0.00	0.00		
Sand	0.09	0.00	0.05	0.06	0.05		
Silt	16.94	17.46	17.20	0.37	0.26		
TAPE, WAND, SHADOW							
Frame	4.44	4.46	4.45	0.01	0.01		
Unidentifiable	8.79	11.61	10.20	1.99	1.41		
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	6	33	39	19.50	19.09	13.50	0.00
CORALLINE ALGAE	0	1	1	0.50	0.71	0.50	0.00
CORAL	541	515	1056	528.00	18.38	13.00	0.69
MYCALE ARMATA	42	46	88	44.00	2.83	2.00	0.00
OTHER INVERTEBRATES	3	10	13	6.50	4.95	3.50	0.27
DEAD CORAL, RUBBLE	324	284	608	304.00	28.28	20.00	0.40
SUBSTRATUM	188	188	376	188.00	0.00	0.00	0.02
TAPE, WAND, SHADOW	146	173	319	159.50	19.09	13.50	0.61

TOTAL TRANSECT POINTS	1250	1250	2500				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.00
Dictyospheria, cavernosa	6	33	39	19.50	19.09	13.50	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
CORALLINE ALGAE							0.00
Coralline algae	0	1	1	0.50	0.71	0.50	0.00
CORAL							0.69
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	323	304	627	313.50	13.44	9.50	0.31
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	2	1	3	1.50	0.71	0.50	0.02
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	216	210	426	213.00	4.24	3.00	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
MYCALE ARMATA							0.00
Mycale armata	42	46	88	44.00	2.83	2.00	0.00
OTHER INVERTEBRATES							0.27
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	1	1	0.50	0.71	0.50	0.20
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	3	9	12	6.00	4.24	3.00	0.07
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
DEAD CORAL, RUBBLE							0.40
Coral Rubble	55	30	85	42.50	17.68	12.50	0.28
Dead Coral	269	254	523	261.50	10.61	7.50	0.13

SUBSTRATUM							0.02
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	1	0	1	0.50	0.71	0.50	0.02
Silt	187	188	375	187.50	0.71	0.50	0.00
TAPE, WAND, SHADOW							0.61
Frame	49	48	97	48.50	0.71	0.50	0.36
Unidentifiable	97	125	222	111.00	19.80	14.00	0.25
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							
	1.18	1.30					
MACROALGAE	0.03	0.11					
CORALLINE ALGAE	0.00	0.01					
CORAL	0.35	0.35					
MYCALE ARMATA	0.12	0.13					
OTHER INVERTEBRATES	0.02	0.04					
DEAD CORAL, RUBBLE	0.36	0.35					
SUBSTRATUM	0.30	0.30					
TAPE, WAND, SHADOW							