

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

Long:

File/sheetname:

C:\Files\Mycale Project\Transect Data\01-07-05 Reef 4-1.8 m\Transect 1\Reef 4 Summary.xls:Data summary

TRANSECT NAME	Reef4Tr1	Reef4Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1120	1117			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	2.41	9.94	6.17	5.32	3.76
CORALLINE ALGAE	0.09	0.09	0.09	0.00	0.00
CORAL	49.29	51.48	50.38	1.55	1.10
MYCALE ARMATA	9.20	3.76	6.48	3.84	2.72
OTHER INVERTEBRATES	4.20	1.25	2.72	2.08	1.47
DEAD CORAL, RUBBLE	26.70	27.04	26.87	0.24	0.17
SUBSTRATUM	8.13	6.45	7.29	1.19	0.84
TAPE, WAND, SHADOW	10.40	10.64	10.52	0.17	0.12
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
<b>MACROALGAE</b>					
Dictyospheria, cavernosa	2.23	9.94	6.08	5.45	3.85
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	0.18	0.00	0.09	0.13	0.09
Turf algae	0.00	0.00	0.00	0.00	0.00
<b>CORALLINE ALGAE</b>					
Coralline algae	0.09	0.09	0.09	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	32.68	33.75	33.21	0.76	0.54
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	16.61	17.73	17.17	0.79	0.56		
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	9.20	3.76	6.48	3.84	2.72		
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	0.45	0.09	0.27	0.25	0.18		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	3.75	1.16	2.46	1.83	1.29		
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	6.88	5.28	6.08	1.13	0.80		
Dead Coral	19.82	21.75	20.79	1.37	0.97		
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	8.13	6.45	7.29	1.19	0.84		
TAPE, WAND, SHADOW							
Frame	3.84	3.67	3.75	0.12	0.08		
Unidentifiable	7.77	8.24	8.00	0.33	0.23		
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	27	111	138	69.00	59.40	42.00	0.08
CORALLINE ALGAE	1	1	2	1.00	0.00	0.00	0.00
CORAL	552	575	1127	563.50	16.26	11.50	0.64
MYCALE ARMATA	103	42	145	72.50	43.13	30.50	0.00
OTHER INVERTEBRATES	47	14	61	30.50	23.33	16.50	0.32
DEAD CORAL, RUBBLE	299	302	601	300.50	2.12	1.50	0.53
SUBSTRATUM	91	72	163	81.50	13.44	9.50	0.00
TAPE, WAND, SHADOW	130	133	263	131.50	2.12	1.50	0.63

<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>							0.08
Dictyospheria, cavernosa	25	111	136	68.00	60.81	43.00	0.01
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	0	2	1.00	1.41	1.00	0.06
Turf algae	0	0	0	0.00	0.00	0.00	0.00
<b>CORALLINE ALGAE</b>							0.00
Coralline algae	1	1	2	1.00	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	366	377	743	371.50	7.78	5.50	0.27
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	186	198	384	192.00	8.49	6.00	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
<b>MYCALE ARMATA</b>							0.00
Mycale armata	103	42	145	72.50	43.13	30.50	0.00
<b>OTHER INVERTEBRATES</b>							0.32
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	5	1	6	3.00	2.83	2.00	0.23
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	42	13	55	27.50	20.51	14.50	0.09
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
<b>DEAD CORAL, RUBBLE</b>							0.53
Coral Rubble	77	59	136	68.00	12.73	9.00	0.34
Dead Coral	222	243	465	232.50	14.85	10.50	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	91	72	163	81.50	13.44	9.50	0.00
TAPE, WAND, SHADOW							0.63
Frame	43	41	84	42.00	1.41	1.00	0.36
Unidentifiable	87	92	179	89.50	3.54	2.50	0.26
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	1.35	1.29					
MACROALGAE	0.09	0.23					
CORALLINE ALGAE	0.01	0.01					
CORAL	0.35	0.34					
MYCALE ARMATA	0.22	0.12					
OTHER INVERTEBRATES	0.13	0.05					
DEAD CORAL, RUBBLE	0.35	0.35					
SUBSTRATUM	0.20	0.18					
TAPE, WAND, SHADOW							