

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

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File/sheetname:

C:\Files\Mycale Project\Transect Data\05-10-04 3 Poles Reef 24\3 Poles Summay.xls:Data summary

TRANSECT NAME	3PolesTr1	3PolesTr2			
Number of frames	24	25			
Total points	1200	1250			
Total points (minus tape+wand+shadow)	1091	1173			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	18.79	30.09	24.44	7.99	5.65
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	3.21	1.79	2.50	1.00	0.71
MYCALE ARMATA	0.00	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	0.27	1.02	0.65	0.53	0.37
DEAD CORAL, RUBBLE	37.86	29.67	33.76	5.79	4.09
SUBSTRATUM	39.87	37.43	38.65	1.73	1.22
TAPE, WAND, SHADOW	9.08	6.16	7.62	2.07	1.46
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	18.52	29.75	24.13	7.95	5.62
Gracilaria salicornia	0.00	0.09	0.04	0.06	0.04
Kappaphycus sp.	0.00	0.00	0.00	0.00	0.00
Other Macroalgae	0.27	0.26	0.27	0.01	0.01
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	0.09	0.04	0.06	0.04
Leptastrea purpurea	0.00	0.00	0.00	0.00	0.00
Montipora capitata	2.47	1.11	1.79	0.97	0.68
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	0.27	0.09	0.18	0.13	0.09
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	0.46	0.51	0.48	0.04	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	0.00	0.00	0.00	0.00	0.00		
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	0.27	0.00	0.14	0.19	0.14		
Other Porifera	0.00	0.68	0.34	0.48	0.34		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.00	0.26	0.13	0.18	0.13		
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	26.58	21.82	24.20	3.36	2.38		
Dead Coral	11.27	7.84	9.56	2.43	1.72		
SUBSTRATUM							
Limestone Pavement	0.00	0.00	0.00	0.00	0.00		
Sand	0.18	0.00	0.09	0.13	0.09		
Silt	39.69	37.43	38.56	1.60	1.13		
TAPE, WAND, SHADOW							
Frame	3.12	4.18	3.65	0.75	0.53		
Unidentifiable	6.87	2.39	4.63	3.17	2.24		
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	205	353	558	279.00	104.65	74.00	0.07
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	35	21	56	28.00	9.90	7.00	0.82
MYCALE ARMATA	0	0	0	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	3	12	15	7.50	6.36	4.50	1.16
DEAD CORAL, RUBBLE	413	348	761	380.50	45.96	32.50	0.60
SUBSTRATUM	435	439	874	437.00	2.83	2.00	0.02
TAPE, WAND, SHADOW	109	77	186	93.00	22.63	16.00	0.69

TOTAL TRANSECT POINTS	1200	1250	2450				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.07
Dictyospheria, cavernosa	202	349	551	275.50	103.94	73.50	0.01
Gracilaria salicornia	0	1	1	0.50	0.71	0.50	0.01
Kappaphycus sp.	0	0	0	0.00	0.00	0.00	0.00
Other Macroalgae	3	3	6	3.00	0.00	0.00	0.05
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							0.82
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	1	1	0.50	0.71	0.50	0.07
Leptastrea purpurea	0	0	0	0.00	0.00	0.00	0.00
Montipora capitata	27	13	40	20.00	9.90	7.00	0.24
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	3	1	4	2.00	1.41	1.00	0.19
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	5	6	11	5.50	0.71	0.50	0.32
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	0	0	0	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES							1.16
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	3	0	3	1.50	2.12	1.50	0.32
Other Porifera	0	8	8	4.00	5.66	4.00	0.34
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	0	3	3	1.50	2.12	1.50	0.32
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	0	1	1	0.50	0.71	0.50	0.18
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL, RUBBLE							0.60
Coral Rubble	290	256	546	273.00	24.04	17.00	0.24
Dead Coral	123	92	215	107.50	21.92	15.50	0.36

SUBSTRATUM							0.02
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	2	0	2	1.00	1.41	1.00	0.01
Silt	433	439	872	436.00	4.24	3.00	0.00
TAPE, WAND, SHADOW							0.69
Frame	34	49	83	41.50	10.61	7.50	0.36
Unidentifiable	75	28	103	51.50	33.23	23.50	0.33
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	1.21					
MACROALGAE	0.31	0.36					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.11	0.07					
MYCALE ARMATA	0.00	0.00					
OTHER INVERTEBRATES	0.02	0.05					
DEAD CORAL, RUBBLE	0.37	0.36					
SUBSTRATUM	0.37	0.37					
TAPE, WAND, SHADOW							