

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

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File/sheetname:

C:\Files\Mycale Project\Transect Data\01-07-05 Reef 3-2.4 m\Reef3 Summary.xls:Data summary

TRANSECT NAME	Reef3Tr1	Reef3Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1127	1119			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	5.68	3.84	4.76	1.30	0.92
CORALLINE ALGAE	0.35	0.18	0.27	0.12	0.09
CORAL	37.89	49.78	43.83	8.41	5.94
MYCALE ARMATA	2.48	2.50	2.49	0.01	0.01
OTHER INVERTEBRATES	1.77	1.34	1.56	0.31	0.22
DEAD CORAL, RUBBLE	26.09	25.74	25.91	0.25	0.17
SUBSTRATUM	25.73	16.62	21.18	6.44	4.56
TAPE, WAND, SHADOW	9.84	10.48	10.16	0.45	0.32
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	5.68	3.84	4.76	1.30	0.92
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	0.35	0.18	0.27	0.12	0.09
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	0.09	0.00	0.04	0.06	0.04
Montipora capitata	29.64	32.08	30.86	1.73	1.22
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	8.16	17.69	12.93	6.74	4.77		
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	2.48	2.50	2.49	0.01	0.01		
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	0.18	0.09	0.13	0.09		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	1.77	1.16	1.47	0.43	0.31		
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	11.00	9.29	10.15	1.21	0.85		
Dead Coral	15.08	16.44	15.76	0.96	0.68		
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	25.73	16.62	21.18	6.44	4.56		
TAPE, WAND, SHADOW							
Frame	3.55	2.68	3.12	0.61	0.43		
Unidentifiable	7.36	9.03	8.20	1.17	0.83		
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	64	43	107	53.50	14.85	10.50	0.00
CORALLINE ALGAE	4	2	6	3.00	1.41	1.00	0.00
CORAL	427	557	984	492.00	91.92	65.00	0.61
MYCALE ARMATA	28	28	56	28.00	0.00	0.00	0.00
OTHER INVERTEBRATES	20	15	35	17.50	3.54	2.50	0.22
DEAD CORAL, RUBBLE	294	288	582	291.00	4.24	3.00	0.67
SUBSTRATUM	290	186	476	238.00	73.54	52.00	0.00
TAPE, WAND, SHADOW	123	131	254	127.00	5.66	4.00	0.59

TOTAL TRANSECT POINTS	1250	1250	2500				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.00
Dictyosphaeria, cavernosa	64	43	107	53.50	14.85	10.50	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	4	2	6	3.00	1.41	1.00	0.00
CORAL							0.61
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	1	0	1	0.50	0.71	0.50	0.01
Montipora capitata	334	359	693	346.50	17.68	12.50	0.25
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	92	198	290	145.00	74.95	53.00	0.36
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	28	28	56	28.00	0.00	0.00	0.00
OTHER INVERTEBRATES							0.22
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	2	2	1.00	1.41	1.00	0.16
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	20	13	33	16.50	4.95	3.50	0.06
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							0.67
Coral Rubble	124	104	228	114.00	14.14	10.00	0.37
Dead Coral	170	184	354	177.00	9.90	7.00	0.30

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	290	186	476	238.00	73.54	52.00	0.00
TAPE, WAND, SHADOW							0.59
Frame	40	30	70	35.00	7.07	5.00	0.36
Unidentifiable	83	101	184	92.00	12.73	9.00	0.23
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	1.41	1.28					
MACROALGAE	0.16	0.13					
CORALLINE ALGAE	0.02	0.01					
CORAL	0.37	0.35					
MYCALE ARMATA	0.09	0.09					
OTHER INVERTEBRATES	0.07	0.06					
DEAD CORAL, RUBBLE	0.35	0.35					
SUBSTRATUM	0.35	0.30					
TAPE, WAND, SHADOW							