

Project:

Dataset name:

Location:

File/sheetname:

Analysis date:

Analysis by:

Lat:

Long:

C:\Files\Mycale Project\Transect Data\01-28-05 Reef 26 2.4 m\Reef 26 Summary.xls:Data summary

TRANSECT NAME	Reef26Tr1	Reef26Tr2			
Number of frames	25	26			
Total points	1250	1300			
Total points (minus tape+wand+shadow)	1167	1167			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	31.79	27.59	29.69	2.97	2.10
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	2.14	1.97	2.06	0.12	0.09
MYCALE ARMATA	0.00	0.17	0.09	0.12	0.09
OTHER INVERTEBRATES	0.34	0.69	0.51	0.24	0.17
DEAD CORAL, RUBBLE	35.22	45.50	40.36	7.27	5.14
SUBSTRATUM	30.51	24.08	27.29	4.54	3.21
TAPE, WAND, SHADOW	6.64	10.23	8.44	2.54	1.80
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	31.62	27.34	29.48	3.03	2.14
Gracilaria salicornia	0.00	0.00	0.00	0.00	0.00
Kappaphycus sp.	0.17	0.17	0.17	0.00	0.00
Other Macroalgae	0.00	0.09	0.04	0.06	0.04
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	0.26	0.17	0.21	0.06	0.04
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	0.09	0.00	0.04	0.06	0.04
Pocillopora damicornis	0.26	0.26	0.26	0.00	0.00
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	1.54	1.46	1.50	0.06	0.04		
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							
Myscale armata	0.00	0.17	0.09	0.12	0.09		
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	0.09	0.00	0.04	0.06	0.04		
Other Porifera	0.26	0.51	0.39	0.18	0.13		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.00	0.09	0.04	0.06	0.04		
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	18.17	23.82	20.99	4.00	2.83		
Dead Coral	17.05	21.68	19.37	3.27	2.31		
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	30.51	24.08	27.29	4.54	3.21		
TAPE, WAND, SHADOW							
Frame	3.17	4.20	3.68	0.73	0.51		
Unidentifiable	3.94	7.20	5.57	2.30	1.63		
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	371	322	693	346.50	34.65	24.50	0.05
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	25	23	48	24.00	1.41	1.00	0.89
MYCALE ARMATA	0	2	2	1.00	1.41	1.00	0.00
OTHER INVERTEBRATES	4	8	12	6.00	2.83	2.00	0.84
DEAD CORAL, RUBBLE	411	531	942	471.00	84.85	60.00	0.69
SUBSTRATUM	356	281	637	318.50	53.03	37.50	0.00
TAPE, WAND, SHADOW	83	133	216	108.00	35.36	25.00	0.67

<b>TOTAL TRANSECT POINTS</b>	<b>1250</b>	<b>1300</b>	<b>2550</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>							0.05
Dictyospheria, cavernosa	369	319	688	344.00	35.36	25.00	0.01
Gracilaria salicornia	0	0	0	0.00	0.00	0.00	0.00
Kappaphycus sp.	2	2	4	2.00	0.00	0.00	0.03
Other Macroalgae	0	1	1	0.50	0.71	0.50	0.01
Turf algae	0	0	0	0.00	0.00	0.00	0.00
<b>CORALLINE ALGAE</b>							0.00
Coralline algae	0	0	0	0.00	0.00	0.00	0.00
<b>CORAL</b>							0.89
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	0.08
Leptastrea purpurea	0	0	0	0.00	0.00	0.00	0.00
Montipora capitata	3	2	5	2.50	0.71	0.50	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	1	0	1	0.50	0.71	0.50	0.08
Pocillopora damicornis	3	3	6	3.00	0.00	0.00	0.26
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	18	17	35	17.50	0.71	0.50	0.23
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	0	2	2	1.00	1.41	1.00	0.00
<b>OTHER INVERTEBRATES</b>							0.84
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	1	0	1	0.50	0.71	0.50	0.21
Other Porifera	3	6	9	4.50	2.12	1.50	0.22
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	0	1	1	0.50	0.71	0.50	0.21
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00
Tunicates	0	1	1	0.50	0.71	0.50	0.21
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00
<b>DEAD CORAL, RUBBLE</b>							0.69
Coral Rubble	212	278	490	245.00	46.67	33.00	0.34
Dead Coral	199	253	452	226.00	38.18	27.00	0.35

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	356	281	637	318.50	53.03	37.50	0.00
TAPE, WAND, SHADOW							0.67
Frame	37	49	86	43.00	8.49	6.00	0.37
Unidentifiable	46	84	130	65.00	26.87	19.00	0.31
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	1.20	1.18					
MACROALGAE	0.36	0.36					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.08	0.08					
MYCALE ARMATA	0.00	0.01					
OTHER INVERTEBRATES	0.02	0.03					
DEAD CORAL, RUBBLE	0.37	0.36					
SUBSTRATUM	0.36	0.34					
TAPE, WAND, SHADOW							