

Project:

Dataset name:

Location:

File/sheetname:

Analysis date:

Analysis by:

Lat:

Long:

C:\Files\Mycale Project\Transect Data\05-17-04 Marker18 Reef 25\5mTr1\Reef 25 Summary.xls:Data summary

TRANSECT NAME	Reef25Tr1	Reef25Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	1136	1117			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	5.11	11.55	8.33	4.56	3.22
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	26.76	35.99	31.37	6.53	4.61
MYCALE ARMATA	0.09	0.00	0.04	0.06	0.04
OTHER INVERTEBRATES	0.18	0.09	0.13	0.06	0.04
DEAD CORAL, RUBBLE	53.87	38.05	45.96	11.19	7.91
SUBSTRATUM	14.00	14.32	14.16	0.23	0.16
TAPE, WAND, SHADOW	9.12	10.64	9.88	1.07	0.76
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	5.02	11.01	8.01	4.24	3.00
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	0.09	0.54	0.31	0.32	0.22
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	0.00	0.00	0.00	0.00
Leptastrea purpurea	0.00	0.00	0.00	0.00	0.00
Montipora capitata	9.24	8.06	8.65	0.84	0.59
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	17.52	27.93	22.72	7.36	5.21		
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	0.09	0.00	0.04	0.06	0.04		
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	0.00	0.00	0.00	0.00	0.00		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.09	0.09	0.09	0.00	0.00		
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	12.24	8.24	10.24	2.83	2.00		
Dead Coral	41.64	29.81	35.72	8.36	5.91		
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	14.00	14.32	14.16	0.23	0.16		
TAPE, WAND, SHADOW							
Frame	2.20	1.43	1.82	0.54	0.38		
Unidentifiable	7.83	10.47	9.15	1.87	1.32		
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	58	129	187	93.50	50.20	35.50	0.16
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	304	402	706	353.00	69.30	49.00	0.59
MYCALE ARMATA	1	0	1	0.50	0.71	0.50	0.00
OTHER INVERTEBRATES	2	1	3	1.50	0.71	0.50	0.64
DEAD CORAL, RUBBLE	612	425	1037	518.50	132.23	93.50	0.53
SUBSTRATUM	159	160	319	159.50	0.71	0.50	0.00
TAPE, WAND, SHADOW	114	133	247	123.50	13.44	9.50	0.45

<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>							0.16
Dictyospheria, cavernosa	57	123	180	90.00	46.67	33.00	0.04
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	1	6	7	3.50	3.54	2.50	0.12
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>							0.59
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	105	90	195	97.50	10.61	7.50	0.36
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	199	312	511	255.50	79.90	56.50	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	1	0	1	0.50	0.71	0.50	0.00
<b>OTHER INVERTEBRATES</b>							0.64
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	0.37
Other Porifera	0	0	0	0.00	0.00	0.00	0.00
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	1	1	2	1.00	0.00	0.00	0.27
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	139	92	231	115.50	33.23	23.50	0.33
Dead Coral	473	333	806	403.00	98.99	70.00	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	159	160	319	159.50	0.71	0.50	0.00
TAPE, WAND, SHADOW							0.45
Frame	25	16	41	20.50	6.36	4.50	0.30
Unidentifiable	89	117	206	103.00	19.80	14.00	0.15
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	1.13	1.27					
MACROALGAE	0.15	0.25					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.35	0.37					
MYCALE ARMATA	0.01	0.00					
OTHER INVERTEBRATES	0.01	0.01					
DEAD CORAL, RUBBLE	0.33	0.37					
SUBSTRATUM	0.28	0.28					
TAPE, WAND, SHADOW							