

Project:

Dataset name:

Location:

File/sheetname:

Analysis date:

Analysis by:

Lat:

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C:\Files\Mycale Project\Transect Data\05-05-04 Heeia Reef 17\Reef17 Summary.xls:Data summary

TRANSECT NAME	Reef17Tr2	Reef17Tr1			
Number of frames	25	24			
Total points	1250	1200			
Total points (minus tape+wand+shadow)	1151	904			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	0.17	0.22	0.20	0.03	0.02
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	11.47	20.35	15.91	6.28	4.44
MYCALE ARMATA	0.00	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	0.09	0.22	0.15	0.10	0.07
DEAD CORAL, RUBBLE	58.30	55.75	57.02	1.80	1.27
SUBSTRATUM	29.97	23.45	26.71	4.61	3.26
TAPE, WAND, SHADOW	7.92	24.67	16.29	11.84	8.37
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	0.00	0.22	0.11	0.16	0.11
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	0.17	0.00	0.09	0.12	0.09
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	5.73	11.62	8.67	4.16	2.94
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	0.11	0.06	0.08	0.06
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	5.73	8.63	7.18	2.05	1.45		
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	0.09	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	0.00	0.22	0.11	0.16	0.11		
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	17.38	6.64	12.01	7.59	5.37		
Dead Coral	40.92	49.12	45.02	5.79	4.10		
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	29.97	23.45	26.71	4.61	3.26		
TAPE, WAND, SHADOW							
Frame	2.95	1.88	2.42	0.76	0.54		
Unidentifiable	5.65	30.86	18.26	17.83	12.61		
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	2	2	4	2.00	0.00	0.00	0.69
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	132	184	316	158.00	36.77	26.00	0.71
MYCALE ARMATA	0	0	0	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	1	2	3	1.50	0.71	0.50	0.64
DEAD CORAL, RUBBLE	671	504	1175	587.50	118.09	83.50	0.53
SUBSTRATUM	345	212	557	278.50	94.05	66.50	0.00
TAPE, WAND, SHADOW	99	296	395	197.50	139.30	98.50	0.38

<b>TOTAL TRANSECT POINTS</b>	<b>1250</b>	<b>1200</b>	<b>2450</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>							0.69
Dictyospheria, cavernosa	0	2	2	1.00	1.41	1.00	0.35
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	0.35
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>							0.71
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	66	105	171	85.50	27.58	19.50	0.33
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	1	1	0.50	0.71	0.50	0.02
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	66	78	144	72.00	8.49	6.00	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
<b>MYCALE ARMATA</b>							0.00
Mycale armata	0	0	0	0.00	0.00	0.00	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	0	2	2	1.00	1.41	1.00	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	200	60	260	130.00	98.99	70.00	0.33
Dead Coral	471	444	915	457.50	19.09	13.50	0.19

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	345	212	557	278.50	94.05	66.50	0.00
TAPE, WAND, SHADOW							0.38
Frame	34	17	51	25.50	12.02	8.50	0.26
Unidentifiable	65	279	344	172.00	151.32	107.00	0.12
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	0.94	1.02					
MACROALGAE	0.01	0.01					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.25	0.32					
MYCALE ARMATA	0.00	0.00					
OTHER INVERTEBRATES	0.01	0.01					
DEAD CORAL, RUBBLE	0.31	0.33					
SUBSTRATUM	0.36	0.34					
TAPE, WAND, SHADOW							