

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

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C:\Files\Mycale Project\Transect Data\05-05-04 Waiahole Reef 44\Waiahole Summary.xls:Data summary

TRANSECT NAME	WaiaholeTr1	WaiaholeTr2			
Number of frames	25	26			
Total points	1250	1300			
Total points (minus tape+wand+shadow)	1015	1073			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	4.33	0.28	2.31	2.87	2.03
CORALLINE ALGAE	0.69	0.19	0.44	0.36	0.25
CORAL	57.54	38.58	48.06	13.40	9.48
MYCALE ARMATA	0.00	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	0.79	0.00	0.39	0.56	0.39
DEAD CORAL, RUBBLE	28.57	35.79	32.18	5.10	3.61
SUBSTRATUM	8.08	25.16	16.62	12.08	8.54
TAPE, WAND, SHADOW	18.80	17.46	18.13	0.95	0.67
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	4.24	0.28	2.26	2.80	1.98
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	0.10	0.00	0.05	0.07	0.05
Turf algae	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Coralline algae	0.69	0.19	0.44	0.36	0.25
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	5.52	7.08	6.30	1.11	0.78
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	0.19	0.09	0.13	0.09
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	52.02	31.31	41.67	14.64	10.35		
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	0.00	0.00	0.00	0.00	0.00		
Other Porifera	0.49	0.00	0.25	0.35	0.25		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.30	0.00	0.15	0.21	0.15		
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	3.84	17.89	10.87	9.94	7.03		
Dead Coral	24.73	17.89	21.31	4.83	3.42		
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	8.08	25.16	16.62	12.08	8.54		
TAPE, WAND, SHADOW							
Frame	3.15	2.61	2.88	0.38	0.27		
Unidentifiable	20.00	18.55	19.27	1.03	0.73		
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	44	3	47	23.50	28.99	20.50	0.10
CORALLINE ALGAE	7	2	9	4.50	3.54	2.50	0.00
CORAL	584	414	998	499.00	120.21	85.00	0.40
MYCALE ARMATA	0	0	0	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	8	0	8	4.00	5.66	4.00	0.66
DEAD CORAL, RUBBLE	290	384	674	337.00	66.47	47.00	0.64
SUBSTRATUM	82	270	352	176.00	132.94	94.00	0.00
TAPE, WAND, SHADOW	235	227	462	231.00	5.66	4.00	0.39

TOTAL TRANSECT POINTS	1250	1300	2550				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.10
Dictyospheria, cavernosa	43	3	46	23.00	28.28	20.00	0.02
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	0	1	0.50	0.71	0.50	0.08
Turf algae	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE							0.00
Coralline algae	7	2	9	4.50	3.54	2.50	0.00
CORAL							0.40
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	56	76	132	66.00	14.14	10.00	0.27
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	2	2	1.00	1.41	1.00	0.01
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	528	336	864	432.00	135.76	96.00	0.12
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							0.66
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	5	0	5	2.50	3.54	2.50	0.29
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	3	0	3	1.50	2.12	1.50	0.37
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							0.64
Coral Rubble	39	192	231	115.50	108.19	76.50	0.37
Dead Coral	251	192	443	221.50	41.72	29.50	0.28

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	82	270	352	176.00	132.94	94.00	0.00
TAPE, WAND, SHADOW							0.39
Frame	32	28	60	30.00	2.83	2.00	0.27
Unidentifiable	203	199	402	201.00	2.83	2.00	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	1.09	1.11					
MACROALGAE	0.14	0.02					
CORALLINE ALGAE	0.03	0.01					
CORAL	0.32	0.37					
MYCALE ARMATA	0.00	0.00					
OTHER INVERTEBRATES	0.04	0.00					
DEAD CORAL, RUBBLE	0.36	0.37					
SUBSTRATUM	0.20	0.35					
TAPE, WAND, SHADOW							