

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

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C:\Files\Mycale Project\Transect Data\05-10-04 Hakipuu Reef\Hakipuu Summary.xls:Data summary

TRANSECT NAME	HakipuuTr1	HakipuuTr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	869	824			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	4.26	0.49	2.37	2.67	1.89
CORALLINE ALGAE	0.35	1.09	0.72	0.53	0.37
CORAL	37.97	55.58	46.78	12.45	8.80
MYCALE ARMATA	0.00	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	0.00	0.00	0.00	0.00	0.00
DEAD CORAL, RUBBLE	52.47	42.84	47.66	6.81	4.82
SUBSTRATUM	4.95	0.00	2.47	3.50	2.47
TAPE, WAND, SHADOW	30.48	34.08	32.28	2.55	1.80
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	4.14	0.36	2.25	2.67	1.89
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	0.12	0.12	0.12	0.00	0.00
Turf algae	0.00	0.00	0.00	0.00	0.00
CORALLINE ALGAE					
Coralline algae	0.35	1.09	0.72	0.53	0.37
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	0.00	0.00	0.00	0.00	0.00
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	37.97	55.58	46.78	12.45	8.80		
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	0.00	0.00	0.00	0.00	0.00		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.00	0.00	0.00	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	4.83	1.94	3.39	2.04	1.45		
Dead Coral	47.64	40.90	44.27	4.77	3.37		
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	4.95	0.00	2.47	3.50	2.47		
TAPE, WAND, SHADOW							
Frame	5.75	4.98	5.36	0.55	0.39		
Unidentifiable	38.09	46.72	42.41	6.10	4.32		
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	37	4	41	20.50	23.33	16.50	0.19
CORALLINE ALGAE	3	9	12	6.00	4.24	3.00	0.00
CORAL	330	458	788	394.00	90.51	64.00	0.00
MYCALE ARMATA	0	0	0	0.00	0.00	0.00	0.00
OTHER INVERTEBRATES	0	0	0	0.00	0.00	0.00	0.00
DEAD CORAL, RUBBLE	456	353	809	404.50	72.83	51.50	0.26
SUBSTRATUM	43	0	43	21.50	30.41	21.50	0.00
TAPE, WAND, SHADOW	381	426	807	403.50	31.82	22.50	0.35

TOTAL TRANSECT POINTS	1250	1250	2500				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.19
Dictyospheria, cavernosa	36	3	39	19.50	23.33	16.50	0.05
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	1	2	1.00	0.00	0.00	0.15
Turf algae	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE							0.00
Coralline algae	3	9	12	6.00	4.24	3.00	0.00
CORAL							0.00
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	0	0	0	0.00	0.00	0.00	0.00
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	330	458	788	394.00	90.51	64.00	0.00
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							0.00
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	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	0	0	0.00	0.00	0.00	0.00
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							0.26
Coral Rubble	42	16	58	29.00	18.38	13.00	0.19
Dead Coral	414	337	751	375.50	54.45	38.50	0.07

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	43	0	43	21.50	30.41	21.50	0.00
TAPE, WAND, SHADOW							0.35
Frame	50	41	91	45.50	6.36	4.50	0.25
Unidentifiable	331	385	716	358.00	38.18	27.00	0.11
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	1.01	0.76					
MACROALGAE	0.13	0.03					
CORALLINE ALGAE	0.02	0.05					
CORAL	0.37	0.33					
MYCALE ARMATA	0.00	0.00					
OTHER INVERTEBRATES	0.00	0.00					
DEAD CORAL, RUBBLE	0.34	0.36					
SUBSTRATUM	0.15	0.00					
TAPE, WAND, SHADOW							