

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

Long:

File/sheetname:

C:\Files\Mycale Project\Transect Data\05-17-04 Checker Reef 8\Checker Reef Summary.xls:Data summary

TRANSECT NAME	CheckerTr1	CheckerTr2			
Number of frames	24	25			
Total points	1200	1250			
Total points (minus tape+wand+shadow)	1051	1092			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	16.84	15.57	16.20	0.90	0.64
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	23.12	11.26	17.19	8.38	5.93
MYCALE ARMATA	0.48	1.28	0.88	0.57	0.40
OTHER INVERTEBRATES	0.67	0.46	0.56	0.15	0.10
DEAD CORAL, RUBBLE	26.36	30.31	28.33	2.80	1.98
SUBSTRATUM	32.54	41.12	36.83	6.06	4.29
TAPE, WAND, SHADOW	12.42	12.64	12.53	0.16	0.11
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	16.84	15.57	16.20	0.90	0.64
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	0.00	0.00	0.00	0.00	0.00
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	20.74	8.42	14.58	8.71	6.16
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	0.10	0.00	0.05	0.07	0.05
Pocillopora meandrina	0.00	0.00	0.00	0.00	0.00

Porites compressa	2.28	2.84	2.56	0.39	0.28		
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	0.48	1.28	0.88	0.57	0.40		
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	0.48	0.37	0.42	0.08	0.05		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	0.19	0.09	0.14	0.07	0.05		
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	5.99	10.99	8.49	3.53	2.50		
Dead Coral	20.36	19.32	19.84	0.73	0.52		
SUBSTRATUM							
Limestone Pavement	0.00	0.00	0.00	0.00	0.00		
Sand	0.10	0.18	0.14	0.06	0.04		
Silt	32.45	40.93	36.69	6.00	4.24		
TAPE, WAND, SHADOW							
Frame	4.00	3.30	3.65	0.49	0.35		
Unidentifiable	10.18	11.17	10.68	0.70	0.50		
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	177	170	347	173.50	4.95	3.50	0.00
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	243	123	366	183.00	84.85	60.00	0.44
MYCALE ARMATA	5	14	19	9.50	6.36	4.50	0.00
OTHER INVERTEBRATES	7	5	12	6.00	1.41	1.00	0.56
DEAD CORAL, RUBBLE	277	331	608	304.00	38.18	27.00	0.61
SUBSTRATUM	342	449	791	395.50	75.66	53.50	0.02
TAPE, WAND, SHADOW	149	158	307	153.50	6.36	4.50	0.57

TOTAL TRANSECT POINTS	1200	1250	2450				
SUBCATEGORIES (occurring in transect)			SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE							0.00
Dictyospheria, cavernosa	177	170	347	173.50	4.95	3.50	0.00
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	0	0	0	0.00	0.00	0.00	0.00
Turf algae	0	0	0	0.00	0.00	0.00	0.00
CORALLINE ALGAE							0.00
Coralline algae	0	0	0	0.00	0.00	0.00	0.00
CORAL							0.44
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	218	92	310	155.00	89.10	63.00	0.14
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	1	0	1	0.50	0.71	0.50	0.02
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00
Porites compressa	24	31	55	27.50	4.95	3.50	0.28
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	5	14	19	9.50	6.36	4.50	0.00
OTHER INVERTEBRATES							0.56
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	4	9	4.50	0.71	0.50	0.22
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00
Sabellastarte	2	1	3	1.50	0.71	0.50	0.35
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							0.61
Coral Rubble	63	120	183	91.50	40.31	28.50	0.36
Dead Coral	214	211	425	212.50	2.12	1.50	0.25

SUBSTRATUM							0.02
Limestone Pavement	0	0	0	0.00	0.00	0.00	0.00
Sand	1	2	3	1.50	0.71	0.50	0.02
Silt	341	447	788	394.00	74.95	53.00	0.00
TAPE, WAND, SHADOW							0.57
Frame	42	36	78	39.00	4.24	3.00	0.35
Unidentifiable	107	122	229	114.50	10.61	7.50	0.22
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	1.41	1.34					
MACROALGAE	0.30	0.29					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.34	0.25					
MYCALE ARMATA	0.03	0.06					
OTHER INVERTEBRATES	0.03	0.02					
DEAD CORAL, RUBBLE	0.35	0.36					
SUBSTRATUM	0.37	0.37					
TAPE, WAND, SHADOW							