

Project:

Analysis date:

Dataset name:

Analysis by:

Location:

Lat:

Long:

File/sheetname:

C:\Files\Mycale Project\Transect Data\02-19-04 Coco Is 1\Coco. Is. 1 Summary.xls:Data summary

TRANSECT NAME	Cocols1Tr1	Cocols1Tr2			
Number of frames	25	25			
Total points	1250	1250			
Total points (minus tape+wand+shadow)	984	973			
MAJOR CATEGORY (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE	16.16	8.63	12.40	5.32	3.76
CORALLINE ALGAE	0.00	0.00	0.00	0.00	0.00
CORAL	22.26	18.19	20.22	2.87	2.03
MYCALE ARMATA	2.03	5.04	3.53	2.12	1.50
OTHER INVERTEBRATES	2.13	1.44	1.79	0.49	0.35
DEAD CORAL, RUBBLE	26.02	33.61	29.81	5.37	3.80
SUBSTRATUM	31.40	33.09	32.25	1.20	0.85
TAPE, WAND, SHADOW	21.28	22.16	21.72	0.62	0.44
Sum (excluding tape+shadow+wand)	100.00	100.00			
SUBCATEGORIES (% of transect)			MEAN	STD. DEV.	STD. ERROR
MACROALGAE					
Dictyospheria, cavernosa	16.16	7.71	11.93	5.98	4.23
Gracilaria salicornia	0.00	0.00	0.00	0.00	0.00
Kappaphycus sp.	0.00	0.82	0.41	0.58	0.41
Other Macroalgae	0.00	0.10	0.05	0.07	0.05
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	19.41	10.48	14.95	6.31	4.46
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	2.85	7.50	5.17	3.29	2.33		
Porites lobata	0.00	0.00	0.00	0.00	0.00		
Unknown coral	0.00	0.21	0.10	0.15	0.10		
MYCALE ARMATA							
Mycale armata	2.03	5.04	3.53	2.12	1.50		
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	0.61	0.62	0.61	0.00	0.00		
Palythoa caesia	0.00	0.00	0.00	0.00	0.00		
Sabellastarte	1.52	0.82	1.17	0.50	0.35		
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	2.64	7.71	5.18	3.58	2.53		
Dead Coral	23.37	25.90	24.64	1.79	1.26		
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	31.40	33.09	32.25	1.20	0.85		
TAPE, WAND, SHADOW							
Frame	4.37	3.49	3.93	0.62	0.44		
Unidentifiable	22.66	24.97	23.82	1.63	1.16		
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	159	84	243	121.50	53.03	37.50	0.17
CORALLINE ALGAE	0	0	0	0.00	0.00	0.00	0.00
CORAL	219	177	396	198.00	29.70	21.00	0.60
MYCALE ARMATA	20	49	69	34.50	20.51	14.50	0.00
OTHER INVERTEBRATES	21	14	35	17.50	4.95	3.50	0.64
DEAD CORAL, RUBBLE	256	327	583	291.50	50.20	35.50	0.46
SUBSTRATUM	309	322	631	315.50	9.19	6.50	0.00
TAPE, WAND, SHADOW	266	277	543	271.50	7.78	5.50	0.41

TOTAL TRANSECT POINTS	1250	1250	2500					
SUBCATEGORIES (occurring in transect)				SUMS	MEAN	STD. DEV.	STD. ERROR	SW INDEX
MACROALGAE								0.17
Dictyospheria, cavernosa	159	75	234	117.00	59.40	42.00	0.04	
Gracilaria salicornia	0	0	0	0.00	0.00	0.00	0.00	0.00
Kappaphycus sp.	0	8	8	4.00	5.66	4.00	0.11	
Other Macroalgae	0	1	1	0.50	0.71	0.50	0.02	
Turf algae	0	0	0	0.00	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	0.00
CORAL								0.60
Bleached Coral	0	0	0	0.00	0.00	0.00	0.00	0.00
Cyphastrea ocellina	0	0	0	0.00	0.00	0.00	0.00	0.00
Fungia scutaria	0	0	0	0.00	0.00	0.00	0.00	0.00
Leptastrea purpurea	0	0	0	0.00	0.00	0.00	0.00	0.00
Montipora capitata	191	102	293	146.50	62.93	44.50	0.22	
Montipora flabellata	0	0	0	0.00	0.00	0.00	0.00	0.00
Montipora patula	0	0	0	0.00	0.00	0.00	0.00	0.00
Pavona varians	0	0	0	0.00	0.00	0.00	0.00	0.00
Pocillopora damicornis	0	0	0	0.00	0.00	0.00	0.00	0.00
Pocillopora meandrina	0	0	0	0.00	0.00	0.00	0.00	0.00
Porites compressa	28	73	101	50.50	31.82	22.50	0.35	
Porites lobata	0	0	0	0.00	0.00	0.00	0.00	0.00
Unknown coral	0	2	2	1.00	1.41	1.00	0.03	
MYCALE ARMATA								0.00
Mycale armata	20	49	69	34.50	20.51	14.50	0.00	
OTHER INVERTEBRATES								0.64
Echinometra mathaei	0	0	0	0.00	0.00	0.00	0.00	0.00
Echinothrix diadema	0	0	0	0.00	0.00	0.00	0.00	0.00
Ophiodesoma	0	0	0	0.00	0.00	0.00	0.00	0.00
Other Porifera	6	6	12	6.00	0.00	0.00	0.00	0.37
Palythoa caesia	0	0	0	0.00	0.00	0.00	0.00	0.00
Sabellastarte	15	8	23	11.50	4.95	3.50	0.28	
Sarcothelia edmondsoni	0	0	0	0.00	0.00	0.00	0.00	0.00
Tunicates	0	0	0	0.00	0.00	0.00	0.00	0.00
Zoanthus sp.	0	0	0	0.00	0.00	0.00	0.00	0.00
DEAD CORAL, RUBBLE								0.46
Coral Rubble	26	75	101	50.50	34.65	24.50	0.30	
Dead Coral	230	252	482	241.00	15.56	11.00	0.16	

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	309	322	631	315.50	9.19	6.50	0.00
TAPE, WAND, SHADOW							0.41
Frame	43	34	77	38.50	6.36	4.50	0.28
Unidentifiable	223	243	466	233.00	14.14	10.00	0.13
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	1.50	1.47					
MACROALGAE	0.29	0.21					
CORALLINE ALGAE	0.00	0.00					
CORAL	0.33	0.31					
MYCALE ARMATA	0.08	0.15					
OTHER INVERTEBRATES	0.08	0.06					
DEAD CORAL, RUBBLE	0.35	0.37					
SUBSTRATUM	0.36	0.37					
TAPE, WAND, SHADOW							