

TABLE 9. Summary of Biological Observations Made at Transect BP-4-B, Situated on Smooth Limestone Substratum 15 m East of the Basalt Caprock of the Barbers Point Discharge Pipe, Approximately 1.4 km Inshore (North) of Barbers Point Ocean Outfall Terminus, on 19 June 1995

| | | Percent Cover | | | | |
|------------------------------|------|---------------------------------|------|------|------|------|
| I. Quadrat Survey | | Quadrat Distance Along Transect | | | | |
| | | 0 m | 5 m | 10 m | 15 m | 20 m |
| Sponges | | | | | | |
| <i>Plakortis simplex</i> | 0.4 | 0.1 | 0.7 | | | |
| <i>Chondrosia chucalla</i> | | | | | 0.8 | 0.6 |
| <i>Spirastrella coccinea</i> | | | | | 0.1 | 0.1 |
| | | | | | | |
| Soft Corals | | | | | | |
| <i>Anthelia edmondsoni</i> | 0.1 | 0.1 | | | 0.1 | 0.1 |
| | | | | | | |
| Corals | | | | | | |
| <i>Porites lobata</i> | 0.7 | 0.3 | 1.3 | 2.0 | | 1.5 |
| <i>Pocillopora meandrina</i> | 8.0 | | 1.0 | 3.8 | | 0.1 |
| <i>Montipora patula</i> | 3.0 | | | | | |
| | | | | | | |
| Sand | | 6.0 | 5.0 | | | |
| Hard Substratum | 87.8 | 93.5 | 92.0 | 93.2 | | 97.6 |

| | | | | | |
|--|-----------------------|--|--|--|--|
| II. Macroinvertebrate Census (4 m ∞ 20 m) | No. of Individuals | | | | |
|--|-----------------------|--|--|--|--|

| | | | | | |
|---|---|--|--|--|--|
| Phylum Mollusca | | | | | |
| <i>Conus leopardus</i> | 1 | | | | |
| | | | | | |
| Phylum Annelida | | | | | |
| <i>Spirobranchus giganteus corniculatus</i> | 3 | | | | |
| | | | | | |
| Phylum Arthropoda | | | | | |
| <i>Aniculus strigatus</i> | 1 | | | | |
| | | | | | |
| Phylum Echinodermata | | | | | |
| <i>Echinostrephus aciculatum</i> | 3 | | | | |

| | | | | | |
|--------------------------------------|--|--|--|--|--|
| III. Fish Census (4 m ∞ 20 m) | | | | | |
|--------------------------------------|--|--|--|--|--|

| | | | | | |
|---|--|--|--|--|--|
| 10 Species | | | | | |
| 96 Individuals | | | | | |
| Estimated Standing Crop = 16 g/m ² | | | | | |

NOTE: Results of the 5-m² quadrat sampling (visual appraisal) of the benthic community are presented in Part I, counts of diurnally exposed macroinvertebrates are given in Part II, and a summary of the fish census is presented in Part III. Water depth is 17.7 m; mean coral coverage is 4.3% (visual quadrat method).

