

TABLE 7. Summary of Biological Observations Made at Transect BP-3-B, 3.3 km West and Inshore of Barbers Point Ocean Outfall Terminus, on 15 May 1996

| | | Percent Cover | | | | |
|------------------------------|------|---------------------------------|------|------|------|------|
| I. Quadrat Survey | | Quadrat Distance Along Transect | | | | |
| | | 0 m | 5 m | 10 m | 15 m | 20 m |
| Sponges | | | | | | |
| <i>Spirastrella coccinea</i> | 0.3 | 1.2 | | 1.1 | 1.7 | |
| <i>Chondrosia chucalla</i> | 0.4 | | | 0.2 | 0.5 | |
| <i>Plakortis simplex</i> | | | | 0.8 | | |
| | | | | | | |
| Corals | | | | | | |
| <i>Porites lobata</i> | 4.0 | | 0.1 | 4.2 | 0.9 | |
| <i>Porites compressa</i> | 0.8 | 0.1 | | 0.3 | | |
| <i>Pocillopora meandrina</i> | | 0.1 | | 0.3 | 0.3 | |
| <i>Montipora verrucosa</i> | | 1.0 | | | | |
| <i>Montipora patula</i> | | 0.3 | | 0.7 | | |
| | | | | | | |
| Sand | | 1.0 | 2.0 | 2.0 | | |
| Rubble | 81.5 | 79.3 | 94.9 | 64.4 | 84.6 | |
| Hard Substratum | 13.0 | 17.0 | 3.0 | 26.0 | 12.0 | |

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

| | | | | | |
|------------------------------------|---|--|--|--|--|
| Phylum Mollusca | | | | | |
| <i>Spondylus tenebrosus</i> | 3 | | | | |
| <i>Lithophaga</i> sp. | 2 | | | | |
| | | | | | |
| Phylum Echinodermata | | | | | |
| <i>Echinometra mathaei</i> | 4 | | | | |
| <i>Tripneustes gratilla</i> | 1 | | | | |
| <i>Heterocentrotus mammillatus</i> | 3 | | | | |
| <i>Echinothrix diadema</i> | 4 | | | | |
| <i>Echinothrix calamaris</i> | 6 | | | | |

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

| | | | | | |
|--|--|--|--|--|--|
| 27 Species | | | | | |
| 393 Individuals | | | | | |
| Estimated Standing Crop = 282 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 16.5 m; mean coral coverage is 2.6% (visual quadrat method).