

TABLE 1. Summary of Biological Observations Made at Transect BP-1-A, 2.2 km Inshore and Northeast of Barbers Point Deep Ocean Outfall Terminus (Station BP-1), May 1993

| | | Percent Cover | | | | |
|------------------------------|----|-------------------------------------|------|------|----|------|
| I. Quadrat Survey | | Quadrat Distance Along Transect (m) | | | | |
| | | 0 | 5 | 10 | 15 | 20 |
| Algae | | | | | | |
| <i>Porolithon onkodes</i> | 2 | 0.5 | | | | |
| Soft Corals | | | | | | |
| <i>Anthelia edmondsoni</i> | | | | | | 1.2 |
| Corals | | | | | | |
| <i>Porites lobata</i> | 19 | 27 | | 2 | | 23 |
| <i>P. compressa</i> | | 4.5 | 0.5 | | | |
| <i>Pocillopora meandrina</i> | | 1 | | 0.1 | | |
| <i>Montipora verrucosa</i> | | | | 0.1 | | |
| <i>M. patula</i> | | | 0.1 | | | |
| Sand | | | | 2 | | 1 |
| Rubble | 23 | 8 | 40 | 87.8 | | 12 |
| Hard Substratum | 56 | 59 | 59.4 | 8 | | 62.8 |

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

| | | | | | |
|------------------------------------|---|--|--|--|--|
| Phylum Mollusca | | | | | |
| <i>Spondylus tenebrosus</i> | 2 | | | | |
| Phylum Annelida | | | | | |
| <i>Loimia medusa</i> | 1 | | | | |
| Phylum Echinodermata | | | | | |
| <i>Heterocentrotus mammillatus</i> | 1 | | | | |
| <i>Echinometra mathaei</i> | 2 | | | | |

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

| | | | | | |
|--|--|--|--|--|--|
| 41 Species | | | | | |
| 375 Individuals | | | | | |
| Estimated Standing Crop = 249 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 ranges from 14.9 to 15.8 m; mean coral coverage is 15.5% (visual quadrat method).

