

TABLE 3. Summary of Biological Observations Made at Transect BP-1-B, 2.2 km Inshore and Northeast of Barbers Point Ocean Outfall Terminus, on 19 February 1997

| | | Percent Cover | | | | |
|------------------------------|------|---------------------------------|------|------|------|------|
| I. Quadrat Survey | | Quadrat Distance Along Transect | | | | |
| | | 0 m | 5 m | 10 m | 15 m | 20 m |
| Algae | | | | | | |
| <i>Porolithon onkodes</i> | | | | | | 0.5 |
| <i>Desmia hornemannii</i> | | | | | 0.2 | |
| Sponges | | | | | | |
| <i>Chondrosia chucalla</i> | 0.3 | 0.2 | | | | |
| Soft Corals | | | | | | |
| <i>Anthelia edmondsoni</i> | | | 0.3 | | | |
| Corals | | | | | | |
| <i>Porites lobata</i> | 6.5 | 3.5 | 0.5 | 1.9 | 41.0 | |
| <i>Porites compressa</i> | 1.8 | 0.5 | 1.0 | 3.4 | 2.1 | |
| <i>Pocillopora meandrina</i> | 0.4 | | 0.1 | 0.1 | | |
| <i>Montipora patula</i> | | 0.2 | 2.0 | 1.8 | | |
| <i>Montipora verrucosa</i> | | | | | 0.7 | |
| <i>Pavona duerdeni</i> | | | 0.3 | | | |
| <i>Pavona varians</i> | | | | | 0.4 | |
| Sand | 3.0 | 3.0 | 6.0 | 3.0 | | |
| Rubble | 69.0 | 85.6 | 77.8 | 71.6 | | |
| Hard Substratum | 19.0 | 7.0 | 12.0 | 18.0 | 55.3 | |

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

| | | | | | |
|---------------------------------------------|----|--|--|--|--|
| Phylum Mollusca | | | | | |
| <i>Spondylus tenebrosus</i> | 2 | | | | |
| <i>Lithophaga</i> sp. | 2 | | | | |
| Phylum Annelida | | | | | |
| <i>Spirobranchus giganteus corniculatus</i> | 17 | | | | |
| <i>Sabellastarte sanctijosephi</i> | 1 | | | | |
| Phylum Echinodermata | | | | | |
| <i>Echinothrix diadema</i> | 2 | | | | |
| <i>Linckia diplax</i> | 1 | | | | |

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

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|------------|--|--|--|--|--|
| 34 Species | | | | | |
|------------|--|--|--|--|--|

| | | | | | |
|------------------------------------------------|--|--|--|--|--|
| 428 Individuals | | | | | |
| Estimated Standing Crop = 471 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 13.6% (visual quadrat method).