

TABLE 3. Summary of Biological Observations Made at Transect T-2, Offshore of Kewalo Landfill (Station A) on 28 August 1998

| I. Quadrat Survey             |      | Quadrat Distance Along Transect |      |      |      |      |
|-------------------------------|------|---------------------------------|------|------|------|------|
|                               |      | 0 m                             | 5 m  | 10 m | 15 m | 20 m |
| Algae                         |      |                                 |      |      |      |      |
| <i>Amansia glomerata</i>      | 1.0  |                                 |      |      | 7.0  |      |
| <i>Porolithon onkodes</i>     |      |                                 |      | 2.5  |      |      |
| <i>Liagora tetrasporifera</i> |      |                                 |      |      | 0.1  |      |
| Sponges                       |      |                                 |      |      |      |      |
| <i>Spirastrella coccinea</i>  | 0.6  |                                 |      | 2.5  | 0.3  |      |
| <i>Plakortis simplex</i>      | 0.3  |                                 |      |      |      |      |
| Soft Corals                   |      |                                 |      |      |      |      |
| <i>Anthelia edmondsoni</i>    |      |                                 | 0.7  |      |      |      |
| Corals                        |      |                                 |      |      |      |      |
| <i>Porites lobata</i>         | 33.0 | 46.0                            | 32.0 | 43.0 | 63.0 |      |
| <i>Porites compressa</i>      |      | 1.4                             | 3.1  | 2.3  | 3.5  |      |
| <i>Pocillopora meandrina</i>  | 0.5  | 0.6                             | 3.4  | 5.0  | 1.0  |      |
| <i>Montipora verrucosa</i>    | 0.1  |                                 |      |      | 0.2  | 0.3  |
| <i>Montipora patula</i>       | 0.6  | 2.5                             | 3.0  | 0.9  |      |      |
| <i>Leptastrea purpurea</i>    |      |                                 |      |      |      | 0.5  |
| Sand                          |      |                                 | 1.0  |      |      |      |
| Rubble                        |      |                                 | 4.0  | 3.0  | 2.0  |      |
| Hard Substratum               | 63.9 | 47.8                            | 49.5 | 38.2 | 29.7 |      |

|  |                    |  |
|--|--------------------|--|
| II. Macroinvertebrate Census (4 m $\infty$ 20 m) | No. of Individuals |  |
|--|--------------------|--|

|   |     |
|---|-----|
| Phylum Mollusca                             |     |
| <i>Spondylus tenebrosus</i>                 | 1   |
| <i>Lithophaga</i> sp.                       | 2   |
| Phylum Annelida                             |     |
| <i>Spirobranchus giganteus corniculatus</i> | 54  |
| Phylum Echinodermata                        |     |
| <i>Echinothrix calamaris</i>                | 1   |
| <i>Echinothrix diadema</i>                  | 132 |
| <i>Echinometra mathaei</i>                  | 3   |
| <i>Tripneustes gratilla</i>                 | 2   |

|                                      |
|--------------------------------------|
| III. Fish Census (4 m $\infty$ 20 m) |
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|  |
|--|
| 27 Species                                     |
| 140 Individuals                                |
| Estimated Standing Crop = 132 g/m <sup>2</sup> |

NOTE: Results of the 5-m<sup>2</sup> quadrat sampling of the benthic community are presented in Part I as percent cover, counts of diurnally exposed macroinvertebrates are given in Part II, and a summary of the fish census is given in Part III. Water depth ranges from 17.0 to 18.2 m; mean coral coverage is 49.0% (quadrat method).

