

Table 4C.1 Benthic Attributes along the Survey Transects at Survey Locations

| | C1 | | C2 | | C3 | |
|---|----------|----------|----------|----------|----------|----------|
| | Shallow | Deep | Shallow | Deep | Shallow | Deep |
| Transect depth (mCD) | -2 to -3 | -6 to -8 | -2 to -4 | -6 to -7 | -2 to -3 | -6 to -8 |
| Seabed attributes | | | | | | |
| Bedrock | 0 | 1 | 5 | 3 | 2 | 0 |
| Continuous pavement | 0 | 0 | 0 | 0 | 0 | 0 |
| Rock (<26cm) | 0 | 0 | 0 | 0 | 0 | 0 |
| Large Boulder (diameter >50cm) | 5 | 4 | 3 | 5 | 6 | 6 |
| Small Boulder (diameter <50cm) | 3 | 3 | 0 | 0 | 0 | 0 |
| Rubble | 1 | 1 | 0 | 0 | 0 | 1 |
| Sand | 1 | 2 | 2 | 2 | 1 | 1 |
| Mud/Silt | 1 | 1 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecological attributes | | | | | | |
| Hard coral | 1 | 1 | 2 | 1 | 1 | 1 |
| Dead coral | 0 | 0 | 0 | 0 | 0 | 0 |
| Octocoral (Soft corals and gorgonians) | 0 | 2 | 1 | 2 | 0 | 1 |
| Black coral | 0 | 0 | 0 | 1 | 0 | 0 |
| Dead standing coral | 0 | 0 | 0 | 0 | 0 | 0 |
| Macroalgae | 1 | 0 | 1 | 1 | 0 | 0 |
| Other Benthos (sponges, zoanthids, ascidians and bryozoans) | 2 | 1 | 2 | 1 | 2 | 0 |

Notes:

(1) 0 = 0%, 1 = <5%, 2= 6 -10%, 3 = 11 – 30%, 4 = 31- 50%, 5 = 51 – 75%, 6 = 76 – 100%

Table 4C.2 Coral Species and other Benthos Recorded Along the Survey Transects

| | C1 | C1 | C2 | C2 | C3 | C3 |
|--|---------|------|---------|------|---------|------|
| | Shallow | Deep | Shallow | Deep | Shallow | Deep |
| Hard Coral | | | | | | |
| <i>Bernardpora stutchburyi</i> | 0 | 1 | 3 | 2 | 0 | 0 |
| <i>Cyphastrea serailia</i> | 2 | 0 | 0 | 0 | 0 | 0 |
| <i>Duncanopsammia peltata</i> | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Oulastrea crispata</i> | 0 | 2 | 1 | 1 | 3 | 0 |
| <i>Plesiastrea versipora</i> | 2 | 0 | 1 | 0 | 0 | 0 |
| <i>Psammocora haimiana</i> | 0 | 0 | 1 | 0 | 0 | 3 |
| <i>Psammocora profundacella</i> | 3 | 0 | 0 | 1 | 0 | 3 |
| <i>Leptastrea purpurea</i> | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Porites</i> sp. | 0 | 0 | 3 | 0 | 3 | 0 |
| Ahermatypic Hard Coral | | | | | | |
| <i>Tubastrea/ Dendrophyllia</i> sp. | 0 | 0 | 0 | 2 | 0 | 3 |
| <i>Balanophyllia</i> sp. | 0 | 3 | 0 | 2 | 0 | 1 |
| Octocoral | | | | | | |
| <i>Dendronephthya</i> sp. | 0 | 1 | 0 | 1 | 0 | 3 |
| <i>Echinogorgia</i> sp. | 0 | 0 | 1 | 1 | 0 | 0 |
| <i>Echinomuricea</i> sp. | 0 | 3 | 0 | 2 | 0 | 1 |
| <i>Euplexaura</i> sp. | 0 | 1 | 1 | 1 | 0 | 0 |
| <i>Menella</i> sp. / <i>Paraplexaura</i> sp. | 0 | 3 | 3 | 3 | 0 | 1 |
| Black Coral | | | | | | |
| <i>Antipathes</i> sp. | 0 | 0 | 0 | 1 | 0 | 0 |
| Other Benthos | | | | | | |
| Bryozoans | 4 | 3 | 3 | 3 | 4 | 1 |
| Zoanthids | 0 | 0 | 0 | 0 | 0 | 0 |
| Sponges | 3 | 1 | 3 | 1 | 0 | 0 |
| <i>Spheractis cheungae</i> | 1 | 0 | 0 | 0 | 2 | 2 |
| <i>Nemanthus</i> sp. | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Pennaria</i> sp. | 0 | 1 | 0 | 1 | 0 | 1 |
| Ascidians | 1 | 1 | 1 | 1 | 1 | 0 |
| <i>Cerianthus</i> sp. | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Perna viridis</i> | 1 | 0 | 1 | 0 | 1 | 0 |
| <i>Sabellastarte japonica</i> | 1 | 1 | 0 | 0 | 0 | 0 |
| <i>Amphiroa</i> sp. | 1 | 0 | 1 | 1 | 0 | 0 |
| <i>Corallina</i> sp. | 0 | 0 | 1 | 0 | 0 | 0 |

Notes:

(1) 0=absent, 1=rare, 2=uncommon, 3=common, 4=abundant, 5=dominant

(2) The ranks shown in the Table above indicate the relative abundance of each coral in relation to other corals in the community. In other words, these broad categories rank taxa in terms of relative abundance of individuals, rather than the contribution to benthic cover along each transect. The ranks are subjective assessments of abundance, rather than quantitative counts of each taxon. For instance, if a coral is ranked as 'common', it means it was more frequent than other coral species along the transect. It should be borne in mind that coral cover along all of the transects where corals occurred was very low (<5% cover).

Table 4C.3 Records of Substratum and Ecological Attributes from the Drop Camera Survey

| Survey Location | Substratum Attributes | | | Ecological Attributes | | | | Others Observations |
|-----------------|-----------------------|------|------|-----------------------|------------|-----------|-------------|---------------------|
| | Silty Mud | Sand | Rock | Hard coral | Soft coral | Gorgonian | Black coral | |
| D1 | ✓ | ✓ | - | - | - | ✓ | - | - |
| D2 | ✓ | - | - | - | - | ✓ | - | - |
| D3 | ✓ | ✓ | - | - | - | - | - | Unidentified Worm |
| D4 | - | ✓ | - | - | - | ✓ | - | |
| D5 | - | ✓ | - | - | - | - | - | Unidentified Fish |