

## APPENDIX 1

**Table 8.** Results of linear regressions of each diver's biomass estimation with harvested above-ground biomass (g dry wt. m<sup>-2</sup>) in September 1995 and April 1996.

| Diver          | September 1995 |        |        | April 1996     |       |        |
|----------------|----------------|--------|--------|----------------|-------|--------|
|                | r <sup>2</sup> | F      | p      | r <sup>2</sup> | F     | p      |
| G. Chisholm    | 0.95           | 113.29 | «0.001 | 0.74           | 20.12 | 0.003  |
| R. G. Coles    | 0.92           | 79.59  | «0.001 |                |       |        |
| W.J. Lee Long  | 0.89           | 47.19  | «0.001 | 0.85           | 38.56 | «0.001 |
| P. Leeson      | 0.92           | 70.50  | «0.001 |                |       |        |
| L. J. McKenzie | 0.94           | 104.52 | «0.001 | 0.93           | 90.62 | «0.001 |
| C. Roder       |                |        |        | 0.88           | 53.49 | «0.001 |
| A.J. Roelofs   |                |        |        | 0.91           | 69.72 | «0.001 |
| J. Slater      | 0.84           | 37.96  | «0.001 |                |       |        |

## APPENDIX 2

**Table 9.** Results of 2-way ANOVA for penaeid abundance between sites and years.

| Source of Variation | SS       | DF | MS        | F     | P     |
|---------------------|----------|----|-----------|-------|-------|
| Main Effects        | 670917.7 | 5  | 134183.54 | 4.833 | 0.003 |
| SITE                | 586063.7 | 4  | 146515.93 | 5.277 | 0.003 |
| YEAR                | 52550.01 | 1  | 52550.012 | 1.893 | 0.181 |
| Explained           | 670917.7 | 5  | 134183.54 | 4.833 | 0.003 |
| Residual            | 721846.2 | 26 | 27763.314 |       |       |

**Table 10.** Results of 2-way ANOVA for number of penaeid species between sites and years.

| Source of Variation | SS      | DF | MS     | F      | P     |
|---------------------|---------|----|--------|--------|-------|
| Main Effects        | 101.21  | 5  | 20.242 | 7.16   | 0     |
| SITE                | 11.941  | 4  | 2.985  | 1.056  | 0.398 |
| YEAR                | 75.241  | 1  | 75.241 | 26.613 | 0     |
| Explained           | 101.21  | 5  | 20.242 | 7.16   | 0     |
| Residual            | 73.509  | 26 | 2.827  |        |       |
| Total               | 174.719 | 31 | 5.636  |        |       |

**Table 11.** Results of 2-way ANOVA for number of fish between sites and years.

| Source of Variation | SS       | DF | MS      | F      | P     |
|---------------------|----------|----|---------|--------|-------|
| Main Effects        | 213221.5 | 5  | 42644.3 | 11.325 | 0     |
| SITE                | 210696   | 4  | 52674   | 13.988 | 0     |
| YEAR                | 167.17   | 1  | 167.17  | 0.044  | 0.835 |
| Explained           | 213221.5 | 5  | 42644.3 | 11.325 | 0     |
| Residual            | 97905.01 | 26 | 3765.58 |        |       |
| Total               | 311126.5 | 31 | 10036.3 |        |       |