

Supplementary Table 1

Summary of greater amberjack (*Seriola dumerili*) sites of capture, tagging, and release. Column headings: Fish=fish number, site=artificial reef site where fish were caught and tagged and the type of artificial reef, no. of receivers=number of receivers present at the site during each field effort, site depth, date=date of capture and tagging. Abbreviations: Py1-8=steel or concrete reef pyramid modules, Bt1-3=sunken boats, Bg=sunken barge, Jk=sunken oil rig jacket, FT=sunken fuel tank, Hp=sunken grain hopper. Four fish (D1-D4) died before successful release. D1: fish died at surface on release. D2: fish dead before release. D3: fish died from a propeller injury. D4: fish died of depredation before landing.

| Fish | site | no. of receivers | site depth (m) | date |
|------|------|------------------|----------------|---------|
| 01 | Py1 | 2 | 30.5 | 8/16/18 |
| 02 | Py2 | 1 | 33.2 | 8/16/18 |
| 03 | Py2 | 1 | 33.2 | 8/16/18 |
| 04 | Py3 | 2 | 37.0 | 8/16/18 |
| 05 | Py3 | 2 | 37.0 | 8/16/18 |
| 06 | Py3 | 2 | 37.0 | 8/16/18 |
| 07 | Py3 | 2 | 37.0 | 8/16/18 |
| 08 | Bt1 | 1 | 45.0 | 8/16/18 |
| 09 | Bt1 | 1 | 45.0 | 8/16/18 |
| 10 | Bt1 | 1 | 45.0 | 8/16/18 |
| 11 | Bt1 | 1 | 45.0 | 8/16/18 |
| 12 | FT | 2 | 49.0 | 8/16/18 |
| 13 | Py4 | 2 | 52.4 | 8/17/18 |
| 14 | Py4 | 2 | 52.4 | 8/17/18 |
| 15 | Py4 | 2 | 52.4 | 8/17/18 |
| 16 | Py5 | 2 | 38.0 | 8/17/18 |
| 17 | Py5 | 2 | 38.0 | 8/17/18 |
| 18 | Py5 | 2 | 38.0 | 8/17/18 |
| 19 | Py5 | 2 | 38.0 | 8/17/18 |
| 20 | Py5 | 2 | 38.0 | 8/17/18 |
| 21 | Py2 | 1 | 33.2 | 8/23/18 |
| 22 | Py2 | 1 | 33.2 | 8/23/18 |
| 23 | Py3 | 2 | 37.0 | 8/23/18 |
| 24 | Bg | 2 | 29.1 | 4/30/19 |
| 25 | Bg | 2 | 29.1 | 4/30/19 |
| 26 | Bg | 2 | 29.1 | 4/30/19 |
| 27 | Bg | 2 | 29.1 | 4/30/19 |
| 28 | Jk | 2 | 64.0 | 4/30/19 |
| 29 | Jk | 2 | 64.0 | 4/30/19 |
| 30 | Jk | 2 | 64.0 | 4/30/19 |
| 31 | Jk | 2 | 64.0 | 4/30/19 |
| 32 | Py6 | 1 | 32.3 | 5/13/19 |
| 33 | Py6 | 1 | 32.3 | 5/13/19 |
| 34 | Bt2 | 2 | 32.3 | 5/13/19 |
| 35 | Bt2 | 2 | 32.3 | 5/13/19 |
| 36 | Py7 | 2 | 36.9 | 5/13/19 |
| 37 | Py7 | 2 | 36.9 | 5/13/19 |
| 38 | Jk | 2 | 64.0 | 5/14/19 |
| 39 | Jk | 2 | 64.0 | 5/14/19 |
| 40 | Jk | 2 | 64.0 | 5/14/19 |
| 41 | Jk | 2 | 64.0 | 5/14/19 |
| 42 | Jk | 2 | 64.0 | 5/14/19 |
| 43 | Bg | 2 | 29.1 | 5/14/19 |

Supplementary Table 1 *continued*

| Fish | site | no. of receivers | site depth (m) | date |
|------|------|------------------|----------------|---------|
| 44 | Bg | 2 | 29.1 | 5/14/19 |
| 45 | Bg | 2 | 29.1 | 5/14/19 |
| 47 | Py3 | 1 | 37.0 | 8/17/20 |
| 48 | Py3 | 1 | 37.0 | 8/17/20 |
| 49 | Py3 | 1 | 37.0 | 8/17/20 |
| 50 | Py8 | 1 | 36.1 | 8/17/20 |
| 51 | Py8 | 1 | 36.1 | 8/17/20 |
| 52 | Bt3 | 1 | 34.8 | 8/18/20 |
| 53 | Bt3 | 1 | 34.8 | 8/18/20 |
| 54 | Bt3 | 1 | 34.8 | 8/18/20 |
| 55 | Bt3 | 1 | 34.8 | 8/18/20 |
| 56 | Bt3 | 1 | 34.8 | 8/18/20 |
| 57 | Bt3 | 1 | 34.8 | 8/18/20 |
| 58 | Bt3 | 1 | 34.8 | 8/18/20 |
| 59 | Bt3 | 1 | 34.8 | 8/18/20 |
| 101 | Bt3 | 1 | 34.8 | 8/18/20 |
| 103 | Bt3 | 1 | 34.8 | 8/18/20 |
| 104 | Bt3 | 1 | 34.8 | 8/18/20 |
| 105 | Bt3 | 1 | 34.8 | 8/18/20 |
| 106 | Bt3 | 1 | 34.8 | 8/18/20 |
| 107 | Py5 | 1 | 38.0 | 8/18/20 |
| 108 | Py5 | 1 | 38.0 | 8/18/20 |
| 109 | Py5 | 1 | 38.0 | 8/18/20 |
| 110 | Py5 | 1 | 38.0 | 8/18/20 |
| 111 | Py5 | 1 | 38.0 | 8/18/20 |
| 112 | Py5 | 1 | 38.0 | 8/18/20 |
| 113 | Py5 | 1 | 38.0 | 8/18/20 |
| 114 | Py5 | 1 | 38.0 | 8/18/20 |
| 115 | Py8 | 1 | 36.1 | 8/21/20 |
| 116 | Py8 | 1 | 36.1 | 8/21/20 |
| 117 | Py8 | 1 | 36.1 | 8/21/20 |
| 118 | Hp | 1 | 47.8 | 8/22/20 |
| 119 | Hp | 1 | 47.8 | 8/22/20 |
| 120 | Hp | 1 | 47.8 | 8/22/20 |
| 121 | Hp | 1 | 47.8 | 8/22/20 |
| D1 | Py3 | 1 | 37.0 | 8/23/18 |
| D2 | Py3 | 1 | 37.0 | 8/16/18 |
| D3 | Py3 | 1 | 37.0 | 8/23/18 |
| D4 | Py2 | 1 | 33.2 | 8/16/18 |