**SI Table 4: Constraint matrix for recruitment to each planning unit in the Keppel Islands case study.**

Numerical elements defining the recruitment constraint matrix **T**.Each value shows the number of larvae that need to settle on each reef in the system to ensure persistence if that planning unit is protected.

|  |  |
| --- | --- |
| **Planning unit name** | **Recruitment constraint (# larvae)** |
| *'Bald Rock'* | 460 |
| *'Barren Is'* | 5277 |
| *'Big Peninsula'* | 2234 |
| *'Clam Bay'* | 3030 |
| *'Coconut Point'* | 718 |
| *'Conical Rocks'* | 906 |
| *'Corroboree Is'* | 3786 |
| *'Divided Is'* | 1661 |
| *'Egg Rock'* | 583 |
| *'Halftide Rocks'* | 1407 |
| *'Halfway Is'* | 2143 |
| *'Halfway Is (MPA)'* | 1499 |
| *'Humpy Is'* | 5492 |
| *'Long beach'* | 158 |
| *'Man and Wife'* | 323 |
| *'Miall Is'* | 1767 |
| *'Middle Is'* | 2691 |
| *'Monkey Point'* | 69 |
| *'Monkey Point (MPA)'* | 799 |
| *'North Keppel Is'* | 5758 |
| *'North Keppel Is (East)'* | 7774 |
| *'North Keppel Is (West)'* | 944 |
| *'Outer Rocks'* | 690 |
| *'Passage Rocks'* | 653 |
| *'Pelican Is'* | 1910 |
| *'Pumpkin Is'* | 2269 |
| *'Red Beach'* | 338 |
| *'Shelving Beach'* | 267 |
| *'Shelving Beach (MPA)'* | 75 |
| *'Sloping Is'* | 1028 |
| *'Square Rocks'* | 1011 |
| *'Svenson''s Beach'* | 346 |
| *'Wedge Is'* | 2290 |
| *'Whitfield cove'* | 1409 |
| *'Whitfield cove (MPA)'* | 127 |
| *'Wreck Bay'* | 4176 |