**Table S1.** Description of collection areas and sites

**Collection Area: Researcher’s Path**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| Research 1 | 14.678764 S, 145.450674 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research 2 | 14.679181 S, 145.451268 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research 3 | 14.680024 S, 145.452066 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research 4 | 14.679469 S, 145.453847 E | 4/5, 4/8, 4/9 | BS, SL | Woodland |
| Research 5 | 14.677770 S, 145.453015 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research 6 | 14.674986 S, 145.452659 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research 7 | 14.671709 S, 145.452228 E | 4/5, 4/8, 4/9 | BS, SL, PF | Woodland |
| Research station | 14.678857 S, 145.448284 E | 4/7, 4/8, 4/11, 4/15, 4/16, 4/18, 4/20, 4/22, 4/23 | NC | Buildings and woodland |

**Collection Area: Blue Lagoon (BL)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| BL 1 | 14.679610 S, 145.459237 E | 4/11 | PF, NC | Beach |
| BL 2 | 14.678984 S, 145.459378 E | 4/11 | PF, NC | Woodland |
| BL 3 | 14.678353 S, 145.458785 E | 4/11 | BS, SL, PF, NC | Woodland |
| BL 4 | 14.677911 S, 145.458476 E | 4/11 | BS, SL, PF, NC | Woodland |
| BL 5 | 14.676827 S, 145.457857 E | 4/11 | PF, NC | Dune scrubland |

**Collection Area: Palfrey Island**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| Palfrey 1 | 14.692506 S, 145.444730 E | 4/15, 4/16 | BS, SL, PF | Woodland |
| Palfrey 2 | 14.692869 S, 145.444992 E | 4/15, 4/16 | BS, SL, PF | Grassland |
| Palfrey 3 | 14.692367 S, 145.445366 E | 4/15, 4/16 | BS, SL, PF | Woodland |
| Palfrey 4 | 14.692403 S, 145.445892 E | 4/15, 4/16 | BS, SL, PF | Woodland |
| Palfrey 5 | 14.691768 S, 145.448407 E | 4/15, 4/16 | BS, SL, PF | Woodland |
| Palfrey 6 | 14.689352 S, 145.447950 E | 4/16 | PF | Beach |
| Palfrey lighthouse | 14.692061 S, 145.443228 E | 4/16 | BS, SL | Woodland |

**Collection Area: South Island**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| South 1 | 14.702735 S, 145.456343 E | 4/18, 4/19 | BS, SL, PF | Homogeneous woodland |
| South 1B | 14.702836 S, 145.456119 E | 4/18 | BS | Woodland |
| South 2 | 14.702478 S, 145.455738 E | 4/18, 4/19 | BS, SL, PF | Woodland |
| South 3 | 14.702201 S, 145.454988 E | 4/18, 4/19 | BS, SL, PF | Woodland |
| South 4 | 14.701589 S, 145.453910 E | 4/18, 4/19 | BS, SL, PF | Rocky, grassy area near woodland |
| South 5 | 14.699525 S, 145.452626 E | 4/18, 4/19 | PF | Beach |

**Collection Area: Gulches**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| Gulch 1 | 14.675971 S, 145.469787 E | 4/21, 4/22 | BS, SL, PF | Woodland\* |
| Gulch 2 | 14.676532 S, 145.470674 E | 4/21, 4/22 | BS, SL, PF | Woodland |
| Gulch 3 | 14.675071 S, 145.472831 E | 4/21, 4/22 | BS, SL, PF | Ground vines |
| Gulch 4 | 14.676103 S, 145.473317 E | 4/21, 4/22 | BS, SL, PF | Woodland |
| Gulch 5 | 14.673801 S, 145.475290 E | 4/21, 4/22 | BS, SL, PF, NC | Woodland |

\*All gulch sites except Gulch 1 were located within a few meters of freshwater streams.

**Collection Area: Cook’s Trail**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| Cook 1 | 14.666366 S, 145.463554 E | 4/25 | PF | Sparse woodland\* |
| Cook 2 | 14.663516 S, 145.461738 E | 4/25 | BS, SL, PF | Woodland |
| Cook 3 | 14.661619 S, 145.460617 E | 4/25 | BS, SL, PF, NC | Woodland |
| Cook 4 | 14.660128 S, 145.458962 E | 4/25 | PF | Woodland |
| Cook 5 | 14.656982 S, 145.455737 E | 4/25 | PF | Woodland |
| Mermaid’s Cove | 14.648703 S, 145.45424 E | 4/8 | BS | Woodland |

\*Cook 1 was located in a patch of trees surrounded by grassland.

**Collection Area: Watson’s Bay Mangroves**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Collection Site** | **GPS Coordinates** | **Collection Dates** | **Collection Methods** | **Habitat Type** |
| Mangroves | 14.666208 S, 145.452299 E | 4/14, 4/25 | BS, PF | Mangrove swamp |

BS = beating sheet, SL = sifting litter, PF = pitfall traps, NC = night collection. Opportunistic hand collection was done at all sites.