**Metadata**

1) **Title**: Long Term Reefs Percent Cover from Point Contact

2) **Abstract**:

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| --- | --- | --- |
| **Variate** | **Description** | **SI Units** |
| DATE | Date data collected | NA |
| TIME (in) | Time when dive started (only in 2003 and 2004) |  |
| TIME (out) | Time when dive ended |  |
| OBSERV | Initials of observer (Jada White) | JSW |
| SITE | Location of reefs | NA |
| REEF | Reef # (two representative reefs chosen from each site) | NA |
| PSPSMOO | Porites sp. (Smooth) | # OF POINTS |
| PSPRIDG | Porites sp. (Ridged) | # OF POINTS |
| PSPCOLUM | Porites sp. (Columnar) | # OF POINTS |
| PRUS | Porites rus | # OF POINTS |
| MONTIP | Montipora spp. | # OF POINTS |
| POC | Pocillopora spp. | # OF POINTS |
| ACROP | Acropora spp. | # OF POINTS |
| TURF | Stegastes sp. turf | # OF POINTS |
| TURBINARIA | Turbinaria sp. | # OF POINTS |
| BARE | Bare substrate; including coralline algae | # OF POINTS |
| PIRREG | Porites irregularis? Unidentified branching species of coral common on reefs | # OF POINTS |
| LEPTASTR | Leptastrea spp. | # OF POINTS |
| PAVONA | Pavona cactus | # OF POINTS |
| FUNGIA | Fungia spp. | # OF POINTS |
| MUSSIDAE | Corals from the family Mussidae (difficult to i.d. to genera) | # OF POINTS |
| CAULERPA | Caulerpa spp. | # OF POINTS |
| DICTYOTA | Dictyota spp. | # OF POINTS |
| HALIMEDA | Halimeda spp. | # OF POINTS |
| PADINA | Padina spp. | # OF POINTS |
| CYANO | Various growth forms of cyanobacteria | # OF POINTS |
| GALAXAUR | Galaxaura sp. | # OF POINTS |
| AMANSIA | Amansia rhodantha | # OF POINTS |
| SPONGE | Fleshy grey sponge | # OF POINTS |
| CORALGAE | Coralline algae | # OF POINTS |
| TOTPOINTS | Sum of FPC points measured for that reef | Total # of points |
| NOTES | NOTES | NA |

Reef composition was surveyed on a subset of reefs in 2003, 2004 and 2005. The FPC method was used to determine the major substrate types that occupy each reef. These data are meant to verify Visual Percent Cover (LTR\_VisualPercentCover) estimates at each reef and at each of the 12 sites over the 2003-2012 sampling time period.

3) **Site**: VOW, VIW, VOM, VIM, VOE, VIE, MOE, MIE, TOW, TIW, TOE, TIE

4) **Experiment**: Point contact surveys on each reef

5) **Personnel**

Lead Investigator: Craig Osenberg, Jeff Shima

Principal Contact: Jeff Shima, Craig Osenberg

Other Investigators:

6) **Protocol filename:** LTR\_PointContactProtocol

7) **Keywords**:

8) **Variates (see table above)**

9) **Species filename**

10) **Ongoing or completed? i.e., will you be submitting more data in the future?**

Ongoing