Table S1: Relative abundance of fish species detected in rock pools on Lord Howe Island

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| **Family** | **Species** | **Common name** | **Abundance** |
| Acanthuridae | *Acanthurus triostegus* | Convict surgeonfish | 7 |
| Acanthuridae | *Prionurus microlepidotus* | Sawtail surgeonfish | 3 |
| Apogonidae | *Apogon doederleini* | Four-line cardinalfish | 3 |
| Apogonidae | *Apogon norfolcensis* | Norfolk cardinalfish | 80 |
| Atherinidae | *Atherinomorus sp.* | Hardyhead | 84 |
| Blenniidae | *Cirripectes alboapicalis* | Blenny | 1 |
| Blenniidae | *Cirripectes castaneus* | Chestnut blenny | 5 |
| Blenniidae | *Cirripectes chelomatus* | Blenny | 8 |
| Blenniidae | *Cirripectes sp.* | Blenny | 1 |
| Blenniidae | *Plagiotremus tapeinosoma* | Hit and run blenny | 3 |
| Carangidae | *Carangoides ferdau* | Blue trevally | 2 |
| Chaetodontidae | *Chaetodon auriga* | Threadfin butterflyfish | 1 |
| Chaetodontidae | *Chaetodon flavirostris* | Dusky butterflyfish | 1 |
| Cheilodactylidae | *Cheilodactylus vestitus* | Crested morwong | 1 |
| Gobiesocidae | *Gobiesocidae sp.* | Clingfish | 1 |
| Gobiidae | *Amblygobius phalaena* | Dusky barred goby | 2 |
| Gobiidae | *Eviota guttata* | Whitestriped pygmygoby | 3 |
| Gobiidae | *Eviota hoesei* | Doug's Eviota | 10 |
| Gobiidae | *Eviota sp.* | Dwarf goby | 4 |
| Gobiidae | *Favonigobius lentiginosus* | Eastern long finned goby | 1 |
| Gobiidae | *Istigobius decoratus* | Decorated Sandgoby | 6 |
| Kuhliidae | *Kuhlia mugil* | Barred flagtail | 5 |
| Kyphosidae | *Girella cyanea* | Blue drummer | 191 |
| Labracoglossidae | *Bathystethus cultratus* | Grey Knifefish | 46 |
| Labridae | *Anampses elegans* | Elegans wrasse | 1 |
| Labridae | *Cheilio inermis* | Cigar wrasse | 4 |
| Labridae | *Coris bulbifrons* | Double-header | 7 |
| Labridae | *Halichoeres margaritaceus* | Pearly wrasse | 17 |
| Labridae | *Halichoeres nebulosus* | Clouded wrasse | 1 |
| Labridae | *Halichoeres trimaculatus* | Three-spot wrasse | 12 |
| Labridae | *Pseudolabrus luculentus* | Luculentus wrasse | 30 |
| Labridae | *Stethojulis bandanensis* | Red-spot wrasse | 53 |
| Labridae | *Stethojulis interrupta* | Cut-ribbon wrasse | 4 |
| Labridae | *Stethojulis strigiventer* | Three-ribbon wrasse | 15 |
| Labridae | *Thalassoma amblycephalum* | Two-tone wrasse | 21 |
| Labridae | *Thalassoma jansenii* | Jansens wrasse | 4 |
| Labridae | *Thalassoma lunare* | Moon wrasse | 2 |
| Labridae | *Thalassoma lutescens* | Green moon wrasse | 9 |
| Labridae | *Thalassoma purpureum* | Surge wrasse | 3 |
| Labridae | *Thalassoma trilobatum* | Ladder Wrasse | 6 |
| Mugilidae | *Myxus elongatus* | Sand mullet | 69 |
| Mullidae | *Parupeneus ciliatus* | Diamond-scale goatfish | 2 |
| Mullidae | *Parupeneus spilurus* | Black-spotted goatfish | 23 |
| Muraenidae | *Gymnothorax annasona* | Lord Howe moray | 2 |
| Muraenidae | *Gymnothorax flavimarginatus* | Yellowmargin moray | 6 |
| Muraenidae | *Gymnothorax thrysoideus* | Greyface moray | 1 |
| Pomacentridae | *Abudefduf sexfasciatus* | Scissor tail sergeant | 41 |
| Pomacentridae | *Abudefduf sordidus* | Blackspot sergeant | 22 |
| Pomacentridae | *Abudefduf vaigiensis* | Sergeant major | 28 |
| Pomacentridae | *Amphiprion mccullochi* | McCulloch's anemonefish | 8 |
| Pomacentridae | *Chromis hypsilepis* | One-spot puller | 2 |
| Pomacentridae | *Neoglyphidodon polyacanthus* | Multi-spined damsel | 130 |
| Pomacentridae | *Parma polylepis* | Banded parma | 80 |
| Pomacentridae | *Plectroglyphidodon leucozonus* | White-band damsel | 1 |
| Pomacentridae | *Stegastes fasciolatus* | Pacific gregory | 85 |
| Pomacentridae | *Stegastes gascoynei* | Gold-belly gregory | 5 |
| Scaridae | *Chlorurus sordidus* | Daisy parrotfish | 1 |
| Scaridae | *Leptoscarus vaigiensis* | Marbled parrotfish | 4 |
| Scaridae | *Scarus flavipectoralis* | Yellowfin Parrotfish | 4 |
| Scorpaenidae | *Scorpaena cardinalis* | Red rock cod | 1 |
| Scorpididae | *Microcanthus strigatus* | Stripey | 9 |
| Serranidae | *Acanthistius cinctus* | Yellow-banded wirrah | 3 |
| Serranidae | *Epinephelus daemelii* | Black rockcod | 1 |
| Serranidae | *Trachypoma macracanthus* | Strawberry cod | 5 |
| Tripterygiidae | *Enneapterygius howensis* | Lord Howe Threefin | 28 |
|  |  | Total | 1219 |