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TEAM BACKGROUND

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OUR PRIMARY METHOD: CORAL POT



ntroduction

CORAL LOGS

- Each coral log holds five coral pots.
- Surface complexity from coral rubble and larger surface area allows natural coral recruits & other sessile invertebrates to settle.
- Compact profile of the logs reduces sedimentation while allowing enough surface area for colonies to grow.
- Metal rebar on both ends ease relocation of units.
- Sustainable Log-Pot system allows for easy maintenance and replacement of unsuccessful coral fragments

Mobile Reuseable Secure substrate ntroduction

OUR IMPACT



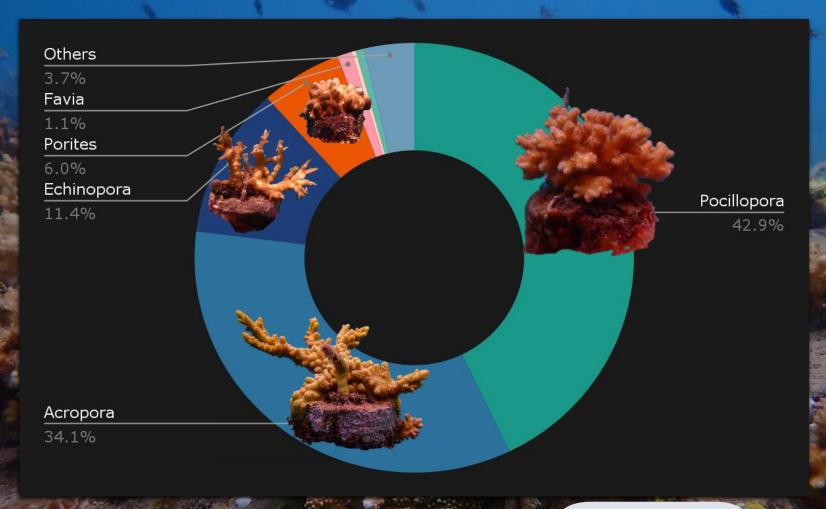
6 Introduction



Constant improvement of techniques has increased coral survivorship from 40% in 2019.

Reef Care Data

CORAL SPECIES COMPOSITION



Reef Care Data

SPECIES LIST 🖾

Veron J.E.N., Stafford-Smith M.G., Turak E. and DeVantier L.M. (2016). **Corals of the World**. http://www.coralsoftheworld.org/page/home/

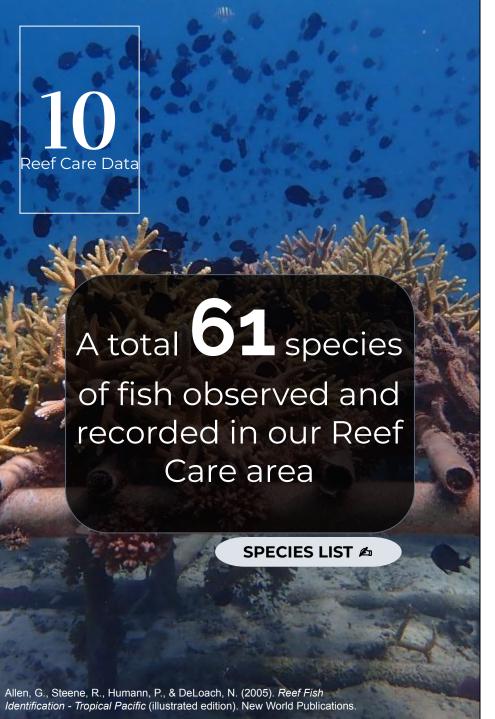
More than At least 3

Natural Coral Recruits

Juvenile clam, Tridacna sp.

The increased surface complexity serves a better substrate for corals & other invertebrates to attach to.

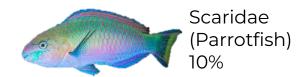




Fish Diversity in Alunan House Reef









Serranidae (Grouper) 5%

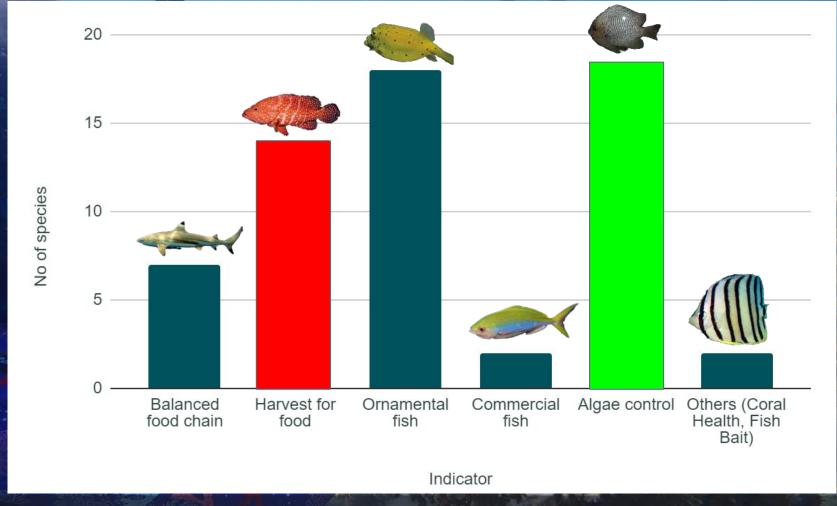


Nemipteridae (Bream) 5%



Muraenidae (Moray eel) 5%

Reef Care Data



Graph above shows indicator key for each species in our Reef Care area. Algae controller (green bar) such as damselfish and parrotfish plays an important role to prevent algal overgrowth that outcompete corals. Species like grouper and snapper are in the harvest for food (red bar) category as they are amongst the most valuable fish for locals to feed or to sell as seafood products. This indicates that the coral nursery has been able to provide shelter & food source for these two important indicator groups.

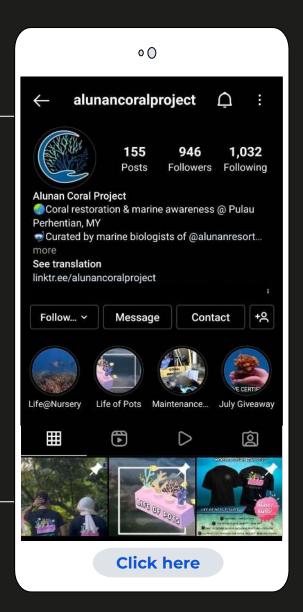
Iconic species around Alunan Nursery





Instagram account

Reduces the gap between conservation & people through direct interaction as well as live updates



14 Awareness

Merchandise for Conservation

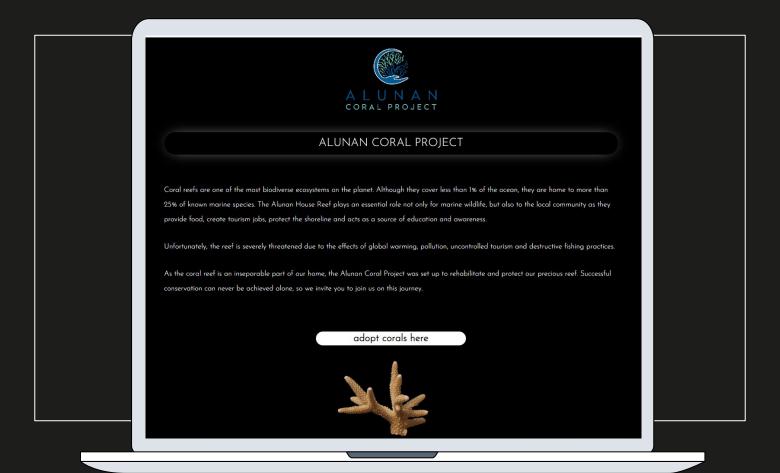
Through e-commerce platform (Lazada), we managed to raise fund for our restoration work aside from visitors on the island.



Website Page

A page dedicated to Alunan Coral Project is set up to increase awareness of visitors/potential participants before they come to the island.

Our reports are also made available for public to access.



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Awareness

Click here

APPENDIX

List of coral species



Genus	Common name
Acropora	Staghorn coral, table coral
Pocillopora	Cauliflower coral
Echinopora	Hedgehog coral
Porites	Boulder coral
Favia	Knob coral
Favites	Star coral
Platygyra	Lesser valley coral
Hydnophora	Spine coral
Gardineroseris	Honeycomb coral
Galaxea	Octopus coral
Symphyllia	Sinuous cup coral
Polyphyllia	Joker's boomerang coral



Genus	Common name
Lobophytum	Cabbage leather coral
Psammacora	Cat's paw coral
Pavona	Cactus coral
Millepora	Fire coral
Sinularia	Finger leather coral



List of Fish Species



Family	Species
Carcharhinidae (Requiem Sharks)	Carcharhinus melanopterus
Scyliorhinidae (Catsharks)	Atelomycterus marmoratus
Hemiscyllidae (Bamboosharks)	Chiloscyllium griseum
Dasyatidae (Whiptail Stingrays)	Taeniura lymma
Myliobatidae (Eagle Rays)	Aetobatus narinari
Labridae (Wrasses)	Thalassoma lunare
	Hemigymnus melapterus
	Cheilinus chlorourus
	Cheilinus trilobatus
	Halichoeres chloropterus
	Halichoeres hortulanus
	Diproctacanthus xanthurus
	Labroides dimidiatus



Family	Species
Caesionidae (Fusiliers)	Caesio teres
	Caesio caerulaurea
	Scarus rivulatus
	Scarus oviceps
	Scarus ghobban
	Scarus quoyi
	Scarus prasiognathos
	Bolbometopon muricatum
	Siganus guttatus
	Siganus virgatus

Family	Species
Pomacentridae (Damselfishes and Anemonefishes)	Amphirion clarkii
	Amphirion ocellaris
	Neopomacentrus cyanomos
	Pomacentrus moluccensis
	Pomacentrus bankanensis
	Pomacentrus simsiang
	Neogyphidodon carlsoni
	Abudefduf sexfasciatus
	Abudefduf sordidus
	Abudefduf bengalensis
	Chromis caudalis
	Dischitodus melanotus
Chaetodontidae (Butterflyfishes)	Chaetodon octofasciatus

Family	Species
Serranidae (Groupers)	Epinephelius fasciatus
	Plectropomus maculatus
	Cephalopholis boenak
	Diploprion bifasciatum
Nemipteridae (Threadfin and Monocle Breams)	Scolopsis margatifera
	Scolopsis vosmeri
	Scolopsis bilineatus
Lutjanidae (Snappers)	Lutjanus ehrenbergii
	Lutjanus decussatus
Blenniidae (Blennies)	Petroscirtes xestus
Gobiidae (Gobies)	Istigobius decorates
Ephippidae (Spadefishes or Batfishes)	Platax sp.
Pomacanthidae (Angelfishes)	Pomacanthus annularis



Family	Species
Pempheridae (Sweepers)	Pempheris adusta
Mullidae (Goatfishes)	Upeneus tragula
Tetraodontidae (Puffers)	Arothron mappa
Ostraciidae (Boxfishes)	Ostracion cubicus
Balistidae (Triggerfishes)	Balistoides viridescens
	Pseudobalistes flavimarginatus
Muraenidae (Moray Eels)	Echidna nebulosa
	Gymnothorax thyrsoideus
	Gymnothorax favagineus
Synanceiidae (Stonefishes)	Inimicus didactylus
Scorpaenidae (Scorpionfishes)	Pterois volitans
	Scorpaenopsis sp.
Holocentridae (Soldierfishes)	Sargocentron rubrum

END OF REPORT Contact: 019-5712018 (Ms. Aimi)