



GAIA ONE CORAL RESTORATION PROJECT

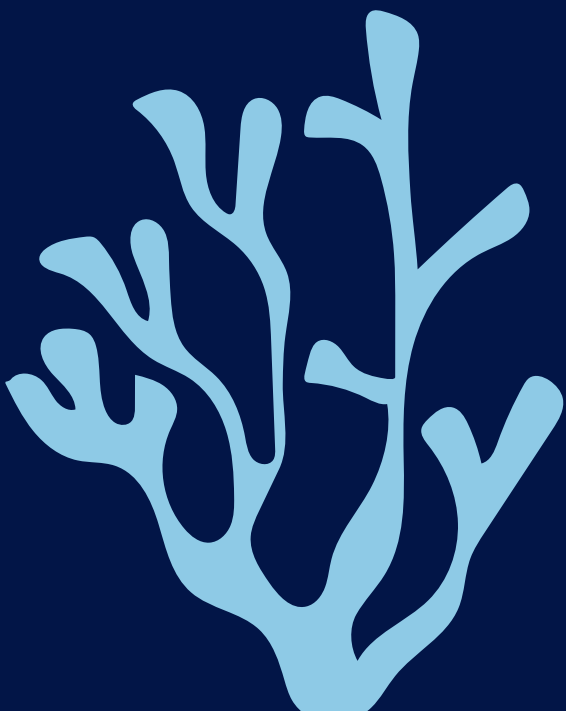
Report 2
1st October - 31st Dec
2021



OCEAN GARDENER

TEVANA HOUSE REEF NURSERY

Tevana House Reef, Jalan Pantai Bara
Tanjung Bira, Bonto Bahari, Bulukumba (92571)
South Sulawesi, Indonesia.
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STRUCTURE

- 10 Dome shaped artificial structures made with steel and concrete subsequently seeded with coral fragments.
- 5 Hexagons Spiders made with steel with the design suitable for sloping reefs

PROJECT UPDATE

- The corals planted on the pods belong to the genus: *Acropora*, *Porites*, *Montipora*, and *isopora* and *pocillopora*

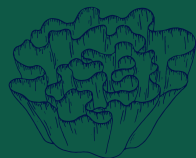
- Actively cleaned the structures from sponges every 3 times a week.
- Noticed that some corals were more resistant to other and decided to replace some sick coral and with the genus which are more resistant
- There's still coral threats of Sponges growing and some coral disease
- Kara and Tortelluna start to get used to seeing us working and not too scared anymore.
- In November the Founder of Ocean Gardener (Vincent Chalis) visited Bira to kickstart the nurseries in Liukang Island and Dego Dego



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STRUCTURE

- Rope Technique using standard rope to create the nurseries.
- Wooden sticks are hammered into the sand (2m x 1m) and 5-10 corals are attached along the rope

PROJECT UPDATE

- Exciting news! 2 new Nurseries started in Liukang Island and Deگو Deگو



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- We were able to get the head Village of Liukang Island and the Owner of Deگو Deگو to collaborate and to start coral nurseries
- Collaborating and getting the local community involved has always been our goal to ensure that the maintenance work is sustainable and continues!



RESIDENT TURTLES

Currently we have identified 4 resident turtles which are always at the House Reef (however due to their shy nature we were only able to document and ID 2 - Tortelluna (Left Frame) and Kara (Right Frame).

Both Tortelluna and Kara are female green sea turtles. Their diet consists mostly of seagrass and jellyfish.

Each turtle has a unique face marking and this is how we are able to differentiate between them.

Sea Turtles are one of the most endangered marine animals and are facing near extinction as a result of human activity. It is said that now only 1 in 10,000 eggs survive and to see a full grown sea turtle in the ocean is considered a modern day miracle.

By protecting our coral reefs in Bira, we are able to protect and provide shelter for these endangered beautiful creatures. We hope you continue to support our restoration efforts and be part of the much needed solution.

