









Key elements needed to ensure successful breeding habitat – overall it is crucial to ensure that water quality is optimised and they are receiving quality nutrition:

- These corals are non-photosynthetic, therefore they don't require light to grow.

 Hence they obtain all of their energy by feeding on phytoplankton and zooplankton.

 Aquarists feed throughout the day with the aim of always having food flowing past the coral polyps so they can capture their prey. Some food is a mix of algae species that are produced for shellfish farms or special formulations designed to float in the water columns.
- The Cauliflower corals retract when touched or moved so we try to limit this and clean around them as any retraction can compromise feeding efficiency. All tanks are cleaned daily through siphoning of settled waste and gentle scrubbing to remove excess bacteria build-up.
- Cauliflower coral systems will run mostly on flow-through or natural harbour water. In the
 event of heavy rains, the system can be closed where UV and Protein Skimmers will be used
 to remove excess waste and keep nutrients from building up.
- The systems are kept at 18°C.



Recent Project Success

The partners have been working to establish a recovery program for one of Australia's most fragile species - the Cauliflower Soft Coral. This follows the selection of the coral as one of the 100 priority species for the Australian Government's Threatened Species Strategy in 2021.

The project, supported by the Commonwealth Environment Restoration Fund and NSW Environmental Trust, has achieved significant scientific discoveries within its first year, as the team proved the long-term viability of cloned coral in an aquarium setting.

The development of aquarium rearing methods has led to the species' re-introduction, with 200 cuttings returned to the waters of Port Stephens and Sydney Harbour at the end of March.

This week, divers from SEA LIFE Sydney Aquarium conducted a health-check on the corals placed in Sydney Harbour and determined an 82% success rate for the re-planted coral - with 65% found to be very healthy and a further 17% found to be alive, but in need of some extra care.

To watch this release view video here https://www.visitsealife.com/sydney/conservation/local-conservation-projects/cauliflower-coral-conservation-project/



