

Memo coral survey shoreline Megapier I

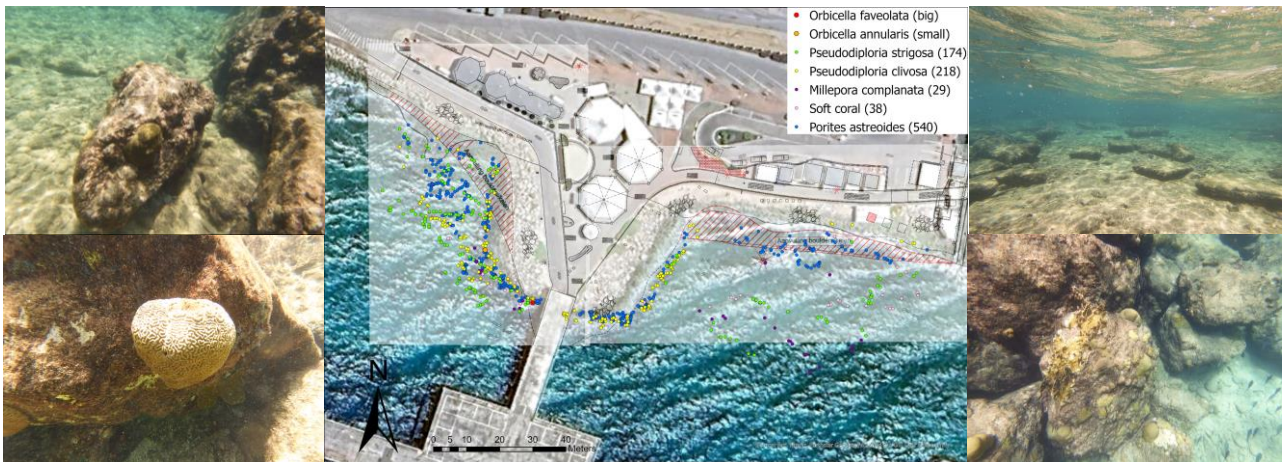
Curaçao, 2023

Client info:

Name: Curaçao Ports Authority (CPA)

Sector: Transportation

Location: Curaçao



Rationale: Curaçao Ports Authority (CPA) in 2023 is in the planning stages of a revetment repair project for the existing coastal protection infrastructure at Megapier I. At the request of CPA, EcoVision conducted a coral survey at the revetment of Megapier I. This survey is intended to provide support for CPA's permit and exemptions procedure related to the repair project.

Approach: An underwater survey was carried out along Megapier I to evaluate the presence of corals, with colonies exceeding 10 cm in diameter being marked using a handheld GPS. All corals species were tagged during the survey and analysed if any critically endangered species listed in the IUCN-Red List and SPAW-protocol Annex II were present in the footprint. Collected GPS data was then analysed in ArcGIS Pro to generate overview of the coral distribution in relation to the revetment repair plans for Megapier I. Recommendations were provided on mitigating actions to prevent/reduce damage to corals.

Outcome: The report of this survey is used by the client as a supporting document for the exemption and permitting procedure for the repair of the revetment.