

Investigation brine discharge into Zakito lagoon.

Curaçao, 2018

Client info:



Name: Aqualectra

Sector: Power/Utility

Location: Curaçao

Aqualectra is Curaçao's utility company responsible for the production and distribution of power and water as well as the delivery of accompanying services.



Rationale: Due to operational changes at the Mundo Nobo water desalination plant, Aqualectra requested EcoVision to perform salinity measurements in the Zakito lagoon and adjacent parts of the sea and coral reefs.

Approach: EcoVision performed a brief assessment of the flora and fauna of the mangroves and the nearby reef. Salinity profiles and time series were produced with a conductivity-temperature-depth (CTD) meter in the lagoon and at sea.

Outcome: A report was submitted indicating the brine distribution in the Aqualectra outflow channel, the Zakito lagoon and at sea. Recommendations were given to prevent critical values which may impact the reef.