



Conversion of a Hypersaline Salt Pond into a Functional Marine Habitat

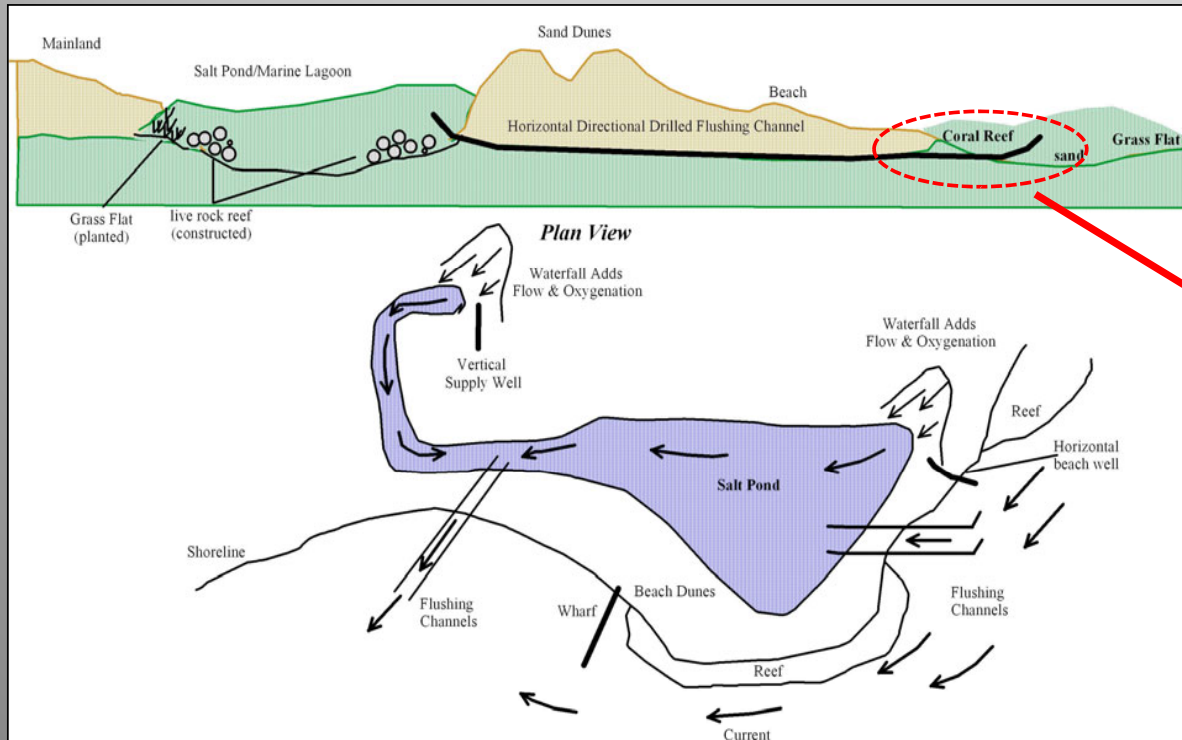


Salt Pond Prior to Flushing Channel Construction



Post-Construction of Flushing Channels – Functional Marine Habitat

Our company has performed a multitude of mapping and hydrologic data analysis projects dealing with coastal hypersaline salt ponds in the Caribbean. The ultimate goal of these projects is to fully convert the anoxic ponds into functional marine habitats that are both aesthetically pleasing and biologically productive. The example shown here is on the island of Anguilla, BWI. Comprehensive geophysical mapping enabled the correct placement of several underground flushing channels that connected the pond to the offshore environment, utilizing tidal flux to flush the system and lower salinities to normal marine levels. Live reef habitat was constructed within the pond, as well as grass flats and additional mangroves.



Flushing Channel Design and Habitat Construction Schematic

