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Modeling Sea Level Rise Scenarios in the Cayman Islands

ABSTRACT

The Cayman Islands are at risk from the impacts of climate change and sea level rise, largely because of their economic and environmental dependence on coastal zones. Sea level rise is projected to increase rates of coastal erosion and loss of land.

Using GIS, the Cayman Islands Lands & Survey Department has modeled various sea level rise scenarios in order to identify if, and to what extent, critical infrastructure, buildings, roads, and land mass will be affected.

This information is an extremely valuable resource that can contribute to the development of policies and programs that promote sustainable development in the Cayman Islands.

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