

Grand Anse Watershed Partnership

Flooding and Drainage Management in a Marine Protected Area



Challenge

Grenada is highly vulnerable to the impacts of climate change, in particular with regard to the water sector. The island experienced two major drought events in recent years (2010 and 2012) and a number of extended dry spells, which significantly affected the water and agricultural sectors. All major climate change scenarios indicate that rainfall across the island would decline during future seasons. Coupled with insufficient water storage capacities and pollution problems, water shortages are predicted to become a severe human and economic development obstacle for the island.

The Grenada Water Stakeholder Platform (G-WaSP) has been set up an umbrella partnership, bringing together all key public, private and community stakeholders in Grenada regarding water resources management, water risk and water pollution.

G-WaSP is the Grenada arm of the global International Water Stewardship Programme (IWASP), which is implemented by the German Agency for International Co-operation (GIZ) on global level.

The Grand Anse Partnership

G-WaSP began developing partnership projects in Grenada in June 2015, and identified the problem of frequent flooding in Grand Anse after heavy showers, particularly in the hotel and shopping mall area. The broken drainage outlet towards Grand Anse Beach exacerbates the current situation as it is often blocked with sand and silt due to its dilapidated state. Since there is also sewage pumping station in the same area, there is a serious health threat for the community, customers and tourists due to the frequent flooding.



Derelict South Drainage of Grand Anse (2016)



Implemented by:



Approach and Objective

The main goal of the Grand Anse Watershed Partnership (est. Dec 2016) is to decrease the impacts of the frequent flooding after heavy rainfall events through the implementation of a sustainable drainage system in this area. Ideally drains should be maintained several times a week. The key is a responsive system that has monitoring mechanism and is proactive rather than reactive.

This will be achieved through the Grand Anse Watershed Partnership with the support from G-WaSP. This watershed-wide approach based on the following pillars:

- Improved communication and structured cooperation among stakeholders (hotels, businesses and Ministry of Works).
- Improved outlet infrastructure at south beach outlet, and if possible – subject to availability of IWaSP and private sector funds – improvements in the drainage canal. Both interventions will allow a more reliable and faster drainage of area.
- Agreement on maintenance schedule for the outlet – private partners take more responsibility for maintenance.
- Improved public access and safety for community, customers and tourists in the area and at the beach.

Next Steps, Outlook and Major Challenges

After various discussions with private, civil society, and public stakeholders including: hotels construction companies, government entities and representatives from a World Bank project, a Rapid Feasibility Assessment was done and an action plan for the proposed implementations has been developed.

- The partnership will soon facilitate the commencement of the installation of mechanisms to improve the drainage of flood water.
- The surrounding community will be engaged in aspects of waste management.
- The partnership will work to develop a maintenance plan for the drainage area leading to the sea outfall.

Expected costs and cost allocation: approx. 100'000 Euro (in phases). Expected private share at least 50%.



Drainage ditch, showing blocked sea outfall which prevents the flow of storm water. (2017)

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Government of Grenada

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GIZ

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