



> Quelles modalités d'intervention sur les plages ?

La mise en œuvre de Solutions Fondées sur la Nature : protection et restauration de mangroves

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Association ADD



Association pour le
Développement Durable®

ADD Mangrove protection and restoration

Voilà Hotel, Bagatelle Mall, Mauritius

07 May 2025

Mangrove coverage over Mauritius

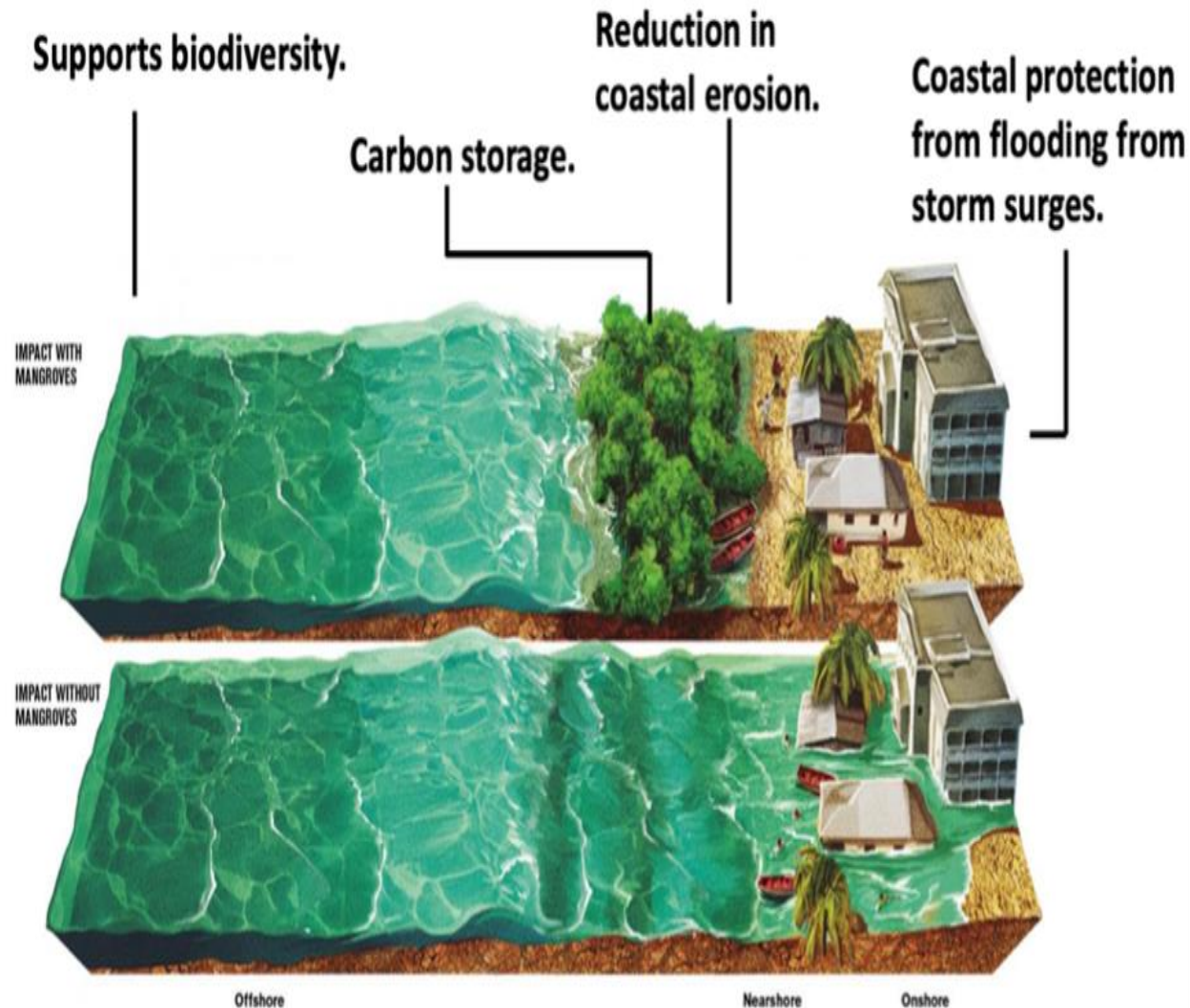
- Before human settlement, mangroves widespread along the coast– 2000 ha.
- On inhabitation - Gradual clearing for coastal infrastructure development and human settlement, agriculture and perception as a source for proliferation of mosquitoes
- In 1980 – only 45 ha.
- Mangrove restoration (13 ha.) as from 1995 by the then Ministry of Fisheries up to May 2004
- In 2007 – 145 ha.
- NGOs took over the restoration programme and ADD as from 2008
- In 2016 – 180 ha.
- Now estimated to be 240 ha.

Mangrove Goods and services

- Breeding and nursery grounds for fish, shrimps and crabs
- Prevent land-based soil and debris from drifting towards the sea, hence protect coral reefs
- Source of food, when the leaves and litter get decomposed for fish, shrimps and crabs
- Absorb carbon 5 times more than terrestrial forest, contributing effectively to CC mitigation

One key benefit – Coastal protection

Physical barrier
against strong waves
thus protecting the
coast
from erosion



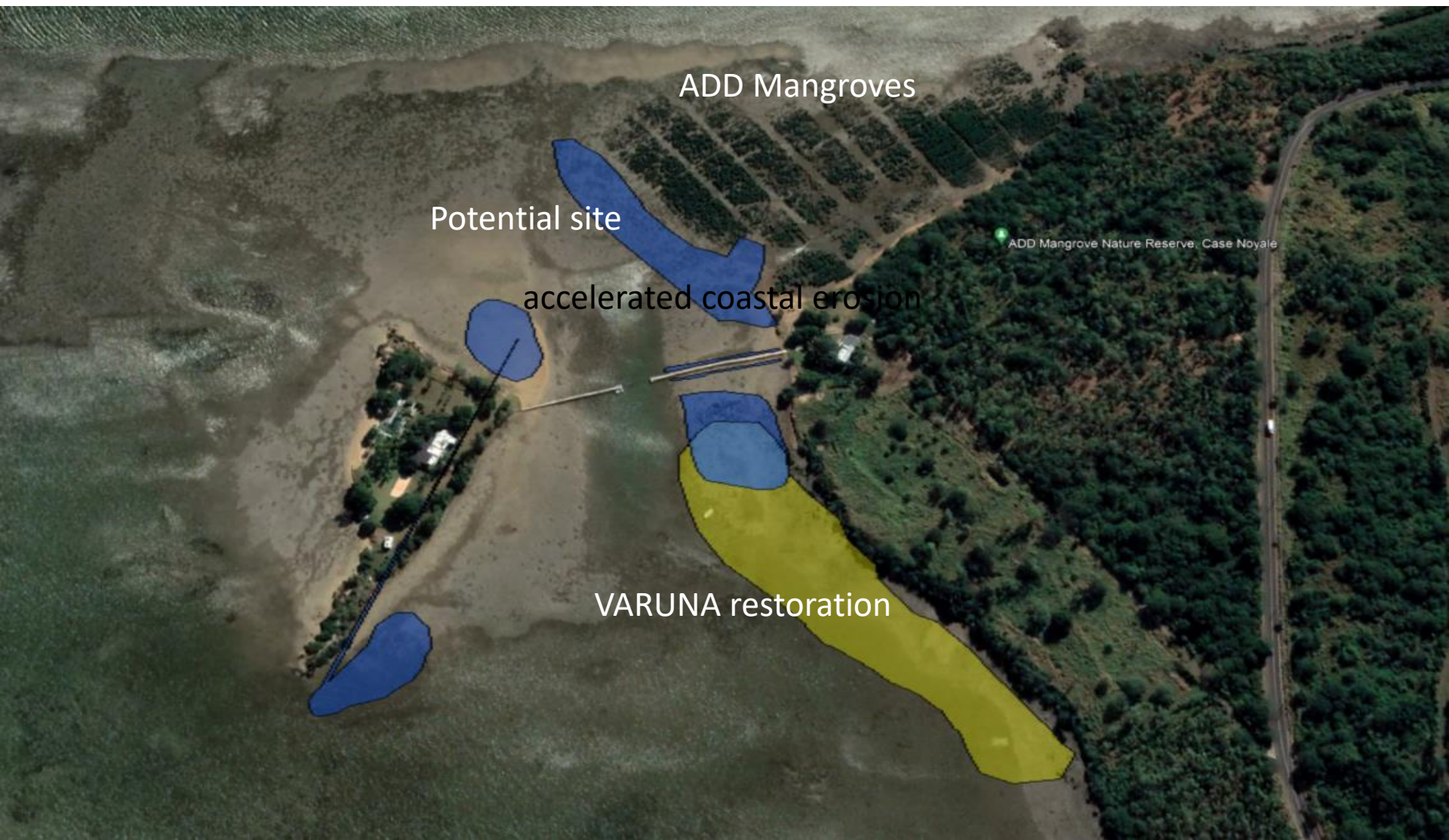
ADD mangrove restoration sites since 2008



Quatre Soeurs and Deux Frères - About 20 000 seedlings restored in 2012



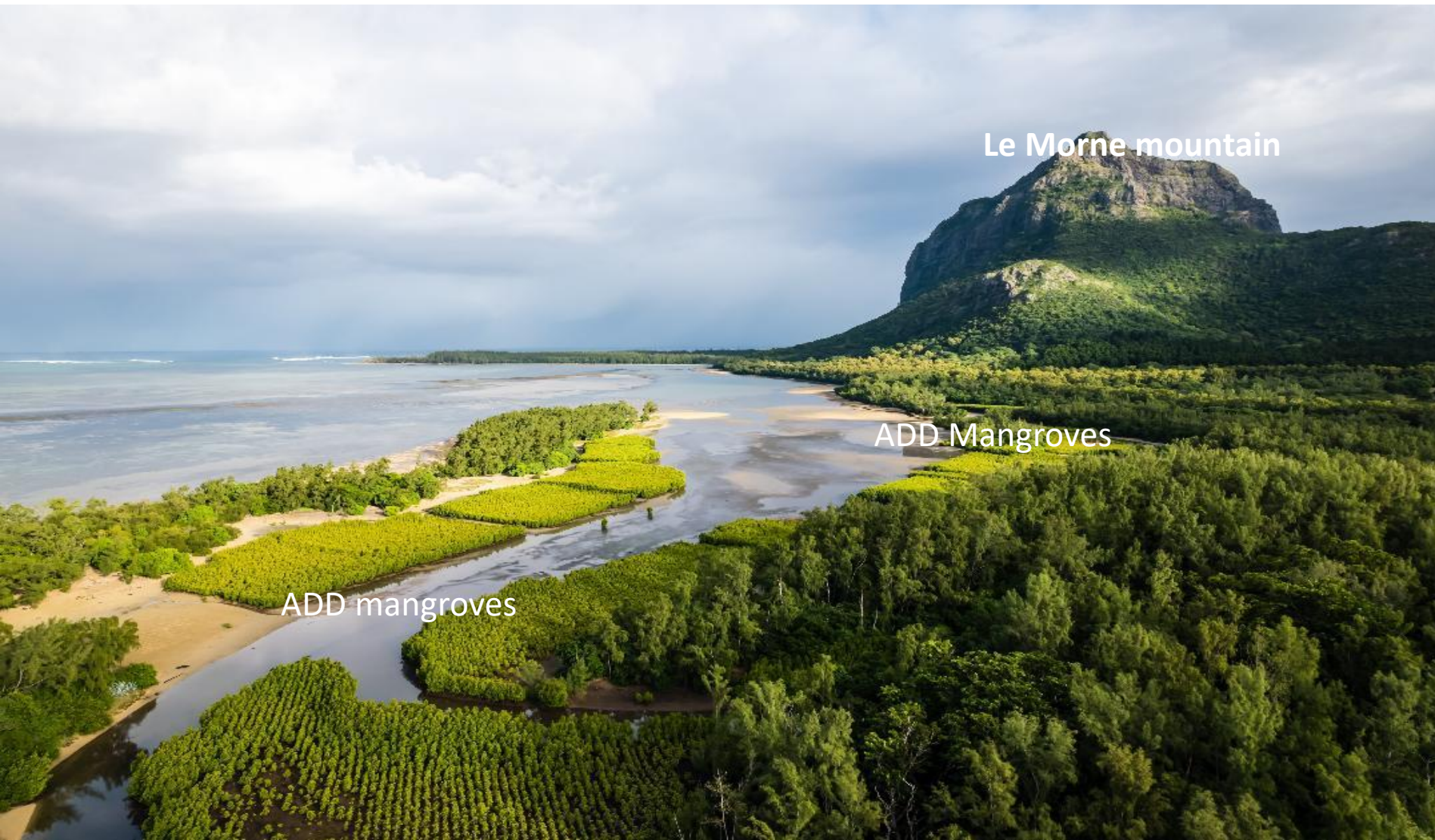
Case Noyale - about 30 000 seedlings restored in 2012/2013



Coteau Raffin new plantation in 2023 with Ile aux Benitiers in the background



ADD Le Morne plantation (2008 to 2024 – 7 ha.) – The greatest mangrove restoration programme



Rhizophora mucronata and Bruguiera gymnorhiza side by side at Le Morne



Rhizophora mucronata

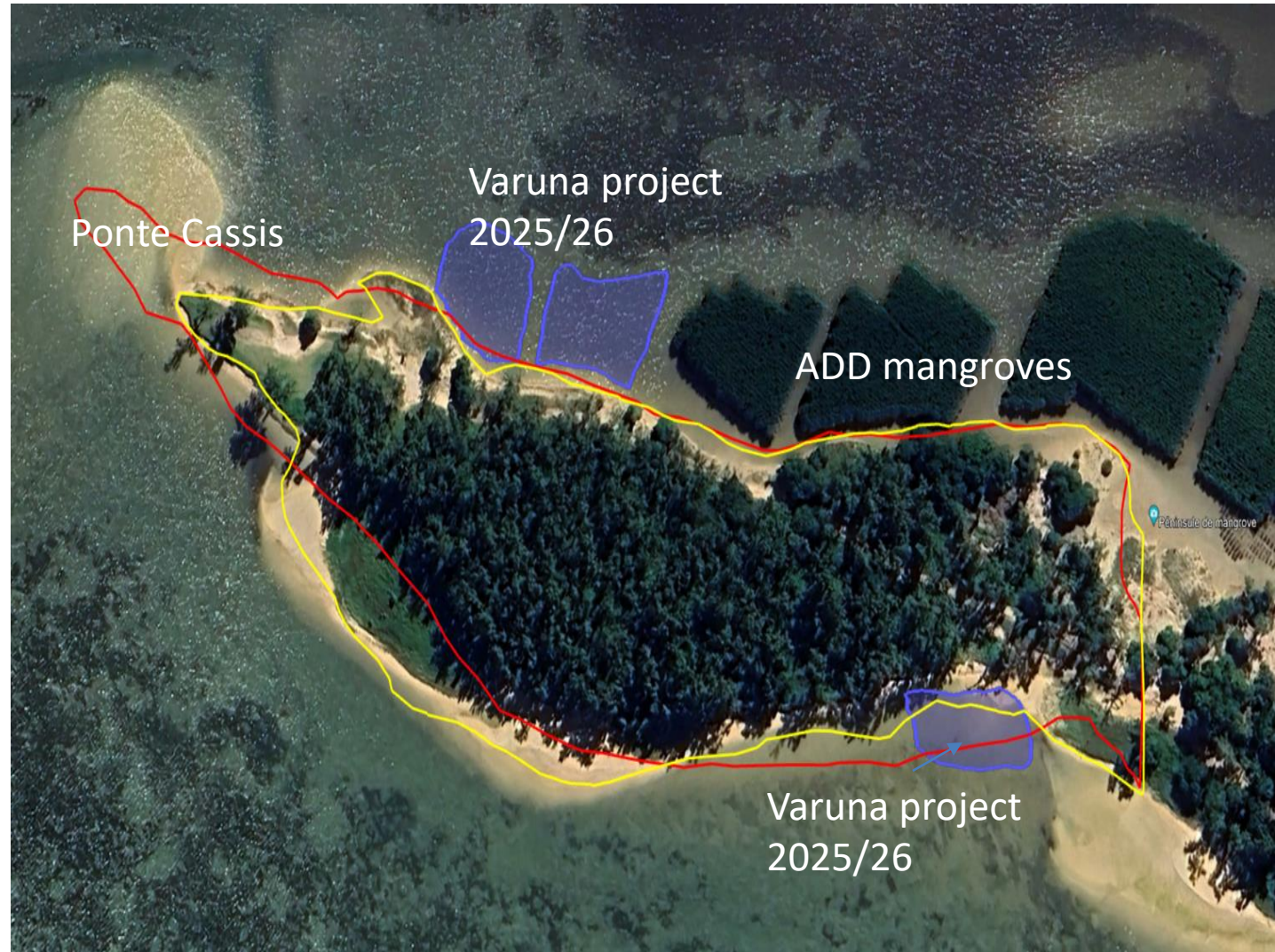
Bruguiera gymnorhiza

Le Morne (Pointe Cassis): Changes from 2003 to 2024

Red Line : shore
line in 2003

Yellow line: shore
line in 2024

Not much change
in shoreline where
mangroves planted



Varuna project - Restauration des écosystèmes à Carbone Bleu (May 2024- April 2026)

Le Morne – protecting an eroded site



Case Noyale



Mangrove destruction

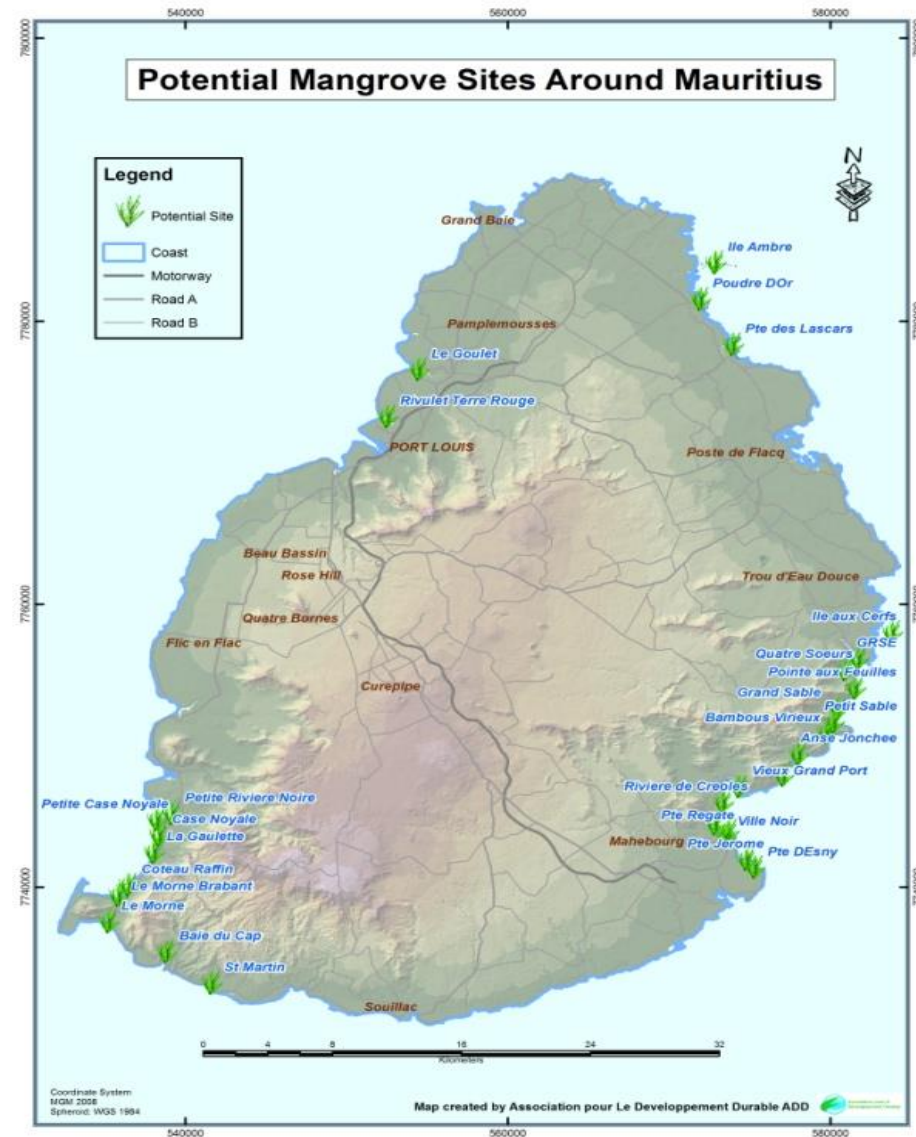
Anse Jonchée



Bambous Virieux



Location/area of potential sites for mangrove restoration using aerial images and ground truthing



	Locality	Extent (m ²)
	Islandwide	750 000 (75 ha)
1	Petite Case Noyale	83 767
2	La Gaulette	66 869
3	Vieux Grand Port	53 035
4	Poudre d'Or	44 592
5	Case Noyale	38 220

**Updating of Potential Areas for mangrove restoration in the SE
using remote sensing – aerial photos and drone images and
ground truthing by ADD and UdM**

Region	Potential reforestation area (in m²)
Anse Jonchée	59,657 ± 5%
Old Grand Port	54,607 ± 5%
Bambous Virieux	29,471 ± 5%
Petit Sable	14,703 ± 5%
Bois des Amourettes	6,451 ± 5%
Rivière des Créoles	3,426 ± 5%
Total	168,315 ± 5% (16 ha)

Awareness raising for mangrove protection

Local community before implementation



Schools



Private sector-MCB Forward Foundation at Le Morne



Clean- up during WMDay on 26 July



Thank you