

# BEACH & SHORELINE STABILITY

- Avoid undermining natural beaches/shorelines or creating vulnerable man-made ones.
- Protect beaches and vulnerable shorelines with natural defences where practical.
- Allow for natural adjustments in beaches/shorelines as sea level rises, unless it would pose danger or result in too significant a loss.

Sea level rise, stronger hurricanes and storm surges causing:

- Increased beach erosion and shrinkage;
- Shoreline erosion and increased flood risk to low-lying coastal areas.

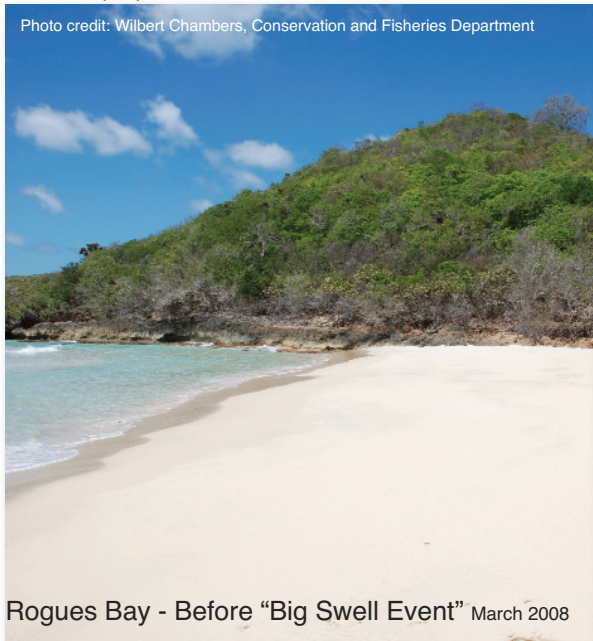


- Develop and implement beach management plans. (PA)
- Increase beach monitoring activities. (PA)
- Increase fines for violations of the Beach Protection Ordinance. (PA)
- Improve and strictly enforce planning and building laws/regulations, especially increasing coastal development setbacks. (PA)
- Educate construction industry about environmentally-friendly practices for the coast. (PA)
- Encourage (through incentives, ideas) “soft” versus “hard” developments along beaches/vulnerable shorelines. (PA)
- Increase protection and restoration of shallow coastal reefs that act as coastal defences. (PA)
- Strongly protect all remaining significant mangrove forests. (PA)



- Invest in “soft” protective measures (such as mangroves) along vulnerable shorelines. (PA)
- If necessary, invest in “hard” engineering structures along vulnerable shorelines. (LRA)
- Beach re-nourishment (mechanically replace beach sand that has eroded). (LRA)
- Where practical, elevate critical, undeveloped, low-lying shorelines to buffer them from erosion/flooding resulting from sea level rise. (LRA)

Photo credit: Wilbert Chambers, Conservation and Fisheries Department



Rogues Bay - Before “Big Swell Event” March 2008

Photo credit: Shannon Gore, Conservation and Fisheries Department



After