SEA LEVEL RISE IMPACT (COASTAL DETAIL)

The Municipality of the District of Barrington

Legend

- Mean Sea Level Today - 2.94m
- Mean Sea Level + Expected Rise/Subsidance - 4.34m
- High Tide + Expected Rise/Subsidance - 6.10m
- High Tide + Expected Rise/Subsidance+ Storm Surge - 8.10m

Sea Level Rise Values

- Mean Sea Level Today - 2.94 m
- Maximum High Tide Today – 4.7 m
- Expect Sea Level Rise over next century - 1.40 m (accounts for subsidence of 10cm/century)
- Storm Surge - 2 m (highest surge in recorded history, 1869 Saxby Gale)

NOTE: LIMITED ELEVATION DATA
Elevation data derived from Nova Scotia 1:10,000 digital topographic mapping series.
Due to generality of the data assumptions in elevations have been made.

Source Data

- Department of Fisheries and Oceans Tidal Station #365 (Yarmouth) Data
- Coastal Sensitivity to Sea-Level Rise, The Atlas of Canada
- The State of Nova Scotia's Coast Technical Report, 2009.
- Water Modeler: A Component of a Coastal Zone Descision Support System to Generate Flood Risk Maps from Storm Surge Events and Sea Level Rise, Geomatica 2008

800m 400 0 0.5 1 1.5 km
CONTOUR INTERVAL 5 METRES

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