
BAPE-14.1

Référence:

14.1 Les processus littoraux

Demande ou Question:

14.1 Concernant le niveau relatif de la mer à Cacouna, quelles sont les tendances historiques ? Quelles sont les prévisions et sur quelles hypothèses sont-elles fondées ?

Réponse:

Cacouna Energy did not undertake a comprehensive survey of historical trends in sea level or of sea-level forecast scenarios.

For designing the marine structures conservatively against wave and ice effects, in addition to the extreme high water levels reported by the Canadian Hydrographic Service, we have allowed for a 0.2 m rise in the sea level to accommodate global warming trends.

The 0.2 m rise is the projected rise in sea water level in the next 30 to 60 years suggested by the United Nations' Intergovernmental Panel on Climate Change. Since Gros-Cacouna is situated in the St. Lawrence estuary, the water levels at Gros-Cacouna are governed by ocean water levels, so that as sea levels rise as a result of global warming then the waters in the St Lawrence estuary, and hence at Gros-Cacouna, will also rise.

