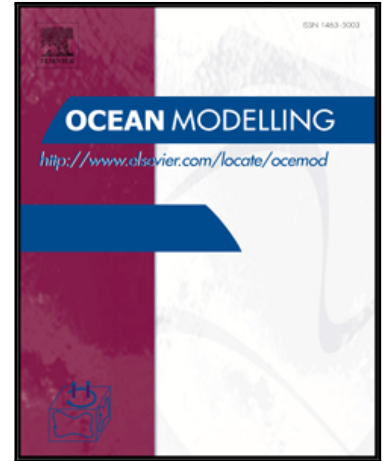


Accepted Manuscript

The impact of climate change on the wave climate in the Gulf of St. Lawrence

Lei Wang , Will Perrie , Zhenxia Long , Maryna Blokhina ,
Guosheng Zhang , Bash Toulany , Minghong Zhang

PII: S1463-5003(18)30226-9
DOI: [10.1016/j.ocemod.2018.06.003](https://doi.org/10.1016/j.ocemod.2018.06.003)
Reference: OCEMOD 1312



To appear in: *Ocean Modelling*

Received date: 19 May 2017
Revised date: 15 June 2018
Accepted date: 26 June 2018

Please cite this article as: Lei Wang , Will Perrie , Zhenxia Long , Maryna Blokhina ,
Guosheng Zhang , Bash Toulany , Minghong Zhang , The impact of climate change on the wave
climate in the Gulf of St. Lawrence, *Ocean Modelling* (2018), doi: [10.1016/j.ocemod.2018.06.003](https://doi.org/10.1016/j.ocemod.2018.06.003)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 Highlights

2
3
4
5
6
7

- Ocean waves in the Gulf of St. Lawrence are simulated with WAVEWATCHIII wave model.
- Winds to drive the wave model are obtained by downscaling IPCC climate scenario.
- Climate change will tend to alter storms and reduce winds that drive the wave model.
- Climate change will reduce sea ice in winter months in the Gulf of St. Lawrence.
- By mid-century, wave climate will increase in winter and decrease in summer.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8886491>

Download Persian Version:

<https://daneshyari.com/article/8886491>

[Daneshyari.com](https://daneshyari.com)