## Accepted Manuscript

Large eddy simulation of flow and mass exchange in an embayment with or without vegetation

J. Lu, H.C. Dai

 PII:
 S0307-904X(16)30151-2

 DOI:
 10.1016/j.apm.2016.03.026

 Reference:
 APM 11094

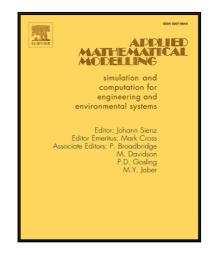
To appear in:

Applied Mathematical Modelling

Received date:16 June 2015Revised date:27 January 2016Accepted date:24 March 2016

Please cite this article as: J. Lu, H.C. Dai, Large eddy simulation of flow and mass exchange in an embayment with or without vegetation, *Applied Mathematical Modelling* (2016), doi: 10.1016/j.apm.2016.03.026

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.



## Highlights

- Vegetation was complemented into LES model to study flow in an embayment.
- Synthetic eddy method was used for generating a fluctuating velocity.
- Flow patterns in the embayment with or without vegetation were presented.
- Increasing the embayment aspect ratio will decrease mass exchange rate.

MAN

Download English Version:

## https://daneshyari.com/en/article/5471320

Download Persian Version:

https://daneshyari.com/article/5471320

Daneshyari.com