

عنوان مقاله:

NUMERICAL STUDY OF SEDIMENTATION IN ANZALI HARBOR DUE TO NORTHWEST WAVES WITH RESPECT TO THE EXTENDED BREAKWATERS

محل انتشار:

دوازدهمین همایش بین المللی سواحل، بنادر و سازه های دریایی (سال: 1395)

تعداد صفحات اصل مقاله: 2

نویسندگان:

Hamed mohammadnejad - *Expert Ports and Maritime Organization, Tehran, Iran*

Habib hakimzadeh - *Professor in Coastal Engineering, Faculty of Civil Engineering, Sahand University of Technology, Tabriz, Iran*

خلاصه مقاله:

In this research study, sedimentation in Anzali harbor due to northwest waves has numerically been investigated with respect to the extended breakwaters. First, it was tried with considering the study region and collecting the required data for this research, a comprehensive study has been conducted. The obtained data includes two series of information. The first series, the data used as input for the numerical wave simulation models including bathymetry maps, the wind and wave data, etc. The second group of the data has been used for calibration and verification of the numerical model. One of the most important aims of constructing a harbor is providing favorable conditions for berthing, loading and unloading of vessels. According to the development plan of Anzali port for improving the berthing capacity and unloading of large vessels in the Caspian Sea, the necessity of a mathematical model study to determine the transport rate and accumulation of sediments in the previous and current basins is more clarified and this can be undertaken using a mathematical software such as MIKE. The purpose of this study was to investigate the effects of extended western and eastern breakwaters of Anzali harbor (breakwaters extension project) on the basin and lagoon. Exact recognition of the hydrodynamics and sedimentation processes using field measurements and numerical simulation and also analysis of wave penetration rate into the harbor basin before and after extension of the breakwaters were the other aims.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/814994>

