

## عنوان مقاله:

Dredged Material Applications – A Case Study on Shahid Rajaei Port Complex

## محل انتشار:

دومین کنفرانس ملی مکانیک خاک و مهندسی پی (سال: 1394)

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## خلاصه مقاله:

Third phase of Sahid Rajaei port complex development program including dredging is ongoing and the dredging volume in this phase is estimated to be 5 million cubic meters. Although part of this amount would be used for reclamation works but substantial amounts of dredged material would be expected to be unused and accumulated. On the other hand, due to environmental and economic considerations, accumulating enormous quantities of dredged material should be avoided. In this study the type of dredged material in third phase of this port was determined using laboratory tests. The test results showed average percentages of gravel, sand, silt and clay to be about 13, 67.5, 17.83 and 1.67, respectively. Due to the variable amounts of these percentages in the samples, specific applications for each borrow area are proposed. Among the different possible applications, reclamation, berm construction, shore protection, beach nourishment, construction materials and landfill capping are proposed and discussed.

## کلمات کلیدی:

Shahid Rajaei port, dredged material, reclamation, laboratory test

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/431092>

