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**DEVELOPMENT OF OPTIMUM CIRCUITS OF COAST GUARD
IN AREA APPROACH CHANNEL
TO PORT POTI**

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This report is regarding development of optimum circuits of coast guard in area approach channel to Poti port.

External influences on system (a drain of the river Rioni with deposits, sea excitements and currents, atmospheric factors, etc.) though have approximately periodic character, but change in very wide range at presence of sharp peaks. It is especially necessary to note external influences of an artificial origin (construction of hydraulic engineering constructions, change of a channel on various sites of a mouth, etc.). The response of system to external influences both on duration and on the sizes of area of influence because of complexity of intrasystem communications carries, as a rule, difficultly predicted character. In these conditions decision-making at a level of the qualitative analysis or superficial quantitative calculations can result in catastrophic consequences. In Poti region, unfortunately, it is too many examples of realization of such decisions and their consequences. In work are investigated transport of deposits and changes of topography of a bottom of the sea. Change of coast is connected to movement of waves and currents in a coastal part of the sea.

The variant offered by us coast guard was included in the final report of the Dutch experts engaging in a problem of the Black Sea coast of Georgia.

Regarding the sedimentation process of the entrance channel, activities for decrease of movement of the coastline and harbor extensive development issues, Georgia.