

# Coastal Protection at the Albanian Mediterranean Coast



## Project description:

The beach at the Albanian Mediterranean Coast close to Durrës erodes continuously. The coast line moves several meters per year inland. Due to the erosion the value of land properties is significantly reduced.

HPC was requested to coordinate adjusted coastal protection measures to stop the ongoing erosion and to initiate an aggradation of sand, if possible.

Two groins (including geotextile, riprap and amour rocks) were designed and constructed. Their effect on coastline and bathymetry was topographically surveyed. A few month later significant aggradation of sand has already taken place.

## Services:

- Evaluation of existing information: aerial photographs, old military maps, climate data and maritime data.
- Project management for planning and design of the groins based on these data.
- Construction supervision during critical phases of the project.
- Preparation of a monitoring-program and evaluation of the obtained topographical data.

## Client benefit:

- Interdisciplinary expertise from one consultant only.
- • Stop of coastal erosion and property losses.

## Project name:

Coastal Protection at the Albanian Mediterranean Coast

## Country:

Albania

## Location:

Karpen (12 km south of Durrës)

## Client:

NCH Advisors Inc.

## Contact:

Andy Ballta

## Contract volume:

22,300 €

## Project duration:

12 month

## Field of services:

Coastal protection  
Infrastructural planning