

Pseudokarst-type coastal formations (shore stacks, beach caves etc.) and the associated marine boulder fields in Finland

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Abstract

Pseudokarst-type coastal formations (shore stacks, beach caves, etc.) are described in this paper. In Finland there are three types of shore stacks: marine shore stacks (sea stacks) that have formed on the coasts of the modern or ancient Baltic Sea after the Ice Age; lake shore stacks that have formed alongside lakes and river shore stacks that often occur by rapids. These last formations result from weathering and erosion caused by floods and the springtime breaking-up of ice. Marine caves and similar small forms such as marine weathering pits are much more common than shore stacks. In many cases, large boulder fields caused by frost weathering and surging waves surround the marine shore stacks.

Key words

Pseudokarst formations, Finland, shore stack, beach cave, marine boulder field, clint and grike, weathering pit.