

ABSTRACT

Area of interest of this bachelor thesis is part of Chilean Patagonia. It is spread across the Chilean regions of Los Lagos, Aysén and Magallanes. The local environment is influenced by several phenomena, which act separately and predominantly together. Local tectonic processes, especially the subduction of the Nazca Plate under the South American Plate, affect the risky processes of earthquakes (and subsequent tsunamis and landslides) and volcanism. The tectonics also contributed to the creation of a local relief, which, together with the climate (and its changes), also affected the specific type of floods called Glacial Lake Outburst Flood (GLOF). These geomorphological processes take place on earth for millions of years, but some of them became to be risky at the moment people began settling in territory of their influence.

Keywords: *risk geomorphological processes, Patagonia, earthquake, tsunami, volcanism, landslides, GLOF*