

Abstract

The aim of this bachelor thesis is to create a large-scale map of the old quarry area *Commite Steinbruch* near the town Hrensko in the Protected Landscape Area Labské pískovce. The work focuses on capturing the sandstone rocks and showing the remains of the quarrying that slowly blend into the nature. The rock objects are depicted using the contour method and are based on data obtained by drone and detailed airborne laser scanning (LLS). The photogrammetric data was obtained by own mapping in the locality and the LLS data was taken from the *GeNeSiS* project. Other data for the creation of the topographic database was derived from a geodetic mapping of the quarry and from the own field mapping, for which ArcGIS Field maps was used. The resulting map was processed in ArcGIS Pro software. The map is in digital form and is created at a scale of 1 : 700, its length and width are 430 mm.

Key words: old quarry *Commite Steinbruch*, rock representation, mining remains, large scale map, drone photogrammetry, LLS