

Abstract

This thesis deals with constructing engineering geological 1:1000 map of Dobkovičky landslide, collecting of reconstituted soil samples, their laboratory CIUP triaxial testing and subsequent modeling of wall stability of the landslide after the excavation of collapsed soil material. Mapping was done during spring of 2014. Outcome of this thesis is hand drawn map, plotted on the map are all the elements of the landslide including 38 documentation points. Legend of the maps is attached. Collection of reconstituted soil samples was done during drilling investigation, executed by company AZ Consult, spol.s.r.o., during summer of 2014. Three samples of all that were collected were subjected to laboratory CIUP triaxial testing. The result of the testing is critical friction angle, which was used during modeling of wall stability of the landslide after excavation of all collapsed soil material. For the actual modeling, PC software Plaxis 2D was used.