

Abstract

The thesis deals with slope stability of a landslide „U Čtrnácti pomocníků“, which is located in the north-eastern part of the city Semily in the Liberec district. The thesis is divided into theoretical and practical part. The theoretical part was carried out literature search on the issue and the natural conditions around the wider area of interest. The practical part consists of individual sections within which the research were conducted archival documentation, mapping areas of interest, own technical work, sampling and geophysical measurements and laboratory work and stability calculations. Also the engineering geological model of the landslide was created. The results of the practical part are used as the basis for the final engineering geological evaluation of this area.