

Summary:

This master's thesis focuses on the actualization and compiling of a detailed engineering geological map in scale 1 : 5 000. The thesis deals with the area defined by four points in the coordinate system JTSK – Křovák: : $x_1 = -749\ 300$, $y_1 = -1\ 043\ 400$; $x_2 = -745\ 900$, $y_2 = -1\ 043\ 400$; $x_3 = -749\ 300$, $y_3 = -1\ 044\ 500$; $x_4 = -745\ 900$, $y_4 = -1\ 044\ 500$. In the first background research part, the geomorphologic, climatic, geologic, hydrogeological and geodynamic conditions of the mapped area are presented. The second practical part of the thesis consists of four major parts: the engineering geological conditions map, the height of recent sediments map, the hydrogeological map and the map of documentation points. Further, the master's thesis contains geological cross-section. The actualization of engineering geological condition map provides new information about recent sedimentation areas and anthropogenic sediments, especially about landfills and landslides.