

The purpose of this project is to evaluate the possibility of using mobile GIS in mapping land use. Also included is a technical description of the equipment for field mapping (Juno SC and GeoExplorer 2008 GeoXH) and software for collection, editing and updating data in the field (ArcPad and TerraSync). The field research of the current state of land use was carried out as a part of this work. The positional accuracy and availability of the GPS signal were compared with concrete examples of mapped landscape objects.

Key words: mobile GIS, GPS, mapping land use