



Two-frequencies bathymetry of Plitvice Lakes

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Faculty of Geodesy, University of Zagreb, recently acquired the latest technology for performing the precise hydrographic surveying. The equipment consists of ATLAS DESO 14 surveying echosounder with two transducers: one with high frequency (210 kHz) and second with low frequency (33 kHz). The position of the transducer is determined with Real Time Kinematics GPS pair of Trimble R8 receivers, the latest word of wireless positioning technology, which - in addition to standard radio system - can use GSM signals for transmitting corrections from the base station to the rover. Thus, it is possible to use single-frequency DESO 14 for two-frequencies bathymetry through repeating the course of the vessel on exactly the same points with both transducers. The results of the application of this method in measuring two lakes in the National Park Plitvice Lakes are shown in this paper.