HEAVY METALS IN SOILS IN REGIONS WITH ENVIRONMENTAL LOAD IN MIDDLE SPIŠ

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ABSTRACT

The soil samples from middle Spiš were collected and analyzed for releasable, mobilizable and mobile forms. Contents of heavy metals were judged according to determination MP SR number 531/1994 – 540. Heavy metal contents were increased in comparison with highest admissible concentration ($A_1$) and in a few samples indication values (B). Mobile fraction for lead was increased with compared copper and zinc in order: Pb > Zn > Cu. In case mobilizable forms followed order: Cu > Zn > Pb.

Key words: contamination of soils, bioavailable form of heavy metals, cuprum, lead, zinc