

## **THE EFFECT OF SUBSURFACE MINING ON THE LAND SURFACE AND PRELIMINARY CALCULATION OF PILLARS**

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*In Estonia oil shale is produced by underground and surface mining. The technologies used exert a substantially different effect on the topography and water regime. The cavities generated by subsurface mining may lead to a series of deformations that travel to the land surface and hamper further use of mined-out areas. Based on mathematical calculations, prognostication of ground subsidence in dependence of pillar sizes is attempted.*