

RECLAIMING LANDS AFFECTED BY MINING EXPLOITATION, CASE STUDY VADU PASII GRAVEL PIT, BUZAU COUNTY

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Abstract

The aim of this paper is the presentation and analysis of closure and ecological reconstruction of a mining objective and reclamation of lands affected by mining. Vadu Pasii gravel pit is located in the extravillan of Vadu Pasii locality, Buzau county, in the terrace of the left bank of the river Buzau. The land on which the exploitation works took place belongs to Romanian Waters Administration - Ialomita - Buzau Water Direction for the left bank terrace of the river Buzau and City Council Vadu Pasii - land that was in unproductive category. Investment objective (terrace exploitation) implied exploitation of sand and gravel for using and/or processing in sorting - washing station and realization of two lacustrine basins. This paper presents a model of land affected by mining rehabilitation, through a combined method, part of the lands affected being reclaimed in agricultural production in the category of use pasture and another part being reintroduced into the economic cycle and placed in stable equilibrium with other environmental factors of surrounding area by arranging a water basin. Ecological reconstruction of land had an even greater importance because they are part of the Natura 2000 protected area Lunca Buzaului, the option of making a water basin was an alternative of reducing pressure on protected species and habitats of Community importance site.

Key words: reclamation, mining, ecological reconstruction.
