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RESTORATION OF DEGRADED AREA BY FLOTATION TAILINGS MADE BY FLOOD WAVE OF BOR RIVER

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Abstract

The problem of water and land pollution in the coastal area of the river Bor, downstream from the Bor flotation tailings, dates back to 70-year of the last century. The paper provides an attempt to restore this degraded area by flotation tailings using method of setting the neutralization layer of wasted lime –filler height 0.1 m between layers of flotation tailings and newly drifted 0.5 m height mold layer on top. The newly formed recultivated area can be used for food production, whether it is used for human consumption or food for domestic animals. The model of restoration comprehends agro-technical, technical and biological recultivation. This process is given in detail for the experimental area in Bor River riverside (Serbia) and it includes construction of access roads, protective dykes, protective embankment towards river, smoothing surfaces and filling in a layer of lime filler minimum height of 0.1 m (buffer zone) and filling the mold soil in layer of 0.5 m height. The developed model of restoration now awaits funds for its application on the experimental site.

Keywords: mold, neutralization layer, recultivation, river bank

Received: February, 2013; Revised final: January, 2014; Accepted: January, 2014

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