

ABSTRACT

One of the major industrial activities in North West Bohemia is brown coal mining. Mines and heaps originated during the mining process represent main elements of adverse changes in the local landscape. They are causes of changes of all subsystems of landscape, soil and mineral environment, water situation, atmosphere, etc. Subsequent recovering of these impacts of mining activities is not easy in terms of technology or time. Reclamation engages in such activities. Its aim is to restore production function of land and to create a balanced, aesthetically, naturally and hygienically valuable landscape. This thesis deals with the development of mining and descriptions of various methods of reclamation with regard to the heterogeneity of reclaimed areas. In conclusion, own experiments carried on the surface of succession area „Radovesice XVII.B“ are presented.

Key words: succession, land reclamation, heaps tailings, mining activity and heterogeneity