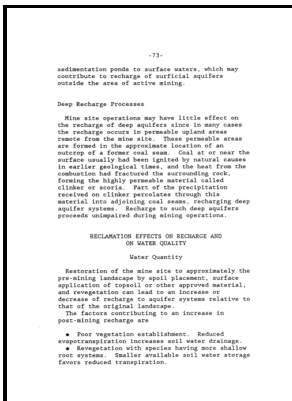


Plant and spoil characteristics affecting surface mine revegetation

s.n - Revegetation pattern affecting accumulation of organic carbon and total nitrogen in reclaimed mine soils [PeerJ]



Description: -

-Plant and spoil characteristics affecting surface mine revegetation

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Notes: 13

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Tags: #Distinguishing #reclamation, #revegetation #and #phytoremediation, #and #the #importance #of #geochemical #processes #in #the #reclamation #of #sulfidic #mine #tailings: #A #review

Revegetation approach and plant identity unequally affect structure, ecological network and function of soil microbial community in a highly acidified mine tailings pond

They can reverse the degradation process by stabilizing soils through the development of extensive root systems. The leaf debris plays an important role for improving the organic matter of the dump material for the successful implementation of revegetation.

Dump Stability and Soil Fertility of a Coal Mine Spoil in Indian Dry Tropical Environment: A Long

Our results showed that CR and DR achieved a vegetation coverage of 59. Akira Miyawaki, a Japanese botanist.

Dump Stability and Soil Fertility of a Coal Mine Spoil in Indian Dry Tropical Environment: A Long

Therefore, in the present study, we determined the SOC and TN concentrations and stocks in reclaimed mine sites RMSs and in adjacent undisturbed native sites UNSs at the Heidaigou surface coal mine. The growth of indigenous plants is dependent upon the soil quality as well as the organic matter of the dump material.

Natural Revegetation of Coal Mine Spoils in the Rocky Mountains of Alberta and Its Significance for Species Selection in Land Restoration on JSTOR

Soil depth cm Ar Bu AB Gr NRS SOC 0—10 2.

Revegetation approach and plant identity unequally affect structure, ecological network and function of soil microbial community in a highly acidified mine tailings pond

This paper includes physical, chemical and biological mine soil properties, their management to make soil productive, top soil management, vegetation of various species and assessment of effectiveness of reclamation. We then profiled the structure, ecological network and function of soil microbial communities associated with two dominant plant species of the vegetations via high-throughput sequencing. There were distinct temporal changes in soil bulk density, low soil bulk density were found in 10-year of restoration land at depth of 0-20 cm due to the significantly increase of the belowground biomass.

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