

SOIL PROPERTIES OF A MARKOWICE RACIBÓRZ DISTRICT AFTER THE FLOOD

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Keywords: soils, heavy metals, pollution, flood.

Summary

The research of the soil quality was made in Markowice, the district of Racibórz, the town situated in the South of Poland. The soils of Racibórz were expected to be contaminated with heavy metals after the heavy flood in 1997, which devastated great part of Poland, especially the town. The assays covered macro- and microcomponents, contents of total calcium, iron, manganese, sulphur, bioavailable magnesium, potassium and phosphorus, contents of heavy metals (lead, cadmium, zinc, chromium, nickel and copper), electrolytic conductivity, pH of soil, and finally organic matter content in soil. The research showed that soils of the district of Racibórz have a natural content of heavy metals, but the soils have the deficiency of macrocomponents, such as phosphorus, magnesium and calcium