

## MINE SOIL CLASSIFICATION AND MAPPING<sup>1</sup>

by

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**Abstract.** This presentation covers the history of surface coal mining and reclamation methods and equipment for the pre-Federal law, interim-Federal law, and post-Federal law periods. It discusses the difficulties with traditional mine soil mapping methods on five soils series in Illinois. These methods fail to recognize the effects of compaction and methods to ameliorate compaction. The current status of mine soil mapping methods on eight soil series in Illinois are presented. Areas where additional work is needed and future potential difficulties are identified for mine soil mapping efforts.

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<sup>1</sup>Abstract presented at the 1998 National Meeting of the American Society for Surface Mining and Reclamation, St. Louis, Missouri, May 17-21, 1998.

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