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Title:

Mobilizing an Enterprise GIS for Ohio's Abandoned Mine Land Inventory

Topic Category:

Mobile GIS

Organization:

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About the Authors:

Authors are GIS Specialists for Ohio's Abandoned Mine Land (AML) program. Their expertise focuses around the design, use, and management of GIS resources for reclamation.

Abstract:

Ohio's AML program maintains an inventory of abandoned mine land features eligible for reclamation under the Surface Mining Control and Reclamation Act of 1977 (SMCRA).

The AML GIS section developed a Mobile GIS using Trimble Juno series data collectors and a customized ArcPad suite to aid in more effective and efficient field work for staff members. The project leverages the field work of over a dozen non-GIS staff members through 2 GIS professionals. The goal of the project was to ease the process of discovering and submitting eligible problem sites to the federal government registry for reclamation.

We will discuss the Abandoned Mine Land reclamation process, how we designed the Mobile GIS, hardware and software evaluations and decisions, and the workflows utilized to manage this system.