

Abstract

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Developing a Site Assessment Methodology Using ArcPad and GPS Technologies

Track: Environment Solutions

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Environmental site assessments offer prospective land purchasers a relatively inexpensive and expeditious means of acquiring valuable information regarding the potential presence of site contamination. GIS and GPS technology provide field scientists with powerful tools to assist site reconnaissance and data collection. This paper presents a methodology that effectively streamlines and automates portions of the assessment process. Developing a customized GIS environment allows for in-house preliminary assessments, which generate results that are easily transferred to handheld data collectors equipped with customized mobile GIS software and GPS capabilities. This facilitates further field data collection with high levels of quality and accuracy.

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