



Printed from: Interstate Technology & Regulatory Council (ITRC). 2016. *Geospatial Analysis for Optimization at Environmental Sites (GRO-1)*. Washington, D.C.: Interstate Technology & Regulatory Council, Geostatistics for Remediation Optimization Team. www.itrcweb.org/gro-1.

Project Manager's Tool Box

The following four fact sheets provide an introduction to geospatial analysis for project optimization:

- Fact Sheet 1: [Do You Need Geospatial Analysis?](#)
- Fact Sheet 2: [Are Conditions Suitable for Geospatial Analysis?](#)
- Fact Sheet 3: [How Is Geospatial Analysis Applied?](#)
- Fact Sheet 4: [What Software Is Available to Help?](#)

The links below include useful tools for geospatial analysis:

- [Glossary](#): helps you become familiar with the terminology used in geospatial analysis.
- [Common Misapplications of Geospatial Analysis](#): provides information on potential pitfalls if the geospatial analysis is not done correctly and summarizes appropriate alternatives for better application.
- [Review Checklist](#): provides information linked to the sections of this document to conduct or review a geospatial analysis.
- Minimum requirements of data sets for geospatial analysis ([Table 1](#)) and approach to determine minimum data set requirements for geospatial analysis ([Figure 1](#)): provide general guidelines on the types of data and information needed to perform various geospatial analyses.
- Organizing geospatial interpolation methods ([Table 3](#)): provides a general understanding of the geospatial methods discussed in this document.
- [Work Flow](#): provides guidance about the basic steps to complete a geospatial analysis.
- [Choosing Methods](#): provides support for selecting the proper geospatial methods for the analysis.
- [Index of Methods](#): includes a list of specific methods at the end of the Methods section.
- [Case Studies](#): illustrate how geospatial analyses have been used at sites to support optimization.
- [Software Comparison Tables](#): provide information about various software packages to help select the software to perform the geospatial analysis.