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.