



# Terra Systems Inc. GIS Site Visualization Services Visualizing Data to Enable Better Decisions

A geographic information system (GIS) is a great tool for visualizing, analyzing, and interpreting site data to better understand relationships, patterns, and trends for a site remediation system.

**Terra Systems Inc. GIS Site Visualization Services** focus on enabling our clients to better manage their data and site information, resulting in faster, more informed decisions about their sites. Related by accurate spatial information, an incredible amount of past or projected future data can be analyzed, interpreted and represented to facilitate decision making.

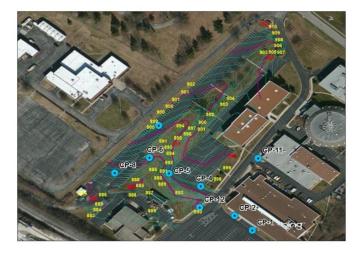
By understanding the remediation system characteristics, Terra Systems scientists and engineers are able to apply our knowledge and capabilities to provide GIS deliverables that enable better visualization of what is happening at a remediation site in three dimensions and over time.

## Site Visualization Product Examples

#### **High Resolution Aerial Imagery**



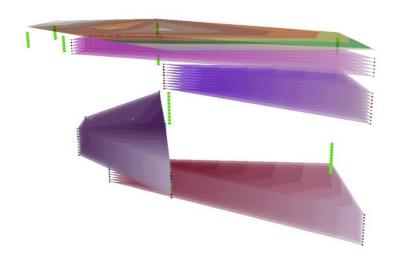
#### **2D Site Maps**





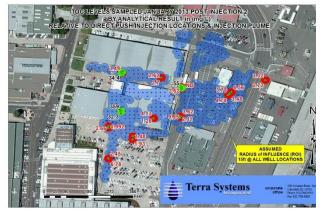


# **3D Model View of Contaminated Plumes**



**Key Analytical Parameters for Process Optimization** 

Example 1 Example 2

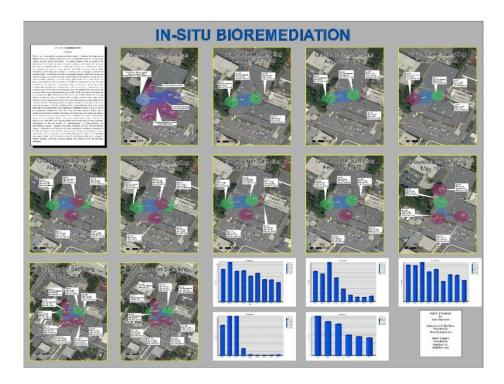








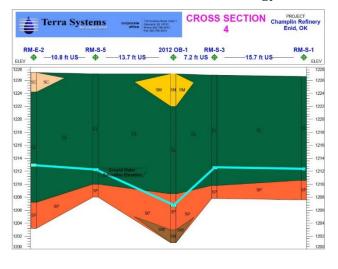
### **Site Data Over Time**



## Geology Data - Boring Logs Spatial and Geographical Referenced

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# **Cross Sections & Lithology**



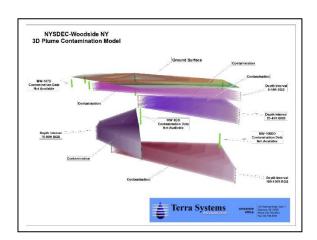




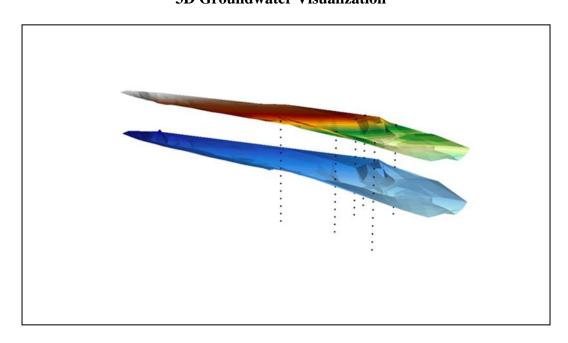
# **Illustrating and Visualizing Contamination Concentration**

Area (Plan View & Depth & Cross Section & 3D)





## 3D Groundwater Visualization







## What Sets Terra Systems Inc. Apart from The Competition?

**Remediation Experience** – Terra Systems' scientists and engineers have been developing in situ bioremediation technology since the 1980's. That experience enables us to offer proven bioremediation products and unequaled customer support unmatched by any of our competitors.

**Bioremediation Product Manufacturer --** As a product manufacturer, we view environmental consulting companies as our customers, not our competitors and our goal is to make you successful with your clients. That commitment is embodied in our superior products combined with unequaled customer support. Terra Systems is a privately held company with no affiliation or ownership by any environmental consulting company.

**Sustainability Partnership** – As one component of Terra Systems' Sustainability Partnership Program, GIS site visualization service is focused on assisting our customers reduce the site remediation carbon footprint by optimizing the remediation process. This typically translates into a "greener" lower cost remediation project.

**Integration with site engineering** – Because we are scientists and engineers that use GIS, we can assist with improved system designs, improved operations and maintenance recommendations, and improved system optimization recommendations.

#### **GIS Services Provided**

#### Spatial Data Management, Analysis and Visualization

- Standardize, organize, analyze, visualize client data
- High quality maps and models that empower our client's ability to make faster, more informed decisions

#### **GIS and CAD Integration**

Tailored, integrated solutions, using both CAD and GIS capabilities

#### **Environmental Remediation System Evaluation and Compliance**

- Use GIS to improve remediation system evaluation.
- Assist clients with tracking data for compliance with state and federal regulations