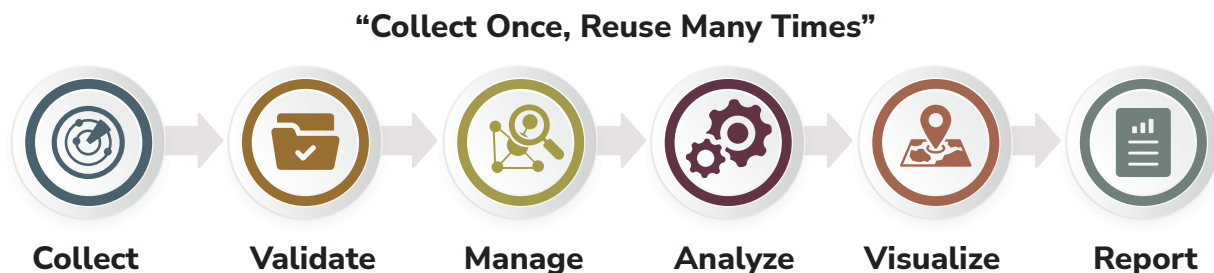# LANGAN

Environmental Data Management

Our collaborative Data Management and Analytics (DMA) team helps project teams collect and configure large data sets to meet project specifications. Acting as liaison between the project staff, analytical laboratories, data validators, and GIS analysts, we develop and use data-validation tools in Excel, EQuIS (from EarthSoft), Access, and SQL to identify and solve data-quality problems.

The DMA work begins by collaborating with project teams. Each environmental project requires extensive planning and coordination ahead of time to ensure the most efficient workflows and data analyses. The project team collects samples at a site, generates the chains of custody, and sends the samples to labs for processing. Langan uses EarthSoft's environmental data-management system (EQuIS) to store analytical and field data in a central repository.

The DMA team works with labs to set up a customized Langan electronic data deliverable (EDD), which is one of the most extensive standard EQuIS formats. The EDD contains sections for location, lab, and field data. The standard one-time setup process for customized EDD, an EQEDD, used throughout the firm is easily implemented and is transferable to other consulting firms when working with a client.

"Collect Once, Reuse Many Times"

Collect   Validate   Manage   Analyze   Visualize   Report

These reports summarize analytical results in tables that compare the data to state or federal regulations or summations and to graphics that display the data. The team works toward internal and external standardization and automation, which enhance the exporting and deliverable processes.

The DMA team provides practical solutions that help project teams and clients manage and use data to make informed decisions for their projects. Depending on the type of investigation at a given site, the DMA team works on projects such as due diligence, remedial investigation, waste classification, and monitoring. The DMA team has played a major role in many environmental projects that have included large datasets and compilations of state and federal regulations to help provide final-report deliverables.

Organize	Upload	Export
Check EDD from Lab	Store Data in Langan Database	Query Data

esri Partner Network Silver

ArcGIS System Ready Specialty

ArcGIS Marketplace Provider

Microsoft Partner

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