

PLog Environmental, ESdat and LSpecs

Your environmental data management system

Dataforensics has teamed up with EarthScience Information Systems to create a comprehensive environmental data management system. This data management system helps you perform and complete common tasks in less time with less effort. Tasks include creating detailed work orders for personnel to utilize in the field, field data collection, electronic chain of custody form generation, data verification, report generation and more.

Run PLog Environmental on a Tablet PC, Laptop PC, Desktop PC or PDA – Dataforensics has licensed the Simulator from Palm for usage on personal computers such that you can run the PLog PDA module on your PC. You get all the benefits of PLog and a much bigger screen size to input your data.

Work Orders

- **Download work orders to PLog Environmental from LSpecs** – If you use EarthScience Information Systems software programs ESdat and LSpecs with PLog Environmental you can create an entire work order for field personnel for soil, water and gas sampling.
- For more information go to www.dataforensics.net/esdat.pdf.
- **Field personnel are guided through sample collection** – If you use LSpecs to create detailed work orders, personnel are informed what samples need to be collected at each borehole or well, as well as what samples are yet to be completed.

Field Sampling for Laboratory Tests

- **Collect soil, water or gas laboratory samples** – PLog Environmental guides you through collecting laboratory samples for soil boreholes, water wells; gas wells; surface water features such as ponds, rivers and lakes; and QA samples.
- **Specify lab tests for each sample** – For all sample types (water, soil and gas and QA samples) you can specify which tests are to be performed on individual samples.
 - Lists can be sorted by assigned tests for water and gas (if work orders were developed with LSpecs), previously assigned samples for the project, or all available laboratory samples).
- **Auto Sample Identification** – Each sample is given a unique identifier automatically by the software.
- **Specify containers for each sample** – You specify the container (type, volume and number of) for each sample. There is even a reference list available for personnel in case they can not recall container details for a sample.
- **Specify Sample Delivery Group information** – You can define one or more sample delivery groups for a project. Each sample you collect you assign it to a sample delivery group, which is particularly important when you have multiple sample groups going to multiple laboratories.
- **QA/QC samples** – PLog Environmental includes capabilities to collect QA/QC samples (Rinse, Trip Blank, Matrix Spikes, etc) for each sample delivery group so you maintain project quality standards

Field Chemistry Measurements

- **Collect field test data** - You can record up to 10 unique field chemistry measurements for a project (such as pH, temperature, redox, conductivity, et cetera). You can record as many sample test results as necessary until a stabilized reading is achieved.
- **Notifications if field sampling exceeds historic max and min** – When you use LSpecs to create a work order for PLog Environmental you can enter maximum and minimum values appropriate for the project for each and field chemistry measurement type. Field personnel are notified if a value entered exceeds the maximum and minimum values appropriate for the project and has the option to save or revise the data.

Soil Samples

- PLog Environmental uses standard PLog as its base so you still have all the functionality of PLog for soil sample logging, material descriptions, well installation, et cetera.

Collect Data for Slug Tests

- **Record slug test data** –You can record all parameters related to a slug test and utilize PLog to time the test.