

# QUICK START GUIDE

## Installation

Computer requirements: Windows XP, Vista, or 7, 1 GB RAM (2 GB preferred), 1.5 GHz single-core processor (3.0 GHz dual-core preferred). **The installer must be run from a user login with at least power-user permissions.** Check with your network administrator before installing the software.

**To use EPIPHINY 1.0 after the trial period has expired, users must have a valid license file.**

Currently the software is only available for Microsoft Windows XP, Vista, or 7. If you need to run the software in another operating system (e.g., Apple Inc.'s OS X or Linux/UNIX) please contact us for additional information. In addition, you must have Microsoft .NET runtime 3.5 or better.

## Running the Installer

Simply double-click on the installer file *EPIPHINYSetup.msi* when you have it downloaded from the website. You can accept the default paths or navigate to your own. The default will result in an EPIPHINY folder in your *C:\Program Files (xxx)* folder.

Upon running EPIPHINY for the first time, you will be prompted to input your license file or use the trial version. You will not be able to activate your license unless your license is validated by Summit's validation server. This procedure sends no personally-identifiable information and is conducted over a secure https connection. Please keep this license file in a safe location, as it will be required to re-install the software.

Please note that per the terms of your retail license you will only be able to install the software on the number of machines for which licenses were purchased. Multiple-boot systems require a license for each OS installation.

Many environmental professionals want to analyze results of site investigation and monitoring activities very quickly. While there are many advanced options built into EPIPHINY, the Graphical User Interfaces (GUIs) were designed to enable the casual user to import and analyze many different types of data within minutes of receiving the information. This Quick Start Guide will walk you through the process of creating a new project, importing historic data in Microsoft Excel format, performing simple queries, preparing simple graphs, and exporting data. Advanced techniques are presented under the relevant section of the Reference Guide.

## Creating a new project

After launching EPIPHINY, the start-up window prompts the user to create a new project or open an existing project. The steps to create a new project include:

Click the **radio button (or the text itself)** next to **Create a new project** and click **OK**.

Enter a project name – the naming convention is entirely up to the user, however, the folder that will be created will have the same name. We recommend a nomenclature similar to *SiteName\_EPIPHINY*. Click **Next**.

A **Browse For Folder** window appears – the user must navigate to a directory where the new EPIPHINY folder structure will be created. Choose a folder on your computer or network and click **Next**.

The next window confirms that a new folder will be created with a blank data set. Click **Finish**. See **New Project Options** section in the main Reference Guide for details on the **Options** Tab for this window.

## Importing Data

The Data Import Tool within EPIPHINY is a very powerful way to convert numerous different formats into a simple, flat-file database. This section will lead the user through the steps to import simple data sets into EPIPHINY.

### Important

*Using a database format to analyze data requires that database protocols are followed. Databases require that individual fields (or "cells" using spreadsheet nomenclature) are formatted to specific data types (e.g. text or numeric), field lengths (number of characters), and, in some cases, that only "valid values" are used in the field. THE SINGLE LARGEST HURDLE TO ACHIEVING SUCCESS WITH EPIPHINY WILL BE YOUR ABILITY TO IMPORT DATA. Therefore, we strongly recommend that the first-time user take the Tutorial for importing historic chemistry data. This will properly expose the user to the logic used by EPIPHINY to automate and streamline data import procedures.*

Although EPIPHINY has sophisticated methods to import cross-tab data (typical of tables used in reports that have multiple locations, parameters, and sample dates in various formats), we recommend that the novice user re-format their Excel worksheet prior to import. The re-formatted worksheet should have the following general format (there is no realistic limit to the number of field names in the Header Row).

If the objective is to quickly prepare graphs and tables of data, then importing the basic data components (location, date, parameter, units, and result) is all that is required.

*Note: First time users should import groundwater elevation or similar type data – be sure not to try to import rows of data that contain "not sampled", "dry", etc. (these are text strings and require special handling) in the TextResult field.*

The steps to import "simple" data when the text result and numeric result are the same (e.g. there are no "<" or other symbols or other text in the results):

Click on the **Import** button on the **Dashboard**.

Click **Run** button on the **Import Management** window.

Click **Add to list** on the **Import and verify your data** window.

Navigate to the Excel file(s) to be imported, double click the *file name(s)* or highlight the *file name* and click **Open**, then click **Run**.

Choose the worksheet that contains the data to be imported (only one file/worksheet can be imported at a time unless the files/worksheets are IDENTICAL in format, in which case multiple files and worksheets can be processed at once). Click **Next**.

A **Field Name Matching** window appears with the field names listed on the left-hand side of the screen. **Drag and drop** each individual field name to the space adjacent to the corresponding field name shown on the right-hand side of the screen. For the Result (i.e. the physical or chemical value of a sample result), first **Drag** the field name into the cell adjacent to **Text Result**. Double click in the cell below, adjacent to **NumericResult** and the same name as appears as in the **Text Result** cell. Repeat this process for the cell adjacent to **GraphicResult**. Once you have completed this task for the **SampleDate**, **SampleLocation**, **Parameter**, **Units**, **TextResult**, **NumericResult**, **GraphicResult** and **Medium** (generally type the word "Water" for medium if no relevant field is in your import file), click **Next**.

A **Warning** window will appear indicating the important fields for chemistry data that have not been filled in. Click **OK**.

A **Validation Report** window will appear with tabs across the top. The user can work from left to right through each tab to check the values in the import file, however, for simple data click **Finalize**. Then click **Add to Database**.

An **Add to EPIPHINY Database** window appears with tabs across the top. On the default **Options** tab, click **Preview target table**. A navigation window appears and the user should go to the **Database** folder within the EPIPHINY folder created for the project. Double click the **database file name** or click **Open**.

A **Table preview** window appears with a list of the tables in the database. Click on **tdata** in the list and then click on **Select the table and close** button. The **Add to EPIPHINY Database** window reappears – click **OK**. A **Finalize** window appears – click **Yes**. You can now **close** the **Validation Report** window and **Quit** the **Import and verify your data** window.

Open the **Query** button on the **Dashboard** and click the **Reload** button. Query away!

Please refer to the **Importing Data** section of the Reference Guide (below) to import more sophisticated data that require special handling.

## Query Basics

Once data are entered into the EPIPHINY database, you are ready to “ask questions” of the data. You can retrieve data with simple queries or very complicated queries. This section of the Quick Start Guide will lead you through making simple queries.

Choose a single location from the **Single Location** drop-down box in the upper left-hand corner or a location group from the **Location Group** drop-down box to the right. Location groups are convenient for grouping sampling locations that are similar (e.g. shallow wells). By default, EPIPHINY creates an “All Locations” group by continually scanning the data table for distinct locations.

Choose a single parameter from the **Single Parameter** drop-down box in the upper left-hand corner or a parameter group from the **Parameter Group** drop-down box to the right. Parameter groups are convenient for grouping parameters that are similar (e.g. metals). By default, EPIPHINY creates an “All Parameters” group by continually scanning the data table for distinct locations.

Choose a time period for your query. The user can choose dates in a variety of ways. For specific date ranges, the user can use the **Month, Day, Year** drop-down boxes, choose from the calendar, or type the date (mm/dd/yyyy) in the top right-hand box. Alternatively, the user can select a predetermined date range from the Group drop-down box. **Select All** is a convenient way to select the entire date range within your database.

Click the **Result** button for a tabular presentation of your query. The user can move columns in the QueryX window by dragging the column to the desired location. The user can sort the columns in ascending or descending order by clicking on the **Field Name**.

## Graphing Basics

The Graphing Package within EPIPHINY was designed to streamline the analysis of data, not necessarily the reporting of data. The graphics limitations of the package are understood by the designers and programmers, however, the ability to stack charts and create on-the-fly graphs and charts were paramount in the selection of a low-cost graphing solution.

The steps to prepare simple graphs include:

Prepare a query as described under **Query Basics**.

Click the **Graph** button. The graph will appear in the **Graph** window.

By right-clicking in the graph, the user can choose the various graphs settings, or enter the **Customization Dialog** window for additional choices.

By clicking the **Quick Stack/Unstack** button, multiple locations or parameters can be put on a single axis or multiple axes.

The **Subsets Setup** tab allows the user to drag and drop different combinations of parameters or locations to different, stacked graphs. **A total of 6 stack graphs can be produced.** *Tip: By creating location groups and parameter groups of six locations or parameters, the stacking graph feature can be optimized.*

## Exporting Data

EPIPHINY was designed to be a data hub for translating data into various other software packages. Data visualization and groundwater modeling packages such as ArcGIS, RockWorks, EVS, EnviroInsight, Sample Optimizer, Aqua TrueVue, Visual Groundwater, HydroGeo Analyst, Visual MODFLOW, GMS, and Groundwater Vistas are all excellent ways to analyze and visualize environmental data. However, each package requires a unique data input file. EPIPHINY’s sophisticated data import/export capabilities simplify the data translation process so that the user can visualize field or analytical chemistry data very quickly.

The first step in creating export files is to define a query to select the data that will be analyzed or visualized in a software package other than EPIPHINY. The user should create location, parameter, and time groups and, if necessary, use the Advanced Query Options to further filter or screen the query result. The steps to export the query result include:

From the Start Up screen, click the **Query** button on the **Dashboard**. In the **Set up query criteria** window, choose a location or location group, a parameter or parameter group, and the time range. Click the **Result** button located in the lower left-hand corner.

The Query\_X window will appear showing the query result in tabular format. Click the **Options** button located in the lower left-hand corner.

Hover the cursor over the **Export the Query Result** option until the sub menu appears to the right. Choose the appropriate file format or software package and click on the text. A dialog box will require the user to navigate to the desired folder and name the export file.

There are many options for exporting data – please refer to **Exporting Data** in the Reference Guide (below) for more information.

Visit the EPIPHINY website:

[www.epiphiny.com](http://www.epiphiny.com)

