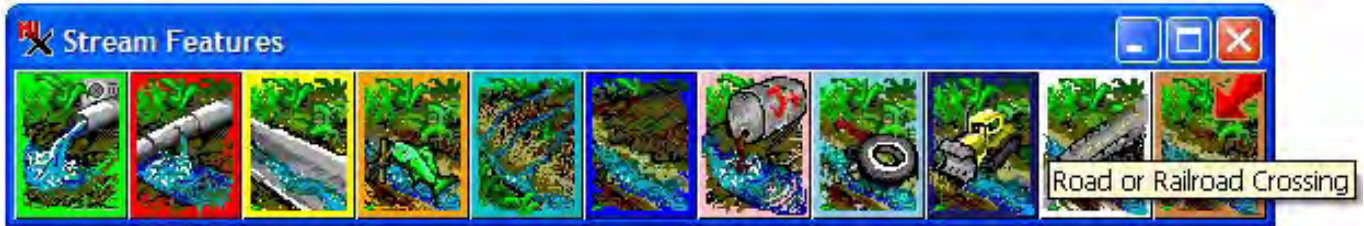


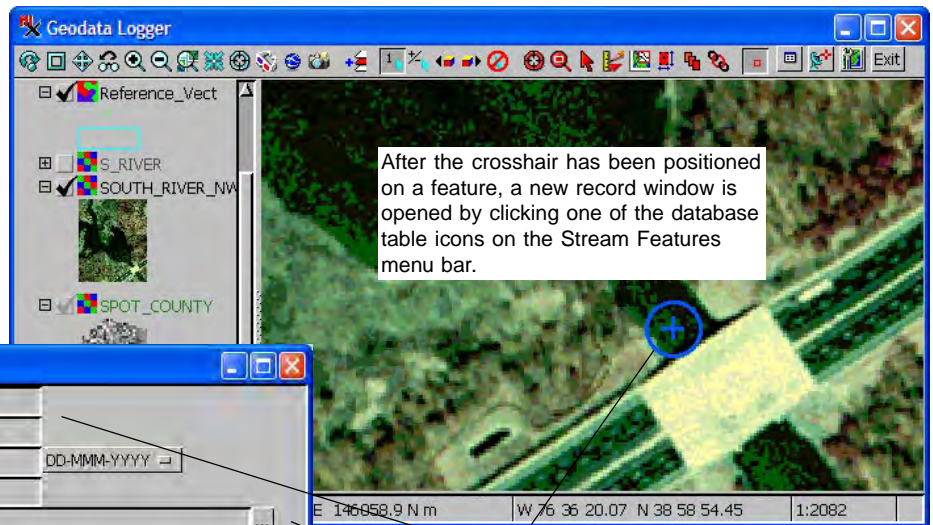
Scripting

Geodata Logger—Adding New Records



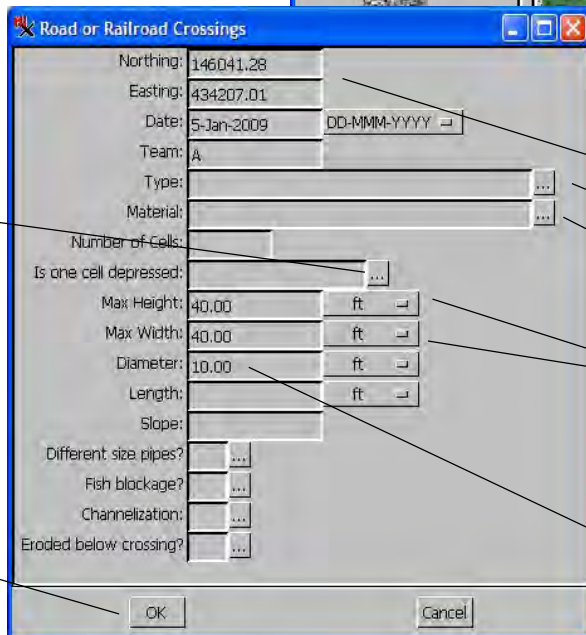
An APPLIDAT can give your field teams easy access to any number of database tables. This sample APPLIDAT shows how eleven Stream Features tables have been presented on an icon menu bar. Each icon has a ToolTip that shows the name of the associated table. Clicking on an icon opens the associated table with a new record automatically added and the coordinates at the crosshair location automatically filled in.

The field team can add new records at the crosshair by selecting a table from the icon bar. The APPLIDAT automatically fills in the coordinate value fields for the crosshair position. The new record window can be customized to present data entry options to help ensure data integrity. In this example, most fields have pop-in windows with lists that offer predefined values in the correct data range. Your custom data entry windows can contain many other notes and prompts.



The window that opens when you click on an ellipsis (...) button presents a list of preselected values as shown at the right for accurate data entry. These preselected values reside in a related database table.

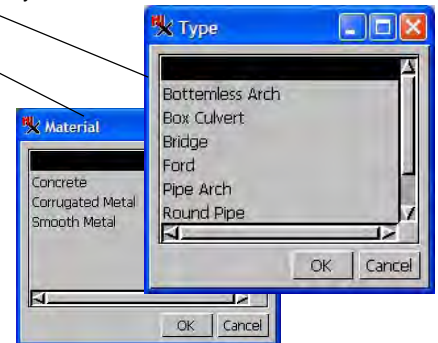
To ensure complete records, the OK button is inactive until all required fields have been filled in.



Crosshair/GPS coordinates are automatically entered for the new record.

Field measurements can be entered in selectable units.

Changing the units of a field that already has a value automatically converts the value to the new units. For example, changing the units of a field that contains the value 10 from feet to meters changes the value from 10 to 3.05.



Careful design of a database with all the necessary constraints would allow a field team to enter all values with a hand-held computer and stylus, which eliminates the need for a keyboard in the field. With a combination of on-screen HelpTips and well-designed data entry forms, a high degree of reliability and completeness can be ensured. By eliminating as much question as possible in the minds of the field team and by constraining their data entry choices, you can maximize the amount of useful data collected and minimize the need for return trips to correct errors or collect missing data.