

## Chapter 9: Managing your Data Sets

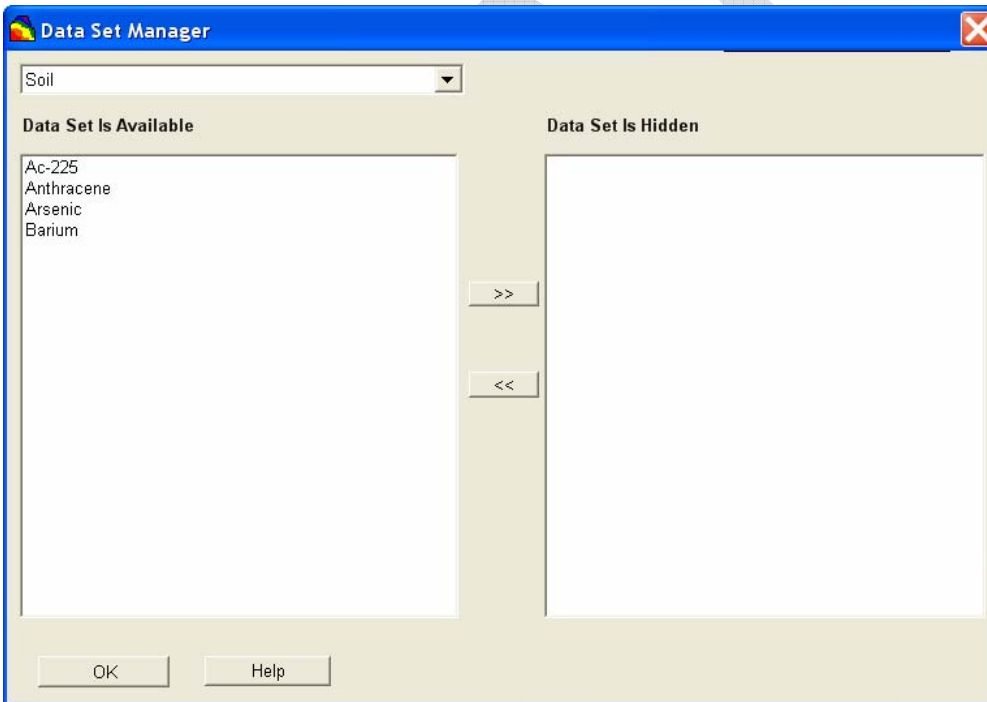
Often users will have a SADA file with many, many data sets (e.g. contaminants) some of which may no longer be of much use. For example, in a risk assessment they be identified as not contributing to risk and may be excluded from further analysis. There may be many other reasons why you may want to exclude or delete a data set. In addition, you can edit your data values after they've been brought into SADA. You'll use the data editor to do this. Just remember that any changes made to your data inside of SADA will not affect the source data file used in the import process.

### Hiding Data Sets

There are two ways to exclude a data set from your file. The first method is to just hide a particular data set using the contaminant manager. This is a non-permanent way to hide it in order maintain an uncluttered environment.

Open TwoDimensional.sda. Save the file as TwoDimensional\_Managed.sda to make sure you don't alter the original file. It is used in other examples. Select from the main menu: Tools → Data Set Management → Choose Included Data Sets

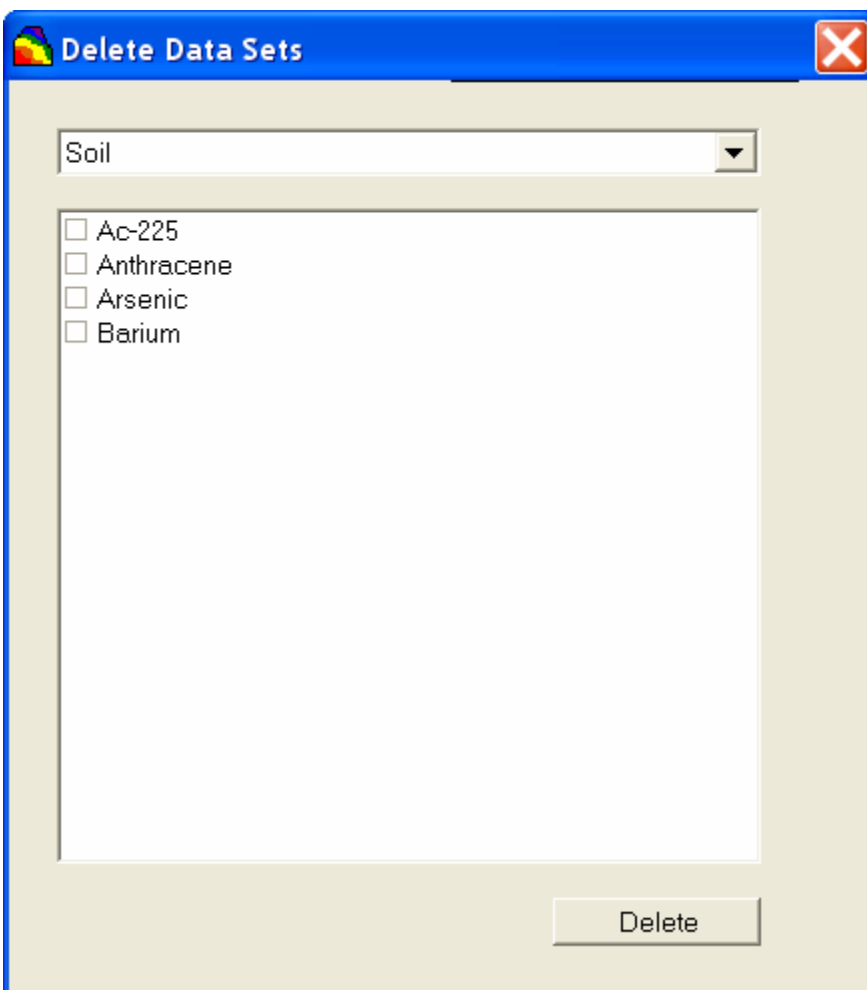
SADA presents the data set manager.



In the upper left hand corner you select the data type you are interested in. In two primary boxes, you have data sets that are available (visible) on the left side and data sets that are hidden on the right. When you are done press the OK button. You will no longer see your hidden contaminants anywhere in the interface. They are not deleted though and you can restore them at any time.

## Deleting Data Sets

The second way is to permanent delete the contaminant. Again, select from the main menu: Tools→Data Set Management→Delete Data Sets



This brings up the Delete Data Set window. At the top you have the available data types. Select the one you are interested in (e.g. in the figure above, we have soil data selected). SADA fills the lower box with the data sets found in that data type group. So in the figure above we have all the soil measurements. Place a check mark in the box next to the contaminant you want to delete. Press the Delete button. SADA will ask for confirmation. If you confirm the delete, the data set is permanently removed from the file. Keep in mind though, that these changes are not permanent until you save the SADA file.

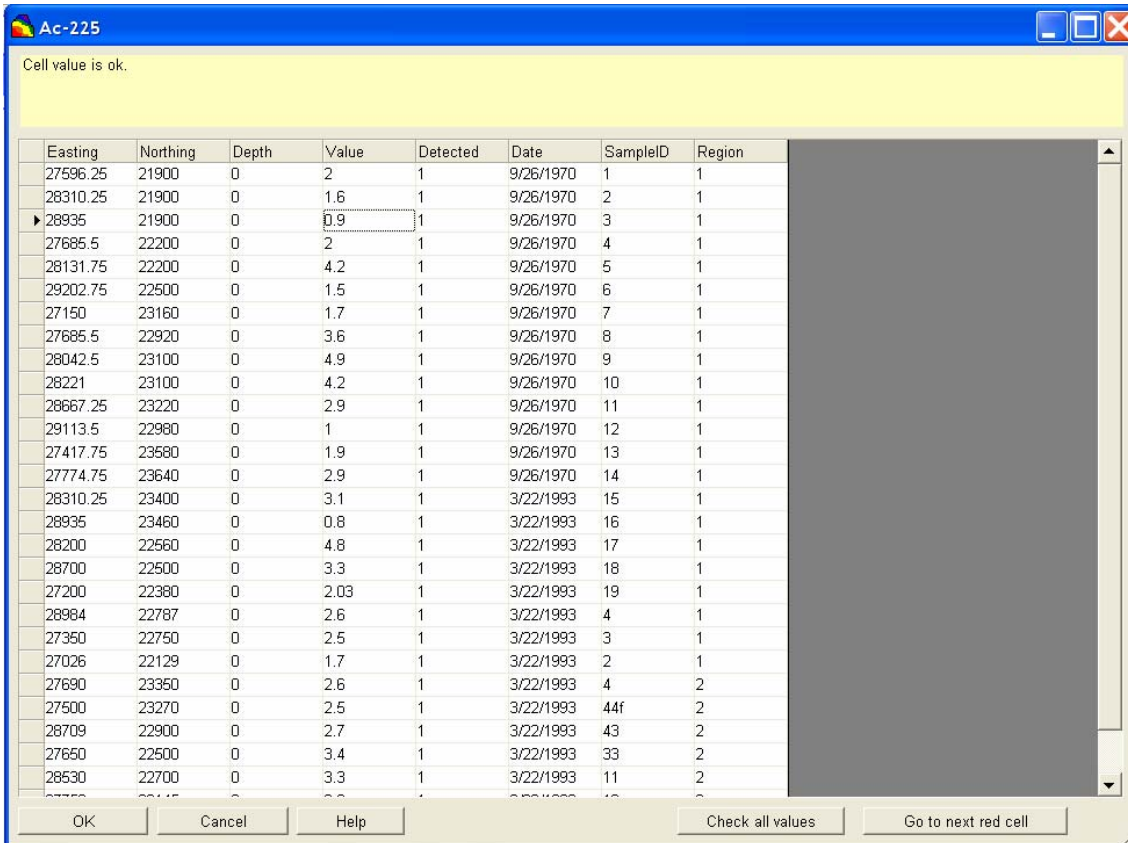
## Using The Data Editor

A very simple data editor is provided to allow minor changes to a point or measured value data set. If you have a large data set with a large number of errors (for example during import (link to data types), you should seriously consider fixing it outside of SADA as the editor is limited in features.

The data editor is presented to you in two locations. First, when you import point data values, if you have errors in those values, you will be presented with the data editor and an opportunity to correct them at that time.

The second location is found in the Data→Data Management→Edit Sampled Data Table....

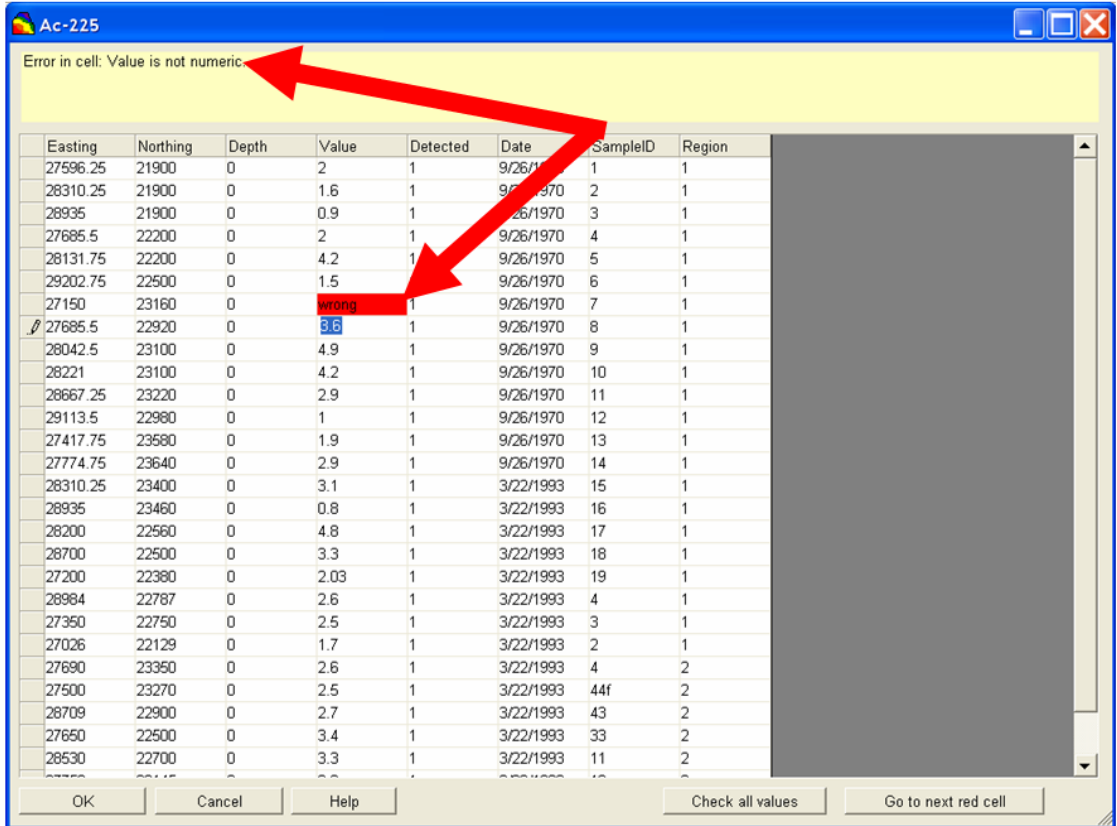
Open TwoDimensional.sda. Select from the menu Data→Data Management→Edit Sampled Data Table.... SADA presents you with the Data Editor.



At the top in the window's top bar, you'll see the name of your data set. Here it's the Ac-225 soil data. Underneath this there is a yellow box. This yellow box will report errors you may have in your data set. More on this in a moment.

Below the yellow box is the grid itself. To edit any value, simply place your mouse in the cell and click. Enter the value you like and the click in another cell to continue.

If you type a value that is invalid. SADA will turn the cell red. When you place your mouse over the red cell the yellow box reports the problem with the value.

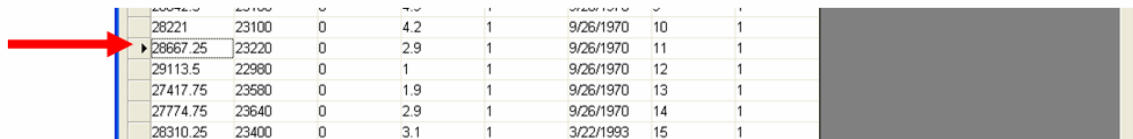


In the image above we've entered the text "wrong" into the value column. This column requires only numeric values. Placing the mouse over this cell updates the yellow box to report that the value is not numeric. To correct any errors, visit each red cell and enter a valid entry. If you have a number of errors scattered throughout your data set, you can use the Go To Next Red Cell button to navigate to the next row that contains a red cell.

If you encounter the Data Editor during the import process and an entire column is red, you have likely mismatched your columns. For example, you may have erroneously said the SampleID field in your data set was the Date field. This is a common error. You need to return to the column matching form and double check your matches.

You can do a complete check of all errors by pressing the Check All values button. However, SADA does a check of all values against data requirements when it loads the values and before it submits them. So don't worry about getting this kind of erroneous data getting in to the analysis.

You can enter delete a row of data by selecting the row selection field on the far left. A black arrow will appear in the row you selected. Press the Delete key on the keyboard.



You can add new data by visiting the bottom of the grid. You will find the last row there has a asterisk in the row selection field.



Simply start typing in this row and you are adding a record.

### Show Only Registered Contaminants

In SADA you have an opportunity to setup different analyses such as human health ecological risk and custom analysis through the Setup Menu (link). For measured point values you are required to register each data set (e.g. contaminant) you are interested in as part of the setup. Sometimes not all of your data sets (e.g. contaminants) will be registered because you don't want to register them or because they have no counterpart in the setup you are running.

For example, when a human health setup is complete, you can switch to human health using the analysis box. SADA responds by placing as a default only those data sets in the data set box that were registered during the setup. This is a simple maneuver to simplify your experience and declutter the interface with data sets that are not currently relevant. If you would like to see all the data sets (e.g. contaminants) whether they were registered or not simply select from the main menu

Data→Data Set Management→Show Only Registered Contaminants

This menu item is actually a toggle switch. If it is checked then you will see only registered data sets for the current analysis. If it is not checked you will see all available data sets.

You can now close your SADA file.