

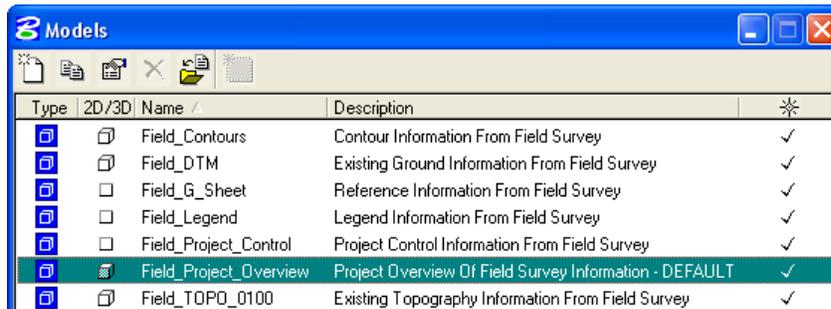
GEOPAK Zones and Models

Visualizing Elements Using Zones and Models

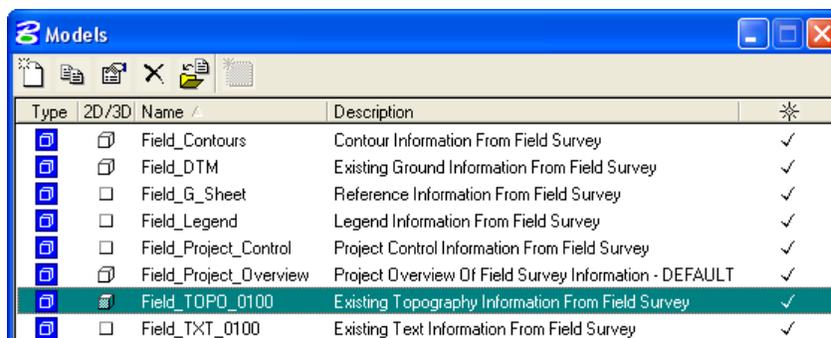
- 1) Each MicroStation file contains numerous models. Models allow the information contained in the file to be categorized for easier use by the customer. You can think of the MicroStation file as a notebook and the models as sheets within this notebook. When you open the “.sur” file for the first time, you should be in the *Field_Project_Overview* model. When first creating your datasets and importing the field information into GEOPAK, this is where everything will be drawn. Once the field survey is done and all of the information is correctly loaded into GEOPAK, you can delete all of the elements from this model. You are now ready to place the survey information into its correct and final model.
- 2) To change models, press the blue **Models** button on the *Primary Tools* bar.



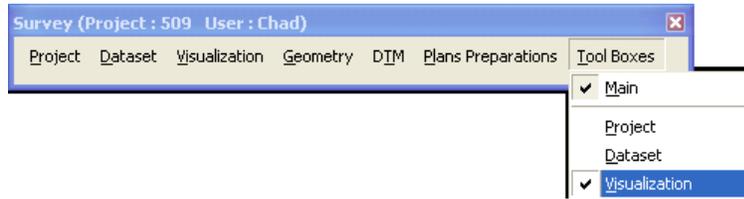
- 3) This will open the *Models* dialog box. The model highlighted in green is the active model and should be on the *Field_Project_Overview* model when opened for the first time.



- 4) Double-click on the **Field_TOPO_0100** model. This model has now opened and is the active model. We will now draw all of the field collected survey data related to the TOPO (plan view) model.



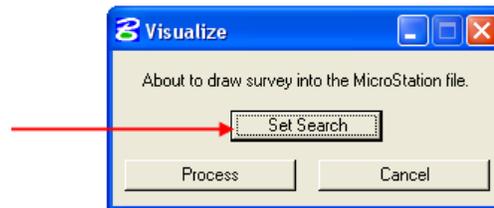
- 5) Select **Tool Boxes>Visualization** on the *Survey* tool bar. This will open the *Visualization* tool bar.



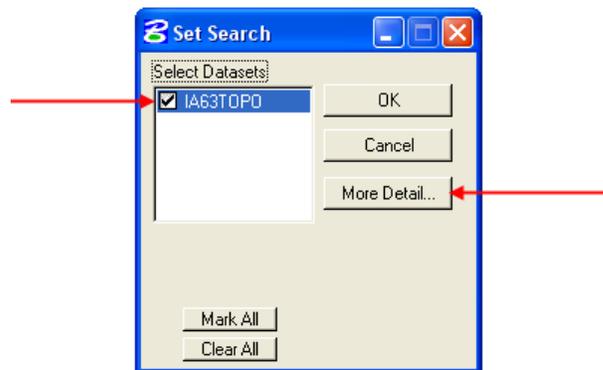
- 6) On the *Visualization* tool bar select **Visualize**. This will open the *Visualize* dialog box.



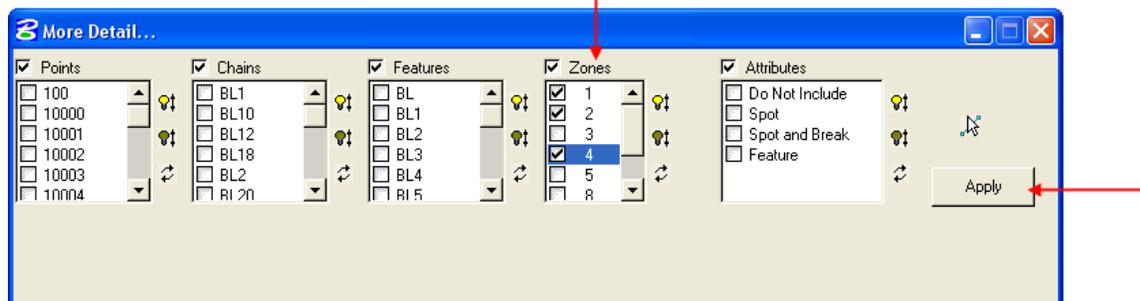
- 7) Select **Set Search** on the *Visualize* box. This will open the *Set Search* dialog box.



- 8) On the *Set Search* dialog box choose the datasets that you want to draw into this model. Usually you can press the **Mark All** button to select all of the datasets because we want to draw all of the items related to this model. After selecting the correct datasets, press **More Detail**. This will open the *More Detail...* dialog box.



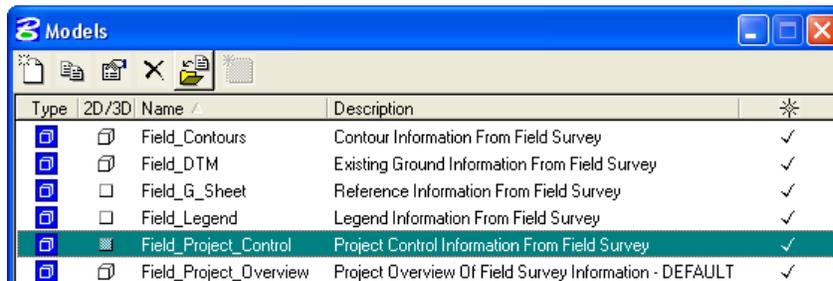
- 9) Now it is time to pick what *Zones* belong in this model. *Zones* is a GEOPAK term and mean a *group* of like objects. For a full description of what zones are placed in which model, see the instruction file *ZoneAndColorDesc.pdf*. For the *Field_TOPO_0100* model you want to pick zones **1, 2 and 4**. Press the **Apply** button and the *More Detail...* dialog box will go away.



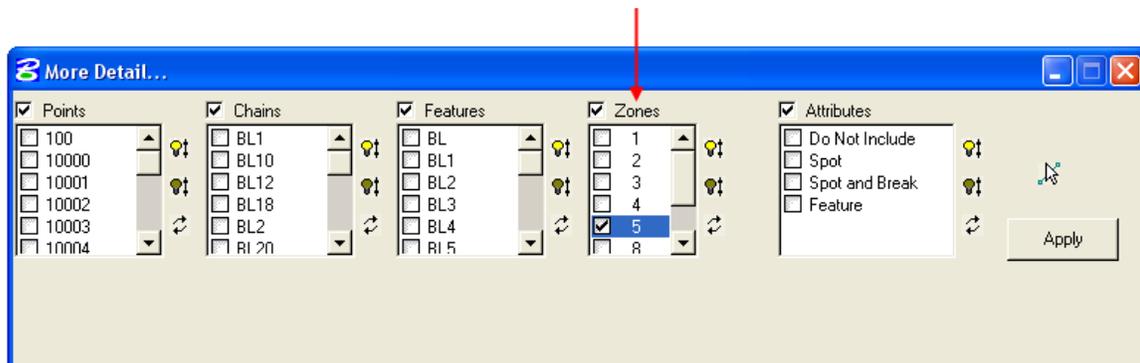
- 10) Press **Process** on the *Visualize* dialog box. All of the survey items from zones 1, 2 and 4 will now be drawn into the MicroStation model.



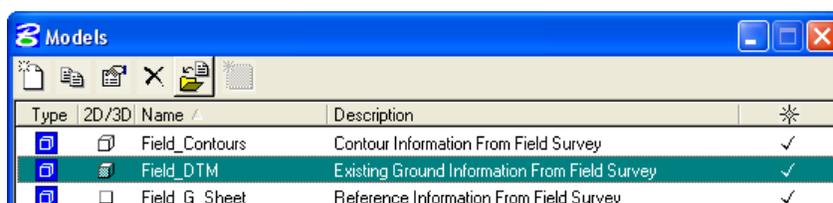
- 11) In the *Models* dialog box, double-click on **Field_Project_Control** to open the model.



- 12) Click on the **Visualize** button, **Set Search**, **select datasets**, and press **More Details** as in steps 5, 6 and 7 above. Then make sure that zone 5 is the only one checked for the *Project Control* model. Press **Apply**. Then press **Process** as in step 9. All of the survey information from zone 5 is now drawn into this model.



- 13) Double-click on **Field_DTM** in the *Models* dialog box to open this model.



- 14) Click on the **Visualize** button, **Set Search**, **select datasets**, and press **More Details** as in steps 5, 6 and 7 above. Then make sure that zones **2** and **3** are the only ones checked for the *DTM* model. Press **Apply**. Then press **Process** as in step 9. All of the survey information from zones 2 and 3 are now drawn into this model.

