Problems with Plans Developed using Toolkit 5

A number of issues popping up with Toolkit 6 are related to plans that were originally created in Toolkit 5.

These issues include the following:

- PLU labels are not working properly, even though they are attributed properly
- Practice polygon layer is not working properly
- Soils map is showing soils outside the planned area, and the soils report acreages are incorrect (too large).
- Tract boundary layer is not working properly

All of these problems appear to arise from incompatible geometries between ARCGIS 9.2 and ARCGIS 10.0. You will need to run the "Repair Geometry" tool to correct this issue.

The information below was provided by the Toolkit Coordinator in Washington. Follow the steps to correct the geometry on Land_Units in the Base Layer. This should correct any of the issues shown above.

If you are having problems with the Soil Maps, please note that if a default soils map shapefile is already present in the Resource Maps folder, you will get an error if you try to overwrite with the default name (default name = soils_map_out.shp). Either give the soils map another name, OR it is best to delete existing soils maps in the Resource Maps folder prior to developing a new soils map.

If you have any problems or need additional help, contact Jerry Korol or Dee Carlson.

Helpful Hint—How Fix Land Units Created in ArcGIS9.2 to Enable Labeling and to Correct Problems with Symbology

Version:	Toolkit 6.0 ArcGIS 10.0
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Helpful Hint Date:	02/13/2013

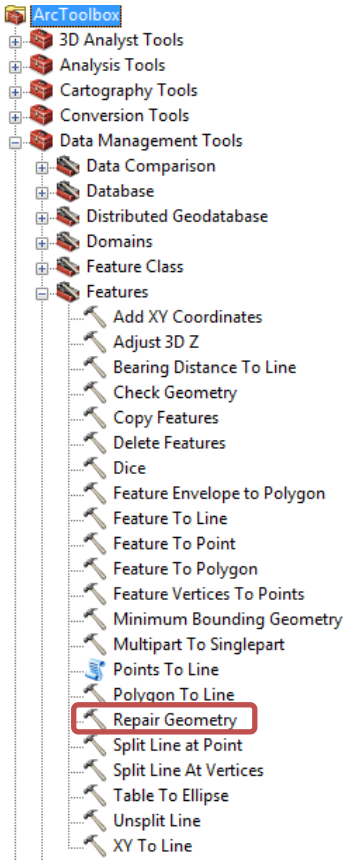
Background: A problem with labels has been identified when trying to create labels for Planned Land Units (PLU) that were created using ArcGIS 9.2. The Toolkit Label Tool appears to work and creates and annotation layer, but nothing is displayed. A Toolkit Developer believes that geometries created in previous versions of ArcGIS have a different ring ordering than what ArcGIS 10.0 expects. When the labeling tool attempts to place the label at the centroid of the feature, it cannot because the geometry is not valid, and, therefore, does not have a valid centroid.

There is another potential problem that you may encounter when using the Practices style sheet. The map will display correctly on the screen, but when it is printed (or viewed in print preview), the fill areas are in the wrong place. They will actually be outside of the practice areas. If this is the case, select the **practice_instance_polygon** feature class from the **Base Layer in step 5**.

These instructions will tell you how to manually repair this problem. It is hoped that the Repair can be automated so that Toolkit Users will not have to do this every time they want to label a PLU that was created in ArcGIS 9.2.

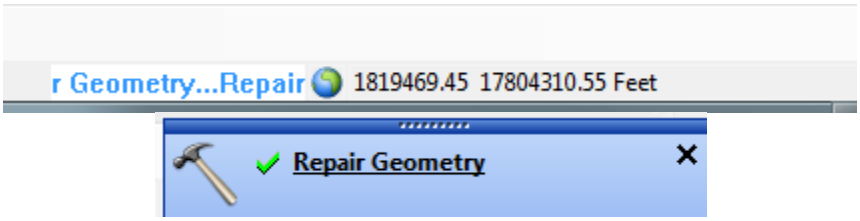
Procedure:

1. In ArcMap, open ArcToolbox by clicking on the Toolbox icon  .
2. Click on the plus sign next to **Data Management Tools** to expand it.
3. Expand **Features** in the **Data Management Tools** to reveal the Tools contained in it.



4. Double click on **Repair Geometry** to open the Tool.
5. For the **Input Features**, use the pull-down arrow and select **Land_Unit** from the Base Layer.

6. Leave the check mark beside the **Delete Features with Null Geometry (optional).** This will remove features that have NULL geometry. This is the default.
7. Click OK.
8. Be patient, Repair Geometry will appear near the bottom right side of the screen. This will be followed by a pop-up letting you know if it was successful. You may receive a warning message here, but if you open it and scroll to the bottom, the status will probably say it was successful.



9. When this is completed, try creating labels. The Label Maker  should work.

NOTE: Since this procedure is repairing the geometry in the **land_unit** or the **practice_instance_polygon** feature class in the **Base Layer**, it is correcting the geometry of all of the PLU's or practice polygons that are in your Personal Geodatabase for all the Customers you have checked out at the time the Repair Geometry tool is used.