

## 8.21 The Polylines to Polygons Menu Command

**W**ith the *Polylines to Polygons* menu command the user is able to convert polyline features into polygon features. The user activates the layer(s) in the Table of Contents to be processed. If there are no line layers selected, an appropriate error message is displayed. If the line layer contains selected features then only the selected features are processed, otherwise, all features in the layer are processed. The polygon features that are created are stored in the current active layer. This option is similar to the Convert Polyline to Polygon option in the Offset 1 command |PARL LN| with the exception that multiple features can be processed in a single operation, rather than just one.

To use this command the user should:

- **1** Select the **lines features** to be processed using native ArcMap functionality or the  *Select Features from Active Layers* tool, whichever the user prefers. If all line features are to be processed this step can be skipped.
- **2** Scroll down in the **table of contents area**, and **click** at the label of one, or more layers that contain the line features to be processed.
- **3** Scroll down in the {CEDRA-Polygon-Tools} menu combo box, and **select** the [Polylines to Polygons] menu command (see Figure 8-1).

If there are no layers in the view or active line layers, an appropriate error message will be displayed. If there is at least one active line layer the processing continues. At this point the command cycles through the line features in the active line layers processing only the selected features, if any, or all features in the layer if there are no selected features in the layer. As each line is processed the line is converted into a polygon feature and stored in the current active layer. If the line does not represent a closed figure the command will add a segment connecting the last point in the polyline with the start point to force a closed figure.

If the line feature contains true curves, (circular, elliptical or bezier) and the featureclass to contain the polygon feature is a file geodatabase or enterprise database, the true curves will be maintained. If this is not the case, the curves will be discretized into line segments. A minimum number of 40 line segments will be introduced to maintain a smooth looking curve.

This command is designed to process single part polyline features.

## POLYLINES TO POLYGONS MENU COMMAND