


## Edit Spatial Information

These tools let you edit spatial information on a map. By default, they are accessible from the Edit Spatial Info toolkit. However, because all toolkits are configurable, your administrator may have moved the tools to a different toolkit.

### Create an island polygon

Here's how to create a polygon within another polygon.

#### Before you begin:

- Make sure to start an edit session in ArcMap. See ESRI Web help: [http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting\\_and\\_stopping\\_an\\_edit\\_session](http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting_and_stopping_an_edit_session)
  - Make sure the feature layer you want to work with is selected.
- From ArcMap, select the **Spatial Edit Tools** toolkit from the pull-down menu on the **Toolkits** toolbar. **Note:** By default, the **Spatial Edit Tools** toolkit and its tools are accessible from the **Toolkits** toolbar. However, because the **Standard** and **Toolkits** toolbars are configurable, your administrator may have moved the spatial editing tools to a different toolbar or toolkit.
  - The spatial editing tools appear. Select exactly one feature.
  - Click the **Island** tool (). The cursor will change to the sketch tool.
  - Sketch the polygon by single-clicking the points that define the polygon. The polygon must be entirely within the selected feature; otherwise you will be notified that the sketch is invalid. When the polygon is complete, right-click the final point and select **Finish Sketch** from the pop-up menu.
  - You now have two different features, one within the other.




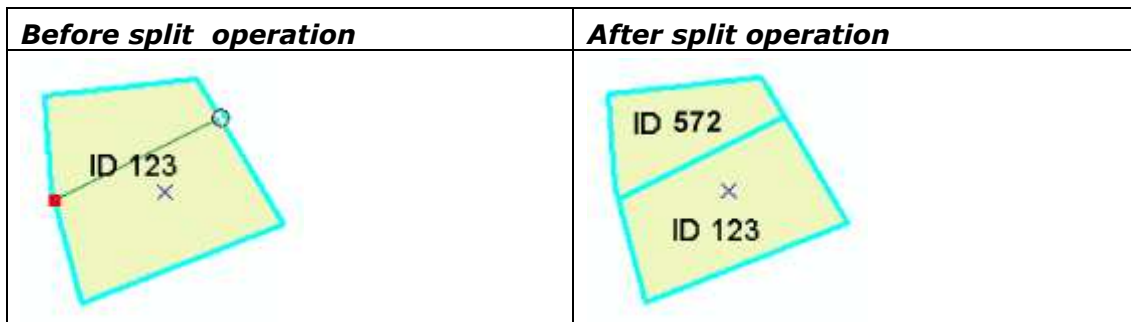
### Split a polygon

Here's how to split a single polygon into two polygons.

#### Before you start:

- Make sure to start an edit session in ArcMap. See ESRI Web help: [http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting\\_and\\_stopping\\_an\\_edit\\_session](http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting_and_stopping_an_edit_session)
  - Make sure the feature layer you want to work with is selected.
- From ArcMap, select the **Spatial Edit Tools** toolkit from the pull-down menu on the **Toolkits** toolbar. **Note:** By default, the **Spatial Edit Tools** toolkit and its tools are accessible from the **Toolkits** toolbar. However, because the **Standard** and **Toolkits** toolbars are configurable, your administrator may have moved the spatial editing tools to a different toolbar or toolkit.
  - The spatial editing tools appear. Select exactly one feature.


3. Click the **Split** tool () . The cursor changes to the sketch tool.
4. Sketch a line that divides the polygon by single-clicking the points that define the line. When the line is finished, right-click the final point and select Finish Sketch from the pop-up menu.
5. You now have two features with their own attributes. In the example below, after the split, the larger piece retains the original feature attributes, but its acreage is updated. The smaller piece becomes a new feature with a new ID, and all relevant attributes are transferred, with the acreage updated.

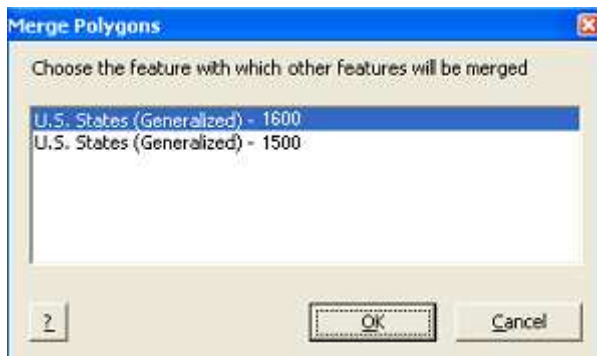


## Merge polygons

Here's how to merge two or more polygons.

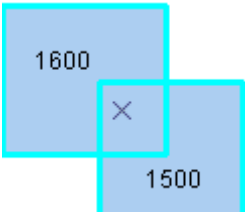
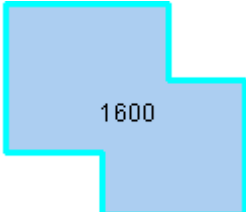
### Before you start:

- Make sure to start an edit session in ArcMap. See ESRI Web help: [http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting\\_and\\_stopping\\_an\\_edit\\_session](http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting_and_stopping_an_edit_session)
  - Make sure the feature layer you want to work with is selected.
1. From ArcMap, select the **Spatial Edit Tools** toolkit from the pull-down menu on the **Toolkits** toolbar. **Note:** By default, the **Spatial Edit Tools** toolkit and its tools are accessible from the **Toolkits** toolbar. However, because the **Standard** and **Toolkits** toolbars are configurable, your administrator may have moved the spatial editing tools to a different toolbar or toolkit.
  2. The spatial editing tools appear. Select exactly two or more features.
  3. Click the **Merge** tool () . A dialog appears listing the selected features.



- Select the feature into which the others will be merged. The selected feature is the feature whose attributes will be preserved (feature 1600 in this example).
- Click **OK**.


- The system merges the individual features into a single feature with the attributes of the feature that was selected (feature 1600 in the example). The merged polygon acreage is also updated.

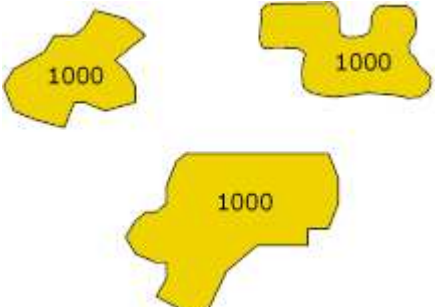
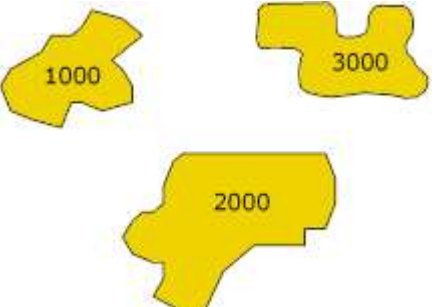
<b>Before merge operation</b>	<b>After merge operation</b>
	

## Explode a polygon

Here's how to explode a multi-part polygon.

### Before you start:

- Make sure to start an edit session in ArcMap. See ESRI Web help: <http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting and stopping an edit session>
  - Make sure the feature layer you want to work with is selected.
- From ArcMap, select the **Spatial Edit Tools** toolkit from the pull-down menu in the **Toolkits** toolbar. **Note:** By default, the **Spatial Edit Tools** toolkit and its tools are accessible from the **Toolkits** toolbar. However, because the **Standard** and **Toolkits** toolbars are configurable, your administrator may have moved the spatial editing tools to a different toolbar or toolkit.
  - The spatial editing tools appear. Select a multi-part polygon feature. This is a feature that, when you select it, all other features of the multi-part polygon are selected as well, and they all have the same ID.
  - Click the **Explode** tool (  ).
  - The system creates individual features from the multi-part polygon(s). Now when you select a multi-part polygon, only that feature is selected. This means that when you select one of the features, only one will be selected. Each feature now has a unique ID.

<b>Before explode operation</b>	<b>After explode operation</b>
	

## Embed polygons

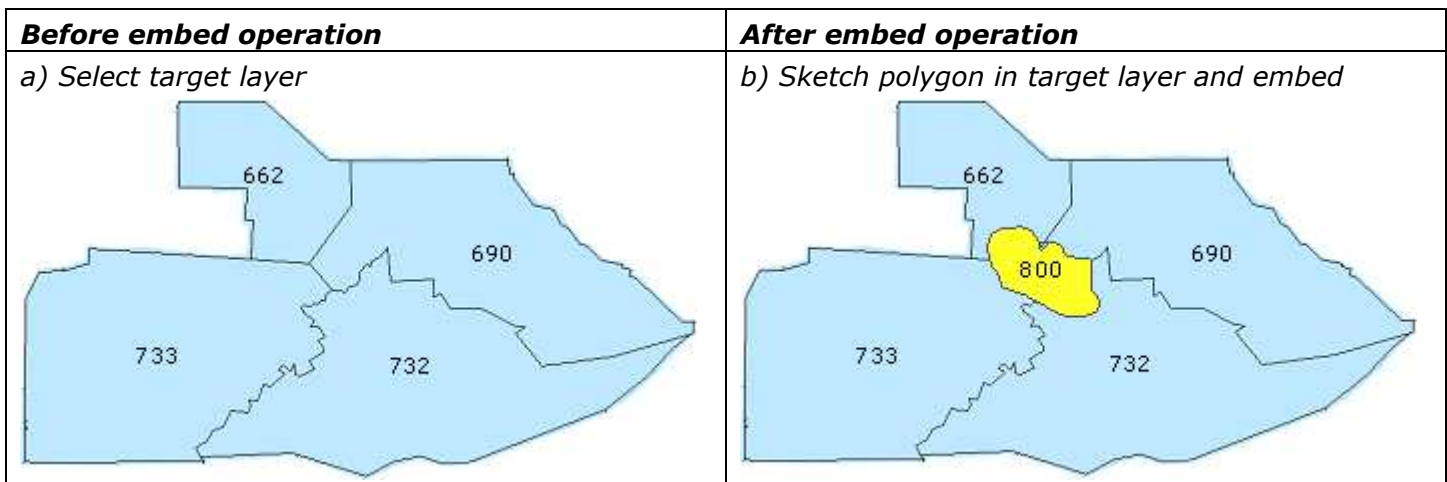
Here's how to embed one polygon into the "fabric" of surrounding polygons. The embedded polygon acts like a cookie-cutter—cutting into the polygons in the target layer that intersect it, and merging the cut pieces into a new feature. The embedded polygon must intersect existing polygons.

### Before you start:

- Make sure to start an edit session in ArcMap. See ESRI Web help: [http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting\\_and\\_stopping\\_an\\_edit\\_session](http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?id=471&pid=466&topicname=Starting_and_stopping_an_edit_session)
  - Make sure the feature layer you want to work with is selected.
- From ArcMap, select the **Spatial Edit Tools** toolkit from the pull-down menu on the **Toolkits** toolbar. **Note:** By default, the **Spatial Edit Tools** toolkit and its tools are accessible from the **Toolkits** toolbar. However, because the **Standard** and **Toolkits** toolbars are configurable, your administrator may have moved the spatial editing tools to a different toolbar or toolkit.
  - The spatial editing tools appear. You can embed a polygon in two ways: by sketching or selecting.

### Sketch the polygon you want to embed

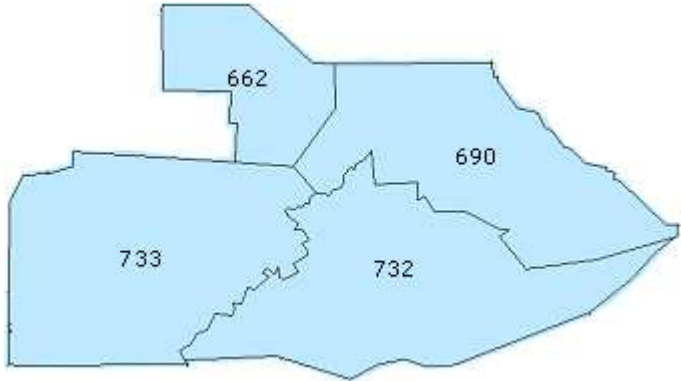
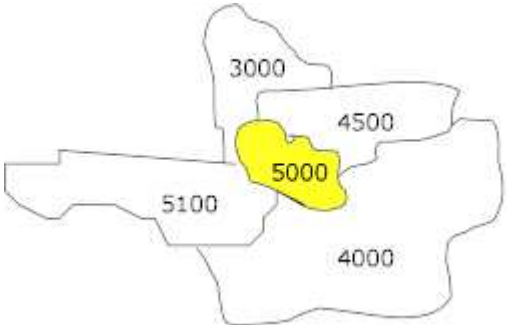
- Set the edit target to the layer you want to edit—the layer you want to embed the polygon into.
- Click the **Embed** tool. The Embed Polygon dialog appears.
  - The specified target layer is the current edit target.
  - Click the radio button to **Sketch a polygon** and click **OK**. The cursor changes to the sketch tool.
  - Sketch the polygon by single-clicking the points that define the polygon. When the polygon is complete, right-click the final point and select **Finish Sketch** from the pop-up menu.
- The sketched polygon is now embedded into the specified target layer.



### Select the polygon you want to embed

**Note:** This option is available ONLY if you've selected one feature in the map AND that feature is not part of the target layer.

1. Set the edit target to the layer you want to edit—the layer you want to embed the polygon into.
2. Select a polygon feature from ANOTHER layer.
3. Click the **Embed** tool. The Embed Polygon dialog appears.
  - The specified target layer is the current edit target.
  - Click the radio button to **Use selected polygon**.
4. The selected polygon is now embedded into the specified target layer.

<b>Before embed operation</b>	<b>After embed operation</b>
<p><i>a) Select target layer</i></p>  <p><i>b) Select a polygon feature from another feature layer</i></p> 	<p><i>c) Embed selected feature in target layer</i></p> 