

# ArcGis · 9

---

Geodatabase QuickStart Tutorial – 6<sup>st</sup> part

## Exercise 9: Using the Attribute Transfer tool

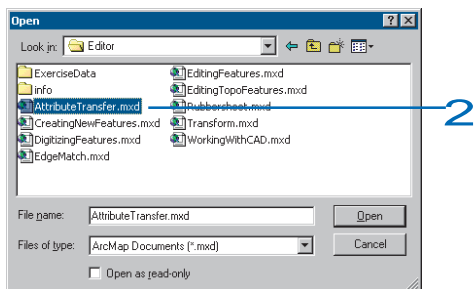
The Attribute Transfer tool is used to transfer attributes from features in a source layer to features in a target layer. Source and target layers and the attributes to be transferred are defined in the Attribute Transfer Mapping dialog box. The Attribute Transfer tool is then used to interactively transfer those attributes between features of the source and target layers.

In this exercise you'll transfer the street name and type from an existing street to a new street recently added to the database.

### Starting ArcMap and beginning editing

Before you can complete the tasks in this tutorial, you must start ArcMap and load the tutorial data.

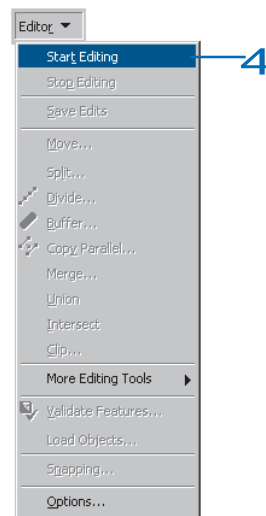
1. Double-click a shortcut installed on your desktop or use the Programs list in your Start menu to start ArcMap.
2. Click the Open button on the Standard toolbar. Navigate to the AttributeTransfer.mxd map document in the Editor directory where you installed the tutorial data. (C:\ArcGIS\ArcTutor is the default location.)



3. Click the Editor Toolbar button on the Standard toolbar to add the Editor toolbar to ArcMap.



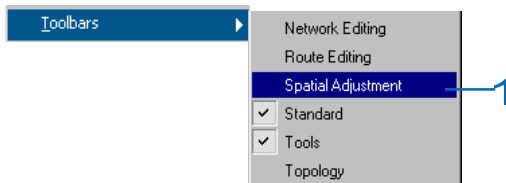
4. Click the Editor menu and click Start Editing.





## Adding the Spatial Adjustment toolbar

1. Click the View menu, point to Toolbars, then click Spatial Adjustment to add the Spatial Adjustment toolbar to ArcMap.



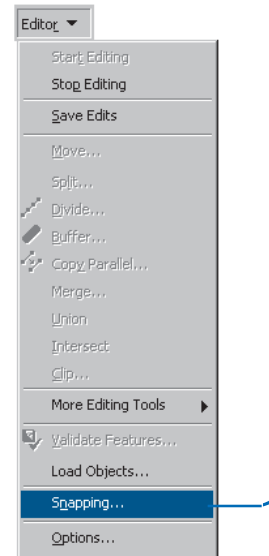
The Spatial Adjustment toolbar appears.



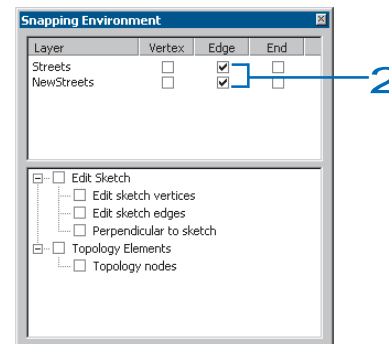
## Setting the snapping environment

Before you transfer attributes, you should set your snapping environment for your source and target layers. This will ensure that you select the correct feature when using the Attribute Transfer tool. For more information about snapping, see *Editing in ArcMap*.

1. Click the Editor menu and click Snapping to display the Snapping Environment window.



2. Check the Edge check boxes next to the Streets and NewStreets layers. Close the dialog box.

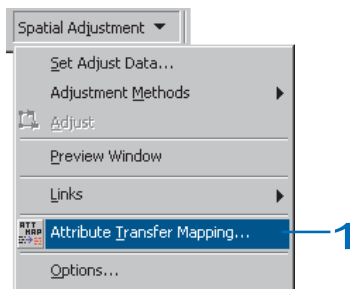




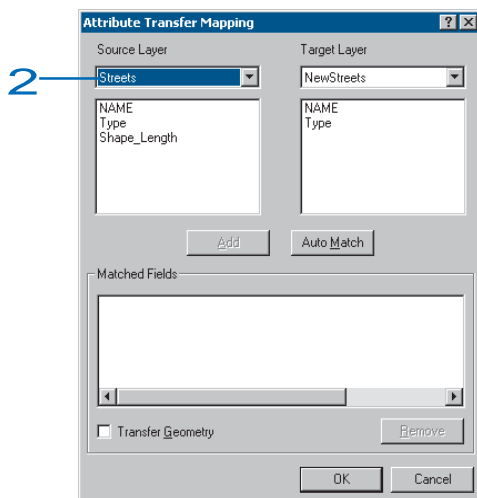
## Setting the source and target layers

The first step in the Attribute Transfer process is to set the source and target layers. The Attribute Transfer Mapping dialog box allows you to define these settings.

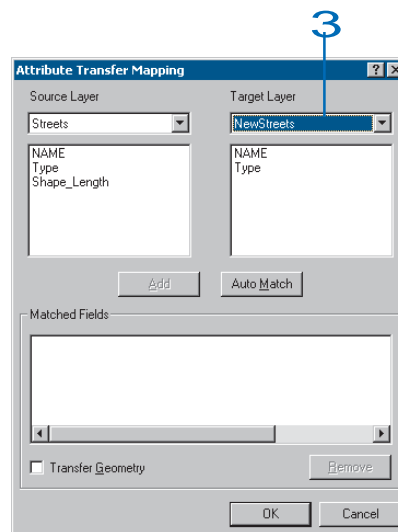
1. Click the Spatial Adjustment menu and click Attribute Transfer Mapping.



2. Click the Source Layer dropdown arrow and click the Streets layer.



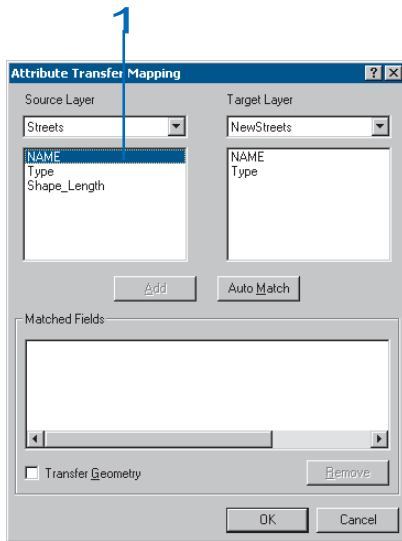
3. Click the Target Layer dropdown arrow and click the NewStreets layer.



## Mapping source and target fields

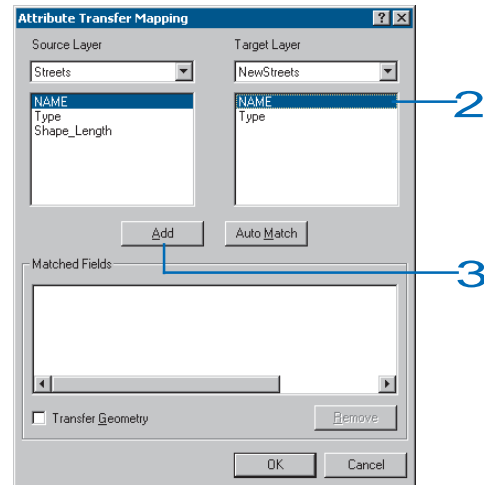
The next step is to specify which fields to use for the attribute transfer. You will select a field in the source layer and match it to a corresponding field in the target layer. The Attribute Transfer tool will use these matched fields to determine which data to transfer.

1. Click the NAME field in the Source Layer field list box.



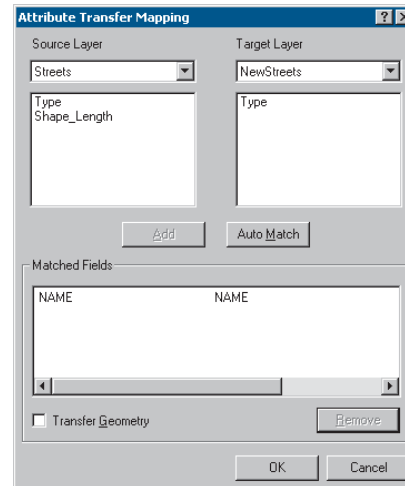
2. Click the NAME field in the Target Layer field list box.

3. Click Add.



The fields are now added to the Matched Fields list box.

4. Repeat the same steps for the Type fields and click OK.

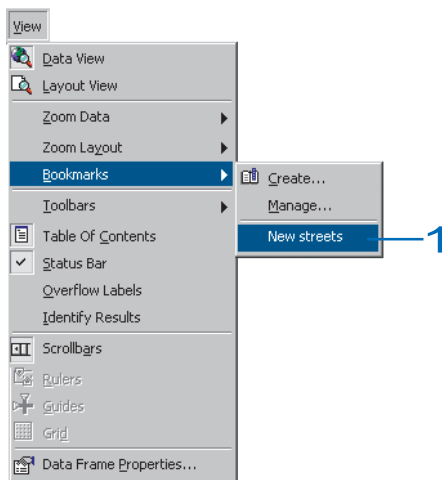


## Locating the adjust data

Spatial bookmarks are named extents that can be saved in map documents. Creating a bookmark for areas that you visit frequently will save you time. For information on how to create and manage spatial bookmarks, see *Using ArcMap*.

You will now zoom to a spatial bookmark created for this exercise.

1. Click the View menu, point to Bookmarks, then click New streets to set the current view to the edit area of this exercise.



When the display refreshes, you should see the following area in your map:





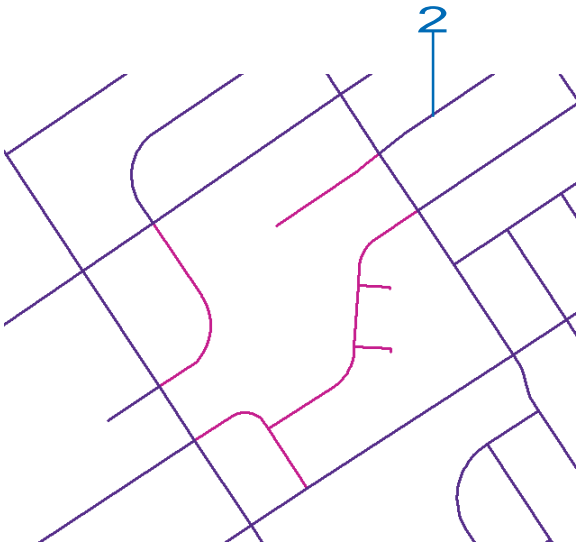
## Identifying features for the attribute transfer

Prior to performing the attribute transfer, you will need to verify the attributes of the source and target features. This can be done using the Identify tool.

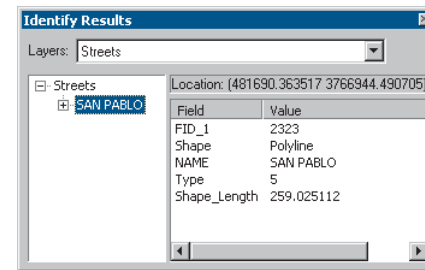
1. Click the Identify tool. The Identify Results dialog box appears.



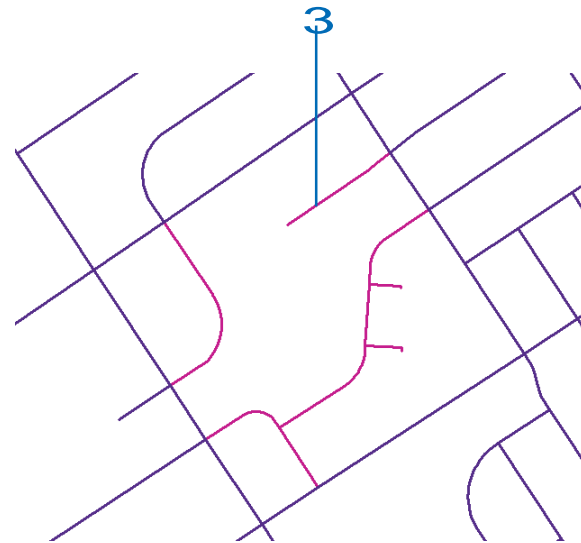
2. Click the source feature indicated, as shown below.



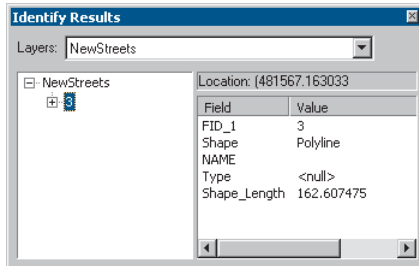
Notice the NAME and Type field attributes. These attribute values will be transferred to the target feature.



3. With the Identify tool still active, click the target feature, as shown below.



The Identify Results dialog box now displays information about the target feature. Notice the NAME and Type fields; attribute values for these fields will be transferred to the target layer from the Streets layer.



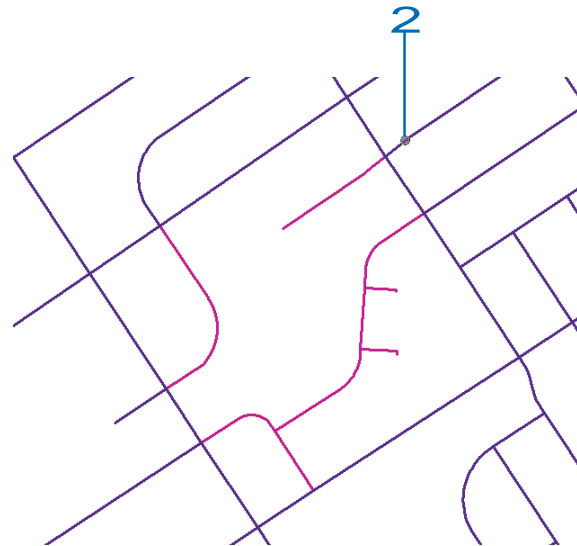
## Using the Attribute Transfer tool

You will now use the Attribute Transfer tool to transfer the source feature attributes to the target feature.

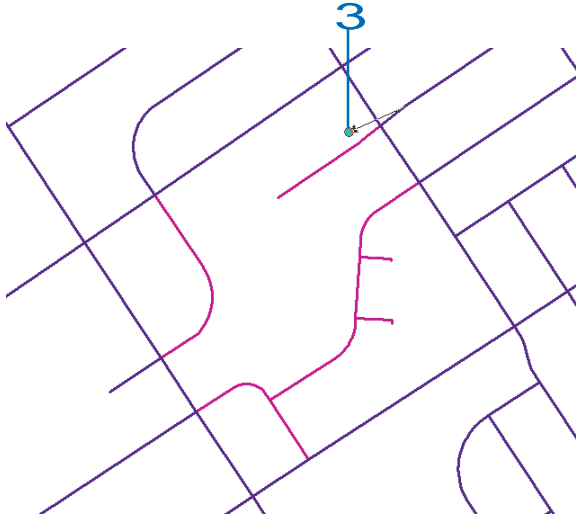
1. Click the Attribute Transfer tool on the Spatial Adjustment toolbar.



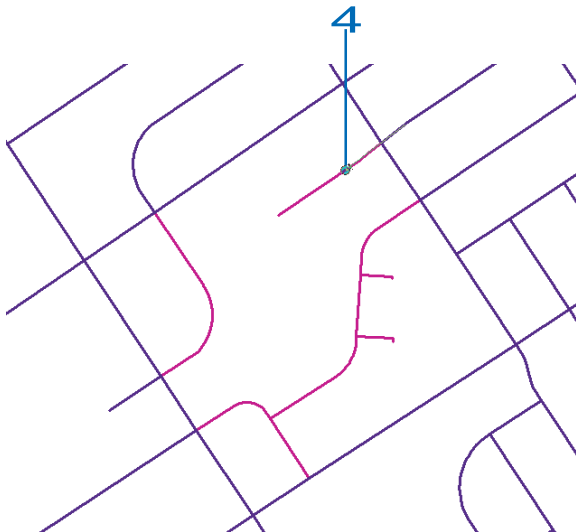
2. Snap to an edge of the source feature, as shown below.



3. Drag the link toward the target feature.



4. Snap to an edge of the target feature and click.



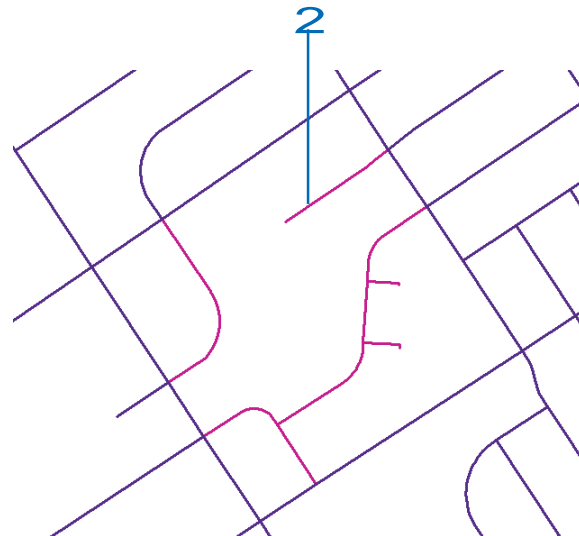
## Verifying the results of the attribute transfer

Now that you have transferred the attributes from the source feature to the target feature, it is a good idea to verify that the target feature was updated with the proper information.

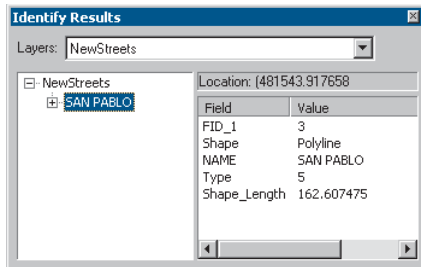
1. Click the Identify tool.



2. Click the target feature.



The NAME and Type fields in the target feature should reflect the new attributes:



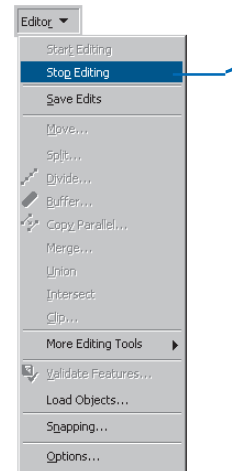
## Transferring attributes to multiple features

To transfer the attributes of a source feature to multiple target features, hold down the Shift key while selecting the target features.

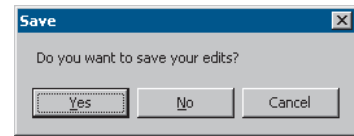
## Saving your edits

If you are satisfied with the results of the attribute transfer, you can stop editing and save your edits.

1. Click the Editor menu and click Stop Editing.



2. Click Yes to save your edits.



In this exercise, you learned how to transfer attributes from a source layer to a target layer. For more information about the Attribute Transfer tool, see the 'Spatial adjustment' chapter in *Editing in ArcMap*.