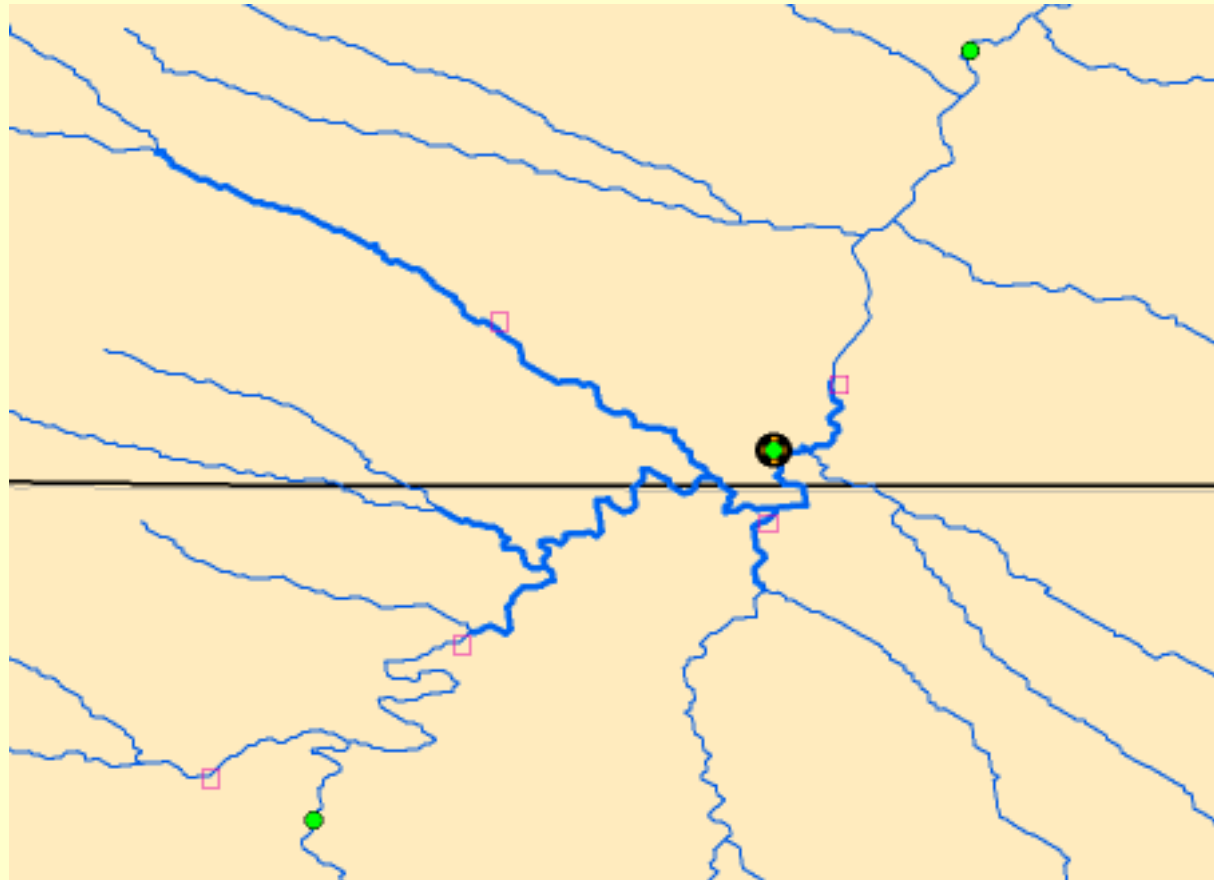# Border Crossing Process

- Reaches with drainage areas greater than 500 sq. mi and adjacent reaches are shown in thick blue lines

- "Contender" stations initially identified as best representing discharges from these reaches are shown with an orange cross in a black circle

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1

Border Crossing Process, cont'd

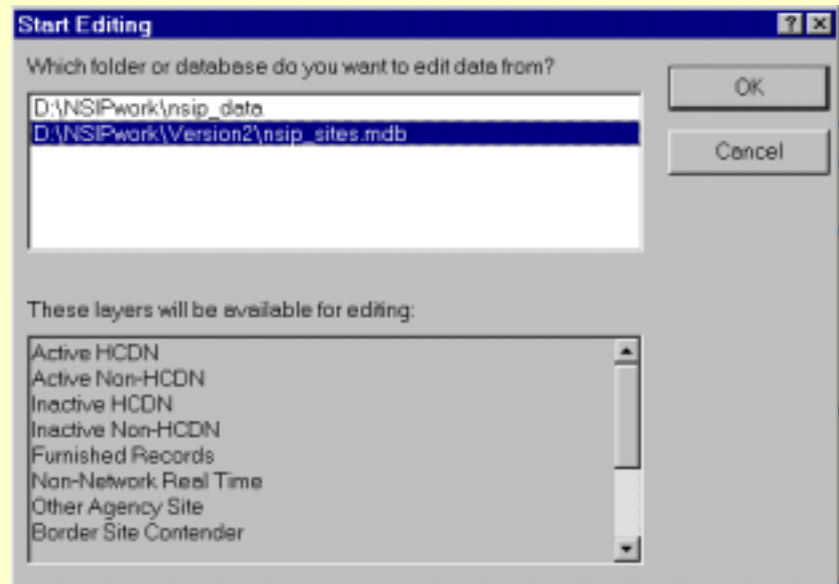1. Zoom in to the thick blue reaches
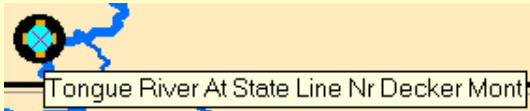

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Border Crossing Process, cont'd

2. Determine if a contender station has been selected for the reach in question

3. If there is a contender station, determine if the selection is correct by using the identify tool to examine the attributes of all other nearby stations and reaches

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Border Crossing Process, cont'd

4. Click Editor in the Editor toolbar, then click Start Editing

5. When the Start Editing window appears, select the nsip_sites.mdb file that you saved on your hard drive
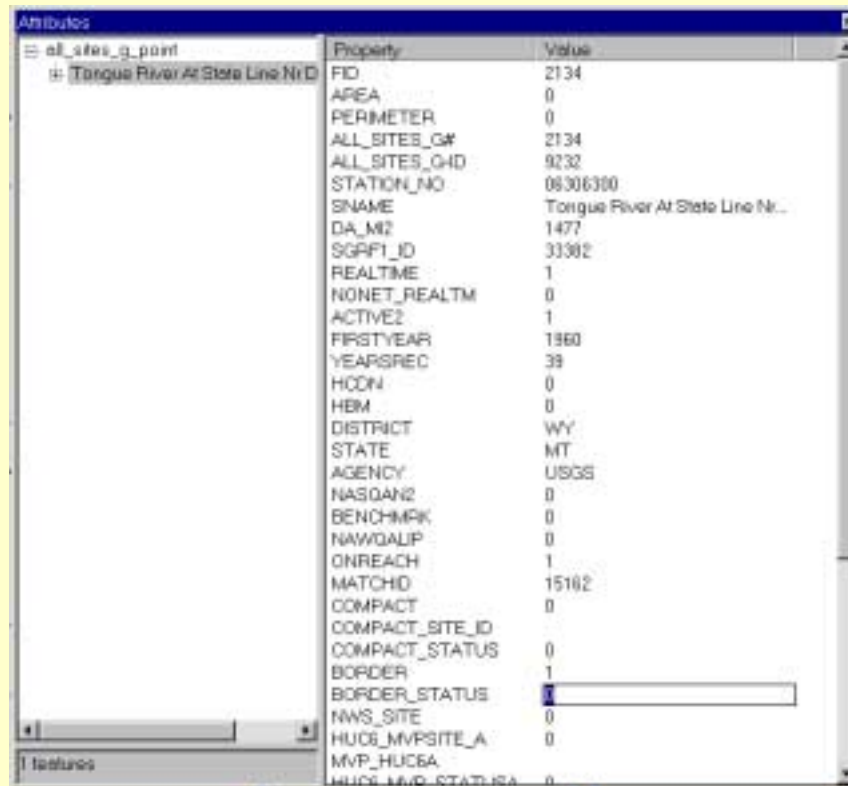
Border Crossing Process, cont'd

6. If the contender station is correct:

    a. Click on the Edit button in the Editor Toolbar

    b. Click on the contender site, making it turn blue

    c. Click on the Attributes button in the Editor Toolbar to make the Attributes table appear

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Border Crossing Process, cont'd

d. Click in the Value field to the right of the BORDER_STATUS attribute and change the Value from 0 to 1

Border Crossing Process, cont'd

e. Set the BORDER attribute to 1 if it is not already set

f. Click on the X in the top right corner of the Attribute table window to close it

g. The orange cross on the map will turn red

h. Click on the Editor button in the Editor Toolbar again `Editor ▾`

i. Click on Save Edits

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Border Crossing Process, cont'd

7. If the contender station is incorrect:

   a. Follow steps 6 a. to 6 g., except select the station you feel is most appropriate and change its BORDER attribute to 1 and BORDER_STATUS attribute to 2

   b. Select the original contender station, then change its BORDER and BORDER_STATUS attributes to 0

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Border Crossing Process, cont'd

8. If no contender station was selected, either

    a. Select the station you feel is most appropriate and change its BORDER attribute to 1 and BORDER_STATUS attribute to 2, as in 7 a., **OR**

    b. Click on the Create New Feature button in the Editor toolbar

Border Crossing Process, cont'd

c. Click on a location along the highlighted reach to mark the map location with a blue circle

d. Click on the Attributes button in the Editor Toolbar to make the Attributes table appear

e. Set the BORDER_STATUS to 1 and BORDER attribute to 2, and add any other attributes for the new station

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TIP!

To select from among more than one station at the same location:

1. Determine the station type by its symbol or by using the Identify tool
2. Click on the Selection pull-down menu, then on Set Selectable Layers
3. Turn off all but the station type that you want to select
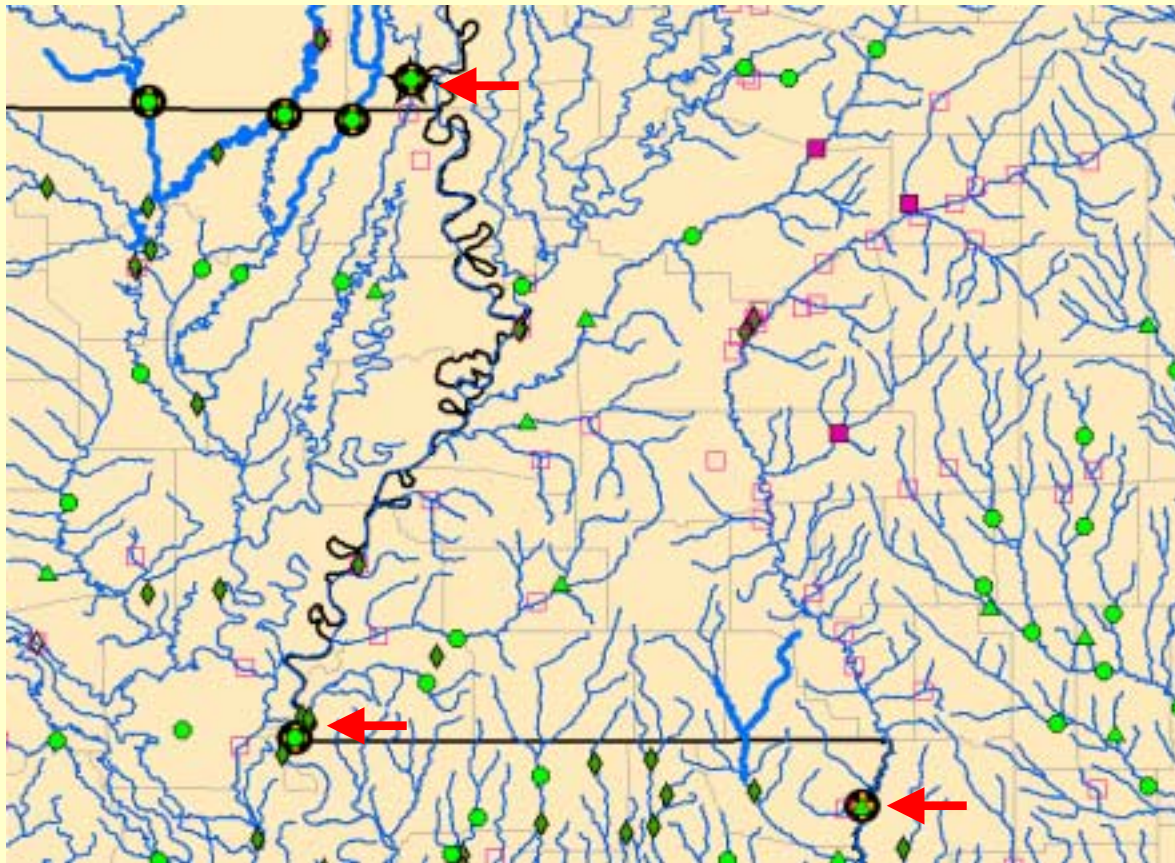4. Turn all the types back on when you are done

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TIP!

Sometimes more than one station needs to be selected to document flows across state borders; for instance, when there is no station on the reach that crosses the border but there are stations on the main-stem reach above it and on a major tributary that also enters the border reach

Rivers That Form Borders

- Reaches along rivers that form state or international borders are not highlighted in thick blue

- USGS stations near border crossings where rivers flow from one state to another have been selected as contenders

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Example Map With Red Arrows Indicating Contender Stations Along the Mississippi and Pearl Rivers

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Rivers That Form Borders, cont'd

- These stations should be reviewed to confirm that they are the best candidate stations to quantify flows across the state boundaries

- Additional existing stations or new stations should be added where appropriate

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