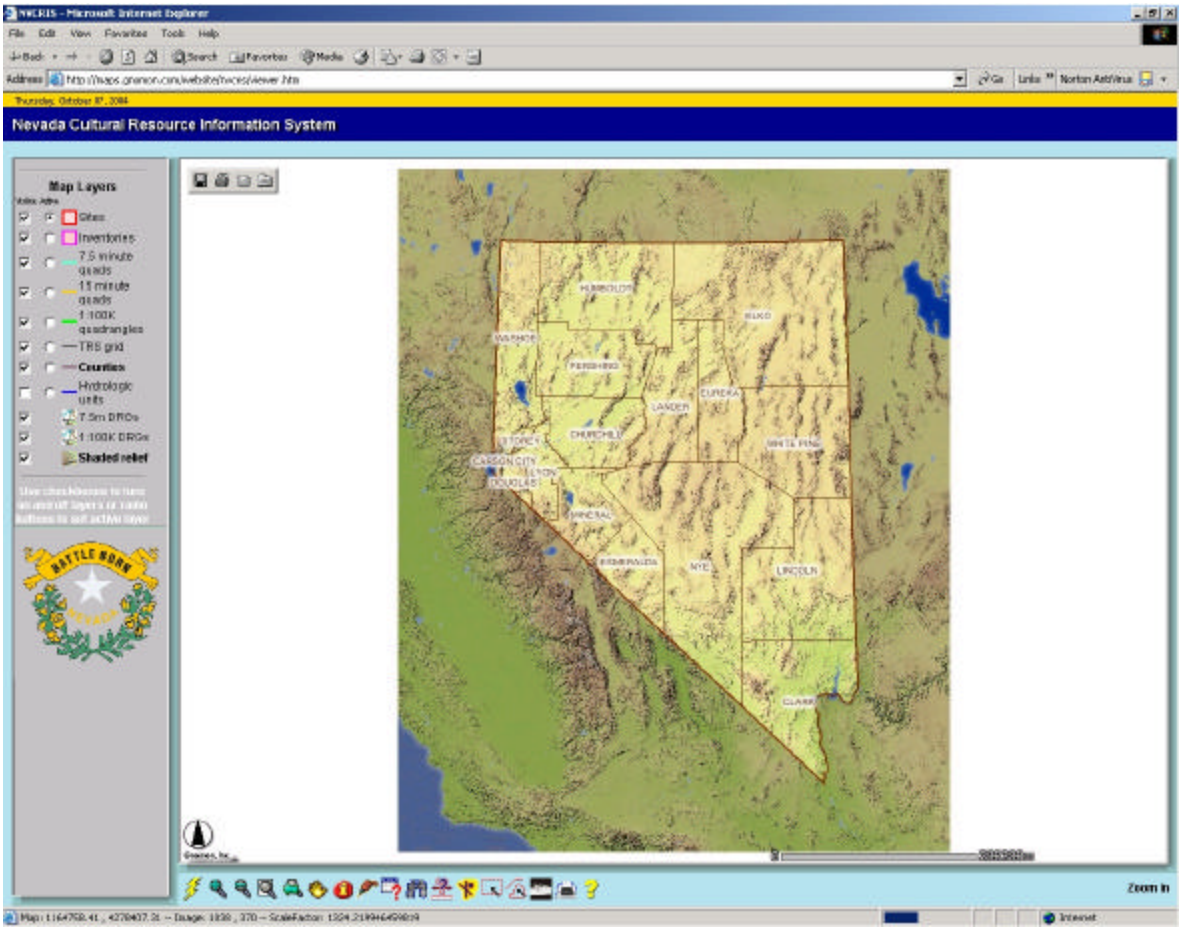
Lesson Two

In Lesson Two, we will learn simple methods to construct a Query statement that will refine your data search.

Query Data

- Navigate to the NVCRIS website.



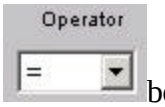
- Make sure that County is the active Layer. 

- Then select the Query Button  from the Button bar.

A query box appears at the bottom of the map.

Use the pulldown menus to enter the query data. All fields within the active layer may be queried against the field attributes for that data set.

- In the **Field** 

box, select County.
- From the 

box, select =.
- Select 

and default values are placed in the Value box.
- Scroll down and select "CARSON CITY".

Alternatively, type "CARSON CITY" in the value box.

Note: Fields are case sensitive, and since they are data strings, must be enclosed by " "s.

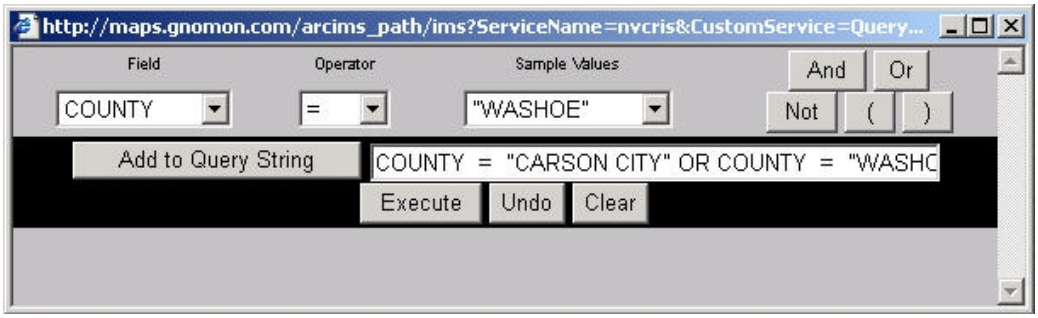
- Click 

. The query is placed in the query string box.

Multiple queries can be constructed by repeating the process. Using the same process, we will include Washoe County in the query string.

- Click the 

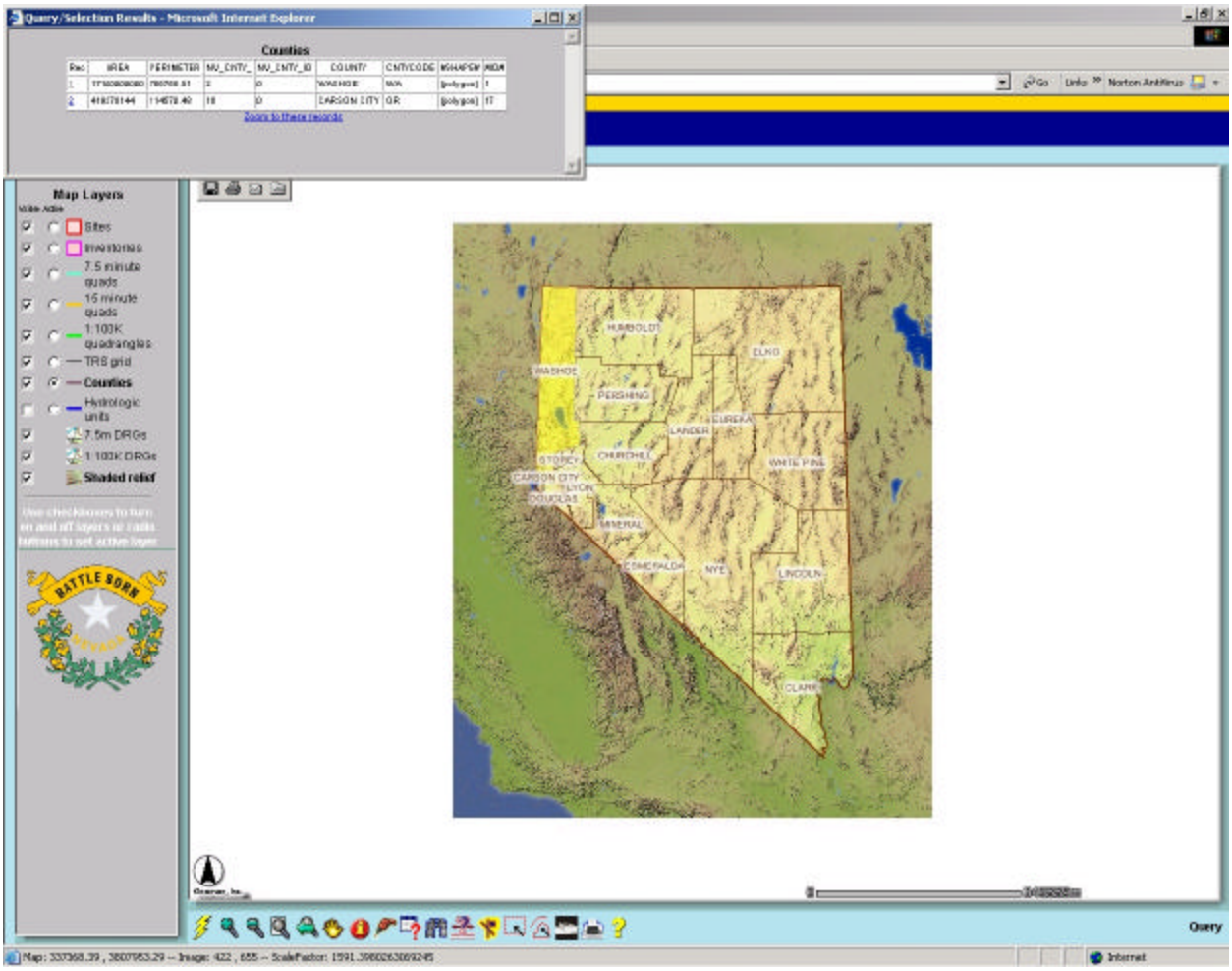
button, then
- Using the same process, add COUNTY="WASHOE" to the query string.



- Click 

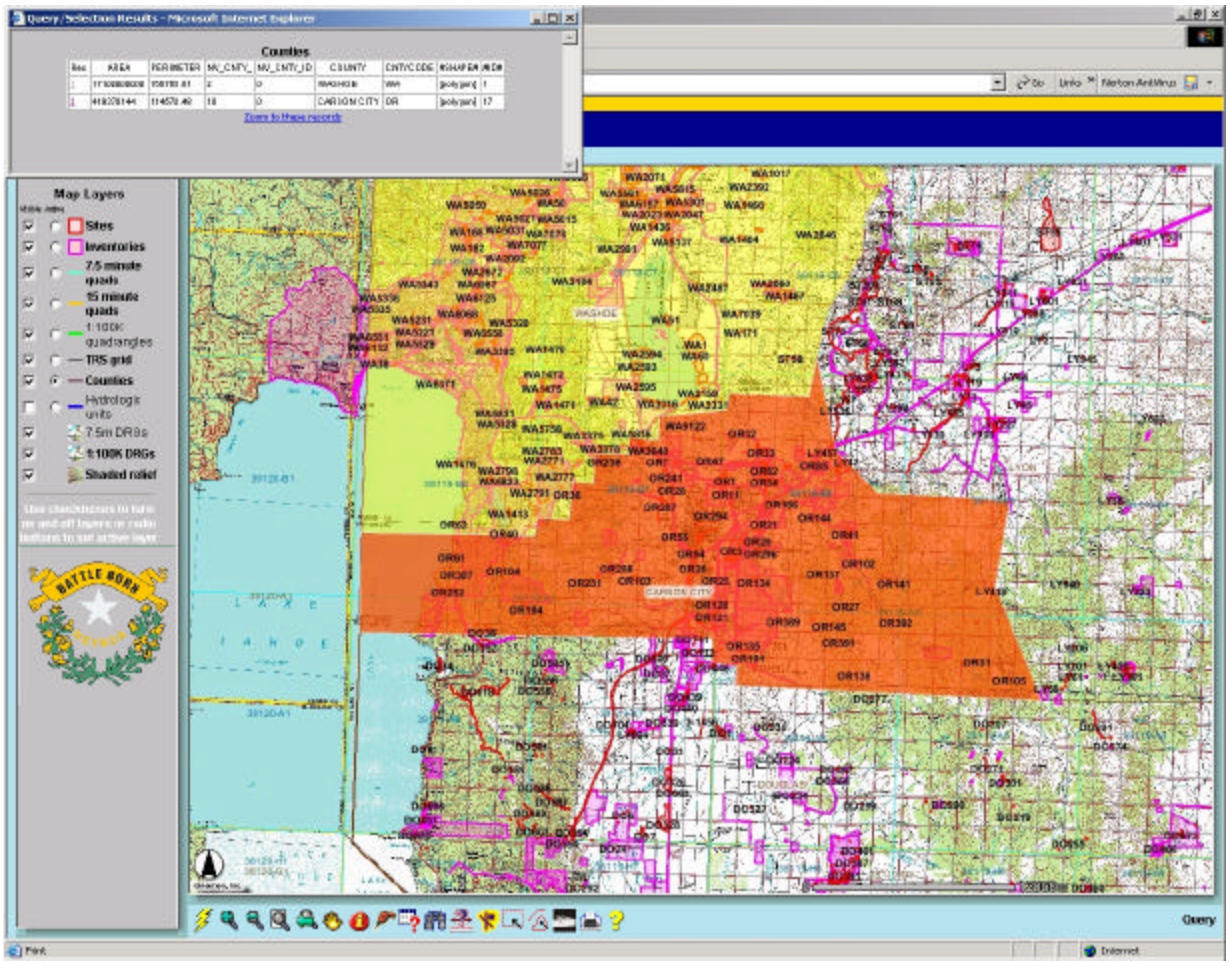
.

The query results are displayed graphically and in tabular form.



- Select 2 to zoom to Carson City

Carson City is selected and is placed in the center of the display.

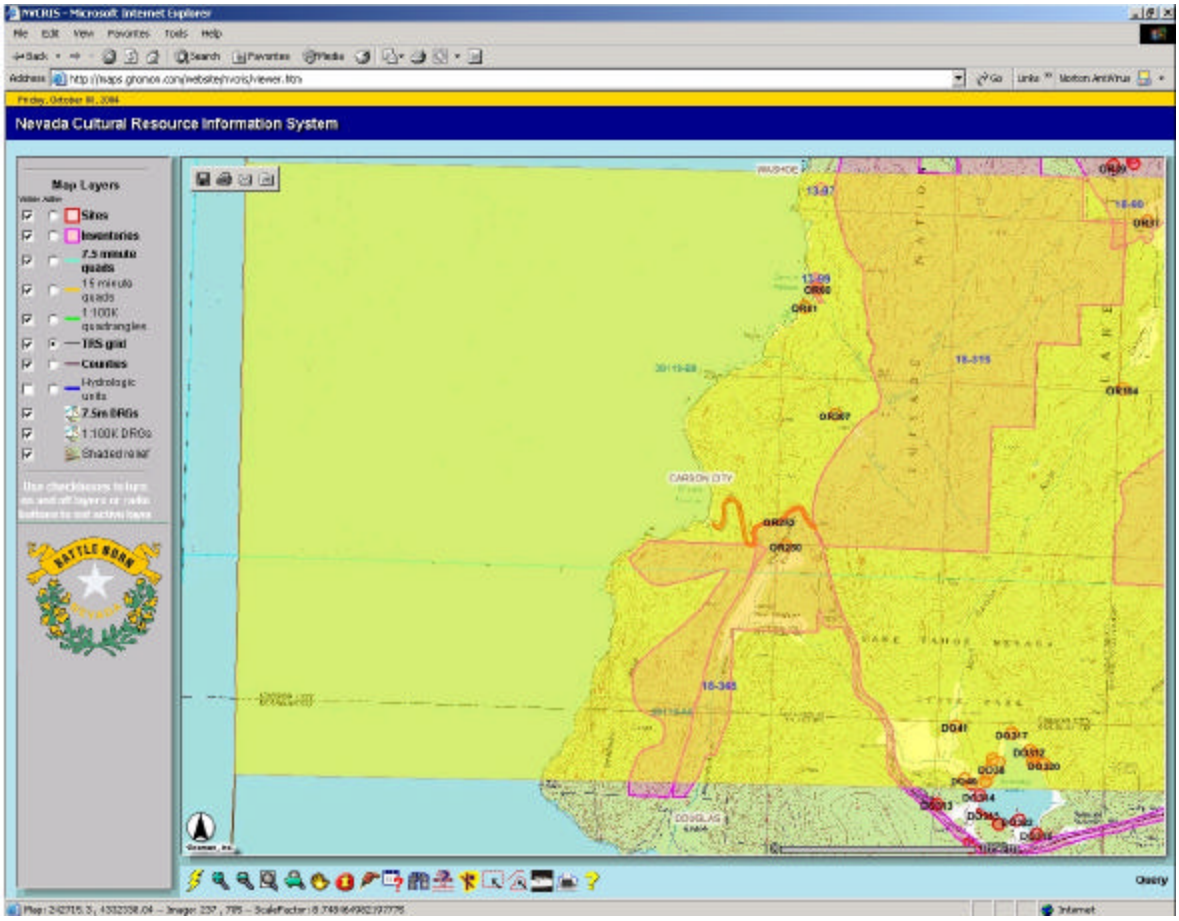


Select and Buffer

In order to buffer a feature, an area must first be selected so that a buffer can be applied.

- With Carson City selected, select the **Zoom** Button  .

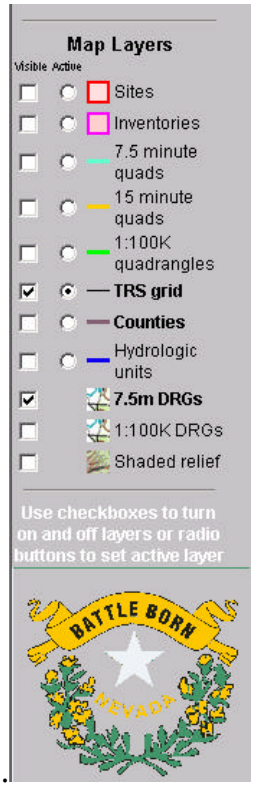
- Left click and drag the cursor from the upper left corner of the northwest Carson City boundary down and to the right near site DO38.
- Release the left mouse button.



The TRS grid should show on the map.

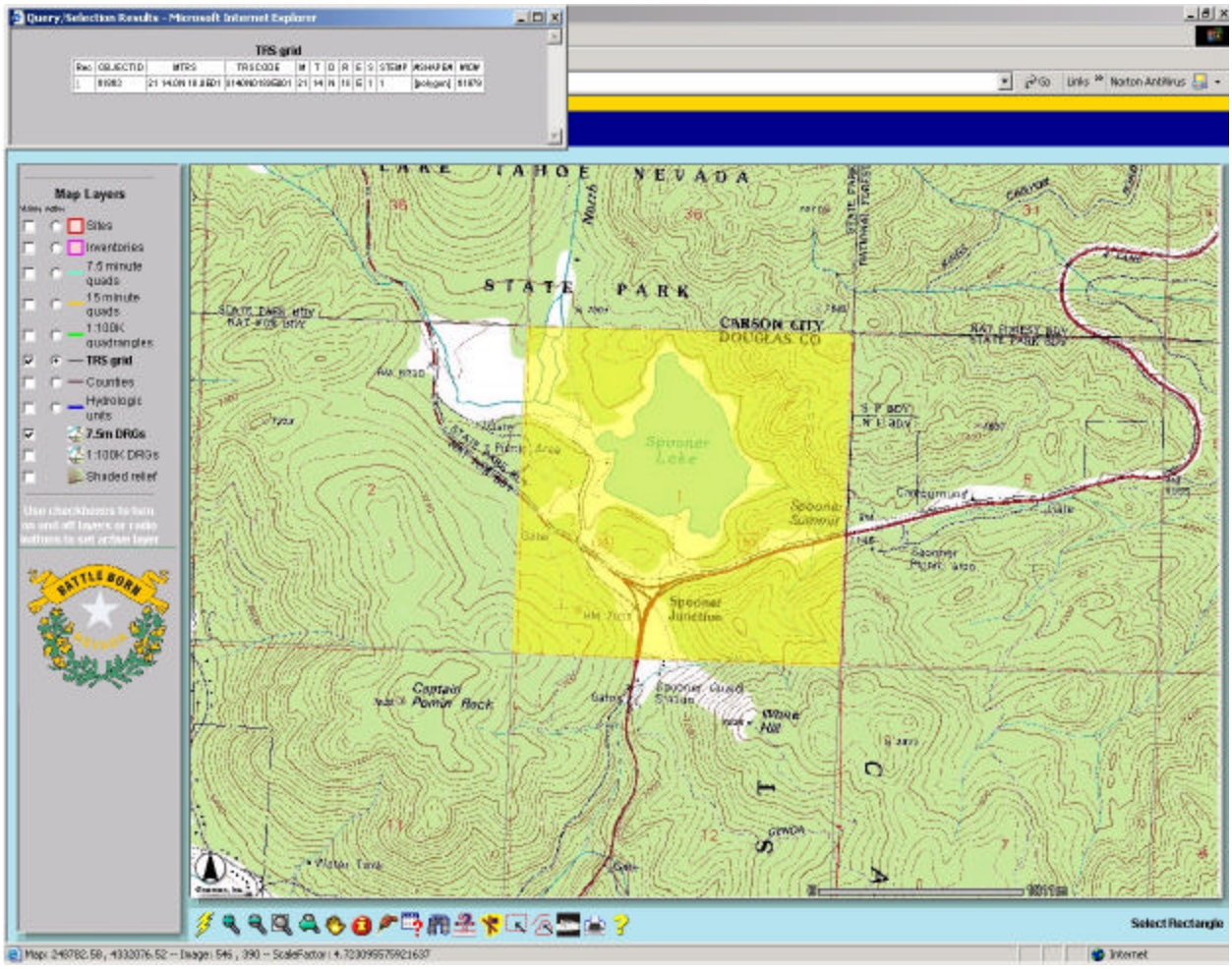
- Select the **Clear Selection** Button  to remove the shaded county background.
- Confirm OK.
- Make the **TRS grid** Map Layer active 

- Remove the all visible layers except TRS and 7.5 minute quads by clicking off the checkmark in the Map Layer **Visible** box



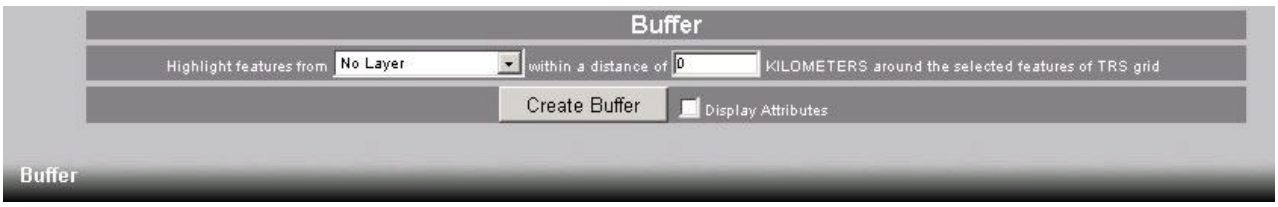
- Zoom to Section 1 (Spooner Lake)
- From the Button Bar, Click the **Select by Rectangle** Button  , left click and drag the cursor to create a small box around the number 1 in Section 1.

Section 1 is selected. Note how the TRSCODE is encoded. 0140N01180E001 = T.14.0N. R.18.0E, Section 01.



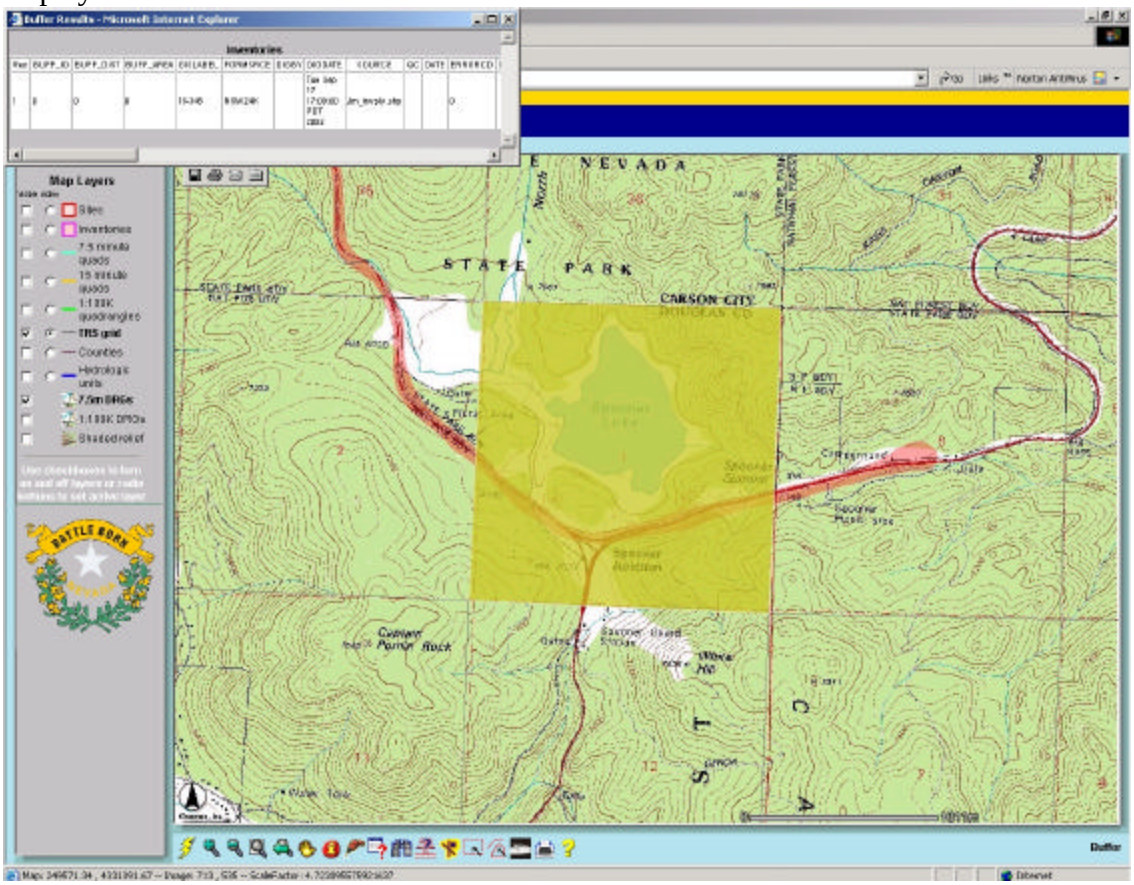
- Make the Sites and Inventories visible.
- From the Button Bar, select the **Buffer** Button  .

The Buffer box is displayed.

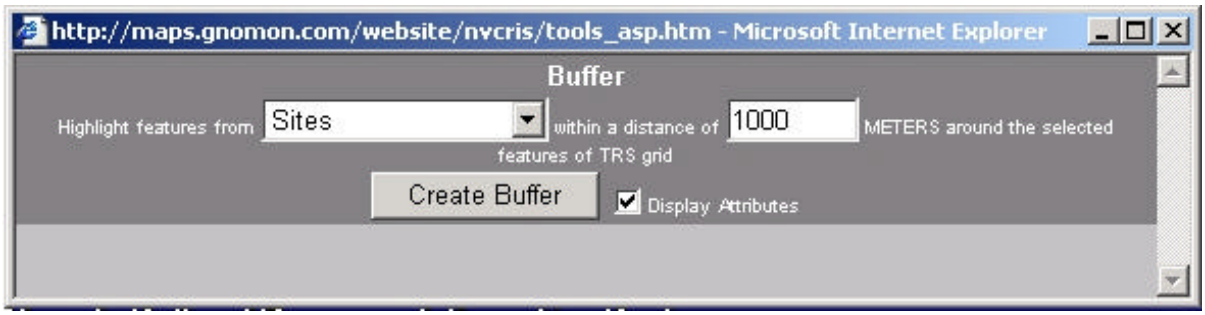


- In the **Buffer** box use the pull down to select Inventories.
- Set a buffered distance of 1000 meters.
- Check the **Display Attributes** Box
- Left Click **Create Buffer**

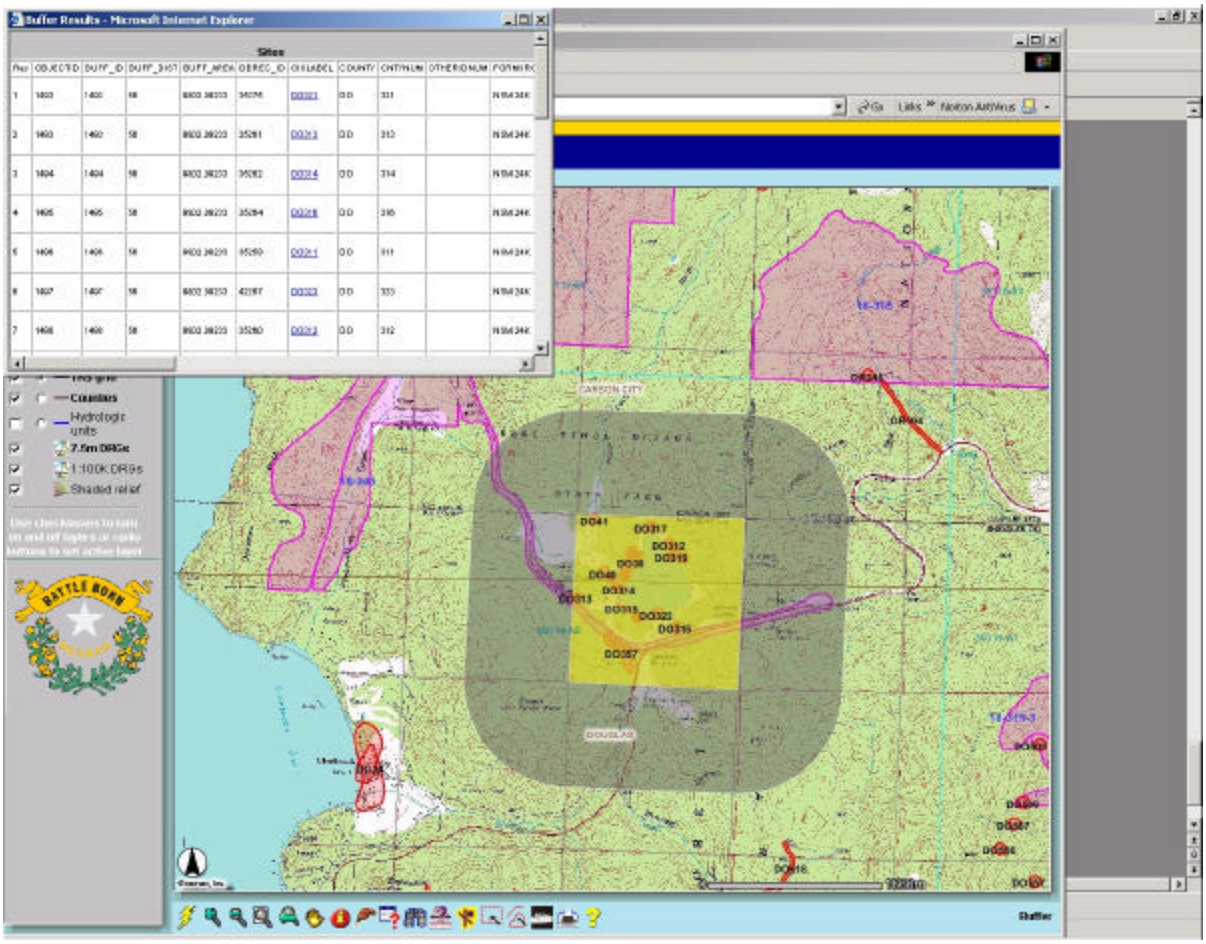
- The results are displayed and all Inventories intersecting the buffered area are displayed.



- Scroll down the Attribute table to view tabular results.
- Perform a similar search for sites within Section 1.



All sites within 1000 meters of Section 1 are displayed.

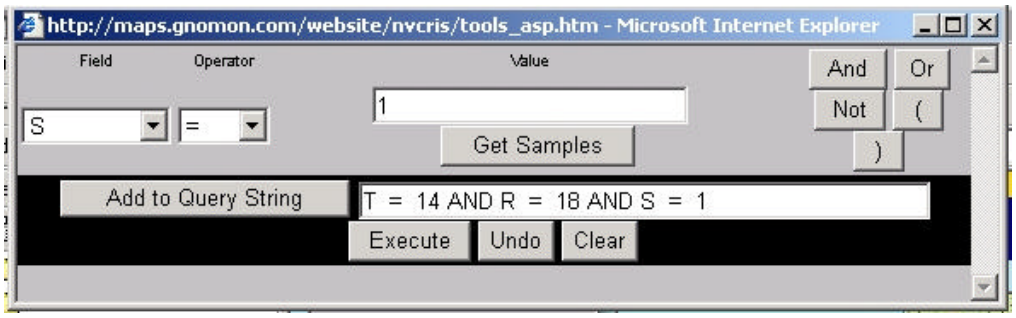


Scroll through sites and click on underlined and highlighted site numbers (DO314) to view scanned site record.

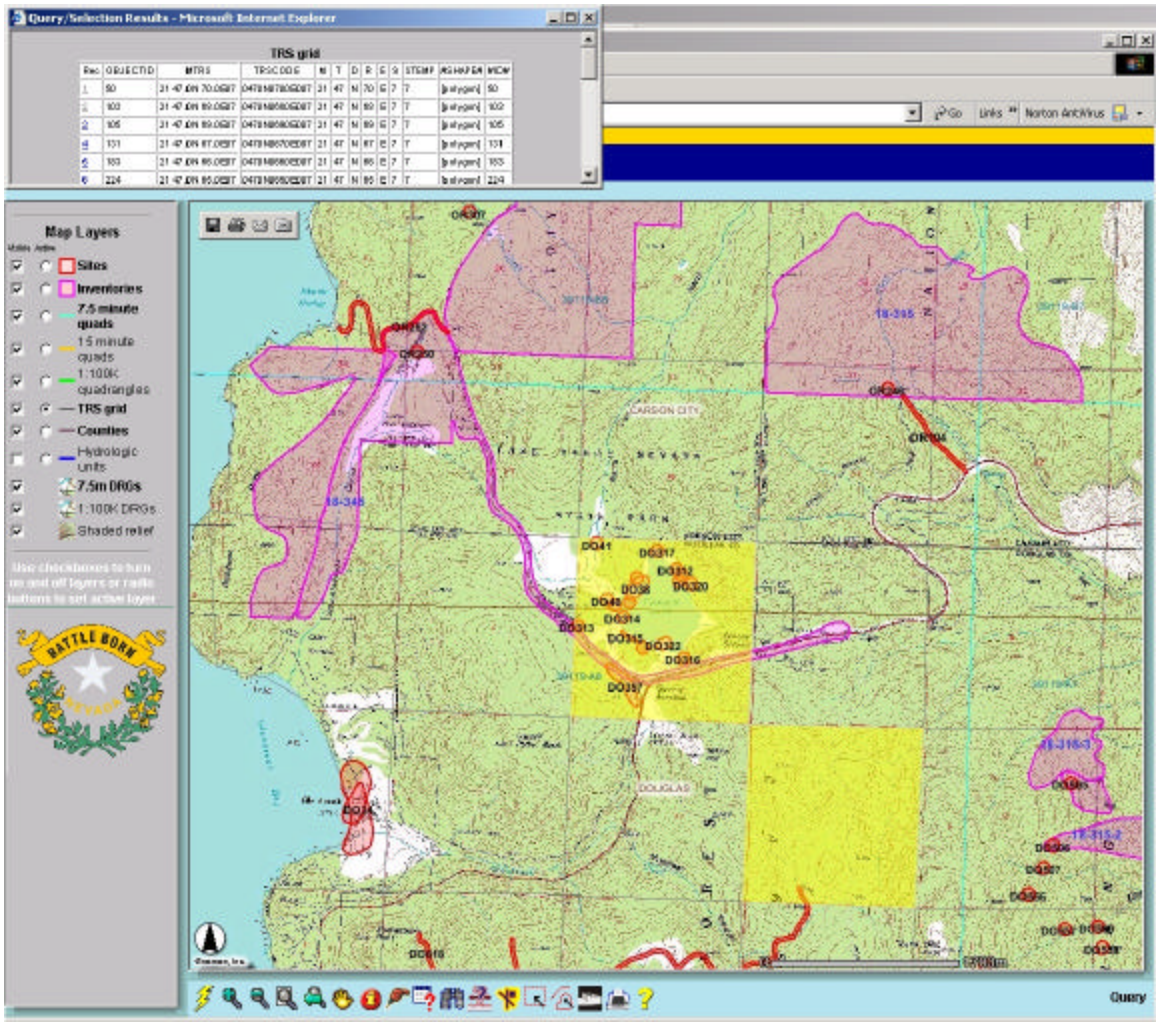
- Clear the selection  and confirm selection cleared.

Queries can be compiled in a number of ways to facilitate site or inventory selection.

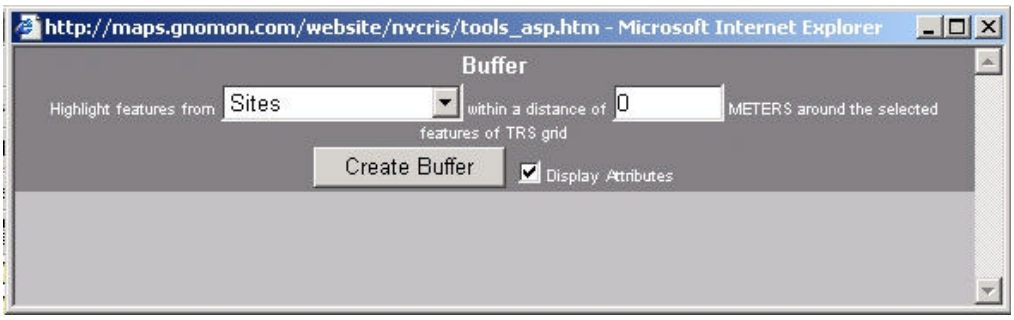
- Make sure TRS Grid is active.
- Select the **Query** button and create a selection for T.14N. R.18E Section 1.



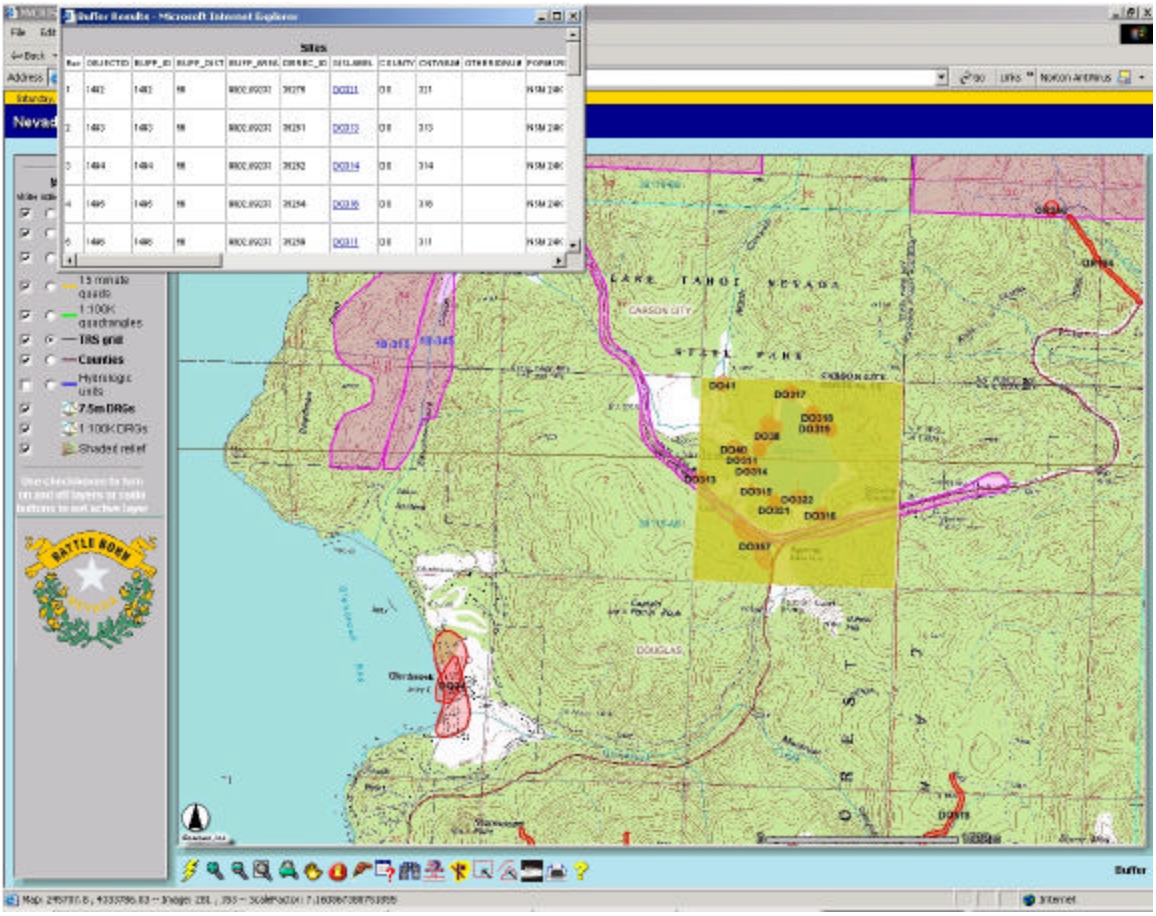
Section 1 is selected.



- Buffer the TRS layer to identify sites within 0 meters selected sections.



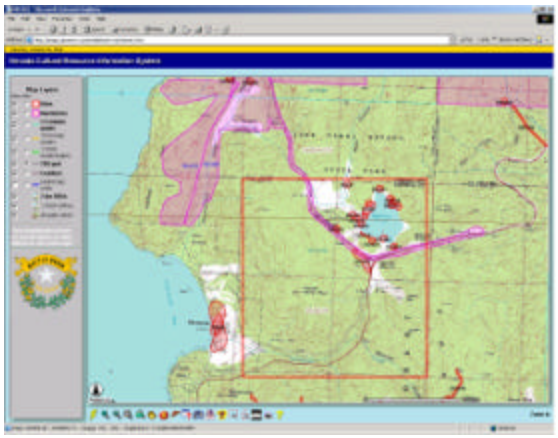
Only sites within Section 1 are displayed.



It is sometimes easier to make a TRS section for an extensive project area by drawing an approximate project boundary.

Clear the previous selection.

- Select the **Clear Selection** Button  and confirm selection cleared.
- Make sure the **TRS** Map Layer is active.
- Using the Zoom In tool, left click and drag to from the upper left corner of Section 2 to the lower right corner of Section 12.

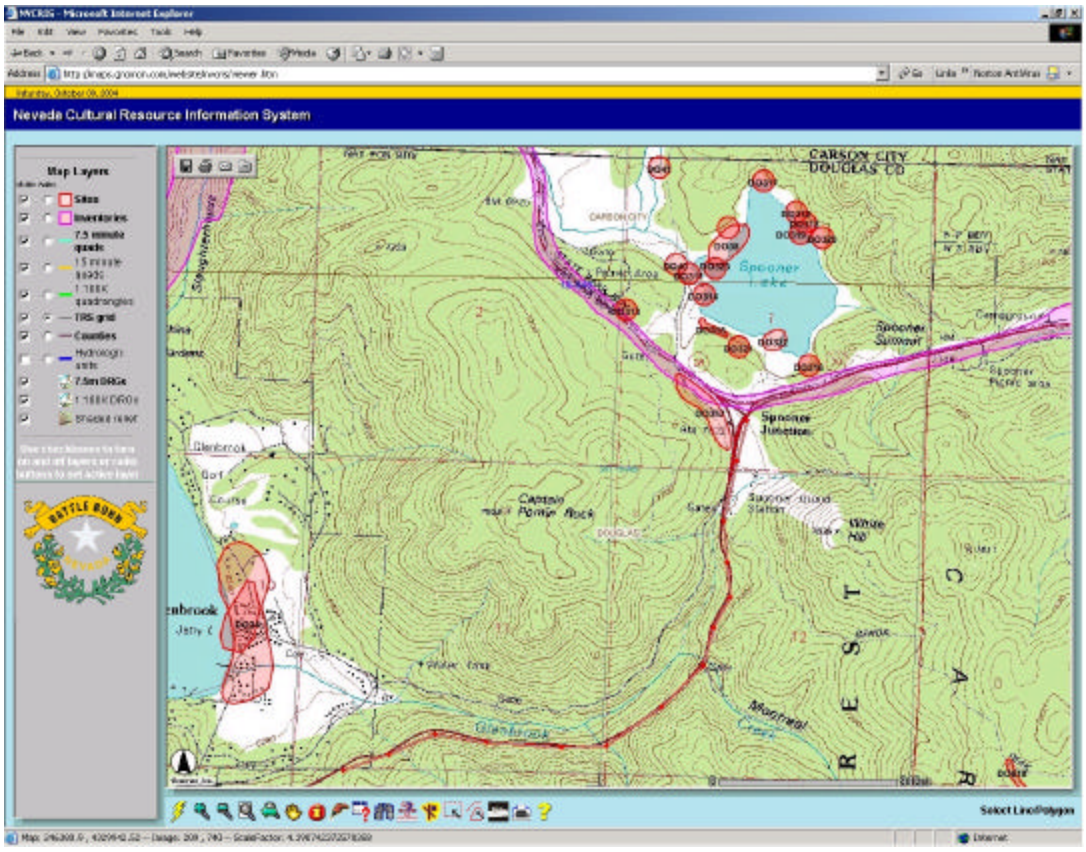


- Left click on the **Select Line/Polygon** Button  .
- Place the cursor at the US 50 and SR28 intersection (Spooner Junction).

- Left click to place a point.

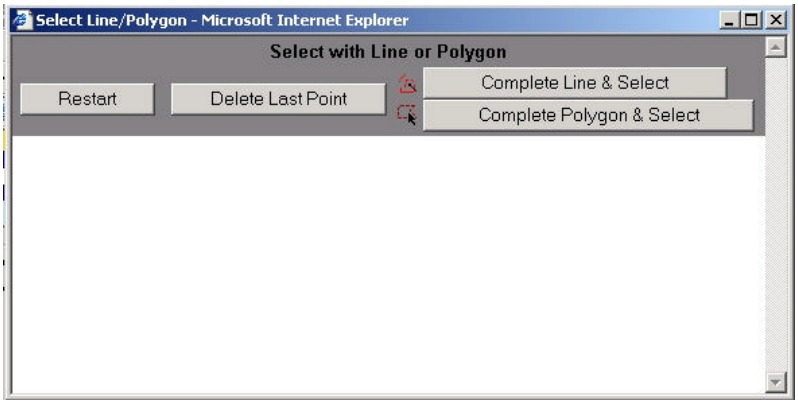
- Continue placing points along US 50 to approximate a project area from Spooner Junction to Glenbrook.

- Double Left click to end the line.



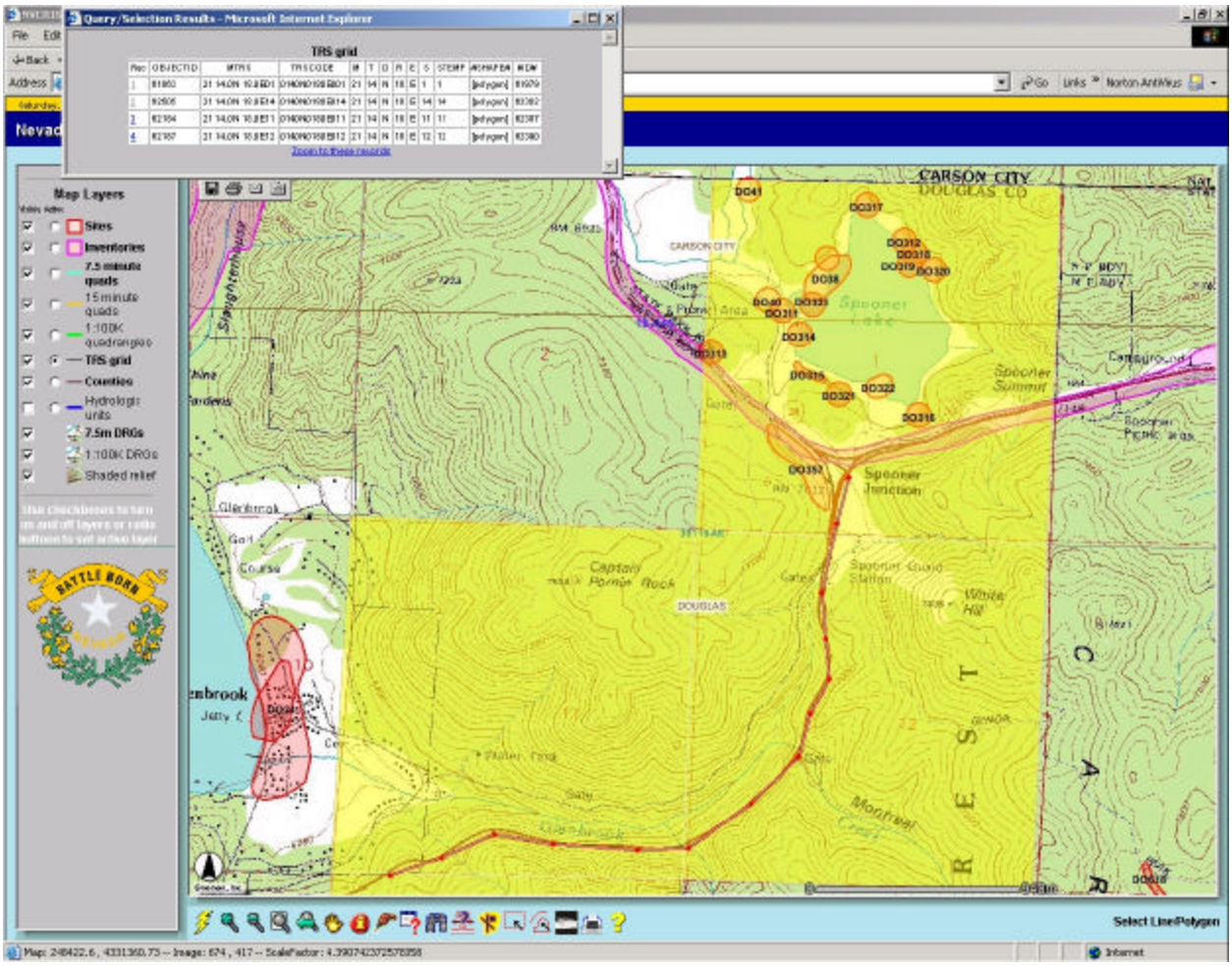
- Left click on the **Select Line/Polygon** Button  .

From the pop-up screen,



- Click **Complete Line & Select** box

All Sections intersected by the line segments are drawn.



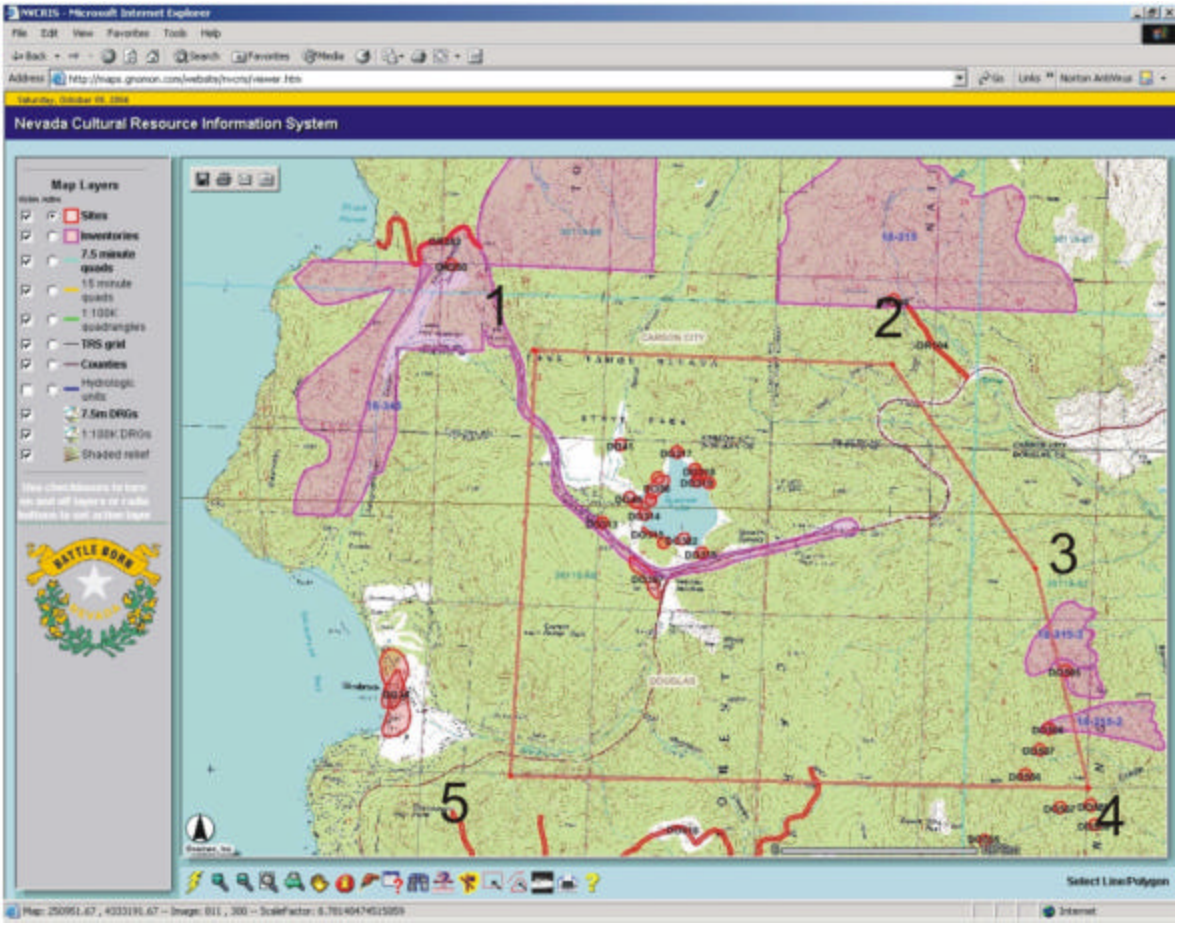
Queries and selections can be refined to specific data requirements.

Clear the previous selection. Select the **Clear Selection** Button  and confirm selection cleared.

- Make sure the **Sites** Map Layer is active.
- Select the Zoom Out Button
- Place the cursor on Spooner Lake and left click
- Left click on the **Select Line/Polygon** Button  .

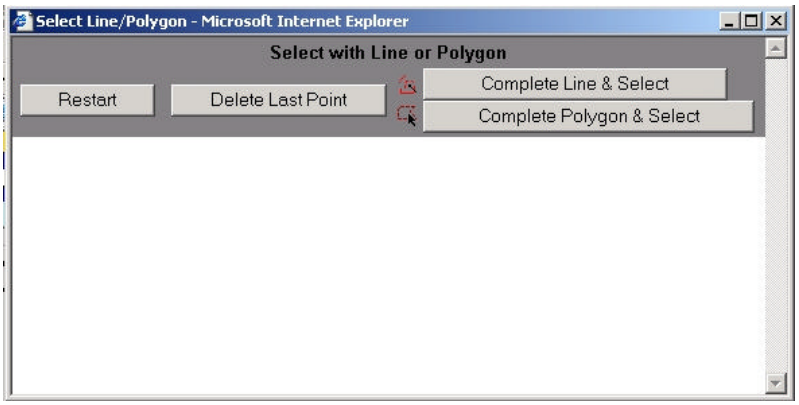
Using the same process for drawing a line, place points that approximate the shape below to draw a project polygon.

- Double left click at point 5.

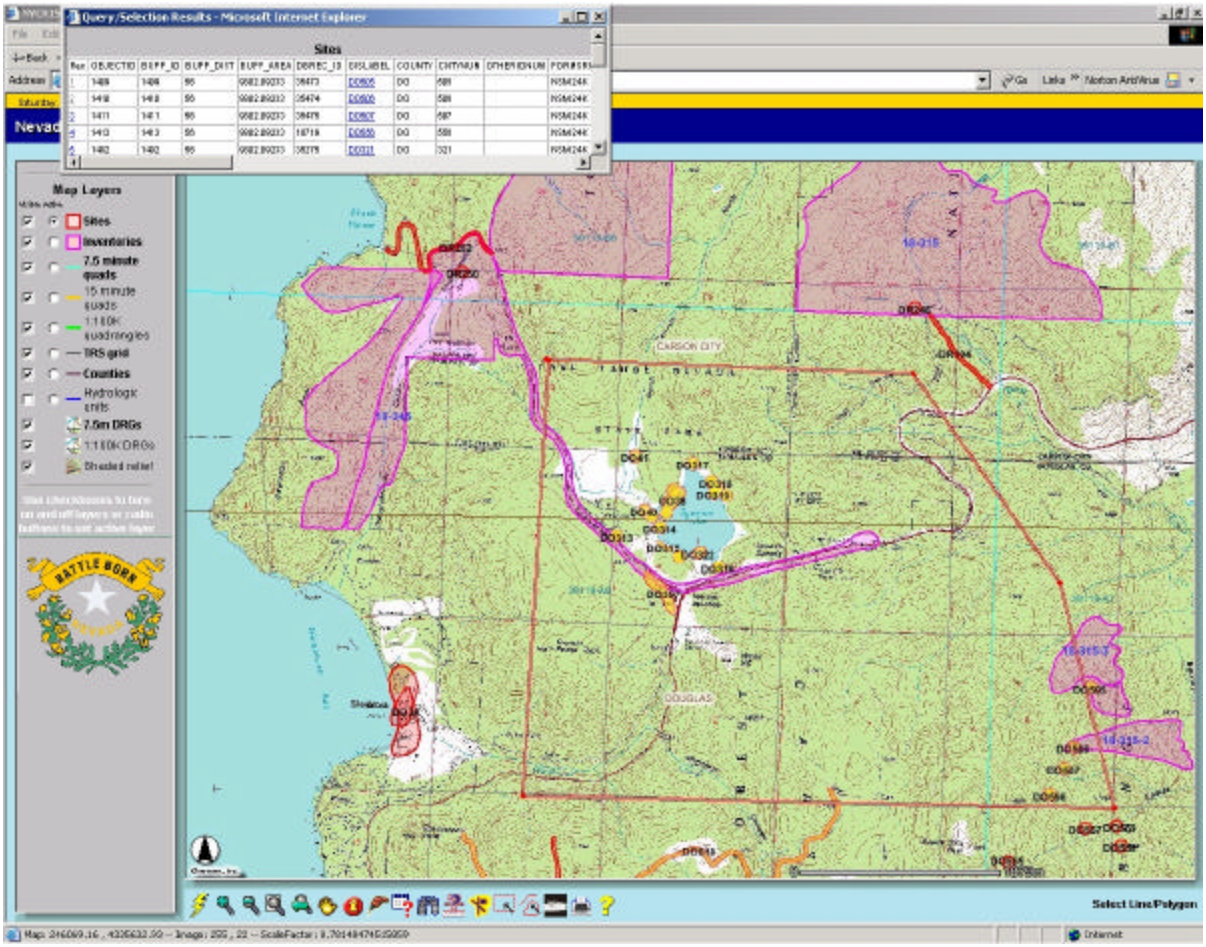


- Left click on the **Select Line/Polygon** Button  .

From the pop-up screen,

- 

This automatically closes the polygon by creating a line between the last and first point, then creates a selection of all sites within the polygon.



Printing Query Results

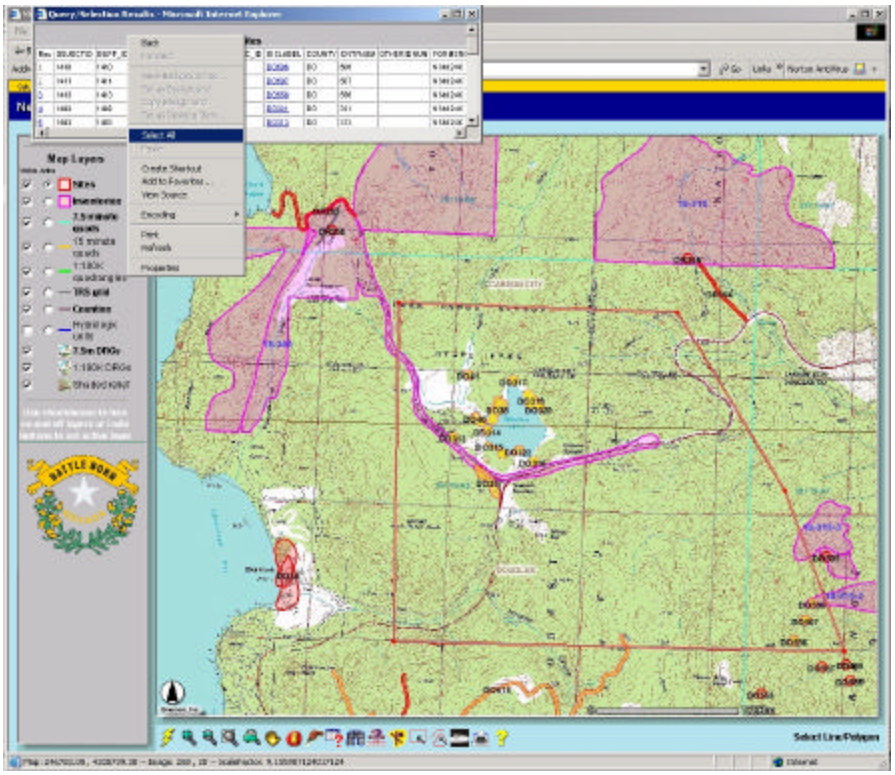
Upon completion of a Web query, you may wish to print the results. Data returned in table format can be selected, copied, and then pasted into Excel or a similar spreadsheet. The Print Button provides a printed version of the map.

Print Site Query

From the existing display,

- Place the cursor in the **Sites** table.
- Right click the mouse.

A pull down box appears.



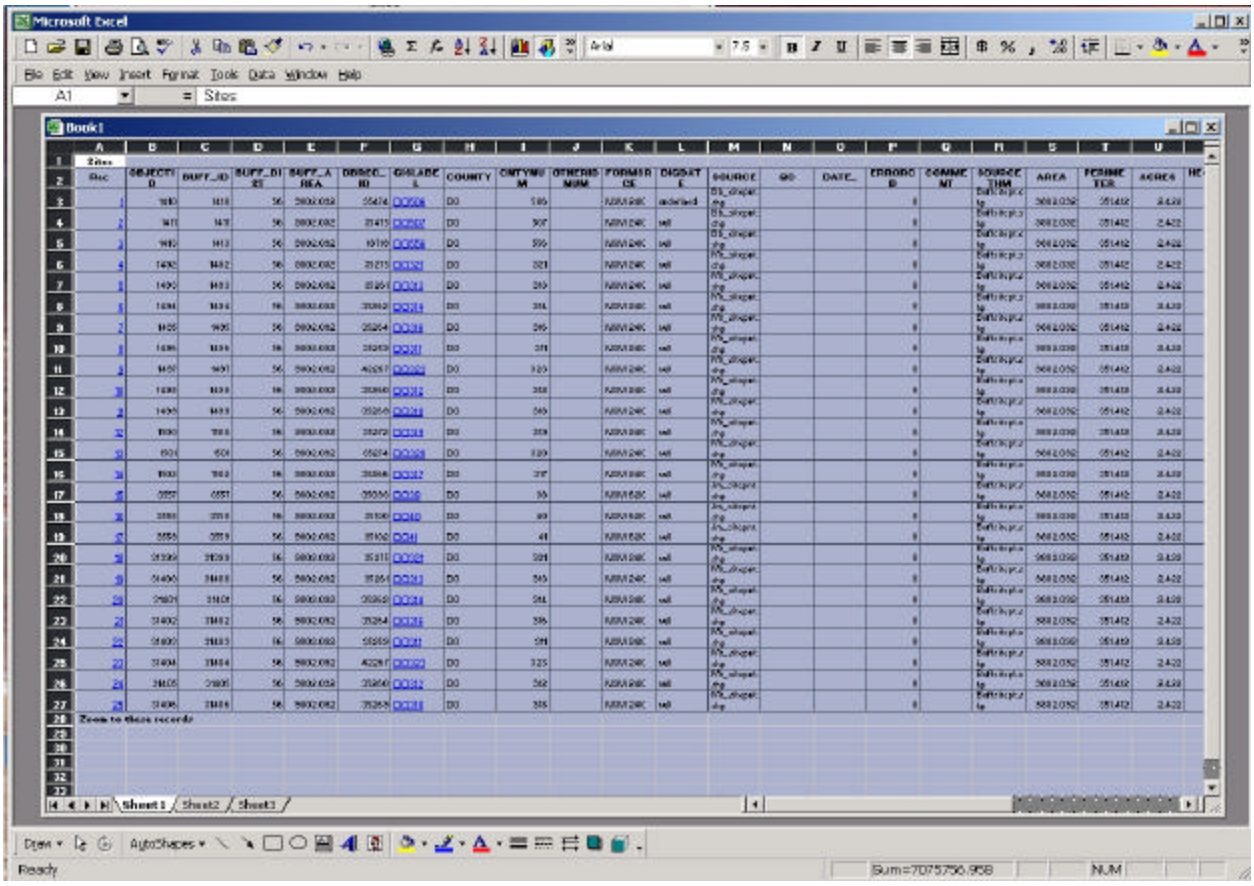
- Left click **Select All**

All records are selected

Press Ctrl C to copy the selection

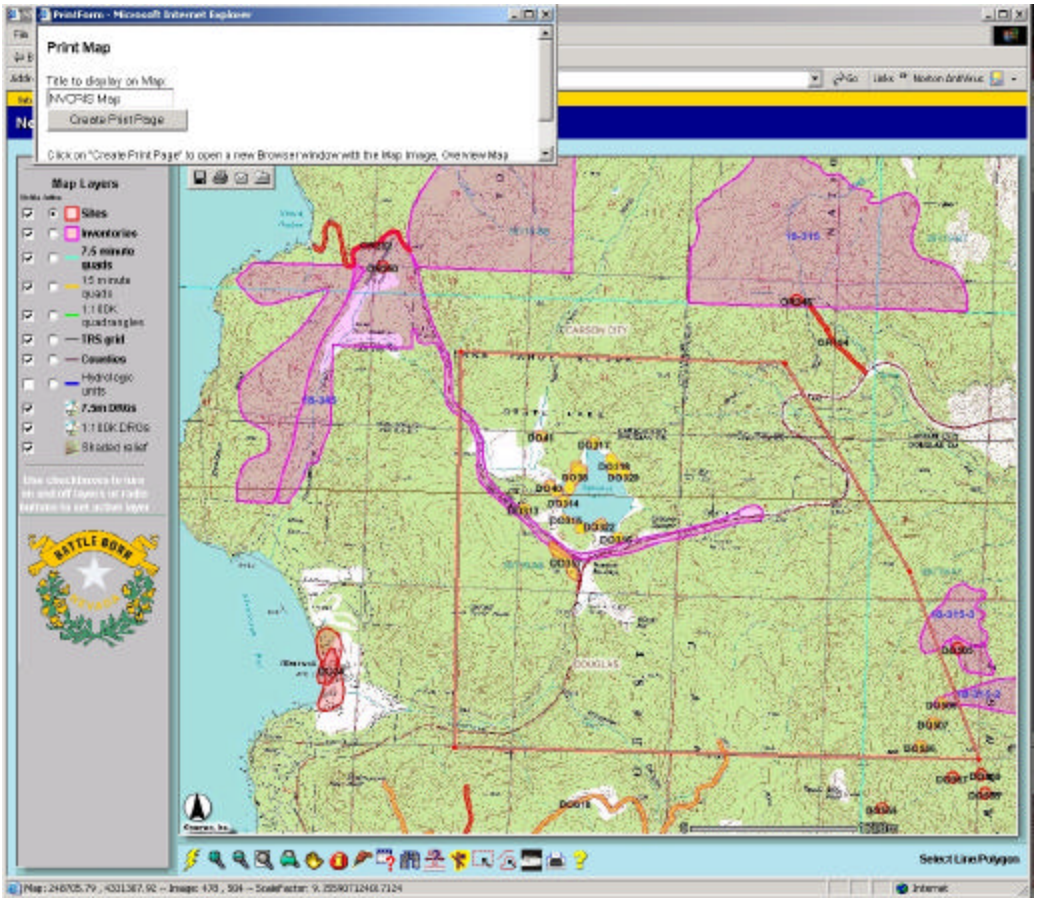
Open Excel or a suitable spreadsheet.

Using the spreadsheets paste feature, paste the selected records.



Print Map

- Select the **Print** Button 

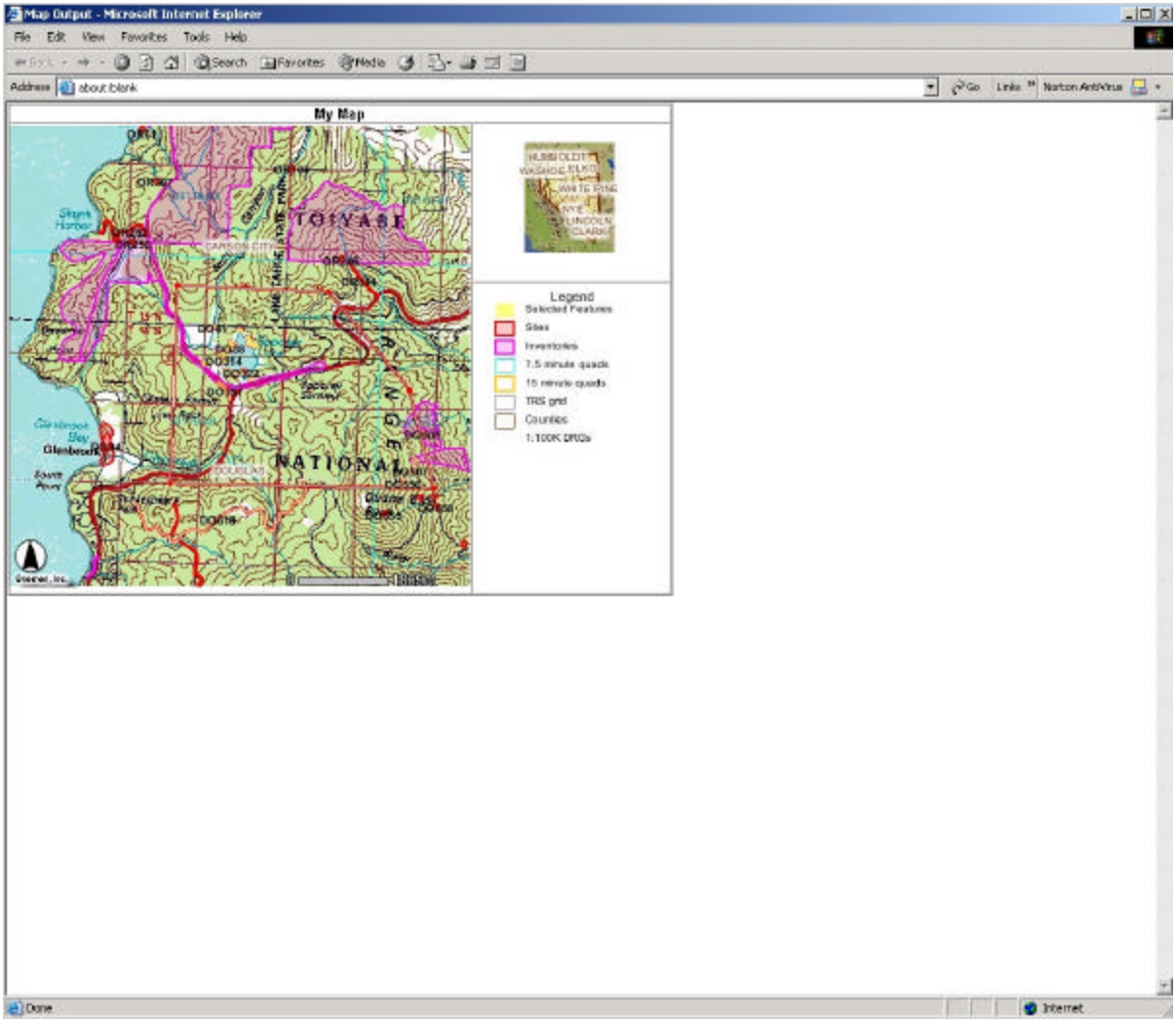


A **Print Form** appears.

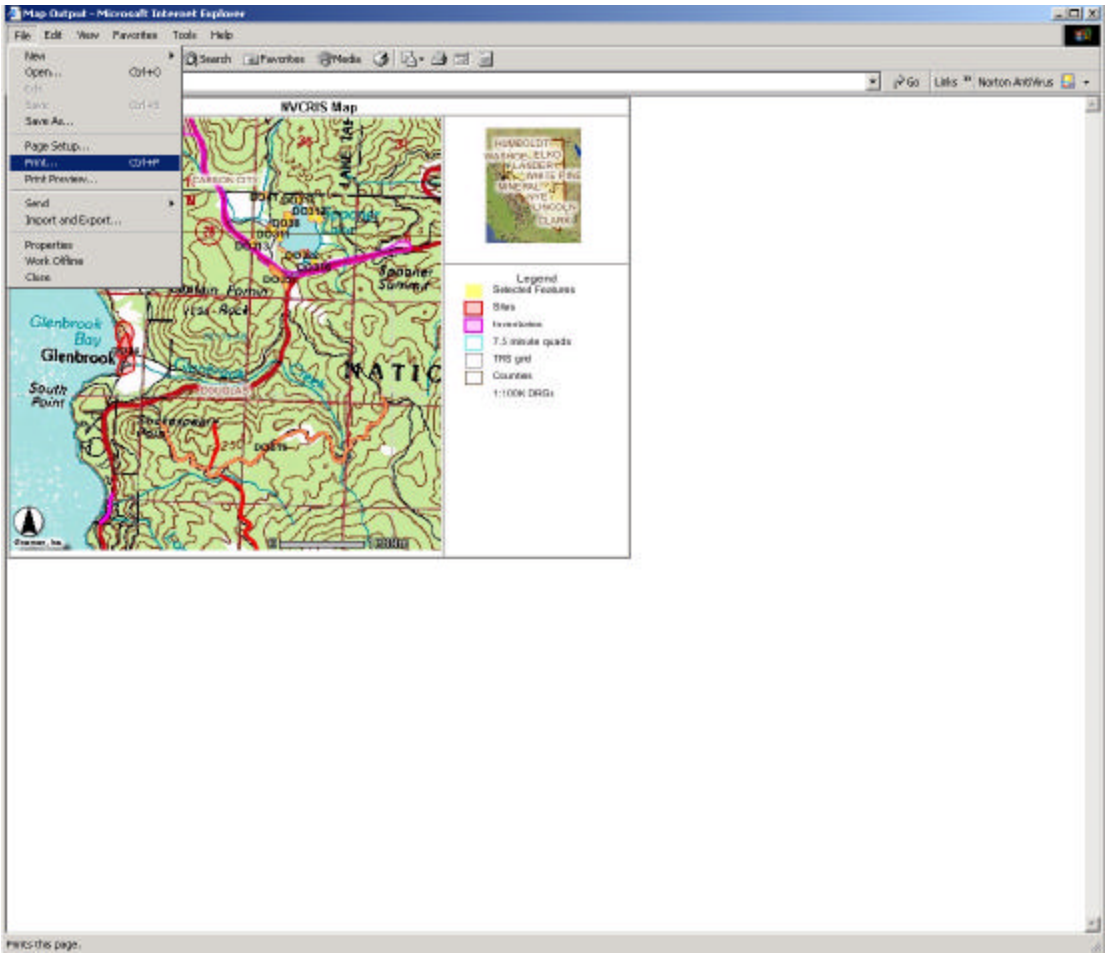
- Place the cursor in the Title block of the Print Box.

- Type: My Map
- Left Click on **Create Print Page.**

A Map depicting search results is created.



- From the **File** Menu, Select **Print**.

- 

Map will print to selected printer.

- Clear all selections  and return to the maps full extent  .