

Penobscot Valley Community Greenprint – Online Mapping Training Guide

Training Guide Outline

Getting There

- **Web Link**
- **Password protected site**

The Basic Moves

- **Zoom into your town**
- **Take a closer look**
- **Print a custom map**
- **Return to original map**
- **Get help**

Conservation Planning

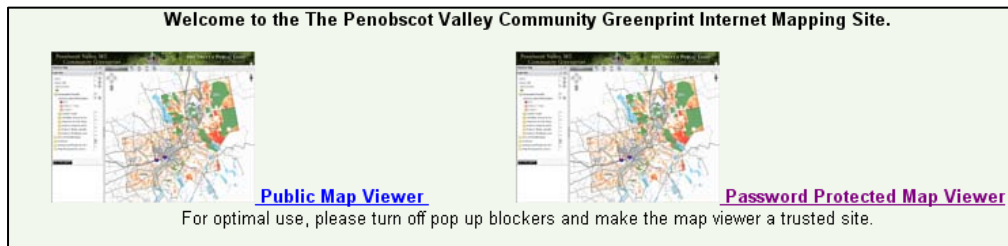
- **Map resource areas for my town**
- **Create a parcel profile report**
- **Prioritize parcels for conservation action**
- **Evaluate local plans**

Getting There

○ Web Link

- Use the following link to connect to the Greenprint online mapping site:
http://tplgis.org/Penobscot_Greenprint/
- Note: Internet Explorer works best for this mapping site.
- Note: This mapping site is data intensive. If you are on a dial-up connection, you will experience slow loading and refresh delays. You may want to consider going to the local library for better performance.

○ Password protected site



- A username and password is required to access the site that includes parcel data.
- Contact your town for permission to use the password protected mapping site.

The Basic Moves

○ Zoom into your town



- Click the zoom in button (Tools and buttons are along the top of your map).
- Use your mouse to drag a box around your town boundaries
- Notice that detail road information appears
- Regional Greenprint Priorities are displayed by default

○ Take a closer look



- Click the zoom in button again
- Use your mouse to zoom in even closer



- Click the pan button
- Drag your mouse to the right or left to adjust the view
- Click the folder icon next to Map Background Layer to see optional backgrounds (Map layers are listed to the left of your map. Use the scroll bar to get to the bottom of the list.)



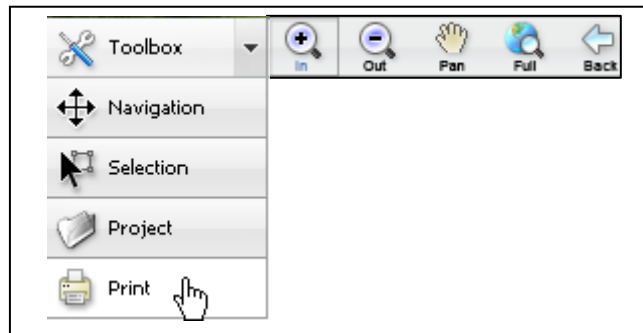
- Click the check box to the right of the Imagery layer



- Clicking a checkbox next to a layer displays that layer on the map
- High resolution imagery is now displayed
- Try zooming in even closer

○ **Print a custom map**

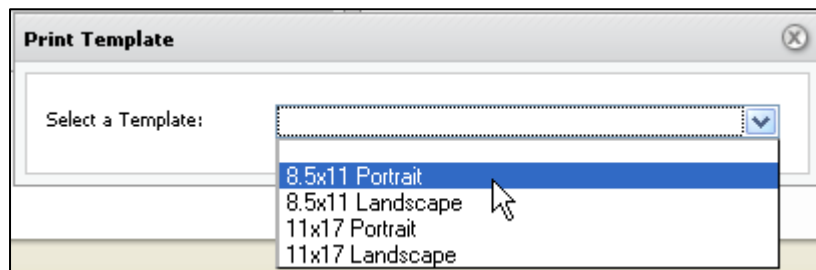
- Click on the Toolbox selection menu (labeled Toolbox at the top left of your map)



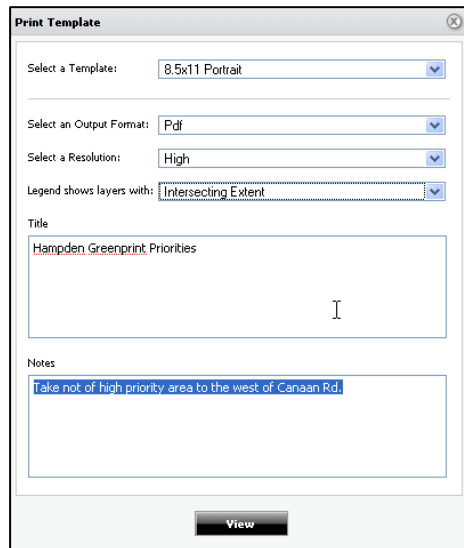
- Click on the word Print to display print tools on your toolbar



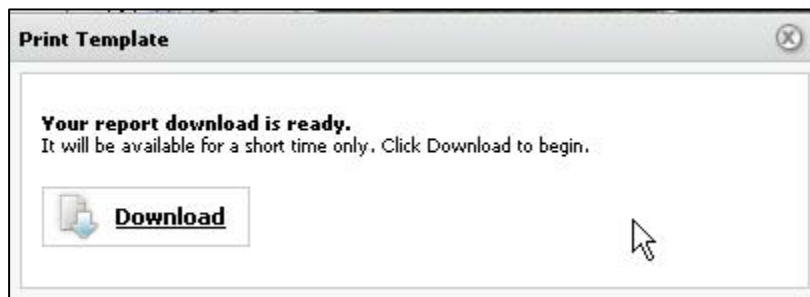
- Now click the print button
- Choose a format that is compatible with your printer



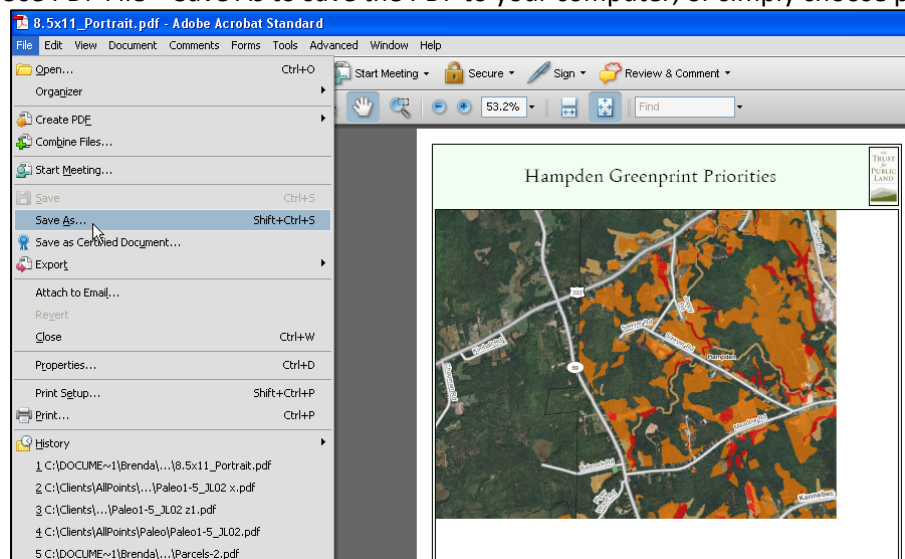
- Change title on map. Enter additional map notes if desired.
- Note that setting Resolution to “Low” will speed the map creation process.
- Click View



- Click Download to create the PDF.



- Use PDF File > Save As to save the PDF to your computer, or simply choose print.



- **Return to original map**
 - Press F5 to reset the mapping site (sometimes it is helpful to refresh the site if the website starts acting strangely).
- **Get help**
 - Click the small “?” button at the at top right of your map for detailed instructions on using this mapping site



- Note that some features described in this document may not be available in the Penobscot Valley Greenprint mapping site
- Still need help? Send an email to gis.support@tpl.org

Conservation Planning

- **Map resource areas for my town**



- Click the zoom in button
- Use your mouse to drag a box around your town boundaries
- Turn off the Regional Greenprint priorities by clicking the check box to the right of the layer name



- Now turn on Protect Working Landscape priorities by clicking the folder icon to the left of the goal name, and then clicking the checkbox to the right of the name.



- Note that layers are displayed on the map in the order they appear in the legend on the left. If several Greenprint layers are checked (visible), you may only be able to see the results for the “top” layer on the map.

- You can even drill down further to the criteria map that contributed to a goal map. Open the Criteria Layers for Protect Working Landscape by clicking on the folder icon to the left.
- Turn off the Protect Working Landscapes map and turn on Working Forests using the checkboxes.



- For more information about how the Greenprint or other map layers were created, click on the underlined layer name, and select Metadata.



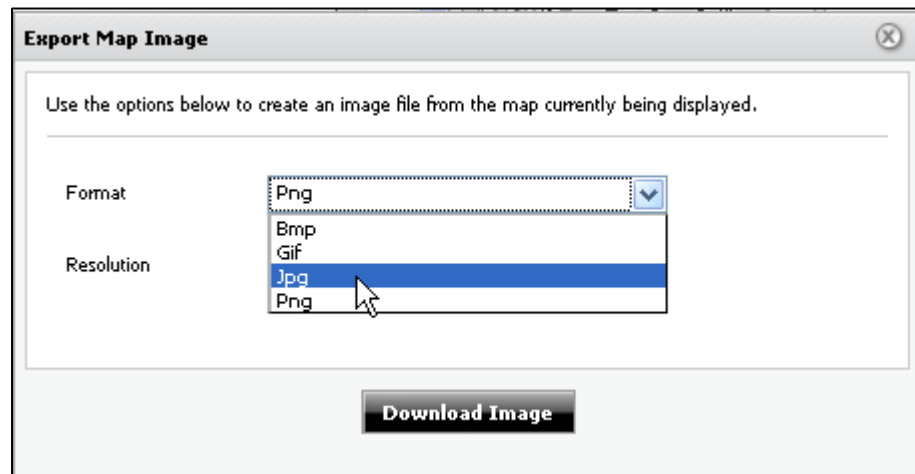
- In this case a table describing the methodology used to create all Greenprint criteria will be displayed. Scroll to the section on Working Forests.

Goal	Criteria	Criteria Weights	Original Input from Public Listening Sessions (held March 2008) and Stakeholder Group	Modeling Methodology
Protect Working Landscapes and Waters	Working Forests	33%	>Protect productive lands: existing working forests and farms	This model uses landcover to extract areas with recent cuts, including classifications of Recent Clearcut, Light Partial Cut, Heavy Partial Cut, and Regenerating Forests. This data was then combined with public woodlot ownership locations. Not included were industrial and nonindustrial woodlots includes J.W. Sewall large landownership data, which displays small and large industrial woodlots, current as of 2007.


- Export your custom map to a jpeg for future use in a PowerPoint, by choosing the Print toolbox from the Toolbox menu and then clicking Export.





- Choose Jpg (Jpeg) format and click Download Image.

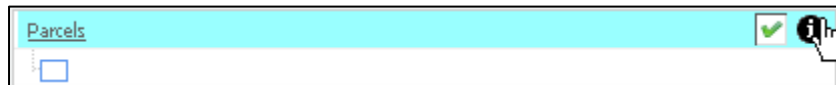



- **Create a parcel profile report** (*only applicable to password protected mapping site*)
 - Wondering why a particular parcel is shown as high priority on the Greenprint map? Create a parcel profile report to find out.

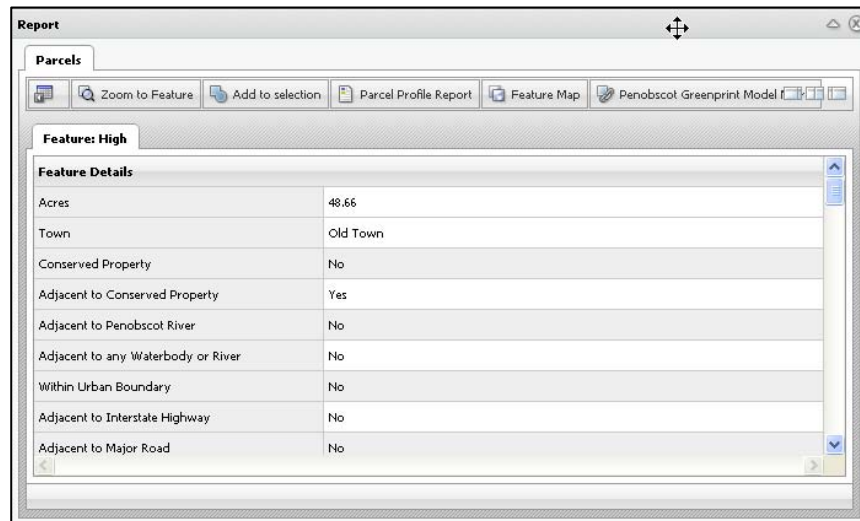
-  Reset the mapping site this time, by clicking the full extent tool. This will return you to a map of the entire Penobscot Valley study area. Turn off the Working Forest layer used in the previous exercise. Turn on the overall Greenprint Results.



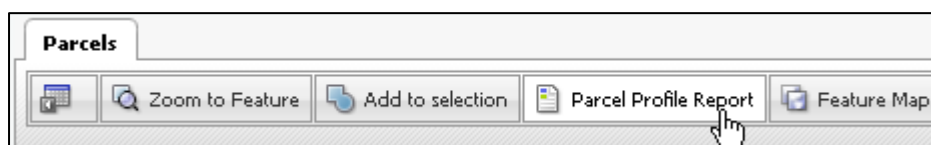
-  Click the zoom in button and zoom to a relatively small area on the map.
- Make the Parcel layer active for selection by clicking the  button to the right of the layer name. The layer will become highlighted in the legend.



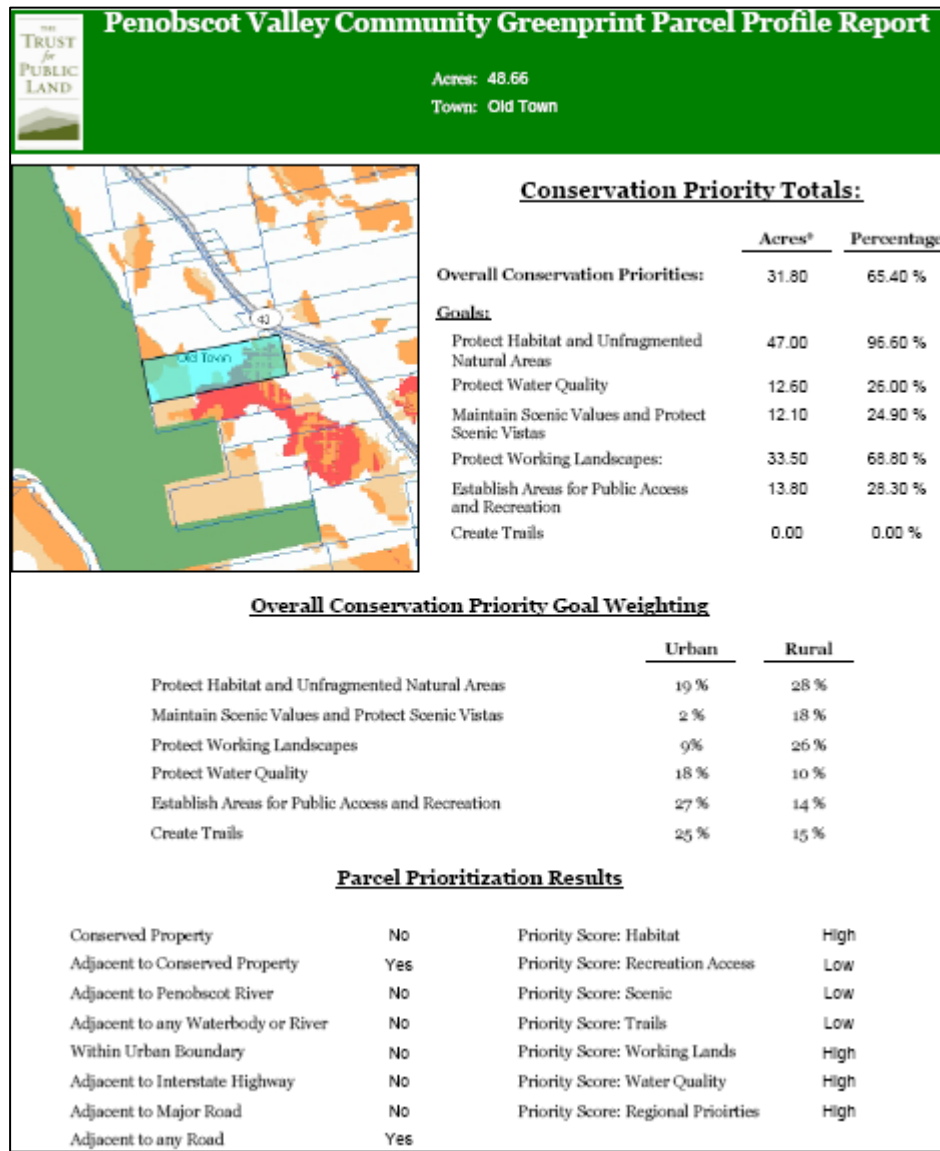
-  Now click the Identify button in the toolbar at the top of the map. Then click on a parcel on the map.
- A report window providing detailed characteristics of that parcel will be displayed.



- Use the scroll bar on the window to review information regarding size, location, protection status, Greenprint priority, and resource characteristics.
- Retrieve a formatted PDF report with this information by clicking on the Parcel Profile Report tab at the top of the window.

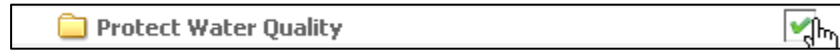


- Follow the prompts to download and view the report.
- Use PDF File > Save As to save the PDF to your computer, or simply choose print.

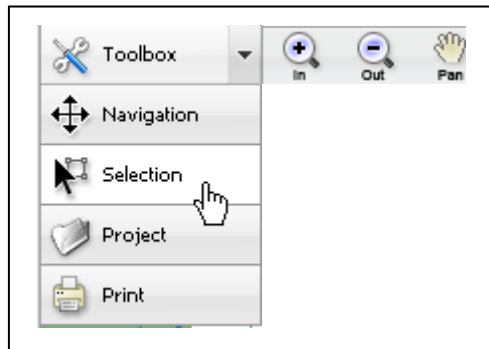


Prioritize parcels for conservation action (*only applicable to password protected mapping site*)

- Would you like to find all parcels that meet a specific set of criteria? Use the selection and query tools to find out.
- Before you begin this exercise, turn on the Protect Water Quality Greenprint results layer and turn off all other Greenprint results. This will help illustrate the results of your query.



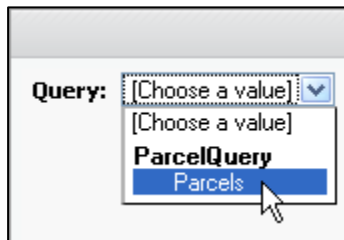
- Click on the Toolbox selection menu (top left of your map)
- Click on the word Selection to display selection and query tools on your toolbar.



- Now click on the query tool on the Selection Toolbar.



- Choose Parcels from the Query menu



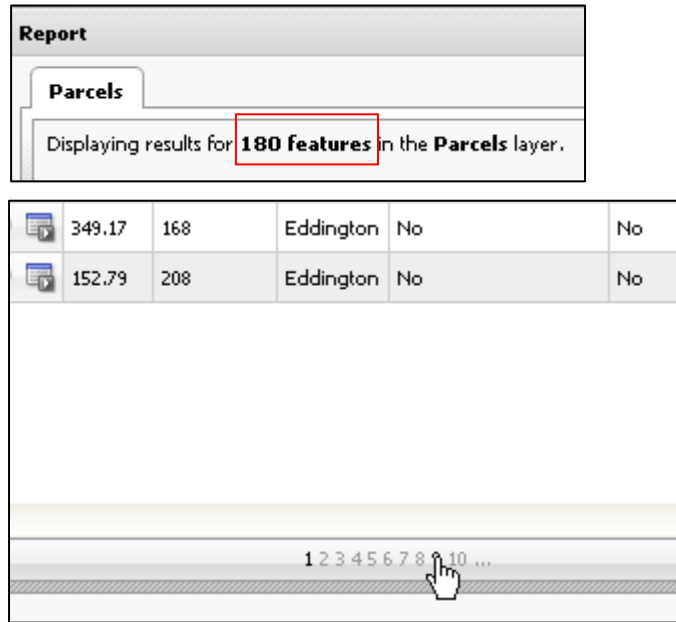
- Start by asking for all parcels with acreage greater than 100 acres by filling in the appropriate boxes:

Acreage >= 100

- Click Execute.



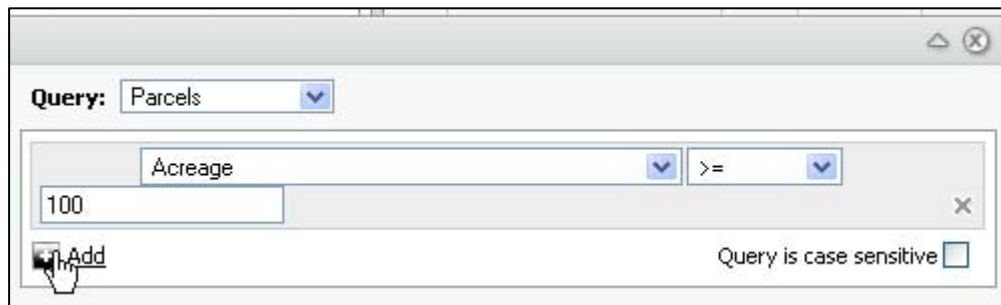
Notice that this finds 180 parcels. They are displayed in groups of 10. To see additional parcels click a page number along the bottom of the report window.



- Let's narrow the search. Click on the query tool again.



- Click on the word "Add" 2 times in the lower left to add two additional conditions.



- Using the interactive lists, add to the query:
 - Town = Holden
 - Priority Score: Water Quality = High.
- Click Execute (scroll down if necessary to see Execute button)

The screenshot shows a query builder window with the following conditions:

- Condition 1: Acreage >= 100
- Condition 2: And Town = Holden
- Condition 3: And Priority Score: Water Quality = High

At the bottom, there is an "Add" button, a checkbox for "Query is case sensitive" (unchecked), and a large "Execute" button.

- Now there are only 4 parcels that satisfy these conditions.

























Report

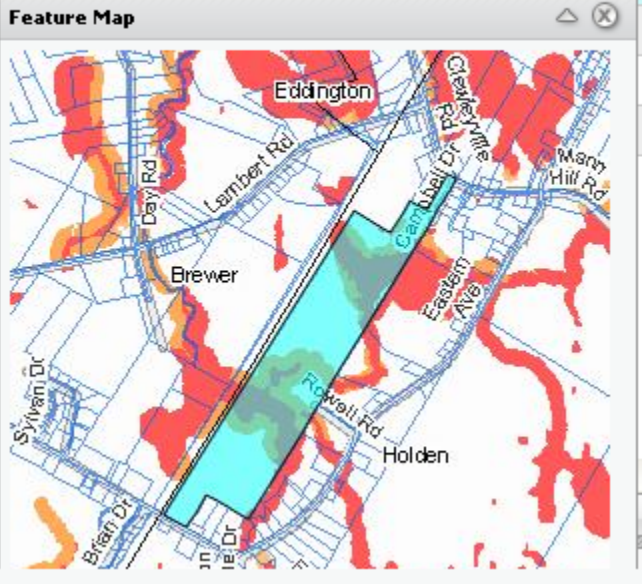
Parcels

Displaying results for 4 features in the Parcels layer.

























#	Feature Actions	Acres	OBJECTID	Town	Conserved Property	Adjacent to Conserved Property	Adjacent to
1		234.46	3568	Holden	No	No	No
2		334.16	3635	Holden	No	No	No
3		202.30	3659	Holden	No	No	No
4		485.35	3701	Holden	No	No	No

- Locate each parcel by clicking on the View Map control under “Feature Actions”

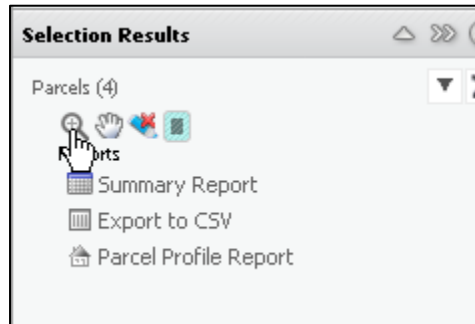
#	Feature Actions	Acres	OBJECTID	Town	Conserved Property	Adjacent to C
1	     	234.46	3568	Holden	No	No
2	     					
3	     					
4	     					



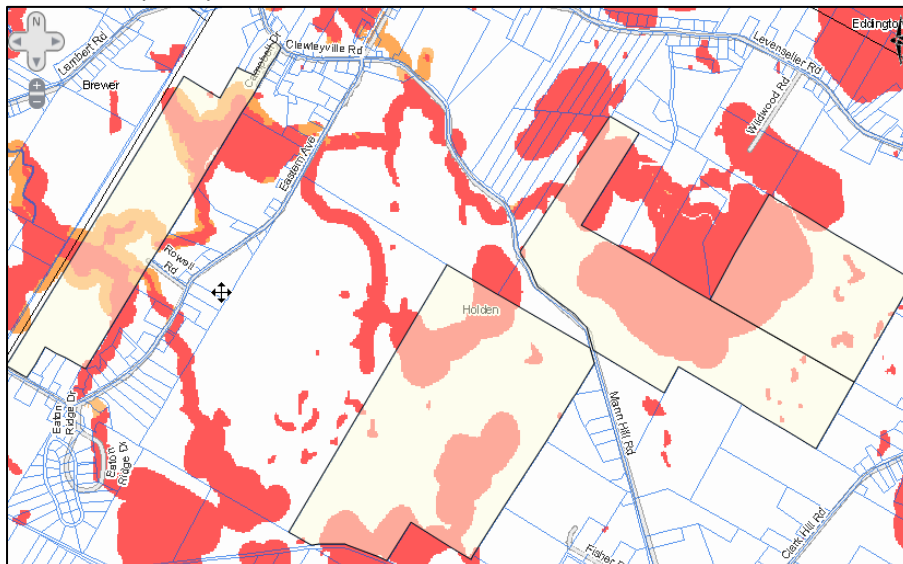
- You can also get a report for any of these parcels using similar controls.
- To get an overall view of these parcel locations, add these parcels to a map “selection”. Click the Add to Selection control for each parcel in the list.

Report						
Parcels						
Displaying results for 4 features in the Parcels layer.						
#	Feature Actions	Acres	OBJECTID	Town	Conserved Property	
1	     	234.46	3568	Holden	No	
2	     	334.16	3635	Holden	No	
3	     	202.30	3659	Holden	No	
4	     	485.35	3701	Holden	No	

- A selection window will open on the left side of your map below the legend.
- Click on zoom tool in this panel to zoom to these parcels and highlight them on the map.



- Close the parcel report window to view the map. Note that the Water Quality Greenprint results are displayed to illustrate how these large parcels correspond with Greenprint priorities.



- Create property profiles and or maps as desired. (Note that you can generate a consolidated profile report for all selected parcels from the selection window.)

Evaluate local plans

- Want to compare the Greenprint results to your local zoning?



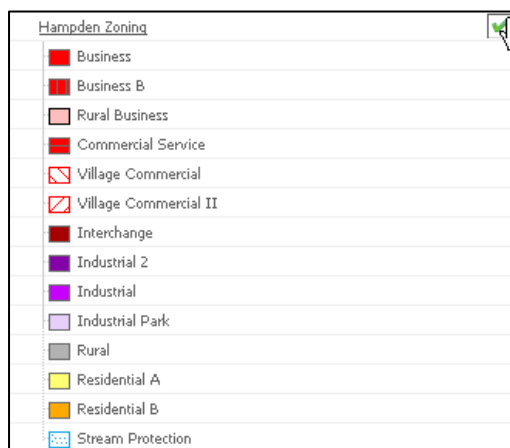
- Click the full extent tool to return to the entire Penobscot Valley extent.
- If you still have features selected, clear the selection by clicking the “X” in the upper right of the Selection Results panel.




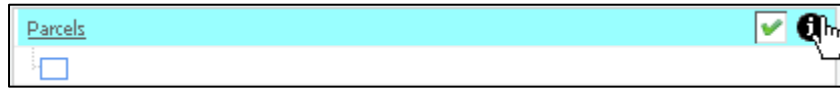
- Click the zoom in button
- Use your mouse to drag a box around your town boundaries
- Turn on the Greenprint Regional Priorities layer, and turn off all other Greenprint layers in the legend.




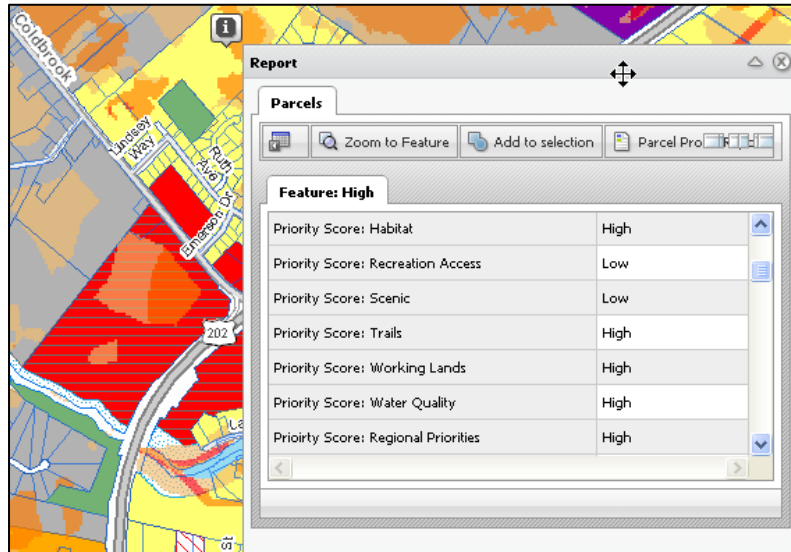
- Turn on Zoning or Planned Land Use for your town.



- Make sure the Parcel layer is active for selection by clicking the  button to the right of the layer name. The layer will become highlighted in the legend.



-  Use the Zoom tool and the Identify tool to explore areas where zoning may be in conflict with high value resources.



- Create property profiles and or maps as desired.