



## Getting Started

### Web Browser

Recommended Browsers: Internet Explorer or [Mozilla Firefox](#). FIREFOX 2

Disable your Pop-up Blocker: Pop-up blockers can interfere with some functionality and therefore should be disabled while using the mapping applications.

### Begin at the Web GIS Portal

Users should begin at the Web GIS portal page - <http://gis.co.humboldt.ca.us>. Be sure to read the [disclaimer](#) which addresses use of the system and data accuracy. Click on any of the available application links and the User Interface page will display (below). You are now ready to navigate the maps and data. Use the Map Tools to navigate the map and retrieve information. Many of the words on the page - [Airphoto](#), [Mapping](#), [Search](#), [Site Information](#) - are tabs that are used to activate various functions of the system.

**Map Tool Options**  
The current cursor mode is set to 'Zoom In'. Clicking on the map directly will zoom in on the map centered at the point clicked. Dragging on the map will create a 'Zoom Window' which will be used to approximate the new extent of the map.

**Active Tool: Zoom In**

**Mapping Layers**

- Parcels
- Zoning
- General Plan Land Use
- Williamson AG Preserves
- CDF SRA
- Airport Compatibility Zones
- Arcata Airport Noise Contours

**Coastal Zone**

- Coastal Zone Boundary
- Coastal Zone Jurisdiction
- Coastal Zone Categorical Exclusion
- Coastal Zone Access Points
- Coastal Zone Scenic Views
- Coastal Zone Scenic Areas

**Natural Resources**

- Blue Line Streams
- Streamside Management Areas
- Wetlands
- Coastal Wetland Areas
- Prime Agricultural Soils

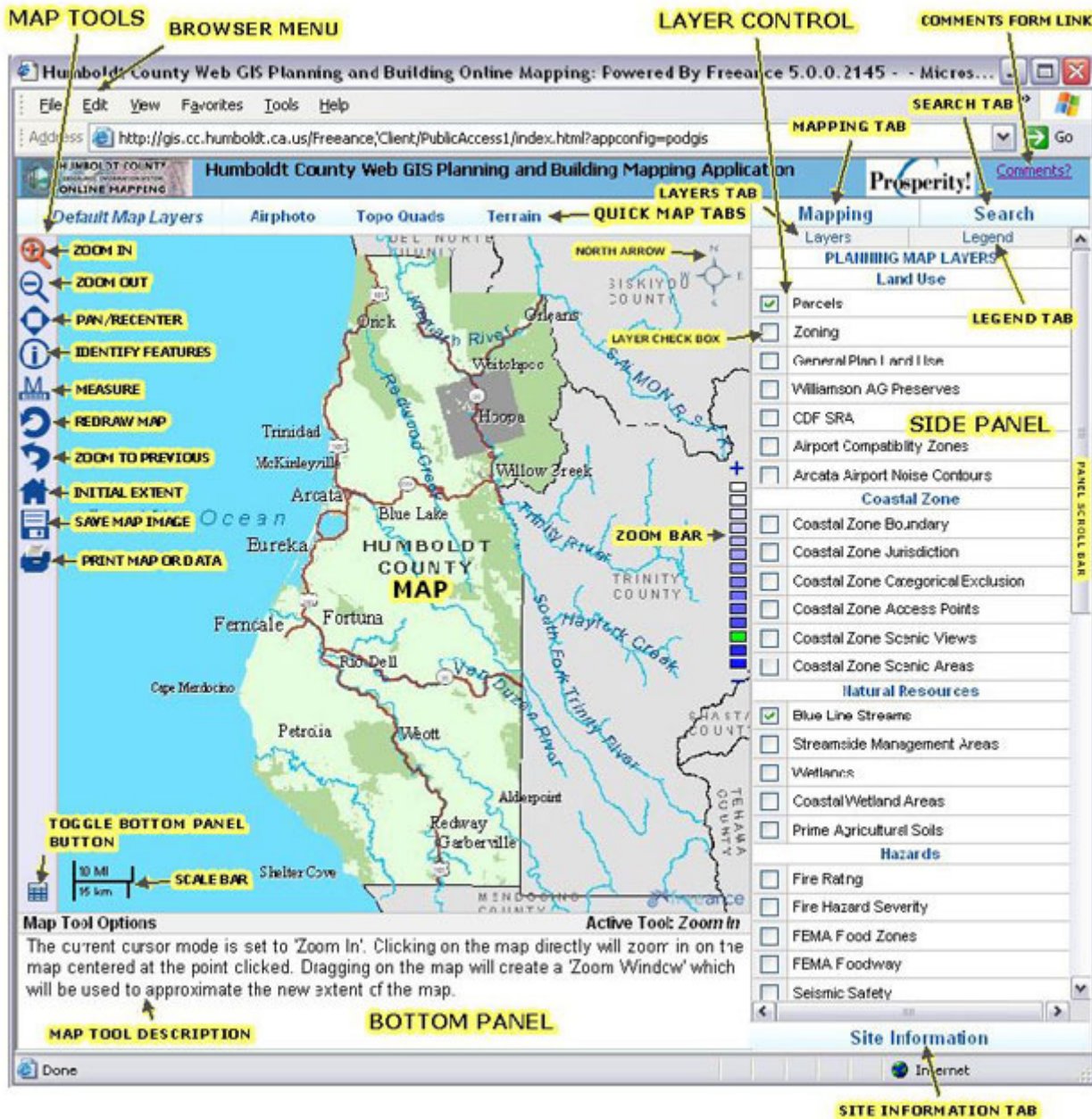
**Hazards**

- Fire Rating
- Fire Hazard Severity
- FEMA Flood Zones
- FEMA Floodway
- Seismic Safety

**Site Information**

### The Interface

The Interface is the main page for map viewing and system operation. It is where the user selects what maps and related data to display. The following layout provides an overview of the interface with its parts labeled.



## Basic Map Interaction

### Mapping Control

#### Map Tools



Figure 2A

Once the map has been loaded, you can use the Map Tools (*Figure 2A*) to navigate the map - zoom in, zoom out and or pan around in order to locate the area in which you are interested. Some map tools also can be used to retrieve information from the map and layers. In this section, we will describe how to use the Map Tools to locate areas on the map. The active Map Tool is highlighted in orange when selected. The default map tool is Zoom In and will be active on initial launch of the page. A description of the active map tool also appears in the bottom panel.

#### Zoom In



Figure 2B

The Zoom In Tool simply zooms into the map at a fixed ratio, centered on point where you click with the mouse. It also allows you to drag a window on the map and zoom in to that window location. To use it, click on the Zoom In Icon (*Figure 2B*) and then on the map where you wish to zoom.

### Zoom In

#### Zoom Out



Figure 2C

The Zoom Out Tool simply zooms out on the map, a fixed ratio, at the point where you click with the mouse. To use it, click on the Zoom Out Icon (*Figure 2C*) and then on the map from where you wish to zoom out.

### Zoom Out

#### Pan/Recenter



Figure 2D

The Pan/Recenter Tool allows you to move the center of the map to a different location. To use it, click on the Recenter Icon (*Figure 2D*) and then on the map where you want the new center of the map to appear. You can also click and drag the map using this tool.

### Pan/Recenter

#### Identify Features



Figure 2E

The Identify Feature Tool allows you to retrieve information from the Parcels map layer. To use it, click on the Identify Icon (*Figure 2E*) and on one or more parcels displayed on the map. Parcels are not displayed on the map until you zoom in to an appropriate scale. This tool is not used to navigate the

### Identify Features

map and is covered in this section - [Identify Features](#)

### Measure

#### Measure



Figure 2F

The Measure Tool allows you to interactively find distance or area on the map. To use it, click on the Measure Icon (*Figure 2F*) and click two or more points on the map. This tool is not used to navigate the map and is covered in this section - [Measure](#)

#### Redraw



Figure 2G

### Redraw Map

The Redraw Tool allows you to refresh the map. To use it, click on the Redraw Icon (*Figure 2G*) and map redraws.

#### Zoom Previous



Figure 2H

### Zoom Previous

The Zoom Previous Tool simply zooms to the last location on the map. To use it, click on the Back Icon (*Figure 2H*) and the map returns to last zoom location. Sometimes the map is drawn more than once for the same location. If the map does not change when clicking this tool, click it again.

#### Zoom Initial Extent



Figure 2I

### Zoom to Initial Extent

The Initial Extent Tool simply zooms to the full map extent. To use it, click on the Zoom to Initial Extent Icon (*Figure 2I*) and the map zooms to full extent.

#### Save Map Image



Figure 2J

### Save Map Image

The Save Map Image (*Figure 2J*) allows you to export your current map display in jpg format. To use it, simply click on the Export Map Button. A new window will open with only the map image displayed. This image can then be save to your computer.

### Print

#### Print



Figure 2K

The Print Tool allows you to print the current map, selected feature data, or search results. To use it, simply click on the Print Button (*Figure 2K*) and the Print Command Window will display. Printing the map will generate a template map Adobe Acrobat PDF print file. You can save and/or print this file. Further info on the Print functionality is covered in this section - [Printing](#)

Note: It is not recommended to use the Browser File - Print Menu to print maps or results from this application.

**Zoom Bar***Figure 2L***Zoom Bar**

The Zoom Bar, located left of the map, allows you to zoom into or out of the map, a certain ratio as designated by the Zoom Bar Button you click. To use it, click one of the Zoom Bar Buttons (*Figure 2L*) and the map will either zoom in or zoom out according to the Button you select.

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## Selections

### Identify Features

#### Identify Features



Figure 3A

The Identify Features Tool allows you to retrieve information from the map. Use this map tool to select shown features on the map and display further information on the side panel of the page.

In order to select a feature, click on the Select Features Icon (*Figure 3A*) and then on one or more features on the map. As you click on the feature(s), they will be outlined as seen in the following display (*Figure 3B*). Parcels are the default select feature layer.

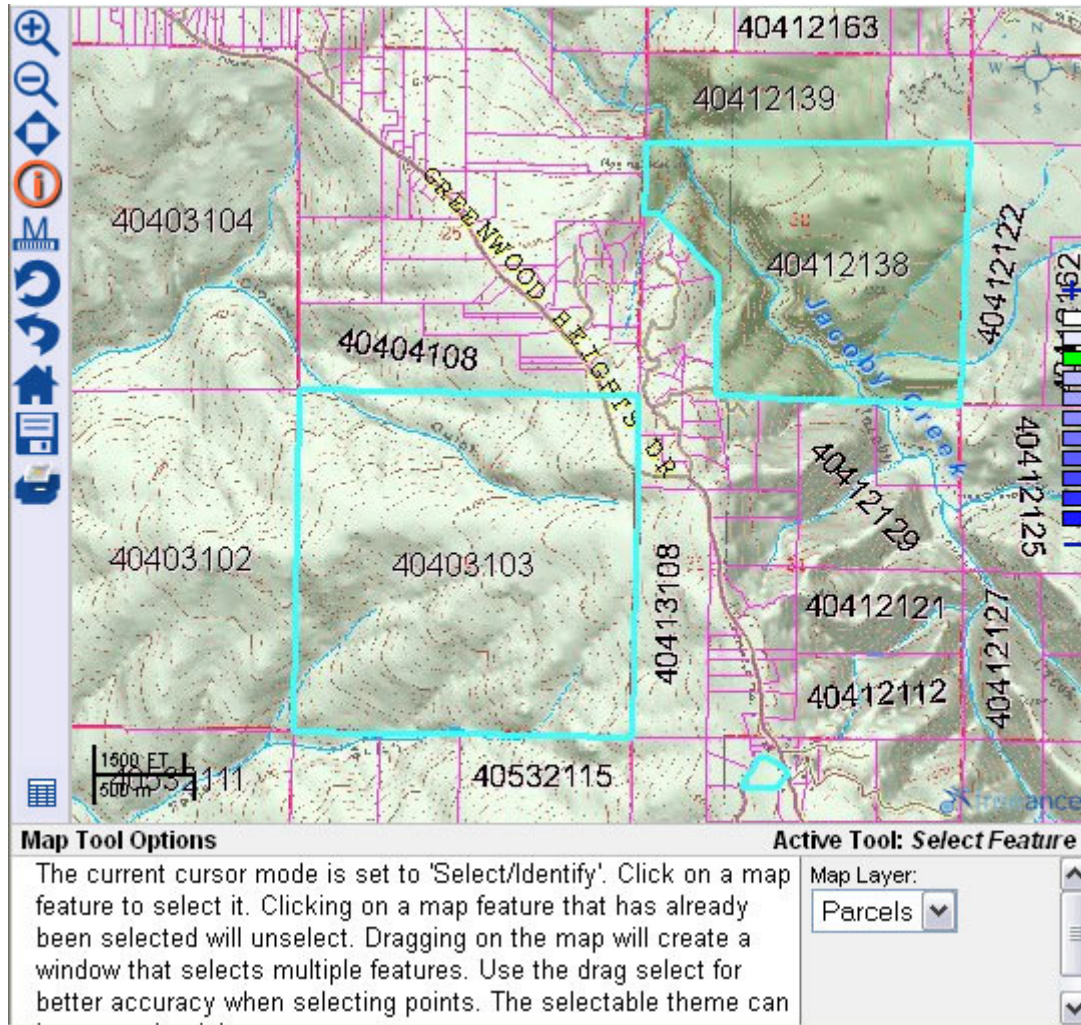


Figure 3B


After you have selected your features the Selection Details Window, of the last feature selected, appears (*Figure 3C*) on the left side panel of the page. All display fields are listed opposite their field names. You can now zoom to the selected feature or print the attributes. Click on [Selection Options](#) to display [Print Selection Attributes](#) if it is not shown. Any attribute values shown as a [hyperlink](#) can be clicked to access further information about that parcel or location. A key feature is being able to access the Assessor Parcel Map Image which can be viewed and saved to your computer. Further info on the Parcel attributes can be viewed here - [Parcel Attributes Information](#).

Show All Selections	
Selection Options	Clear
Print Selection Attributes	
Zoom to selected map feature	
Assessor Parcel Number	40412138
Assessor Parcel Map Image	<a href="#">40412 Map</a>
GIS ACRES	398.8665
Tax Rate Area	<a href="#">1008 Districts</a>
Site Street Address	
Site Address City	
Zoning with Combining Zones	<a href="#">U</a>
General Plan Land Use	<a href="#">T (JCCP)</a>
Use Code Description	Public Land, Schools, Non Taxable Entities
Use Code	8000
Last Update	2007-08-16T00:00:00
Zoning Ordinance Adoption	
Adjoining interest	
Development Plan on file(Y/N)	
In Coastal Zone (Y/N)	N
Coastal Jurisdiction	
In 100 Year Flood Zone (Y/N)	N
FEMA FIRM Flood Rating and Panel Number	
Bldg. Dept. hold on parcel (Y/N)	




Figure 3C

Clicking on [Show All Selections](#) within the Selection Details Window, brings up the Feature Selection Manager (see [Figure 3D](#) below).

The Selection Index Window displays an ID line for each feature selected.

The  at the top of this screen ([Figure 3D](#)) is the Clear Themes Button and may be used to remove all of the selection lines at once.

The three icons on each line represent ([Figure 3D](#)):

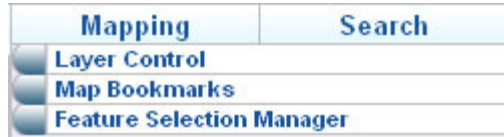
-  Print Selection and may be used to print the detail information screen of that ID Line.
-  Zoom to Selection is used to automatically zoom to the feature on the map.
-  Clear Selection can be used to delete only that ID Line.

Clicking on a Feature ID ([Figure 3D](#)) brings up the Selection Details Window for that feature (see [Figure 3C](#) above).

Mapping	Search
<b>Parcels</b>	
40403103	  
40412138	  
40405107	  

Figure 3D

Note: Clicking on the Mapping Tab (*Figure 3D*) brings you back to the Mapping Options Screen (*Figure 3E* below).

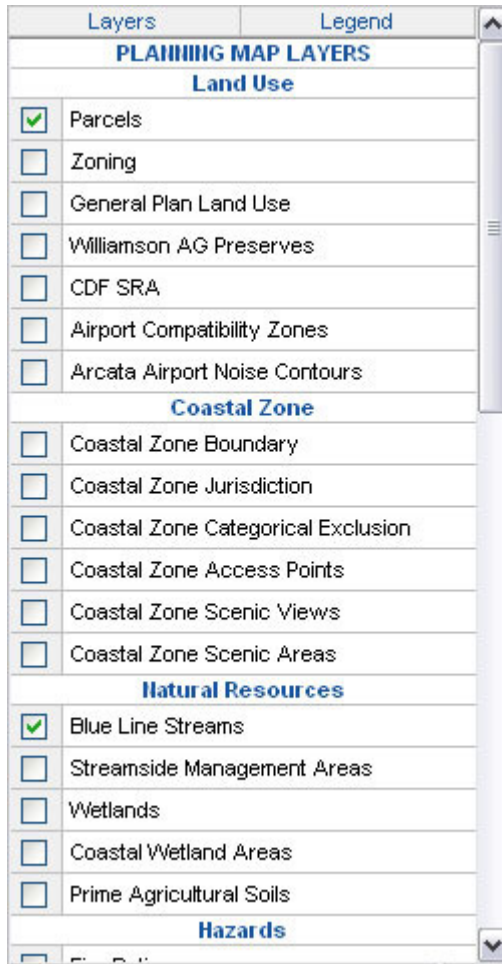


*Figure 3E*

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# Layer Control

## Layer Control Panel



**Layer Control**  
Figure 4A



**Mapping Tab**  
Figure 4B

Layers are the various themes of data displayed on the map. The Layer Control Window (*Figure 4A*) is shown in the right side panel of the page.

You can use this control to turn layers on (display them) and layers off (hide them). In order to turn a layer on or off, use the mouse pointer to click on the layer check box next to it. It may take a few moments for the map to redraw. A checked box next to the layer name means the layer is on, while an unchecked box means it is off. Some layers only display when the map is zoomed in. In *Figure 4A*, Parcels and Blue Line Streams are currently on, while all of the other layers are off. Use the panel scroll bar to access all the layers available.

Click on Legend at the top of the panel to display the map legend. Note: The map legend feature is currently not working correctly.

To activate the Layer Control Panel if it is not displayed in the left panel - Click the Mapping Tab and then Click Layer Control (*Figure 4B*)

## Quick Map Tabs



**Quick Map Tabs**  
Figure 4A

Quick Map Tabs, located directly above the map image, allow the user to display map layers without using the layer control. Clicking on the Map Tab text (*Figure 4A*) turns on the layer(s) associated with that map tab. To reset the map to the original layer scheme, use the Default Map Layers tab. This is a quick way to display common map layers for the application.

## Searches



Searches are queries to tabular databases that are linked to map themes.

Map themes often have tabular databases linked to them. Each of their features has a record in a database that provides detailed information about that feature. This enables searches based on addresses, parcel number or other attribute information.

Mapping	Search
<b>Find Address</b>	
Search for an address and zoom to its location on the map.	
<b>Find Intersection</b>	
Search for an intersection of two streets and zoom to its location on the map.	
<b>Find Parcel</b>	
Search by Assessor Parcel Number	

Figure 5A

### Search

Click on the **Search** Tab located just above the left side panel. *Figure 5A* shows the standard search options. Click on any of these options to bring up the corresponding search form (see *Figs.5B-D*).

Click on [Show All Searches](#) to return to any of the other search options.

### Find Address

<a href="#">Show All Searches</a>
<b>Find Address</b>
Enter a street address and City or Community Name on this form and click 'Run Search'. Enter the City or Community Name for Zone.
Example: Street 3015 H St. Zone Eureka
Street: <input type="text"/>
Zone: <input type="text"/>
<b>Run Search</b>

Figure 5B

Enter a street address and City or Community Name for the two form entries and click the run search button.

A Location Search Result message will display in the bottom panel and the map will zoom to the entered address if a result is found.

Try leaving the City or Community Name entry blank if you are unsure of this entry or no results were found with a entry. A street address consists of a street number, street name and street type.

### Find Intersection

<a href="#">Show All Searches</a>
<b>Find Intersection</b>
Enter the names of two streets Search for an intersection of two streets and zoom to its location on the map. Enter the City or Community Name for the Zone Entry.
Street: <input type="text"/>
Zone: <input type="text"/>
CrossStreet: <input type="text"/>
<b>Run Search</b>

Figure 5C

Enter street names for Street and Cross Street and City or Community Name for the three form entries and click the run search button.

A Location Search Result message will display in the bottom panel and the map will zoom to the entered intersection if a result is found.

Try leaving the City or Community Name entry blank if you are unsure of this entry or no results were found with a entry. A street address consists of a street number, street name and street type.

### Find Parcel

[Show All Searches](#)

**Find Parcel**

Search by Assessor Parcel Number (APN)

Enter Full or Partial APN

Note: A Full APN Entry is an 8-Digit Number.

[Export Query to CSV](#)

**Run Search**

*Figure 5D*

Enter a Full or Partial Assessor Parcel Number (APN) and click the Run Search Button. The search results appear in the bottom panel. Click on any of the [hyperlinked](#) APN values in the search results to get the map to zoom to that parcel's location (Figure 5E).

To export the search results to a comma delimited spreadsheet file (csv) enter the full or partial APN and click [Export Query to CSV](#). A pop-up should appear that asks you to open or save a zip file containing the csv.

	[API#]	[ACRES]	[OLDAPI#]	[fulladdr]	[ZONING]	[GEN_PLAN]	[ZONEDATE]	[TRAIDATE]	[TRA]	[F]
1	<a href="#">40412138</a>	398.8665			U	T (JCCP)		2007-08-16	1008.0	

[Prev](#) Current Page: [1]out of[1] [Next](#)
[Clear Results](#)

*Figure 5E*

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## Printing Maps and Data



The Print Function allows user to print various information sets within the system

Printing can be performed on the following information sets:

- Current Map View
- Search Results Pages
- Selected Feature Detail Data



Figure 6A

### Printing a Map

A nicely formatted printout may be obtained of the current map in Adobe Acrobat PDF Format. Click on the Print Tool (Figure 6A) and the Print Command Window will display (Figure 6B). Select Map Image and Click Print on the lower right of the Print Command Window. A Adobe Acrobat document will be generated which can be saved or printed. [Click Here](#) to see an example of a printed map.

If you don't have the latest Acrobat Reader software, you can download it by clicking on the following icon:



Note: If you can see the Print button on the Print Command Window, try switching the Item to Print option to Search Results or Selected Feature and then back to the option you would like to print.

**Freeance Print Manager**
Close

**Choose Item to Print:**

Map Image

Search Results

Selected Feature Data

**Map Print Template Options**

Page Layout: Print Landscape (8.5in x in11) landscape ▾

Scale:  Use current display scale

1 inch ▾ =  Feet ▾

Custom Text:

Print Cancel

Figure 6B

### Printing Data

Search Results and Selected Feature Data are formatted to a standard html page which then can be printed.

Search Results Pages may be printed by clicking on the Print Tool (Figure 6A) and selecting Search Results in the Print Manager (Figure 6C).

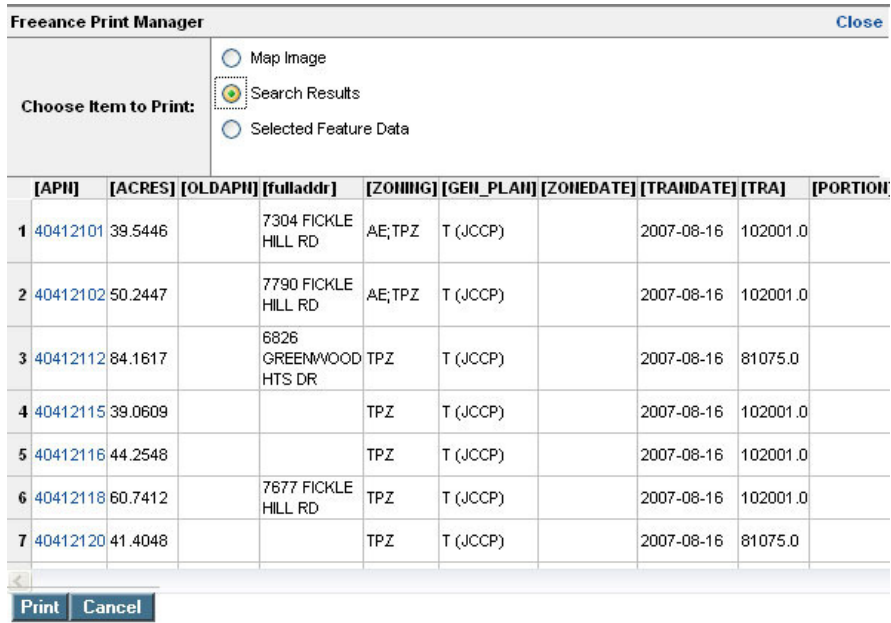


Figure 6C

Selected Feature Data may be printed by clicking on the Print Tool (Figure 6A) and selecting Selected Feature Data in the Print Manager (Figure 6C).

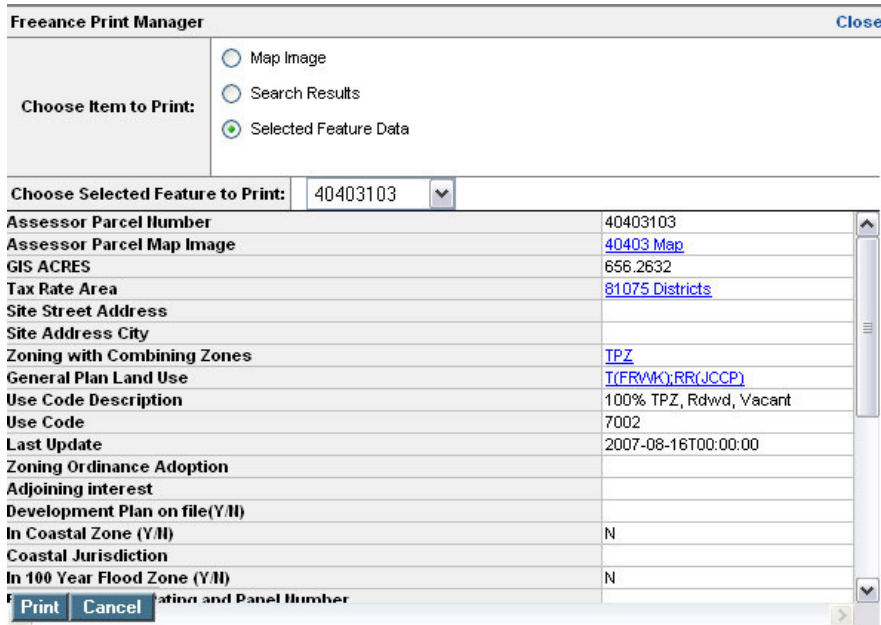


Figure 6D

## Bookmarks

Bookmarks are user assigned links to specific map locations and displayed layers. They permit users to quickly return to past map locations without performing lengthy searches or spending time hunting through the map.

Note: Bookmarks are only saved during a mapping session. If you close or refresh your browser, previously saved bookmarks will not be available.

When you have arrived at a map location you wish to save, click on the Mapping Tab and then Map Bookmarks (*Figure 7A*). The “Add Bookmark” Screen (see *Figure 7B* below) then appears in the side panel.

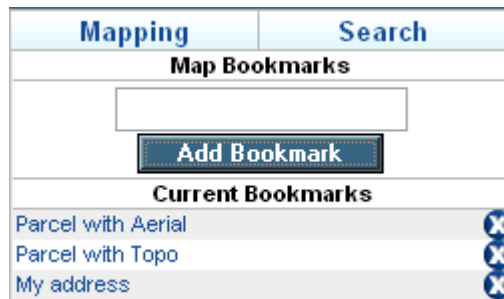


*Figure 7A*

Type in a name that you wish to associate with the current map location and click the Add Bookmark Button (*Figure 7B*). Make the name descriptive of the location, so you will know what the location represents. Notice the three saved bookmarks in the window below (*Figure 7B*).

In order to zoom to a Bookmark location, simply click on the Bookmark Name (see *Figure 7B* below). The map immediately zooms to that location and recalls the layers that were turned on when the bookmark was saved.

Bookmarks may be deleted by clicking the “X” next to it.



*Figure 7B*

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# Map Measure



Figure 8A

The Measure Tool allows you to take distance and area measurements on the map.

In order to measure the distance between two map points or along a group of points or area, click the Measure Tool (Figure 8A). The Measure tool options (see Figure 8B below) then appears in the bottom panel. Check the Show Area box if you want to measure an area on the map. From the Units dropdown, select the units you wish to use. Next, begin clicking on the map where you wish to measure (see Figure 8C). "Push Pins" appear at each of your points, connected by red lines (see Figure 8C below) and displays the measured statistics (Figure 8B).

Clicking the "Clear" button, will clear the statistics and map of your measurement points.

Map Tool Options	Active Tool: Measure Distance	
The current cursor mode is set to 'Measure'. Clicking on the map will add a point to the distance being measured and place a marker. If the cursor is held in place over the marker, it will give the distances..	Units: Feet	Live Update: <input type="checkbox"/>
	Distance: 8028.57 ft	Show Area: <input checked="" type="checkbox"/>
	Area: 3919280.86 sq. ft	Clear
	Acreeage: 89.97 ac	

Figure 8B

The map displays a topographic view of the Arcata Community Forest. A cyan rectangular boundary encloses a portion of the forest. Within this boundary, a red-shaded polygon represents the measured area. Several blue pushpin markers are placed along the perimeter of this red polygon. The map includes parcel boundaries with identification numbers such as 40412139, 40412144, 40412123, 40412122, 40412125, 40412130, 40412129, 40416001, 40416002, 40416010, and 40413103. A creek labeled 'Jacoby Creek' flows through the upper left. A road labeled 'GREEN RD' is visible at the bottom. A scale bar indicates 50 feet. A vertical toolbar on the left contains various GIS navigation icons. The bottom panel of the map interface is identical to the one shown in Figure 8B, displaying the 'Active Tool: Measure Distance' options.

Map Tool Options	Active Tool: Measure Distance	
The current cursor mode is set to 'Measure'. Clicking on the map will add a point to the distance being measured and place a marker. If the cursor is held in place over the marker, it will give the distances..	Units: Feet	Live Update: <input type="checkbox"/>
	Distance: 8028.57 ft	Show Area: <input checked="" type="checkbox"/>
	Area: 3919280.86 sq. ft	Clear
	Acreeage: 89.97 ac	

*Figure 8C*

In addition, after placing your points, returning the mouse to any point will display a “Mouse-Over Window” with again the “Point’s Sequence #”, “Cumulative Distance” and “Last Segment Distance”. Thus, you can always redisplay the “Segment Distance” between any two points.

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## Legends

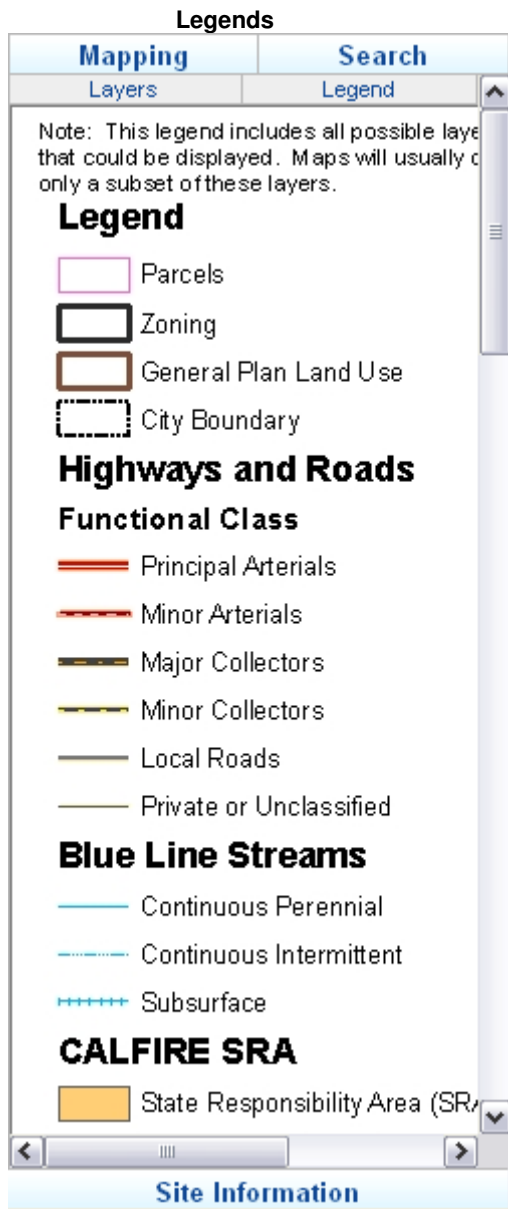


Figure 9A

## Legend Window

The Legend Window displays the graphic representations of the various map features (*Figure 9A*).

Note: This feature is currently not working correctly.

The Legend Window is displayed in the side panel of the application. To activate the Legend Window:

- Click the Mapping Tab
- Click on Layer Control
- Click on Legend

## Disclaimer

It is very important that users be aware of the accuracy and use disclaimer. The information and maps shown on this system should be used for planning purposes only. It should not be the sole source for determining map boundary locations for parcels, zoning, land use, roads, or other information displayed on this system.

### Accuracy and Use Disclaimer

Humboldt County makes no guarantee of the accuracy or completeness of this information or data. It has not been fully reviewed for accuracy and is intended to be used for planning purposes only. Humboldt County assumes no liability or responsibility in the use, or misuse, of this information or data. While every effort has been made to assure the accuracy of this information, it should be understood that it does not have the force and effect of law, rule, or regulation. Should any difference or error occur, the law will take precedence. Please note the accuracy of GIS map data varies from location to location in the County. This GIS system is useful for planning purposes but should not be solely relied upon to determine property, zoning or general plan designation boundaries or be used in any way for project design. All GIS data should be verified before it is materially relied upon for property or project planning.

#### Further Accuracy Information

Please note the accuracy of GIS map data varies from location to location in the County. In urban areas the GIS map data maybe inaccurate by as much as 50 feet in any direction or more. In rural areas the map data may be inaccurate by as much as 400 feet in any direction or more. This is a general accuracy disclaimer. Data may be more or less accurate depending on source information and digitizing methods. Source information is provided on the [data source page](#).

#### Ownership Information

California Government Code 6254.21 states that "No state or local agency shall post the home address or telephone number of any elected or appointed official on the Internet without first obtaining the written permission of that individual." As the cost to collect and continuously update that information is prohibitive, we are not providing the Assessee name information on this system.

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## More Info

This is a work in progress and we welcome your feedback.  
You can use our online form to send us comments or questions about the system.

----> [Online Comment Form](#)

### Contacts

Chinmaya Lewis	Tom Hofweber
GIS Planner (Primary Contact)	Supervising Planner
Phone: 707-268-3737	707-268-3738
E-mail: <a href="mailto:clewis@co.humboldt.ca.us">clewis@co.humboldt.ca.us</a>	E-mail: <a href="mailto:thofweber@co.humboldt.ca.us">thofweber@co.humboldt.ca.us</a>

### Links

[What is GIS?](#)

[Humboldt County GIS Data Download](#)

### Software

This system uses the latest internet map server technology ArcGIS Server from ESRI to publish mapping and data services. Freeance Web was utilized to quickly deploy multiple web applications each with a user friendly webpage interface for displaying and navigating the map as well as searching and querying data.

- [ESRI ArcGIS Server Technology](#)
- [Freeance Web Software by TDC Group](#)

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