

Ella Maps 2 Help Document

Background

The Easy Land Locator Application Maps (ELLA maps) application located at <http://www.co.linn.or.us/webmap> was created in 2003 to provide Geographic Information System (GIS) and mapping services to the citizens of Linn County. This website is to be used only under the terms laid out in the website disclaimer (see appendix A to view the disclaimer).

Website Layout

The website is made up of five different sections or web frames (see figure 1).

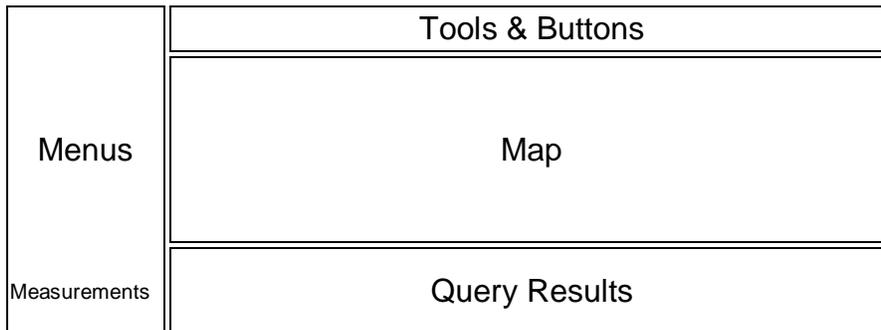


Figure 1: Conceptual Web Page Layout

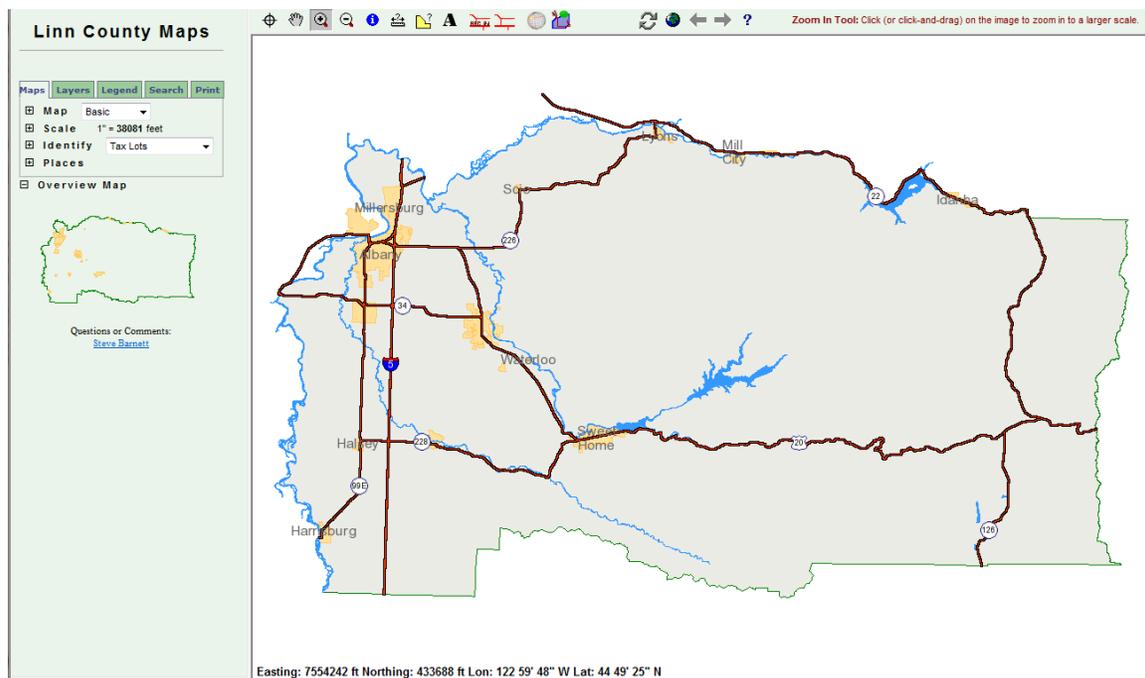


Figure 2: Initial Website view

These sections are the **Menus** section (1), the **Tools and Buttons** section (2), the **Map** section (3), the **Query Results** section (4) and the **Measurements** section (5). When you first come into the application only the first three sections will be visible. The Query Results section will automatically appear as soon as an identify or search operation is successfully run. The measurements section appears once you have used the measurement tool. Figure 3 shows what each of the frames look like.

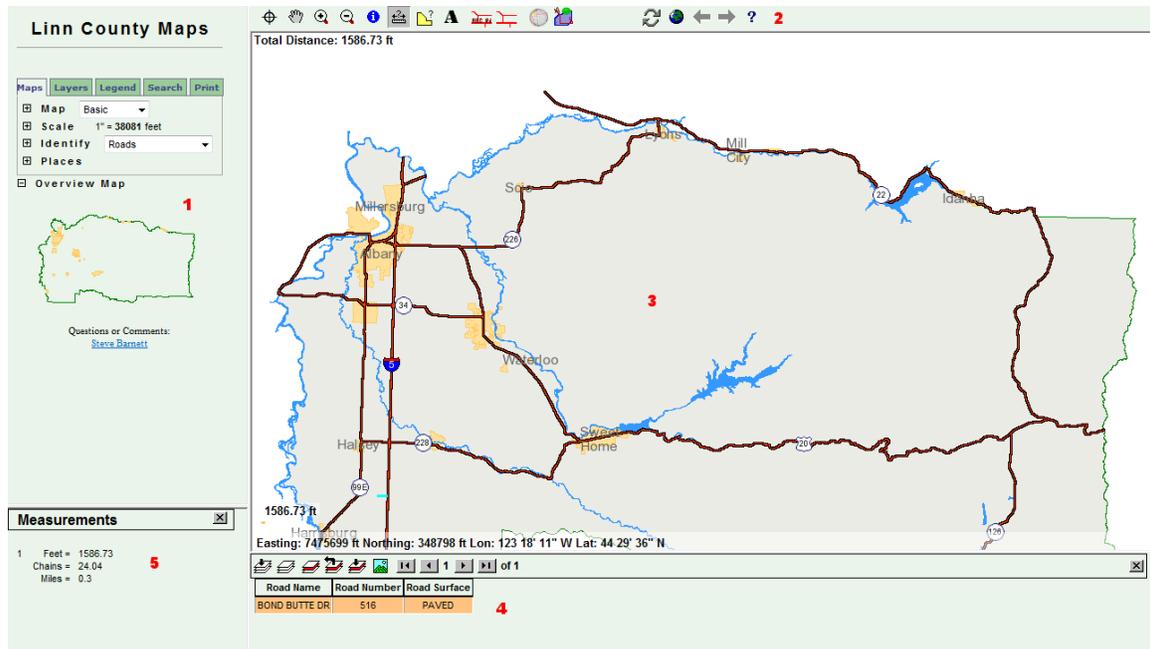


Figure 3: Frame Layout

You can remove both the **Query Results** and the **Measurements** section by clicking on the X in the upper right corner of the sections. Figure 4 shows the location of the X buttons.

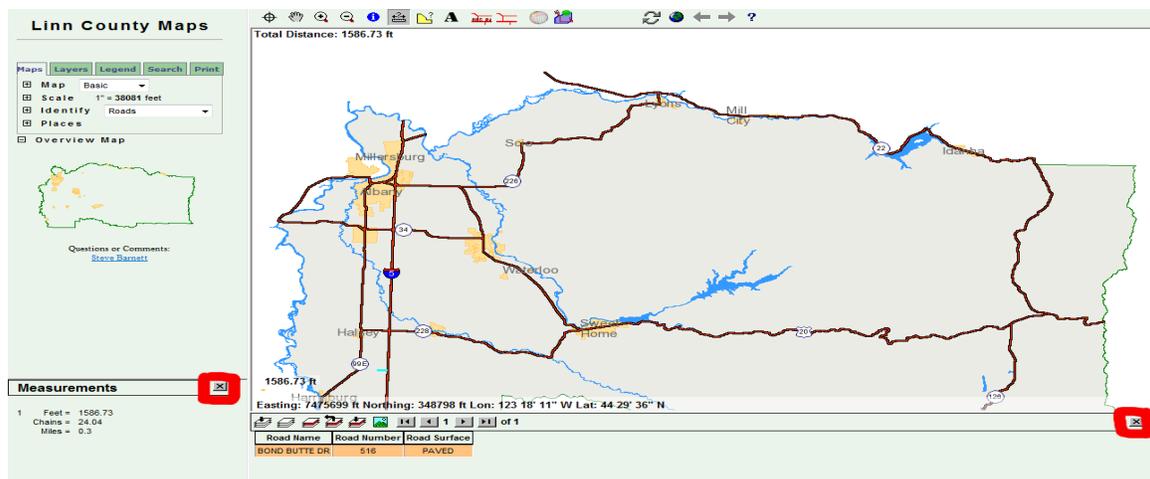


Figure 4: Frame Removal buttons

Menu Frame

One of the main differences between Ella version 1 and Ella version 2 is the inclusion of a tabbed menu frame. Figure 5 shows the tab layout. The tab format was created to simplify the menu frame. Each tab allows you to perform a portion of the functionality that the previous Ella (version 1) menu contained.



Figure 5: Tabbed Menu

To switch between tabs simply click on the tab name you want to navigate to. The Menu section allows you to customize, navigate, search and print. Click the  icon to expand any menu, and the  icon to collapse it. Clicking on the menu name will also expand and collapse the menu. Refer to the menu descriptions below.

Maps Tab

The **Maps** tab allows you to select a map type, scale, identify feature and places.

Map Types

Map types are preset groupings of GIS layers (see figure 6).

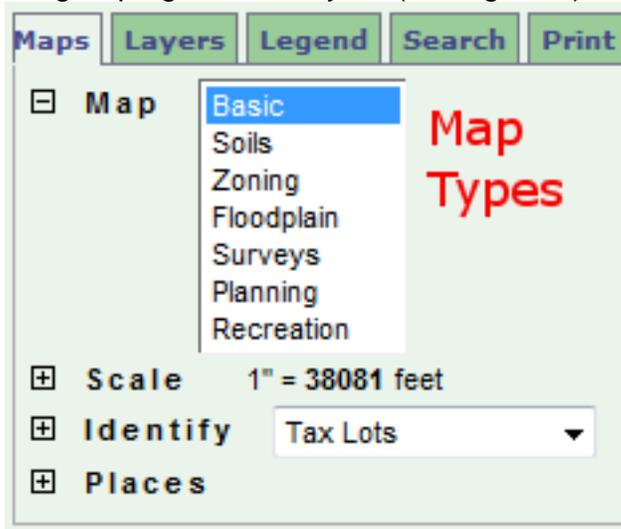


Figure 6: Map Types

None of the maps contains every theme, but most of them have all of the common themes. The difference between them is which themes are turned on by default when you go into the map. Switching between maps will turn some themes on and turn others off. Each map has a distinct focus: basic (general mapping), soil type (soils), zoning (land use), floodplain (hydrology and elevation), surveys (surveying), planning (various planning themes), or recreation (recreation opportunities). The selection of a map will not change the current position or scale of the map section. This means that once you've found a specific location, a piece of property for example, you can see various aspects of the area by simply changing the map. Note that when you change the map, the contents of the legend changes. The GIS layers available in each map type are listed in appendix B.

Scale

The **Scale** menu allows you to set the scale of the map. The **current** scale is displayed next to the menu heading (see figure 7).

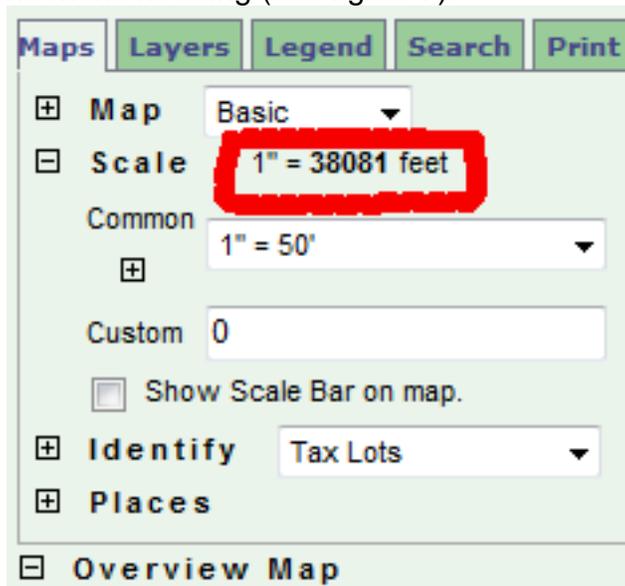


Figure 7: Current Scale

You can choose from one of twelve common scales by clicking on the down arrow next to the common box and selecting the scale you want to use (see figure 8).

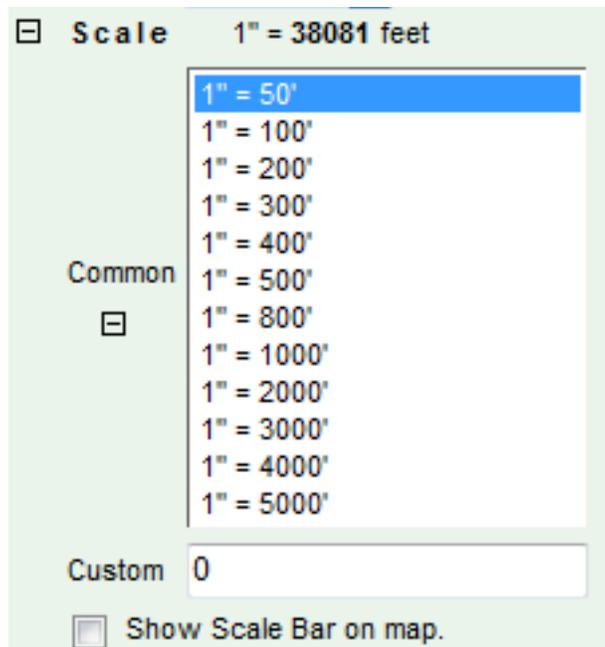


Figure 8: Common Scale Selection

Clicking on the scale will automatically take you to the scale you selected. You can view the list of preset scales by either clicking on the down arrow visible in figure 7 or by clicking on the plus sign next to the word common on the menu. (The expanded list in figure 8 is a result of doing this.) You can also select a **custom** scale by typing in any number between 10 and 833,333 in the custom scale box (see figure 8). Once you have typed in the number press enter to make the scale zoom to your custom extent.

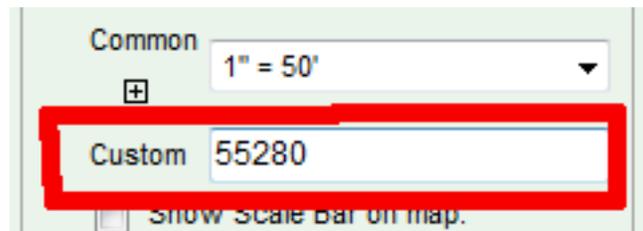


Figure 9: Custom Scales

Both the common and the custom scales use inches per foot as their scale units. In the custom example above it means every inch on the screen equal 55280 feet on the ground. You can add a scale bar to the map by checking the **Show Scale Bar on map** box located under the custom scale (see figure 8). This is helpful when you plan on printing your map.

Identify

The **Identify** menu allows you to select the layer that will have information returned for it when you use the Identify tool . The identify tool is one way to select information about a specific point, line or polygon of a GIS layer. The information is displayed in the **Query Results** section of the webpage and in the

Search Results section located under the Search tab (see figure 10). It is possible to have more than one item selected at a time. Information on how to use the multi selection navigation tools is available in the **Query Results** section of this document.

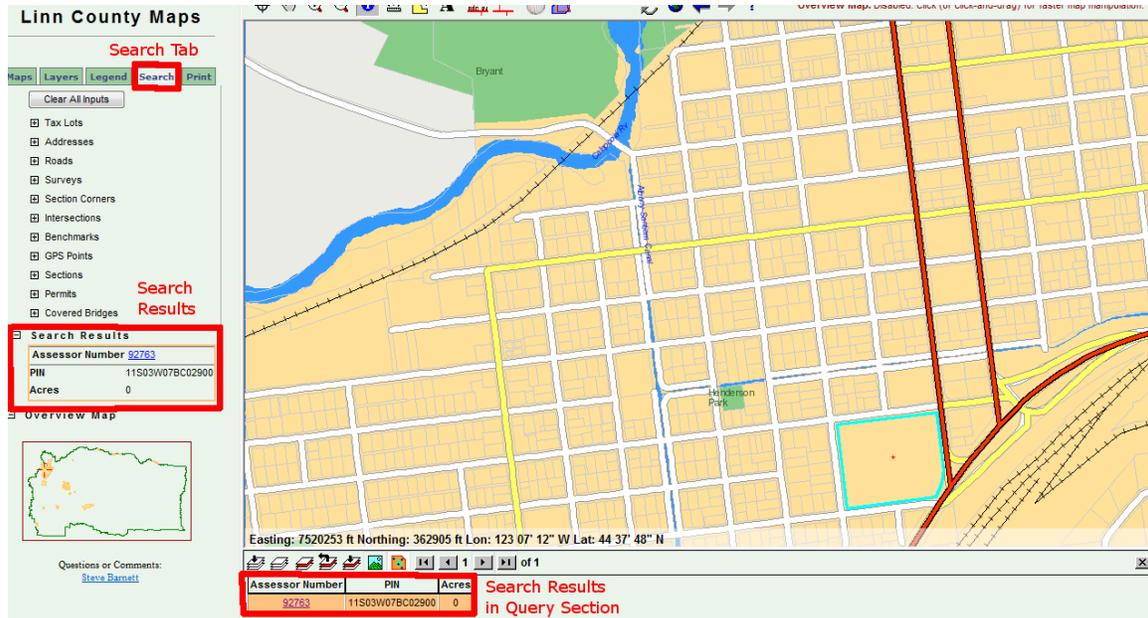


Figure 10: Search Results

Figure 11 shows the list of GIS themes available for use with the identify tool. You can select a GIS theme from the list by pressing the down arrow next to the identify box (similar to how we selected a common scale). You can also get the list by clicking on the plus sign next to the Identify menu and selecting the GIS theme by clicking on it (as shown in figure 11).

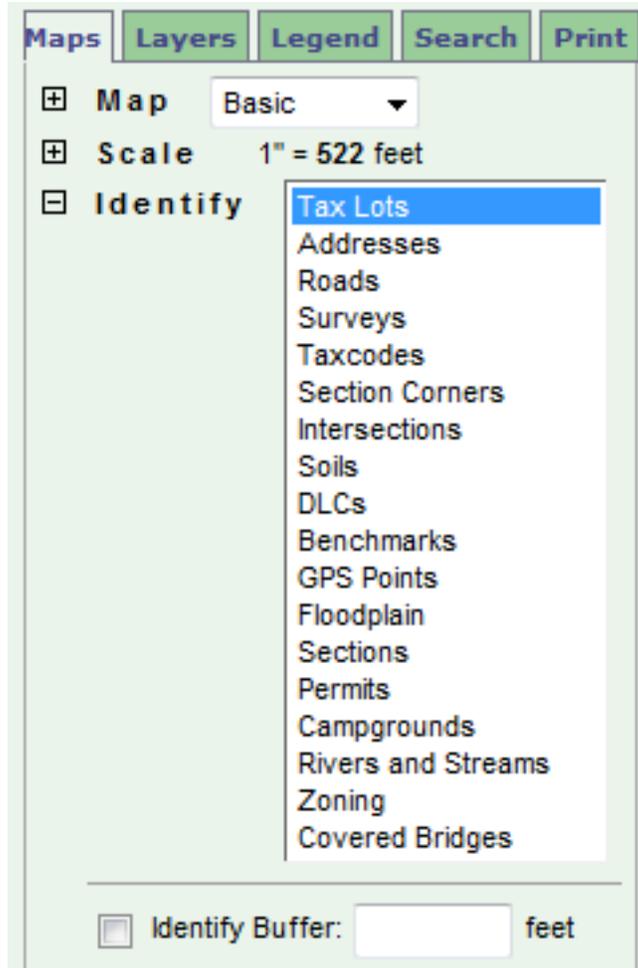


Figure 11: Layers That Can Have Identify Run On Them

The Identification (ID) layer doesn't have to be in the current map. However, there will probably be at least one map that is optimized to display each ID layer. Sometimes it is difficult to select exactly what you want using the identify button. If you receive a pop up box saying *"I'm sorry, the search returned no results"* the identify tools selection did not find any features of the GIS layer currently selected in the Identify menu. You can resolve this problem in one of four ways. First check to make sure you have the correct GIS layer selected in the identify menu. Second you can zoom in to a closer scale. The closer you are the more likely you will select the proper attribute. (See the **Tools and Buttons** section to get a description of how to zoom using the zoom tool.) The Third method is to click on the screen and draw a box around the feature you want by holding down the mouse button until the box is complete then letting it go. This process will select any features from the GIS theme currently set in the Identify menu that falls partially or entirely within the box. Finally you can use the **Identify Buffer** tool to give you a wider selection area when you click on the map. For example, to find all the roads within 750 feet of a point, make roads the identify layer (figure 12 number 1), click the buffer check box and enter a number (750) (figure 12 number 2) and then click on the map using the identify tool (figure 12 number 3). This will select all roads in the map that meet the criteria (inside box) and

give you information on all roads that fall within 750 feet of your selection point (figure 12 number 4).

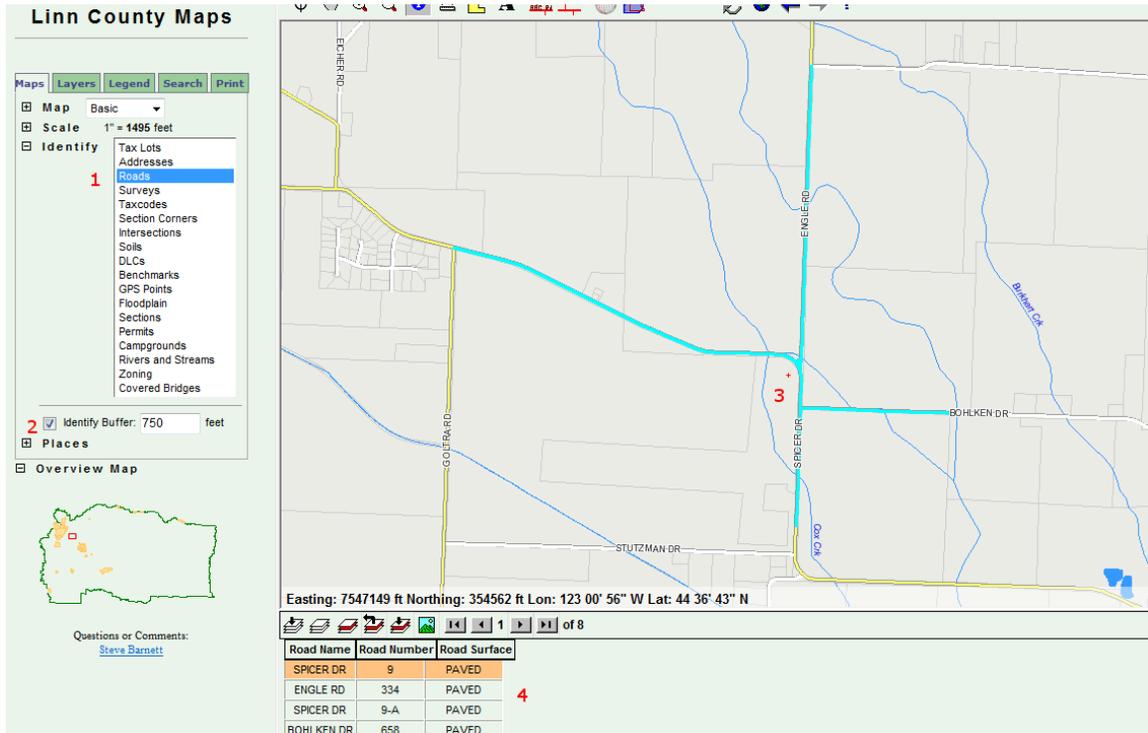


Figure 12: Identify Buffer

Places

The **Places** menu allows for quick navigation to common locations by panning/zooming the **Map** frame directly to the selected location. Locations include schools, parks and some public and nonprofit office locations. Each incorporated city in the county has options listed under it. The places menu also includes several of the larger unincorporated areas of the county.

Layers Tab

Layers

The **Layer** tab allows you to turn on and off the individual GIS layers that make up the current map. The check boxes next to each layer determine whether or not the layer will be drawn (see figure 13). When a map is selected,

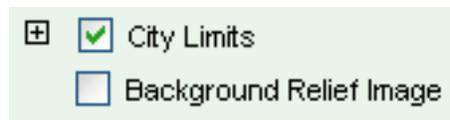


Figure 13: Check Boxes

not all the available layers are initially visible. Once you've checked the layers that you want visible, click on the redraw button to add the GIS layer to the map (see figure 14).



Figure 14: Redraw Map Button

Some layers are actually groups of layers. Expanding a group displays the list of layers within it (see number 1 figure 15), while expanding a single layer displays the symbol(s) used in the map to represent that layer (see number 2 figure 15).



Figure 15: Groups, Layers and Scale Dependencies

Sometimes a checked layer may not be displayed on the map. This happens when the scale of the map is not within the preset minimum and maximum display scale set for the GIS layer. In these cases, a (+) or (-) will be displayed next to the layer. The plus (+) lets you know that you need to zoom in to view the layer and the minus (-) lets you know you must zoom out to make the layer visible (see number 3 figure 15). Although some of the layers in a group may be checked, they will not be displayed on the map unless the group itself is checked (see number 4 figure 15).

Legend Tab

Legend

The legend tab works like a legend on a map. It gives a representation of what each of the themes selected in the layers tab look like (see figure 16).

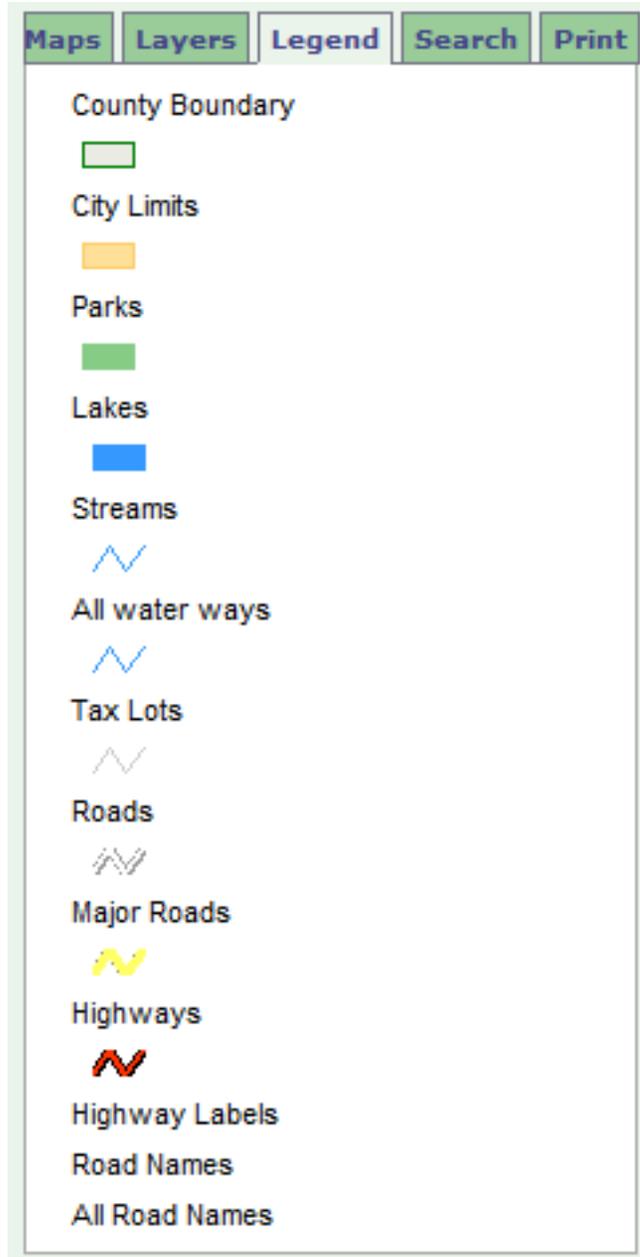


Figure 16: Legend Tab

Search Tab

Search

The **Search** menu allows you to search the specified map layers for specific features, like an address or a survey. (See figure 17 for a list of searchable GIS layers). The **Search** tab allows you to search any searchable layer regardless

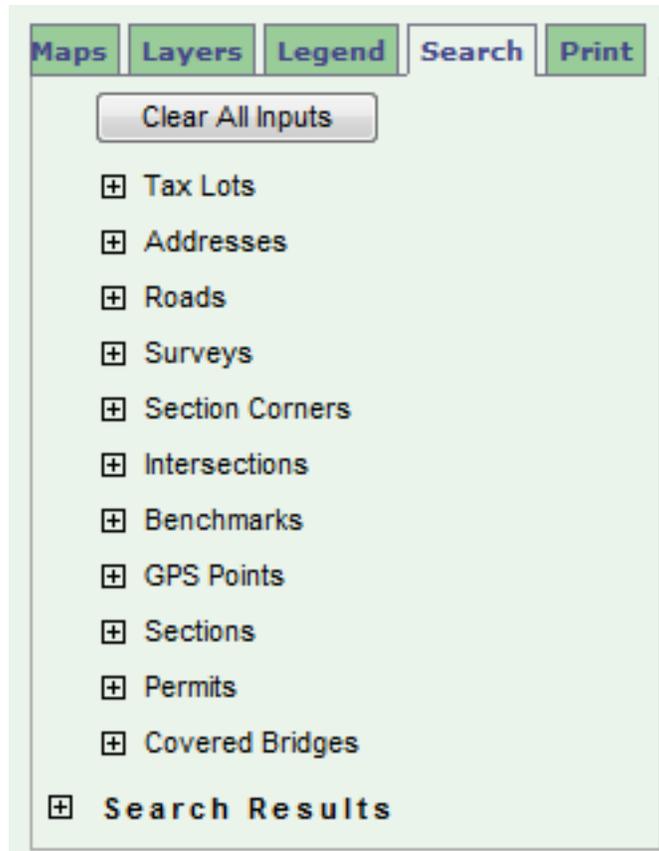


Figure 17: Searchable Layers

of whether it is in the current Map or Legend. However, there will probably be at least one map that is optimized to display each search layer. To search on a layer click on the plus  next to the layer name to open up its search menu. While each of the GIS layers is searched using a slightly different means than the others, there are two basic types of searches. *Note: Appendix C contains examples of each GIS layer type being searched.* The first type of search is the text based search. This type of search is used by Addresses, Covered Bridges, GPS Points, Permits, Roads, Section Corners and Surveys. This method can have one or more lines for entering text. To search using this method you need to type the name of the feature you are looking for into a dialog box and press the search button (see figure 18).

Addresses

Number:

Street:

City:

Figure 18: Text Based Search Example

You do not need to put in the complete text string. The search will match whatever text you put into the search criteria. For instance when searching on a street name in the Address section, you might want to type in 34^h instead of 34th Ave. This prevents you from having to guess at how the word avenue is abbreviated. For best results you will want to put in the least information possible. The second method is the pick list method (see figure 16).

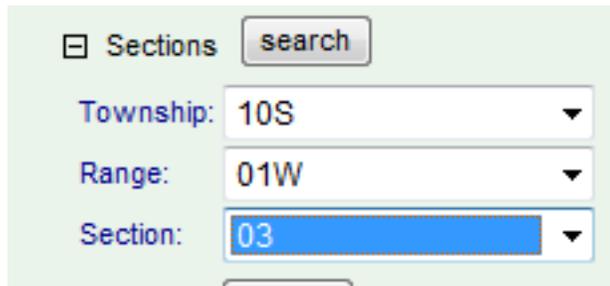
The image shows a search interface for land sections. At the top left, there is a checkbox labeled 'Sections' which is checked. To its right is a 'search' button. Below this are three dropdown menus. The first is labeled 'Township:' and contains the text '10S'. The second is labeled 'Range:' and contains the text '01W'. The third is labeled 'Section:' and contains the text '03'. Each dropdown menu has a small downward-pointing arrow on its right side.

Figure 19: Pick List Selection Method

This method is used for Benchmarks and Sections. It does not allow you to type in the information you need, but instead lets you click on a down arrow (see box in figure 19) to pick your information from a list of possible variables. Once you have selected the information you want press the search button to begin your search. You do not have to select information in each pull down menu prior to doing your search. Only one of the pull down menus needs to have information for a search to be possible. The Intersections and the Tax Lots layers can be searched using a combination of both methods. The Tax Lot theme can be searched using either the combined or text search method. The text search method is used for Assessor Number searches and the combined pick list/text search method is used for map and tax lot searches (Township, Range, Section, ¼ Section, 1/16 Section from the pick list and the Maplot from the text search method).

Clear All Inputs Button

The Clear all inputs button (See figure 17) at the top of the searches is used to clear text information in any of the text based search boxes.

Search Results

The **Search Results** menu displays the selected record of the Query Table section in an easy to read format. The fields displayed in the **Search Results** menu may not necessarily be the same as those in the Query Table section. This allows for a more detailed description of the selected record. Some fields may provide links to other web pages.

Print Tab

Print

The **Print** tab is used to provide information necessary for printing out a copy of the map in the **Map** section. You can add in a title for your map by typing it in the text input box next to the word Title (see figure 20)

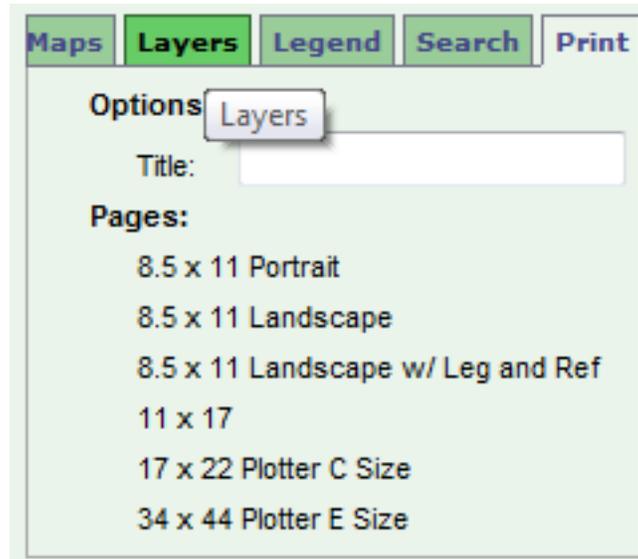


Figure 20: Title Box

The print menu also lets you select between one of six different page layouts. The first layout type is Portrait. Clicking on this link will open up a new browser window with the **Map** section of the web page in portrait format (11 inches tall by 8.5 inches wide.) The second layout type is landscape format. It will open up a new browser window with the **Map** section of the web page laid out on the page in landscape format (8.5 inches tall by 11 inches wide.) The third layout format is the same as the second one except that it also includes a map legend in the new browser window. *Note: In order to get a landscape print to print in landscape format you need to change the page setup function of the pop up print window to landscape format.* We also have 11 by 17, 17 by 22 and 34 by 44 inch options. You will need a plotter or larger format printer to use these options.

Overview Map

The **Overview Map** option is on all five of the tabs. It allows you to show or hide the reference map. The reference map is a small map in the bottom left hand corner of the browser (see figure 21). The reference map shows you, with a red box, the extent of the current map relative to the entire map. If there is no red box, it means you are either zoomed out far enough that you don't need it or you are zoomed in close enough for the box become a small red cross-hairs.

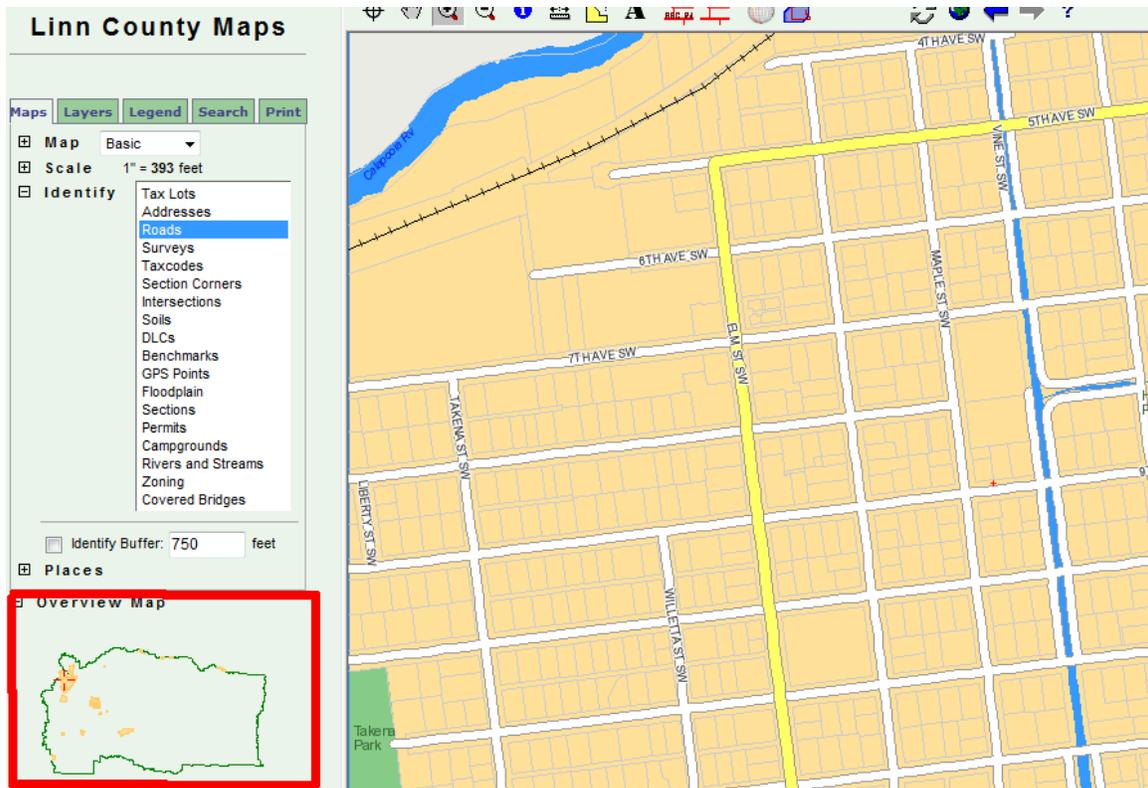


Figure 21: Reference Map

Coordinates

Coordinates (Northing/Easting and Latitude/Longitude) are calculated on the fly by the program and displayed in the bottom bar of the web browser (see Figure 22). These coordinates are calculated using a grid system as you move the cursor around the map. While this system provides quick approximate references, the calculations do produce some error. The coordinates are rounded to the nearest second (This can be more than 100 feet depending on where you are.)

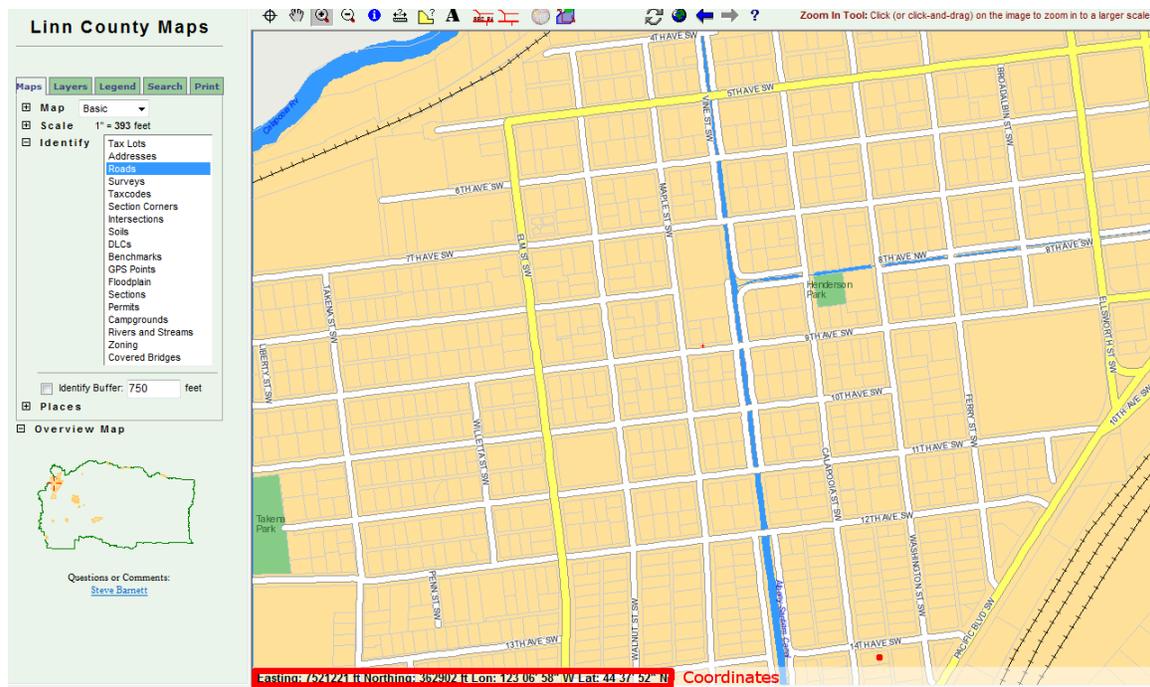


Figure 22: Map Coordinates

Tools and Buttons Frame

The **Tools and Buttons** are used to navigate around the map frame. It is setup with the tools on the left, buttons in the middle, and a space on the right for additional help text (see figure 23).



Figure 23: Tool Bar

Tools allow you to do things on the **Map Frame** with your mouse. You can select a tool by clicking its icon. Only one tool can be selected at any time. Depending on which tool is selected, you can click and/or click-and-drag (draw a box) on the map to perform the tool's action. Refer to the tool descriptions in table 1 below.

	Re-Center Tool : Click somewhere on the map and it will move so that your point becomes the center of the map.
	Pan Tool : Click-and-drag to move the map in any direction.
	Zoom In Tool : Either click or click-and-drag on the map to zoom in closer. A single click will re-center the map around the clicked point and increase the scale. Click-and-drag (drawing a box) will recenter and zoom in to the area represented by the box.
	Zoom Out Tool : Either click or click-and-drag on the map to zoom out from the map. A single click will re-center the map around the clicked point and decrease the scale. Click-and-drag (drawing a box) will cause the current map to be scaled down and recentered based on the boxes coordinates.

	Identify Tool : Either click or click-and-drag on the map to identify (get more information about) the features of the selected layer. Use the Identify option in the menu frame to select the layer that you want to get information about. A single click will return all features that the point touches. Click-and-drag to draw a box that will return all features that it touches. The results of the identify action will be displayed in the Table Frame .
	Measure Tool : Click-and-drag on the map to make a line. As you drag, the length of the line will be displayed in the status bar on the bottom of the window.
	Area Tool : The area tools lets you determine the area of the polygon you are interested in. The area tool works exactly the same as the measure tool. When you are ready to complete the polygon double click the mouse. The tools will complete the polygon by drawing a straight line to starting point. The results are displayed in the measurement frame. (See measurements section for additional information.)
	Label Tool : The label tool allows you to label selected GIS layers with data associated with the GIS themes, bu not built into Ella. (see appendix E for instructions).
	Road Label Tool : This button turns road names on.
	Road Label Off Tool : This button turns road names off.
	Coordinate Tool : Adds the coordinate for any location on the map when you click on the map. The popup can be removed by clicking on the X in its upper left corner.
	Mylar Tool : Allows the user to add custom points, lines and polygons and annotation to the maps. This tool adds a mylar management section to the map tab. (See Appendix F for instructions).

Table 1: Tools

Buttons allow you to do things with just a click. They are described in table 2 below.

	Re-Draw Button : Click to redraw the map. You'll want to do this after making changes to the Legend , resizing the browser window, moving the frame borders, etc.
	Extent Button : Click to zoom to the full extent (County Wide View) of the map.
	Go To Previous Extent : Click on the button to go to your previous map extent. (You can go back 5 extents).
	Go to Next Extent : Click on the button to go forward to a map extent that you originally visited after the one you have gone back to. (This tool is only available if you have already used to Go To Previous Extent Tool).

	Print Button: Click to go to a printer-friendly page. By default it chooses a Portrait layout (11 high by 8.5 wide). To get another layout use the Print Menu .
	Help Button: Takes you to online help section.

Table 2: Buttons

Map Frame

The Map Frame contains the map image. Refer to the **Layer tab** section of the document to learn how to add and remove the various GIS layers. It is on the map frame that you apply a tool after selecting it in the **Tools and Buttons** frame. For example, to zoom in you would first select the **Zoom in Tool** from the **Tools and Buttons** frame, and then you click on the map to zoom in.

Measurement Frame

The Measurement Frame displays the final results of the **Measurement** and the **Area** tools (see figure 23). Each of these tools places results on the map screen as well as in the Measurement Frame. Clicking the X located in the top corner of the Measurement frame closes the Measurement Frame and removes the measurements from the Map Frame.

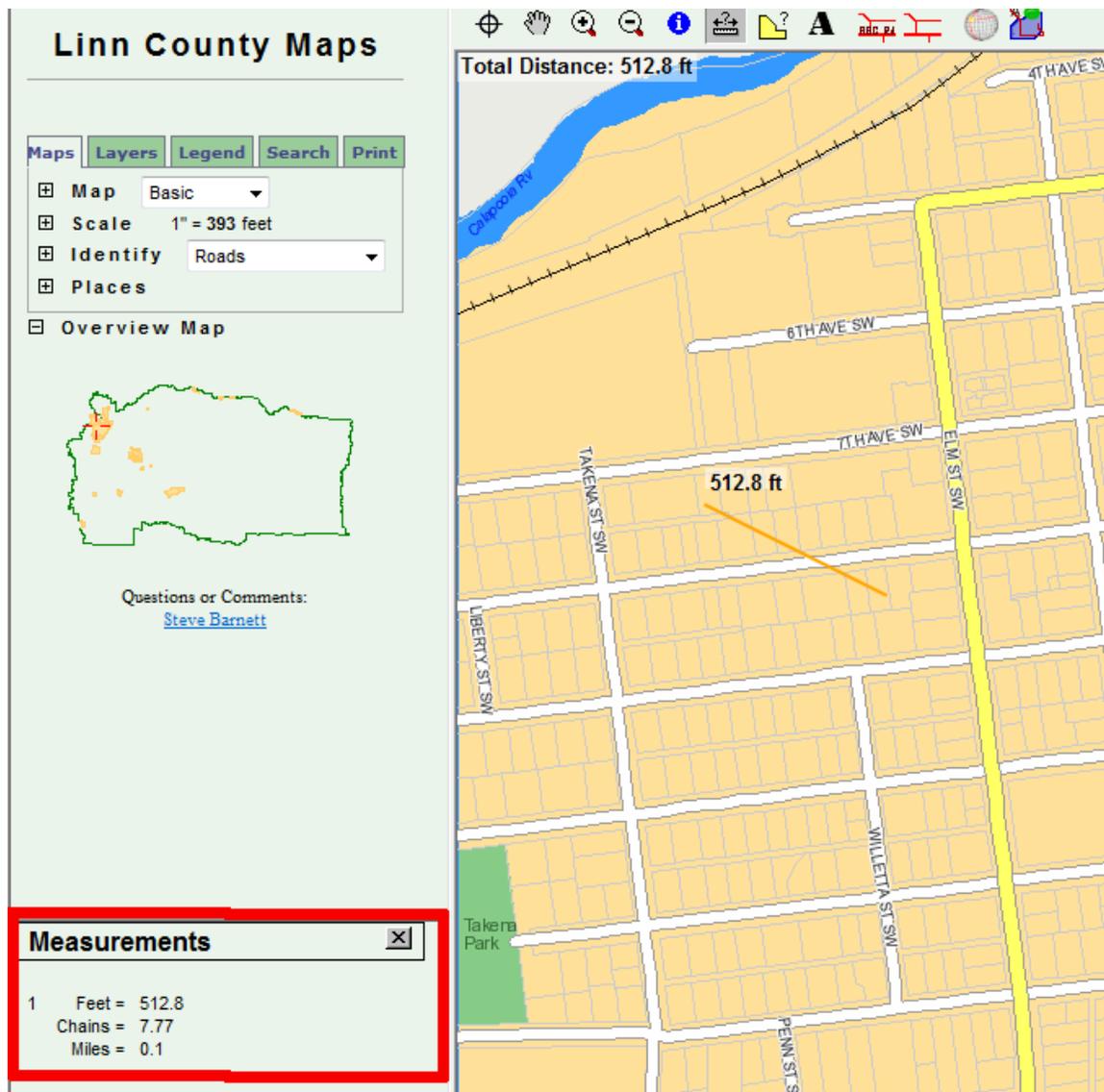


Figure 23: Measurement Frame

Query Results Frame

The Query Results Frame displays the results of a query. The results are in the form of a table of records. You can scroll through the table and select individual records. The selected record, or row, has a different background color. The contents of the selected record are reproduced in the **Search Results** menu. Be sure to check there because often there is more detailed information in the menu. Above the results table is a button bar (see figure 24). These buttons allow you to manipulate the display of the query results and navigate the table. On the map, the result features that correspond to the result records, such as road lines or property outlines, are highlighted. The feature that corresponds to the selected record is highlighted in a different color. Refer to the tool descriptions in table 3 below.

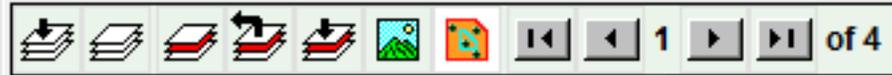


Figure 24: Results Table Button Bar

	Full Extent : Click to zoom/pan to the extent of all the query result features.
	Clear Selected : Click to clear any <i>selected feature</i> from the map display. This will make all the result features display the same way.
	Highlight Selected : Click to highlight the corresponding feature of the selected record. This does not change the position or the scale of the map; If the selected feature is not visible in the current map, this will not help. Use one of the next two buttons. Holding down on the shift key and pressing the button will toggle the button to the always on mode. To get it back to the default mode hold down the shift key and press the button again. If it is always on, any row selection in the results table will automatically highlight the corresponding feature.
	Highlight & Pan to Selected : Click to highlight and pan to the corresponding feature of the selected record. This does not change the scale of the map; The current scale may not allow for the display of the entire feature. Holding down on the shift key and pressing the button will toggle the button to the always on mode. To get it back to the default mode hold down the shift key and press the button again. If it is always on, any row selection in the results table will automatically highlight and pan to the corresponding feature.
	Highlight, Pan and Zoom to Selected : Click to highlight, pan and zoom to the corresponding feature of the selected record. This changes the position and scale of the map centering the map around the extent of the selected feature. Holding down on the shift key and pressing the button will toggle the button to the always on mode. To get it back to the default mode hold down the shift key and press the button again. If it is always on, any row selection in the results table will automatically highlight, pan and zoom to the corresponding feature.
	View Documents: This button launches a separate browser window showing the reports available for a property. All Properties have tax maps and soil reports available. Any property that has had a county permit or maintenance city permit issued since late August of 2008 has a permit report associated with it. See figure 25 for an example of the view document window. View Appendix D for example reports.
	Buffer tool: This tool allows you to select all of the tax lots are addresses within a specified distance of a selected tax lot or address point. Web Browsers limit the number of records that can be selected. This application is restricted by that browser limit. See figure 26 for an example of the buffer tool.
	First Record : Click to select the first record of the results table. If one of the highlight buttons is toggled on, this will trigger the corresponding

	event.
	Previous Record : Click to select the previous record of the results table. If one of the highlight buttons is toggled on, this will trigger the corresponding event.
	Next Record : Click to select the next record of the results table. If one of the highlight buttons is toggled on, this will trigger the corresponding event.
	Last Record : Click to select the last record of the results table. If one of the highlight buttons is toggled on, this will trigger the corresponding event.
	Close Results : Click to close the Query Results Frame and remove the result features from the map.

Table 3: Result Table Button Bar

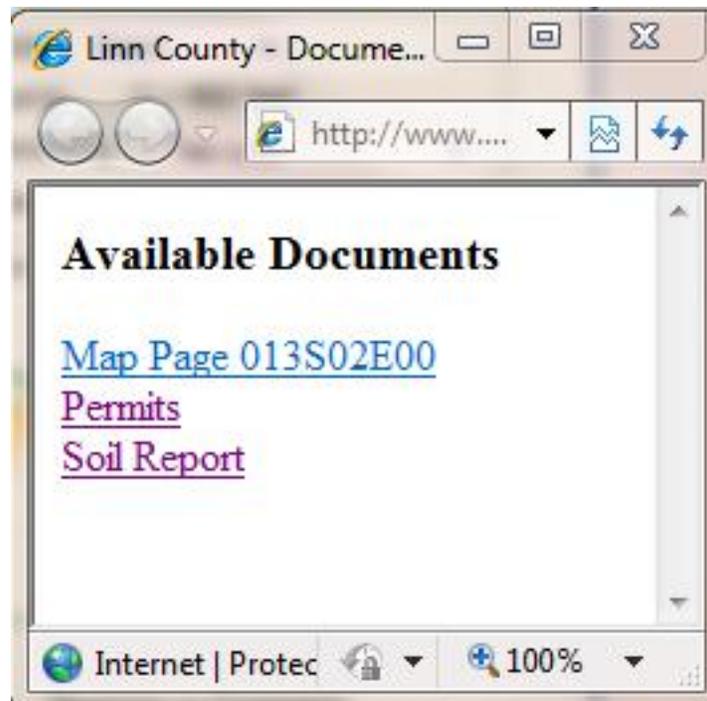


Figure 25: Documents window

Search Layer
Addresses ▼

Buffer Distance
 feet ▼

Select all addresses within feet of the selected taxlot.

OK Cancel

Figure 26: Buffer tool

Appendix A – Disclaimer



**DISCLAIMER
AND
LIMITATION OF LIABILITY**

Information on the Linn County Website is not guaranteed to be accurate and may contain errors and omissions. Linn County provides NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE FOR ANY INFORMATION. Original records may differ from computer entries. If reliance upon computer record is intended, verification of information on source documents by User is required. User expressly acknowledges and agrees that the use of any information appearing on the Linn County Website is at User's sole risk. Linn County shall not be liable for any direct, indirect, incidental, or consequential damages caused by mistakes, omissions, deletions, errors, or defects in any information, and shall not be liable for any failure or delays in receiving information.

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Appendix B – List of GIS layer in each map Basic (General Map)

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Linn County 2005 Aerial Photography: Color	1 Foot pixel color orthophotos taken July 2005, Western half of county
Linn County 2000 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos taken March/April 2000, Western half of county
Linn County 1996 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Sweet Home 1996 Aerial Photography: Black and White	Orthophotos taken in 1996. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Parks	City, County and State Parks in Linn County
Elevation Group	Elevation Information for Linn County
25 Foot Contours	25 foot contours of western Linn County.
5 Foot North Contours	5 foot contours for NW Linn County
5 Foot South Contours	5 foot contours for SW Linn County
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
Geology Group	Geology for Linn County
Soil Labels	Labels showing the soil number. Can be used to get information on the soil from the NRCS
Areas of Geologic Review	Areas that DOGAMI has identified as having a greater potential for unstable geology. Additional reviews required to get building permits in these areas.
Soils	Linn County Soils (provided by the NRCS)
Surveys	Recorded Survey location (provided by the Linn County Surveyors Office)
Flood Group	Floodplain information
100 year floodplain boundary	The 100 year flood boundary (provided by FEMA, adopted Sept 29th, 2010)
Flood Elevation	BFE (Base Flood Elevation - the computed elevation to which floodwater is anticipated to rise during a flood event, provided by FEMA)
Hydro Group	Linn County Hydrolic (water) themes
Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
All Water ways	All Linn County water ways (more detailed than Streams)
Tax Lot Group	Linn County Tax Lot Information

Tax Lots	Linn County Tax Lot Boundaries
Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels
Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
Addresses	Linn County Address Points
Address Labels	Linn County Address numbers
Zoning Group	Zoning information
County Zoning	Linn County zoning
County Zoning Labels	Labels for Linn County zoning
Albany Zoning	Albany city zoning (provided by Albany, check with the city for the most up to date data)
Albany Zoning Labels	Labels for Albany zoning
Brownsville Zoning	Brownsville zoning (check with the city for the most up to date data)
Brownsville Zoning Labels	Labels for Brownsville zoning
Gates Zoning	Gates zoning (check with the city for the most up to date data)
Gates Zoning Labels	Labels for Gates zoning
Halsey Zoning	Halsey zoning (check with the city for the most up to date data)
Halsey Zoning Labels	Labels for Halsey zoning
Harrisburg Zoning	Harrisburg zoning (check with the city for the most up to date data)
Harrisburg Zoning Labels	Labels for Harrisburg zoning
Lyons Zoning	Lyons zoning (check with the city for the most up to date data)
Lyons Zoning Labels	Labels for Lyons zoning
Mill City Zoning	Mill City zoning (check with the city for the most up to date data)
Mill City Zoning Labels	Labels for Mill City zoning
Millersburg Zoning	Millersburg zoning (check with the city for the most up to date data)
Millersburg Zoning Labels	Labels for Millersburg zoning
Scio Zoning	Scio zoning (check with the city for the most up to date data)
Scio Zoning Labels	Labels for Scio zoning
Sodaville Zoning	Sodaville zoning (check with the city for the most up to date data)
Sodaville Zoning Labels	Labels for Sodaville zoning
Sweet Home Zoning	Sweet Home zoning (check with the city for the most up to date data)
Sweet Home Zoning Labels	Labels for Sweet Home zoning
Tangent Zoning	Tangent zoning (check with the city for the most up to date data)
Tangent Zoning Labels	Labels for Tangent zoning
Waterloo Zoning	Waterloo zoning (check with the city for the most up to date data)
Waterloo Zoning Labels	Labels for Waterloo zoning
Railway	Railroads in Linn County
Permits	Linn County Permits from late August 2008 on

Soils

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Linn County 2005 Aerial Photography: Color	1 Foot pixel color orthophotos taken July 2005, Western half of county
Linn County 2000 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos taken March/April 2000, Western half of county
Linn County 1996 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Sweet Home 1996 Aerial Photography: Black and White	Orthophotos taken in 1996. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Parks	City, County and State Parks in Linn County
Elevation Group	Elevation Information for Linn County
25 Foot Contours	25 foot contours of western Linn County.
5 Foot North Contours	5 foot contours for NW Linn County
5 Foot South Contours	5 foot contours for SW Linn County
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
Geology Group	Geology for Linn County
Soil Labels	Labels showing the soil number. Can be used to get information on the soil from the NRCS
Areas of Geologic Review	Areas that DOGAMI has identified as having a greater potential for unstable geology. Additional reviews required to get building permits in these areas.
Soils	Linn County Soils (provided by the NRCS)
Surveys	Recorded Survey location (provided by the Linn County Surveyors Office)
Flood Group	Floodplain information
100 year floodplain boundary	The 100 year flood boundary (provided by FEMA, adopted Sept 29th, 2010)
Flood Elevation	BFE (Base Flood Elevation - the computed elevation to which floodwater is anticipated to rise during a flood event, provided by FEMA)
Hydro Group	Linn County Hydrolic (water) themes
Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
All Water ways	All Linn County water ways (more detailed than Streams)
Tax Lot Group	Linn County Tax Lot Information
Tax Lots	Linn County Tax Lot Boundaries

Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels
Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
Addresses	Linn County Address Points
Address Labels	Linn County Address numbers
Zoning Group	Zoning information
County Zoning	Linn County zoning
County Zoning Labels	Labels for Linn County zoning
Albany Zoning	Albany city zoning (provided by Albany, check with the city for the most up to date data)
Albany Zoning Labels	Labels for Albany zoning
Brownsville Zoning	Brownsville zoning (check with the city for the most up to date data)
Brownsville Zoning Labels	Labels for Brownsville zoning
Gates Zoning	Gates zoning (check with the city for the most up to date data)
Gates Zoning Labels	Labels for Gates zoning
Halsey Zoning	Halsey zoning (check with the city for the most up to date data)
Halsey Zoning Labels	Labels for Halsey zoning
Harrisburg Zoning	Harrisburg zoning (check with the city for the most up to date data)
Harrisburg Zoning Labels	Labels for Harrisburg zoning
Lyons Zoning	Lyons zoning (check with the city for the most up to date data)
Lyons Zoning Labels	Labels for Lyons zoning
Mill City Zoning	Mill City zoning (check with the city for the most up to date data)
Mill City Zoning Labels	Labels for Mill City zoning
Millersburg Zoning	Millersburg zoning (check with the city for the most up to date data)
Millersburg Zoning Labels	Labels for Millersburg zoning
Scio Zoning	Scio zoning (check with the city for the most up to date data)
Scio Zoning Labels	Labels for Scio zoning
Sodaville Zoning	Sodaville zoning (check with the city for the most up to date data)
Sodaville Zoning Labels	Labels for Sodaville zoning
Sweet Home Zoning	Sweet Home zoning (check with the city for the most up to date data)
Sweet Home Zoning Labels	Labels for Sweet Home zoning
Tangent Zoning	Tangent zoning (check with the city for the most up to date data)
Tangent Zoning Labels	Labels for Tangent zoning
Waterloo Zoning	Waterloo zoning (check with the city for the most up to date data)
Waterloo Zoning Labels	Labels for Waterloo zoning
Railway	Railroads in Linn County
Permits	Linn County Permits from late August 2008 on

Zoning

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Linn County 2005 Aerial Photography: Color	1 Foot pixel color orthophotos taken July 2005, Western half of county
Linn County 2000 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos taken March/April 2000, Western half of county
Linn County 1996 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Sweet Home 1996 Aerial Photography: Black and White	Orthophotos taken in 1996. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Parks	City, County and State Parks in Linn County
Elevation Group	Elevation Information for Linn County
25 Foot Contours	25 foot contours of western Linn County.
5 Foot North Contours	5 foot contours for NW Linn County
5 Foot South Contours	5 foot contours for SW Linn County
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
Geology Group	Geology for Linn County
Soil Labels	Labels showing the soil number. Can be used to get information on the soil from the NRCS
Areas of Geologic Review	Areas that DOGAMI has identified as having a greater potential for unstable geology. Additional reviews required to get building permits in these areas.
Soils	Linn County Soils (provided by the NRCS)
Surveys	Recorded Survey location (provided by the Linn County Surveyors Office)
Flood Group	Floodplain information
100 year floodplain boundary	The 100 year flood boundary (provided by FEMA, adopted Sept 29th, 2010)
Flood Elevation	BFE (Base Flood Elevation - the computed elevation to which floodwater is anticipated to rise during a flood event, provided by FEMA)
Hydro Group	Linn County Hydrolic (water) themes
Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
All Water ways	All Linn County water ways (more detailed than Streams)
Tax Lot Group	Linn County Tax Lot Information
Tax Lots	Linn County Tax Lot Boundaries

Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels
Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
Addresses	Linn County Address Points
Address Labels	Linn County Address numbers
Zoning Group	Zoning information
County Zoning	Linn County zoning
County Zoning Labels	Labels for Linn County zoning
Albany Zoning	Albany city zoning (provided by Albany, check with the city for the most up to date data)
Albany Zoning Labels	Labels for Albany zoning
Brownsville Zoning	Brownsville zoning (check with the city for the most up to date data)
Brownsville Zoning Labels	Labels for Brownsville zoning
Gates Zoning	Gates zoning (check with the city for the most up to date data)
Gates Zoning Labels	Labels for Gates zoning
Halsey Zoning	Halsey zoning (check with the city for the most up to date data)
Halsey Zoning Labels	Labels for Halsey zoning
Harrisburg Zoning	Harrisburg zoning (check with the city for the most up to date data)
Harrisburg Zoning Labels	Labels for Harrisburg zoning
Lyons Zoning	Lyons zoning (check with the city for the most up to date data)
Lyons Zoning Labels	Labels for Lyons zoning
Mill City Zoning	Mill City zoning (check with the city for the most up to date data)
Mill City Zoning Labels	Labels for Mill City zoning
Millersburg Zoning	Millersburg zoning (check with the city for the most up to date data)
Millersburg Zoning Labels	Labels for Millersburg zoning
Scio Zoning	Scio zoning (check with the city for the most up to date data)
Scio Zoning Labels	Labels for Scio zoning
Sodaville Zoning	Sodaville zoning (check with the city for the most up to date data)
Sodaville Zoning Labels	Labels for Sodaville zoning
Sweet Home Zoning	Sweet Home zoning (check with the city for the most up to date data)
Sweet Home Zoning Labels	Labels for Sweet Home zoning
Tangent Zoning	Tangent zoning (check with the city for the most up to date data)
Tangent Zoning Labels	Labels for Tangent zoning
Waterloo Zoning	Waterloo zoning (check with the city for the most up to date data)
Waterloo Zoning Labels	Labels for Waterloo zoning
Railway	Railroads in Linn County
Permits	Linn County Permits from late August 2008 on

Floodplain

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Linn County 2005 Aerial Photography: Color	1 Foot pixel color orthophotos taken July 2005, Western half of county
Linn County 2000 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos taken March/April 2000, Western half of county
Linn County 1996 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Sweet Home 1996 Aerial Photography: Black and White	Orthophotos taken in 1996. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Parks	City, County and State Parks in Linn County
Elevation Group	Elevation Information for Linn County
25 Foot Contours	25 foot contours of western Linn County.
5 Foot North Contours	5 foot contours for NW Linn County
5 Foot South Contours	5 foot contours for SW Linn County
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
Geology Group	Geology for Linn County
Soil Labels	Labels showing the soil number. Can be used to get information on the soil from the NRCS
Areas of Geologic Review	Areas that DOGAMI has identified as having a greater potential for unstable geology. Additional reviews required to get building permits in these areas.
Soils	Linn County Soils (provided by the NRCS)
Surveys	Recorded Survey location (provided by the Linn County Surveyors Office)
Flood Group	Floodplain information
100 year floodplain boundary	The 100 year flood boundary (provided by FEMA, adopted Sept 29th, 2010)
Flood Elevation	BFE (Base Flood Elevation - the computed elevation to which floodwater is anticipated to rise during a flood event, provided by FEMA)
Hydro Group	Linn County Hydrolic (water) themes
Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
All Water ways	All Linn County water ways (more detailed than Streams)
Tax Lot Group	Linn County Tax Lot Information
Tax Lots	Linn County Tax Lot Boundaries

Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels
Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
Addresses	Linn County Address Points
Address Labels	Linn County Address numbers
Zoning Group	Zoning information
County Zoning	Linn County zoning
County Zoning Labels	Labels for Linn County zoning
Albany Zoning	Albany city zoning (provided by Albany, check with the city for the most up to date data)
Albany Zoning Labels	Labels for Albany zoning
Brownsville Zoning	Brownsville zoning (check with the city for the most up to date data)
Brownsville Zoning Labels	Labels for Brownsville zoning
Gates Zoning	Gates zoning (check with the city for the most up to date data)
Gates Zoning Labels	Labels for Gates zoning
Halsey Zoning	Halsey zoning (check with the city for the most up to date data)
Halsey Zoning Labels	Labels for Halsey zoning
Harrisburg Zoning	Harrisburg zoning (check with the city for the most up to date data)
Harrisburg Zoning Labels	Labels for Harrisburg zoning
Lyons Zoning	Lyons zoning (check with the city for the most up to date data)
Lyons Zoning Labels	Labels for Lyons zoning
Mill City Zoning	Mill City zoning (check with the city for the most up to date data)
Mill City Zoning Labels	Labels for Mill City zoning
Millersburg Zoning	Millersburg zoning (check with the city for the most up to date data)
Millersburg Zoning Labels	Labels for Millersburg zoning
Scio Zoning	Scio zoning (check with the city for the most up to date data)
Scio Zoning Labels	Labels for Scio zoning
Sodaville Zoning	Sodaville zoning (check with the city for the most up to date data)
Sodaville Zoning Labels	Labels for Sodaville zoning
Sweet Home Zoning	Sweet Home zoning (check with the city for the most up to date data)
Sweet Home Zoning Labels	Labels for Sweet Home zoning
Tangent Zoning	Tangent zoning (check with the city for the most up to date data)
Tangent Zoning Labels	Labels for Tangent zoning
Waterloo Zoning	Waterloo zoning (check with the city for the most up to date data)
Waterloo Zoning Labels	Labels for Waterloo zoning
Railway	Railroads in Linn County
Permits	Linn County Permits from late August 2008 on

Surveys Group (Surveying)

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Survey Group	Survey Information
DLCs	Donation Land Claim locations (provided by the Linn County Surveyors Office)
GPS Points	GPS point locations (provided by the Linn County Surveyors Office)
Benchmarks	Benchmark locations (provided by the Linn County Surveyors Office)
Section Corners	Section Corner locations (provided by the Linn County Surveyors Office)
Surveys	Recorded Survey location (provided by the Linn County Surveyors Office)
Elevation Group	Elevation Information for Linn County
25 foot contours dissolved	25 foot contours for Linn County. Dissolved on elevation bands to create a continuous elevation contour
25 Foot Contours	25 foot contours of western Linn County.
25 foot labels	Labels for 25 foot contours
5 Foot North Contours	5 foot contours for NW Linn County
5 foot North Labels	Labels for 5 foot north contours
5 Foot South Contours	5 foot contours for SW Linn County
5 foot South Labels	Labels for 5 foot south contours
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
2 foot Labels	Labels for 2 foot contours
TRS Group	Township Range Section Group
Section Labels	Labels for sections
Sections	Linn County Sections
Township Labels	Labels for Townships
Townships	Linn County Townships
Tax Lot Group	Linn County Tax Lot Information
Tax Lots	Linn County Tax Lot Boundaries
Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels
Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County

Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
District Boundaries Group	Boundaries for ODF fire protection district
ODF Districts	Oregon Dept of Forestry Fire District Boundaries
ODF District Labels	Oregon Dept of Forestry District Boundary Labels

Planning

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Linn County 2005 Aerial Photography: Color	1 Foot pixel color orthophotos taken July 2005, Western half of county
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Sweet Home 1996 Aerial Photography: Black and White	Orthophotos taken in 1996. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Linn County 2000 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos taken March/April 2000, Western half of county
Linn County 1996 Aerial Photography: Black and White	1 Foot pixel Black and white orthophotos, Western half of county
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
County Boundary	Linn County Boundary
Urban Growth Boundary	Linn County Urban Growth Boundary
City Limits	City Limits of Linn County Cities
Elevation Group	Elevation Information for Linn County
25 foot contours dissolved	25 foot contours for Linn County. Dissolved on elevation bands to create a continuous elevation contour
25 Foot Contours	25 foot contours of western Linn County.
25 foot labels	Labels for 25 foot contours
5 Foot North Contours	5 foot contours for NW Linn County
5 foot North Labels	Labels for 5 foot north contours
5 Foot South Contours	5 foot contours for SW Linn County
5 foot South Labels	Labels for 5 foot south contours
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
2 foot Labels	Labels for 2 foot contours
Areas of Geologic Review	Areas that DOGAMI has identified as having a greater potential for unstable geology. Additional reviews required to get building permits in these areas.
Hydro Group	Linn County Hydrolic (water) themes
All Water ways	All Linn County water ways (more detailed than Streams)
Hydro Labels 1	Hydro annotation for close up viewing
Hydro Labels 2	Creek Annoation
Hydro Labels 3	Major stream Labels

Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
Tax Lot Group	Linn County Tax Lot Information
Map Pages	Tax map boundary and tax map number labels
Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Tax Lots	Linn County Tax Lot Boundaries
Flood Group	Floodplain information
100 year floodplain boundary	The 100 year flood boundary (provided by FEMA, adopted Sept 29th, 2010)
Roads Group	Linn County Road information
Roads	Linn County Roads
Intersections	Intersection points for Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Soils Group	Linn County Soils Information
Soil Labels	Labels showing the soil number. Can be used to get information on the soil from the NRCS
Soils	Linn County Soils (provided by the NRCS)
Wetland Lines from National Wetlands Inventory	Wetland lines (provided by the National Wetland Inventory)
Wetlands from National Wetlands Inventory	Wetland polygons (provided by the National Wetland Inventory)
Zoning Group	Zoning information
County Zoning	Linn County zoning
County Zoning Labels	Labels for Linn County zoning
Albany Zoning	Albany city zoning (provided by Albany, check with the city for the most up to date data)
Albany Zoning Labels	Labels for Albany zoning
Brownsville Zoning	Brownsville zoning (check with the city for the most up to date data)
Brownsville Zoning Labels	Labels for Brownsville zoning
Gates Zoning	Gates zoning (check with the city for the most up to date data)
Gates Zoning Labels	Labels for Gates zoning
Halsey Zoning	Halsey zoning (check with the city for the most up to date data)
Halsey Zoning Labels	Labels for Halsey zoning
Harrisburg Zoning	Harrisburg zoning (check with the city for the most up to date data)
Harrisburg Zoning Labels	Labels for Harrisburg zoning
Lyons Zoning	Lyons zoning (check with the city for the most up to date data)
Lyons Zoning Labels	Labels for Lyons zoning
Mill City Zoning	Mill City zoning (check with the city for the most up to date data)
Mill City Zoning Labels	Labels for Mill City zoning
Millersburg Zoning	Millersburg zoning (check with the city for the most up to date data)
Millersburg Zoning Labels	Labels for Millersburg zoning
Scio Zoning	Scio zoning (check with the city for the most up to date data)
Scio Zoning Labels	Labels for Scio zoning
Sodaville Zoning	Sodaville zoning (check with the city for the most up to date data)
Sodaville Zoning Labels	Labels for Sodaville zoning
Sweet Home Zoning	Sweet Home zoning (check with the city for the most up to date data)
Sweet Home Zoning Labels	Labels for Sweet Home zoning
Tangent Zoning	Tangent zoning (check with the city for the most up to date data)
Tangent Zoning Labels	Labels for Tangent zoning
Waterloo Zoning	Waterloo zoning (check with the city for the most up to date data)
Waterloo Zoning Labels	Labels for Waterloo zoning
Addresses	Linn County Address Points

Address Labels	Linn County Address numbers
District Boundaries Group	Boundaries for ODF fire protection district
ODF Districts	Oregon Dept of Forestry Fire District Boundarys
ODF District Labels	Oregon Dept of Forestry District Boundary Labels

Recreation

Linn County 2008 Aerial Photography: Color	1 Foot pixel color orthophotos taken August of 2008, Western half of county
Scio 2008 Aerial Photos: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Scio
Brownsville 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Brownsville
Mill City 2008 Aerial Photography: Color	6 inch pixel color orthophotos taken August 15th, 2008; city of Mill City
Albany 2010 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 6th, 2010. Provided by the city of Albany
Albany 2006 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken March 2006. Provided by the city of Albany
Albany 2002 Aerial Photography: Color	6 inch pixel color orthophotos of Albany/Millersburg taken in 2002. Provided by the city of Albany
Lebanon 2005 Aerial Photography: Color	3 inch pixel color orthophotos taken in March 2005. Provided by the city of Lebanon.
Sweet Home 2009 Aerial Photography: Color	6 inch pixel color orthophotos taken March 12th, 2009. Provided by the city of Sweet Home
Sweet Home 2006 Aerial Photography: Color	6 inch pixel color orthophotos taken in 2006. Provided by the city of Sweet Home
Federal 2005 Aerial Photography: Color	1/2 meter pixel county wide ortho photos taken in June/July 2005. Provided by the state of Oregon
Shaded Relief	Shaded Relief of Linn County
County Boundary	Linn County Boundary
City Limits	City Limits of Linn County Cities
Parks	City, County and State Parks in Linn County
Elevation Group	Elevation Information for Linn County
25 foot contours dissolved	25 foot contours for Linn County. Dissolved on elevation bands to create a continuous elevation contour
25 Foot Contours	25 foot contours of western Linn County.
25 foot labels	Labels for 25 foot contours
5 Foot North Contours	5 foot contours for NW Linn County
5 foot North Labels	Labels for 5 foot north contours
5 Foot South Contours	5 foot contours for SW Linn County
5 foot South Labels	Labels for 5 foot south contours
2 Foot Contours for select cities	2 foot contours Albany/Millersburg (provided by Albany), Brownsville (provided by Brownsville), Lebanon (provided by Lebanon), Sodaville and Sweet Home (provided by Sweet Home)
2 foot Labels	Labels for 2 foot contours
Covered Bridge Group	Covered Bridge Information
Covered Bridges	Covered Bridge Locations
Route Names	Road Names that make up the covered bridge tour routes
Covered Bridge Tour Route	Covered Bridge tour routes
Campgrounds	Public campground in Linn County
Hydro Group	Linn County Hydrolic (water) themes
Labels1	Stream labels
Lakes	Lakes in Linn County
Streams	Linn County Major Rivers/Streams
All Water ways	All Linn County water ways (more detailed than Streams)
Tax Lot Group	Linn County Tax Lot Information
Tax Lots	Linn County Tax Lot Boundarys
Tax Lot Labels	Labels for Linn County Tax lots. (Assessor Number)
Taxcodes	Linn County Taxcode boundaries
Map Numbers	Tax map boundary and tax map number labels

Roads Group	Linn County Road information
Roads	Linn County Roads
Major Roads	Major Roads in Linn County
Highways	State and Federal Highways in Linn County
Highway Labels	State and Federal Highway labels in Linn County
Road Names	Linn County Major Road Names
All Road Names	Linn County Road Names
Intersections	Intersection points for Linn County Roads
Addresses	Linn County Address Points
Address Labels	Linn County Address numbers
Railway	Railroads in Linn County

Appendix C – Search Examples

Tax Lots

Tax Lots

Assessor Number:

Township: ▼

Range: ▼

Section: ▼

1/4 Section: ▼

1/16 Section: ▼

MAPLOT:

Assessor Number Search

Tax Lots

Assessor Number:

Township: ▼

Range: ▼

Section: ▼

1/4 Section: ▼

1/16 Section: ▼

MAPLOT:

Tax Lot Search: Pick List/Map Lot Search

Addresses

Addresses

Number:

Street:

City:

Address Search

Roads

Roads

Road Name:

Road Number:

Road Search

Surveys

Surveys

Survey Number:

Surveys Search

Section Search

Section Corners

GCDB Number:

Section Corner Search

Intersections

Intersections

Road 1:

Road 2:

City:

Intersection Search

Benchmarks

Benchmarks

Township:

Range:

Section:

Benchmark Search

GPS Points

GPS Points

GPS Number:

GPS Point Search

Section

Sections

Township:

Range:

Section:

Section Search

Permits

Permits

Permit Number:

Permit Search

Covered Bridges

Covered Bridges

Name:

River:

Covered Bridge Search

Appendix D – Sample Reports

-----Permit Report-----

PIN#: 13S02E00 09400

Permit #: 08-0791
Date: 3/25/2009
Description: NSFD
Type: BLD_BC
Status: Final
Inspections:

Permit #: E08-1485
Date: 3/25/2009
Description: Wiring of hse/ranger residence (08-0791)
Type: BLD_Elec
Status: Approved
Inspections:

Permit #: E09-0860
Date: 3/15/2010
Description: 8-200 amp srvc, 2-400 amp srvc, 1-600 amp srvc, 40 circuits for Linn County Parks (09-0328)
Type: BLD_Elec
Status: Final
Inspections:

Permit Report

-----SOIL ANALYSIS REPORT (Parcel Based)-----

Name: LINN COUNTY
Address: PO BOX 100 ALBANY, OR 97321
PIN#: 13S02E00 09400
Assessor#: 265641

Series	Class	HV	Acres	Percent	CU	FT/AC	Name
1A	I	1	44.06	58.16	150		ABIQUA SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES
62F	VI	non	0.11	0.15	149		KLICKITAT-HARRINGTON COMPLEX, 30 TO 50 PERCENT SOUTH SLOPES
66B	II	1	8.2	10.82	150		MCALPIN SILTY CLAY LOAM, 3 TO 6 PERCENT SLOPES
92	IV	non	17.84	23.55	110		SIFTON VARIANT GRAVELLY LOAM
W	na	non	5.54	7.31	0		WATER
			<u>75.75</u>	<u>99.99%</u>			

Soil Report

Appendix E – Label Tool

Label Feature Tool

The Label Feature tool allows you to label Addresses, Waterways, Cities, and tax lots using a number of different data fields which are specific to each of the layers. To begin using this tool you need to click on its icon in the toolbar. This tool takes time to load. Your initial view will be a loading window (see figure 27). You need to wait until the label control box (see figure 28) is up to use the application. **Note: This tool has to read a number of different data elements. This causes some latency issues with it. Make sure it is done with one function prior starting the next.**

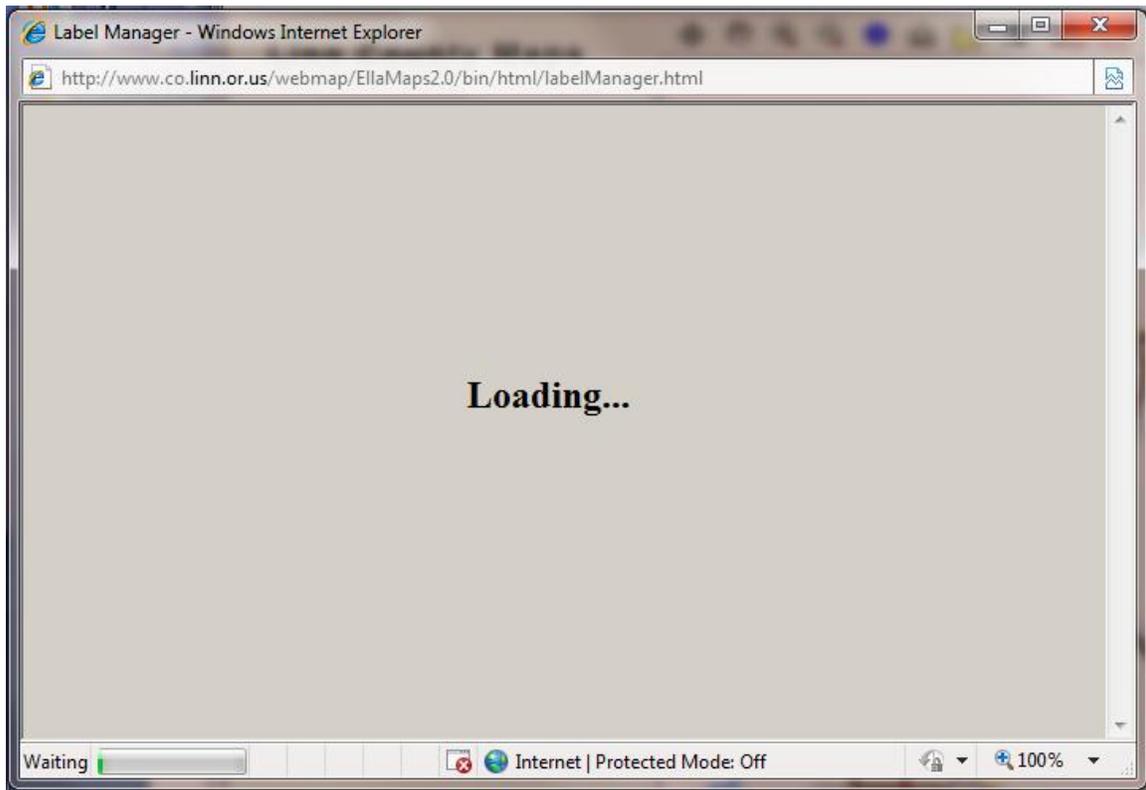


Figure 28: Label tool loading

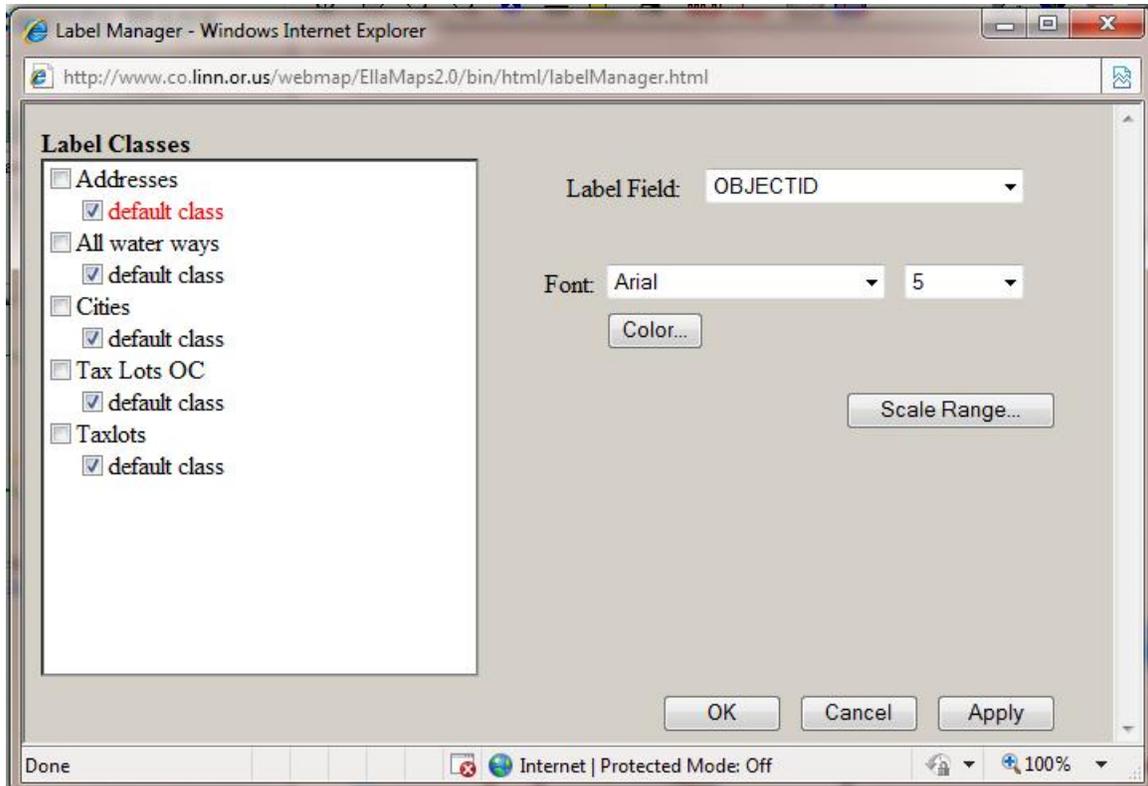


Figure 28: Label Control Box

To select the theme you want to label, click on its name in the Label Control box (see figure 29). This will automatically change the label field to that theme. The “**default class**” class label for the currently selected theme will be red. All the other “**default class**” labels will be black. For the labeling to work you will need to click in the box next to the Theme Name of the GIS theme you want to label.

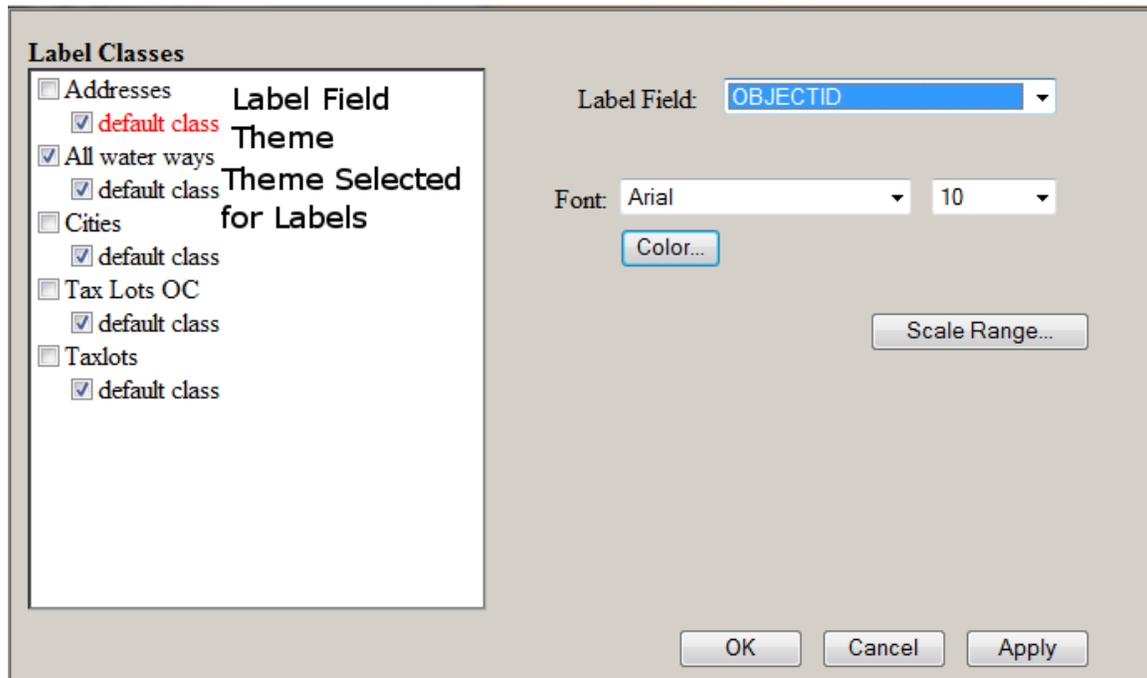


Figure 29: Label Class Window

In figure 29 the fields you can select from will come from the address theme (default class is red), but they will not draw because the All water ways theme is the only one with a check next to it. For the labels you select in the label field pull down box to show up on the map you will need to click on the box next to the Addresses theme. You can have more than one theme selected to draw at a time. Once you have selected a theme to label, you can select the field you want to label your map with by clicking on the down arrow next to the Label Field option and clicking on the field you want to use (see figure 30).



Figure 30: Label Field Selection

You can press either the **Apply** or the **OK** button to label the map. If you decide you want to get out of the Label Control Box without labeling press the **Cancel** button. It might take several seconds for any of these options to work. When it is complete the **Apply** button will leave the Label Control box open, while the **OK**

button will close the Label Control Box. If no labels appear get back into the Label control box. Make sure you clicked in the box next to the theme name you want to label.

To remove labels from a map go back into the Label Control Box, uncheck the theme you are currently labeling and press the **OK** button.

Besides being able to label the theme with any field you want you can also set a number of controls that will change the appearance of the labels. These options include picking the Font type (see figure 31 number 1), font size selection (see figure 31 number 2), font color (see figure 31 number 3) and the scale range the labels are visible at (see figure 31 number 4). The font type is based on the fonts (writing types) available on your computer. It and the font size can be picked from a pick list by clicking on the arrow located on the right edge of their boxes.

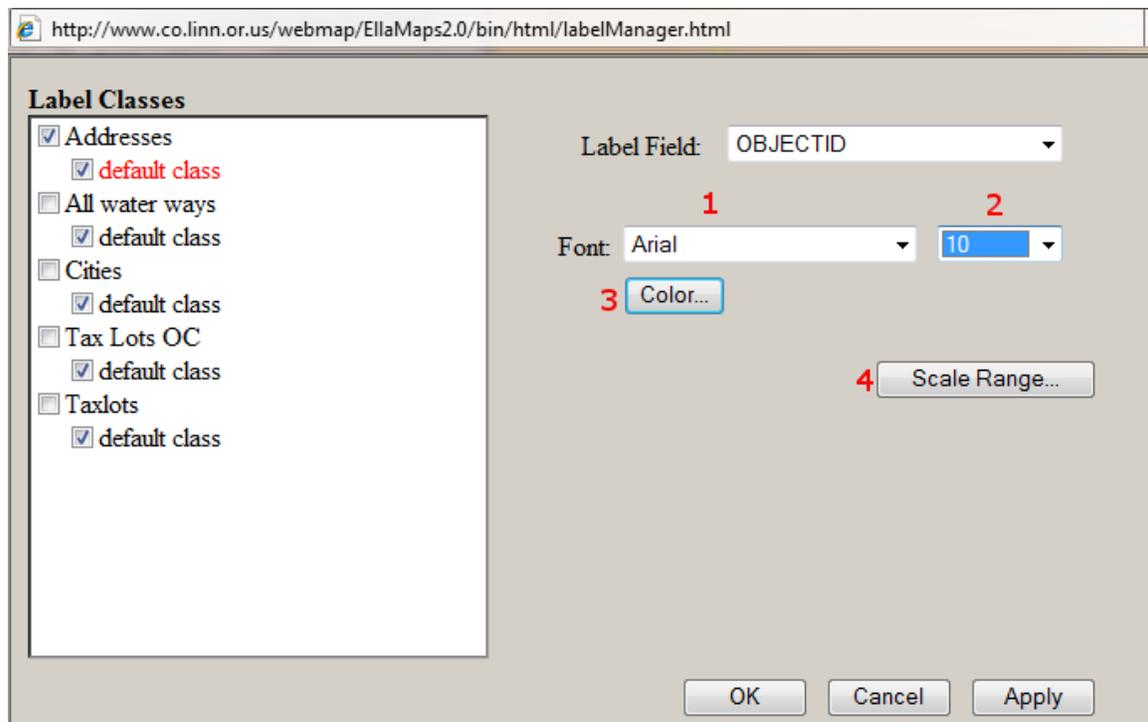


Figure 31: Label Controls

The color button launches a separate window where you can input and Red, Green and Blue color values (see figure 32). These values must each be between 0 and 255. The combination of the values you select will create your final color. The closer to 0 the number is the closer the whiter the color is. The closer you get to 255 the darker the color will get. You can experiment with different values to get the colors you want.

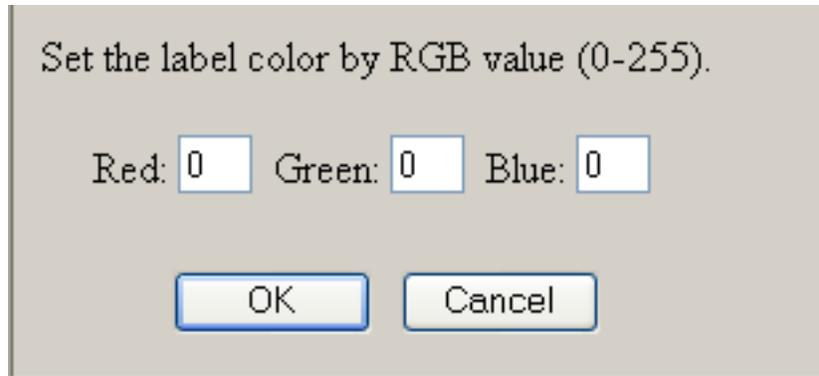


Figure 32: Label Color Controls

The Label Scale Range will let you choose which scales (zoom levels) that the labels will be visible at. By default they are visible at all scales, but you can set them so they will only display on your map between certain predefined scales.

Appendix F – Mylar Tool

The Mylar tool works like putting a transparency over the map. You can add points, lines, polygons and text on to the map. This tool pushes the edge of what can be done with GIS over the web and can be buggy particularly the annotation (text) portion of the application. Pressing the mylar button adds another section to the map tab (see figure 33).

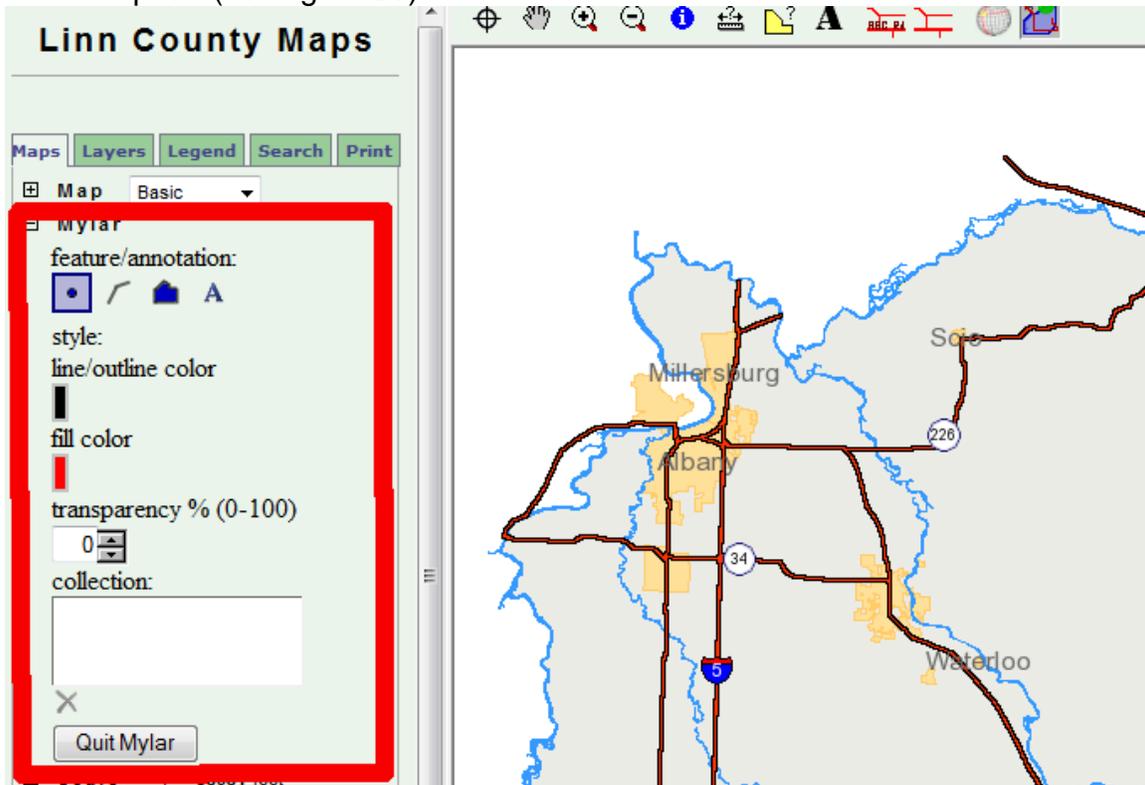


Figure 33: Mylar Tool

Simply click on the point, line, polygon or annotation (text) symbol to determine which type to use. Prior to drawing them on the map you can use the style features to change the color and transparency. Transparency simply refers to how much of the background can be seen through the feature/annotation (text). By default it is 0% which means nothing can be seen through it. At 100% transparency the background map would be visible and the feature/annotation (text) would not be. The outline color refers to the outline of the point and polygon. The line and annotation item color is also controlled by the outline color. The fill color makes up the center of the point and all but the outer edge of the polygon feature. To select a different color just click on the default color and pick a color from the list that comes up (see figure 34).

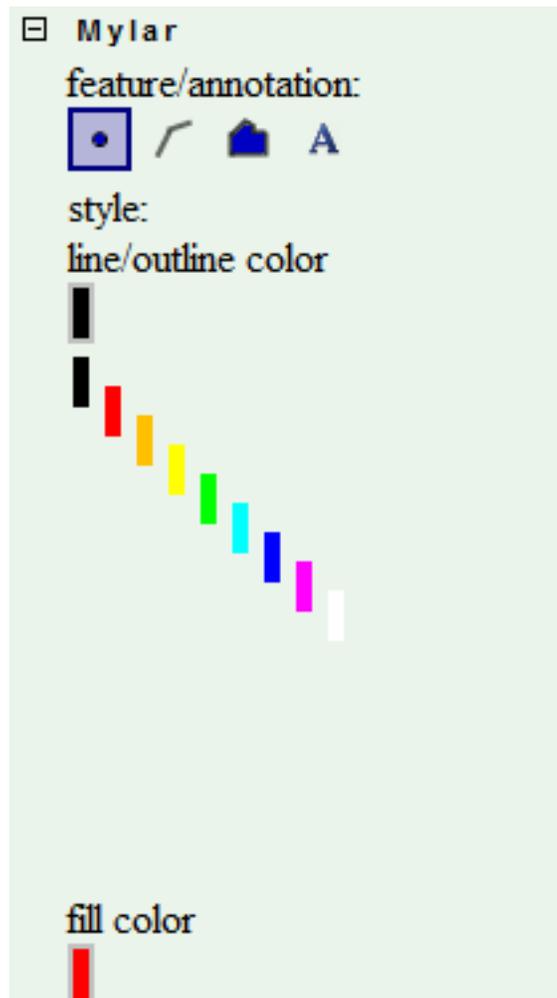


Figure 34: Color Selection

Each time you draw a feature it is saved as a collection (see figure 35). These individual collections can be removed by selecting the collection name and clicking on the delete icon below it (see figure 36)

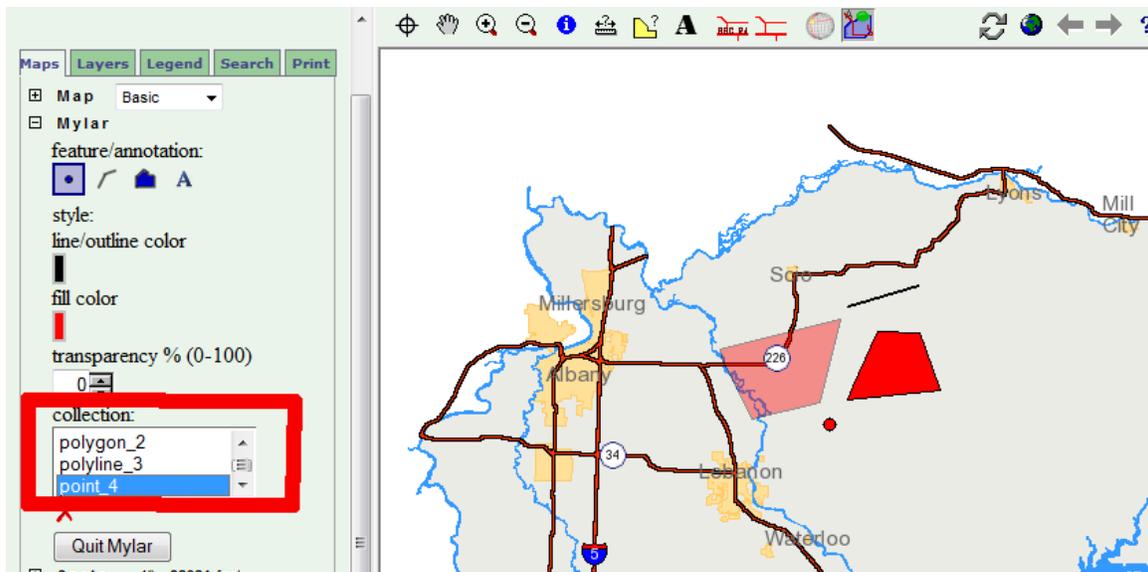


Figure 35: Mylar Collections



Figure 36: Mylar Collection Deletion Icon

To quit the mylar tool simply hit the quit mylar button.