

Attachment B

Instructions for Using the Web Viewer Tool for the VTD/BBSP Verification



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I. INTRODUCTION

During the verification phase of the Voting District/Block Boundary Suggestion Project (VTD/BBSP) participants may verify their data using the Web Viewer tool. The Web Viewer tool allows participating states to review the VTD/BBSP submission in a Web-based environment without the need of installing additional software. Participants may access the Web Viewer using a Web browser.

The Web Viewer tool does not support an edit function. Any corrections to the Census Bureau's data required as a result of the verification review must be conducted using the MAF/TIGER Partnership Software (MTPS). See *Attachment C: Instructions for Using the MTPS for Verifying the VTD/BBSP Submission* for detailed instructions.

Note that minor or small corrections resulting from the verification of the VTD/BBSP submission using the Web Viewer tool can be discussed with the respective Regional Census Center (RCC) to enter the correction. (See *Attachment A: RCC Geographic Staff Contact Information* for contact information.) An example of a correction that can be communicated for the RCC staff to fix is changing the VTD cover for a small face or two. Minor or small corrections can be conveyed to the RCC staff to preclude submitting a RDP "change" file using the MTPS.

II. ACCESS, LOGIN, AND SELECT COUNTY TO VERIFY

Follow these guidelines for accessing the tool and entering the correct login information.

A. Accessing the Web Viewer Tool

In order to access the Web Viewer tool, go to: <http://ecots1.geo.census.gov/mtpsmaps/>

The following screen appears.

U.S. Census Bureau Help

U.S. Census MTPS Program Viewer/Editor

If you are a **Program Participant**:
Log in to one of the Programs listed below and enter your participant ID, user name and password.

If you are a **Program Administrator**:
Log in as "Program Administrator" and enter your user name and password.

Log in as

BAS Program Participant (WebBAS editor)
BAS Program Participant (Viewer)
RDP Program Participant
PSAP Program Participant
SDRP Program Participant
Program Administrator

Participant ID

User Name

Password

If you have any questions, contact the U.S. Census Bureau by email or telephone at one of the following addresses:

Program	Email	Telephone
BAS	geo.bas@census.gov	1-800-972-5651
RDP	redistricting@census.gov	–
PSAP	geo.psap.list@census.gov	–
SDRP	school@geo.census.gov	–

The maps on this web site can be viewed with Internet Explorer version 6-8 and Firefox 3.
Firefox version 3.5 is not supported.
We recommend using the latest version of Internet Explorer.
This web site is optimized for a screen size 1024x768 pixels.

U.S. Census MAF/TIGER Partnership Software (MTPS) --- version 4.2009.06.15

Note: See the above screen for the location of the **Help** module included in the Web Viewer tool. Select **Help** for basic user guidance on the interface commands and views which are consistent with these guidelines.

B. Program Login

Login in as “RDP Program Participant”

See the letter that was sent with the verification materials from the Redistricting Data Office (RDO). The letter provides the following information:

- Participant ID
- User Name
- Password









C. Selecting the County (or County Equivalent) to Verify


After logging in as the RDP Program Participant (example for New Hampshire, ST:33), the Web Viewer returns a menu listing all counties in the selected state.

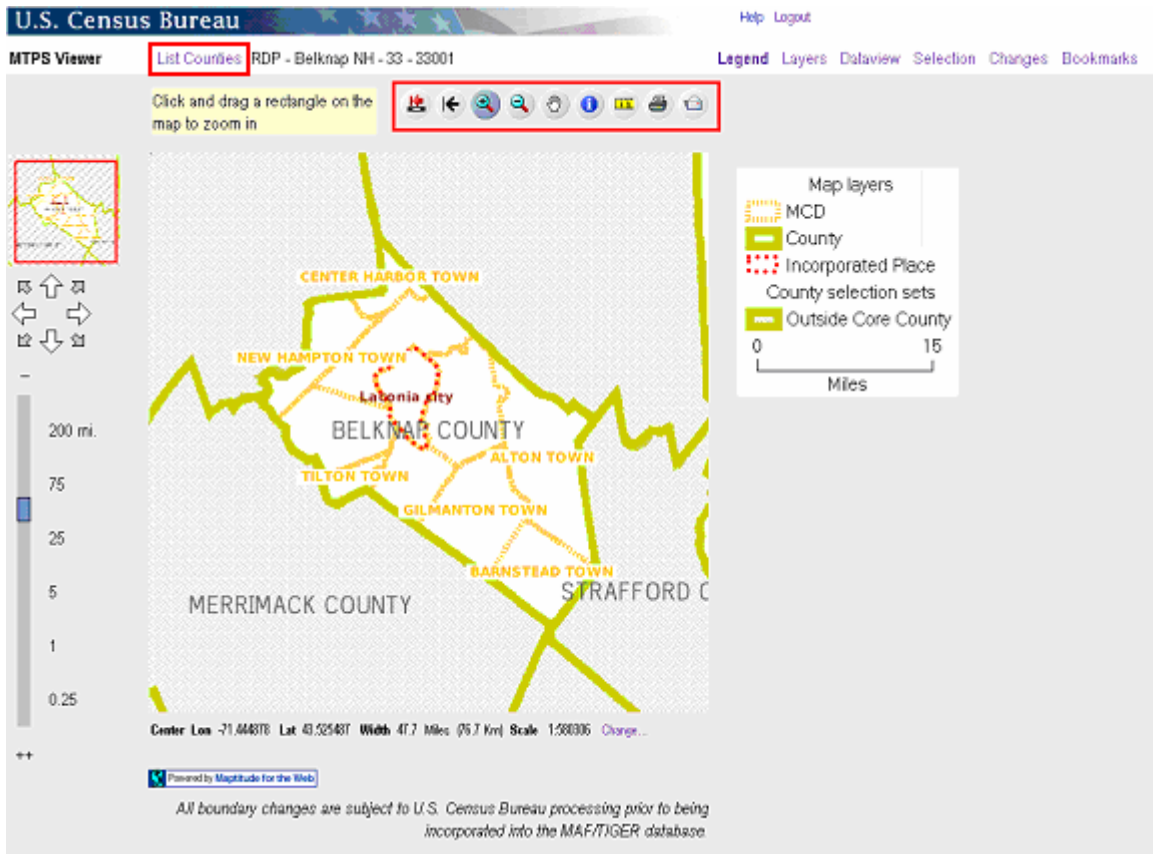
U.S. Census Bureau [Help](#) [Logout](#)

MTPS Viewer RDP - 33 - County List

Found 10 Counties for entity RDP 33

	Map	Program	Entity ID	Entity Name	Entity Code	Core County
	1	RDP	33	Belknap NH	33001	33001
	2	RDP	33	Carroll NH	33003	33003
	3	RDP	33	Cheshire NH	33005	33005
	4	RDP	33	Coos NH	33007	33007
	5	RDP	33	Grafton NH	33009	33009
	6	RDP	33	Hillsborough NH 33011	33011	33011
	7	RDP	33	Merrimack NH 33013	33013	33013
	8	RDP	33	Rockingham NH 33015	33015	33015
	9	RDP	33	Strafford NH 33017	33017	33017
	10	RDP	33	Sullivan NH 33019	33019	33019

Select  to identify which county (or county equivalent) will be reviewed. For example, select Belknap County, NH to begin the verification. The Web Viewer displays the selected county.












To select a different county, select List Counties (top/left) to return to that screen.

III. TOOLS

Use the Web Viewer toolbox for navigation, information and measurement as shown (outlined in red) in the graphic above.

A. Tool Symbols and Definitions

	Zoom to whole county	Click this icon to zoom out to the entire county
	Choose a previous zoom to display	Use this tool to choose one of the last 5 map displays and zoom to it
	Zoom in	Click or draw a rectangle to zoom into an area
	Zoom out	Click to zoom out of an area
	Drag	Click and drag the map to re-adjust the center
	Get info	Click a feature to get information on it Note: Use this tool with selection link
	Measure a distance	Use this tool to draw a line between features and click to display the distance. Draw a polygon to display area.
	Print map	Print the current map view
	Email map	Email the current map view

B. Specific Information for Selected Tools


1.  Click this tool to choose a previous map extent.

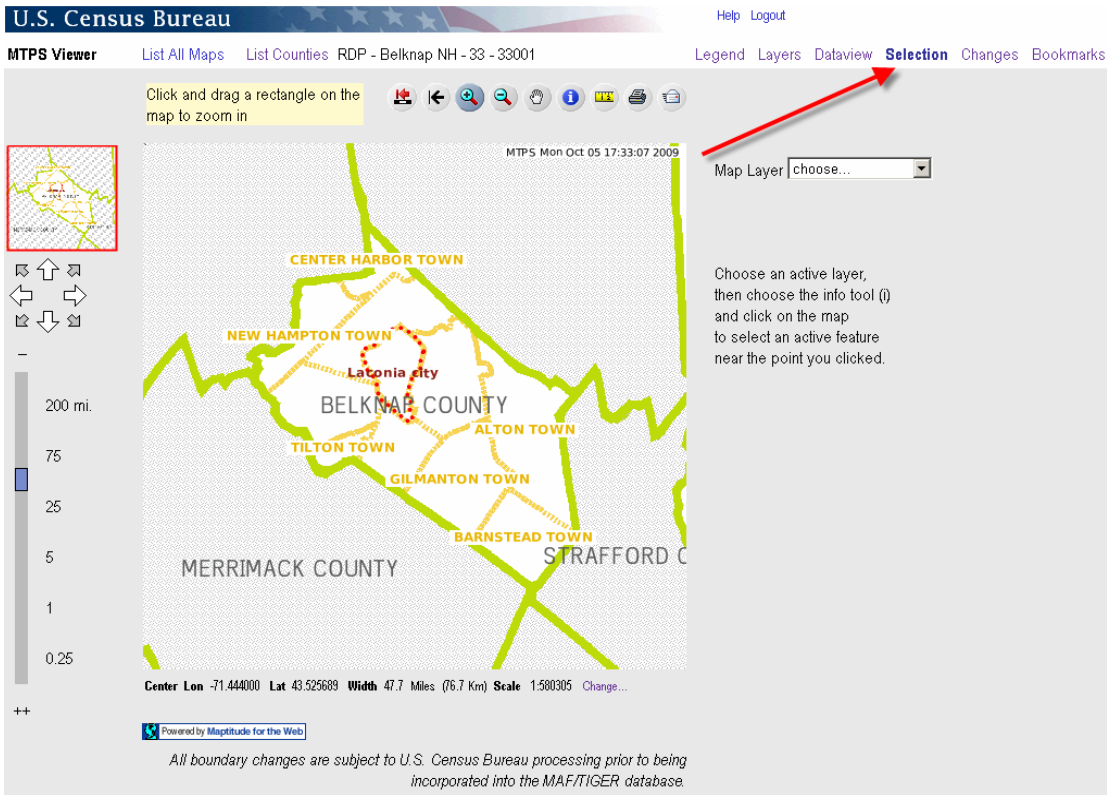
This tool displays your last (up to 5) map extents.



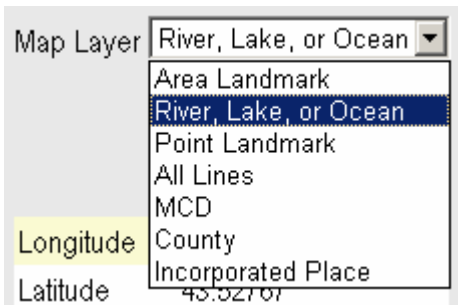
Click on the previous map extent to display.

2.  Click this tool to Get Info.

To use the information tool, click the  **Info** button. After clicking this button, the view will switch to the **Selection** link. (See the graphic on the following page.)



Once the **Selection** link is active, select the **Map Layer** for the **Info** that you want to review.



Note: In order for a **Map Layer** to display with the selection link active, the layer must be turned on in the **Layers** link. For example, in order to select a lake, the **River, Lake, or Ocean** layer must be turned on. To turn on a layer (and make it available to get information), click the **Layers** link and then click **Show Layer** and **Show Labels** for that layer. (See the graphic on the following page.) Click **“Redraw Map”** then select the appropriate **Map Layer** from the pull down menu above.

Layer Name	Show Layer	Show Labels	Layer Smallest Scale	Layer Largest Scale	Label Smallest Scale	Label Largest Scale
Area Landmark	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
River, Lake, or Ocean	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
Point Landmark	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:200,000	1:1	1:12,000	1:1
Census Block	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:50,000	1:1	1:25,000	1:1
Census Tract	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:500,000	1:1	1:250,000	1:1
All Lines	<input checked="" type="checkbox"/>		1:100,000	1:1	—	—
MCD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:3,000,000	1:1	1:3,000,000	1:1
Census Designated Place	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
County	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:15,000,000	1:1	1:15,000,000	1:1
Incorporated Place	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
VTD	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:250,000	1:1	1:250,000	1:1
SLD Lower	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
SLD Upper	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
Congressional District	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:10,000,000	1:1	1:500,000	1:1
Census Block Group	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:200,000	1:1	1:200,000	1:1
Block Area Group	<input type="checkbox"/>		1:10,000,000	1:1	—	—
VTD - P	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1:250,000	1:1	1:250,000	1:1

Views

Suffix:

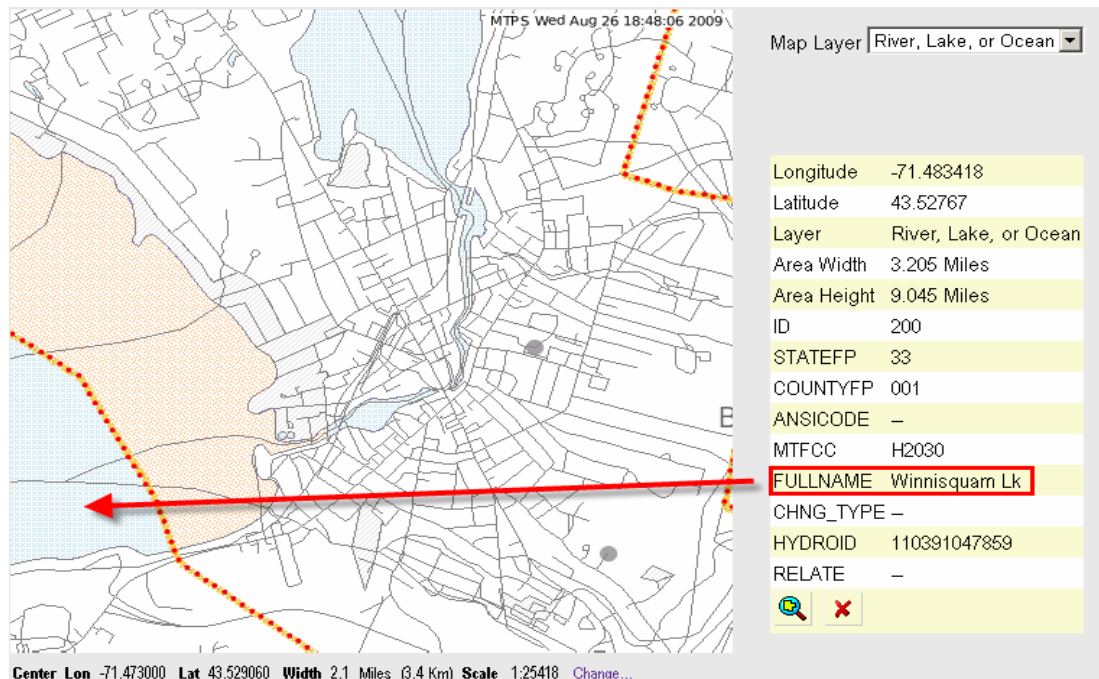
- P=Participant Change
- C=Census Proposed Boundaries
- F=Census Final TIGER

Current Map Scale: 1:123,786

[Upload Layer](#)

Click 'Upload layer' to add a shapefile to this map.

After choosing the appropriate map layer, select the feature by clicking on the feature on the map to get information. In this example, Winnisquam Lk (lake) was selected and is now displayed in the **FULLNAME** field along with other information for that feature.



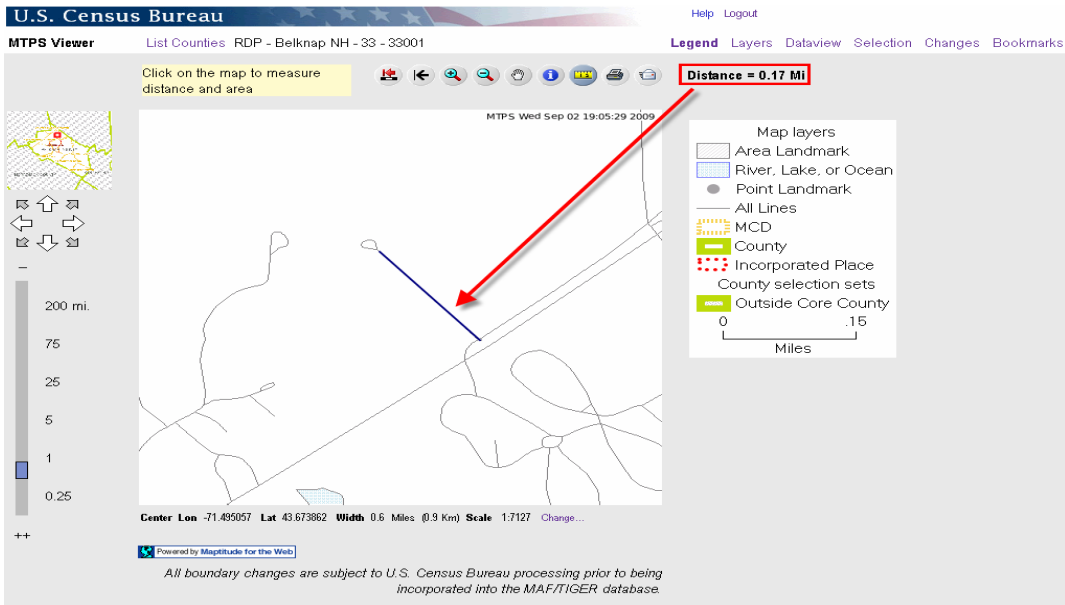
The screenshot shows a map interface with a map layer set to "River, Lake, or Ocean". A red dashed line outlines a polygon on the map, and a red arrow points from the "FULLNAME" field in the metadata panel to the corresponding feature on the map. The metadata panel displays the following information:

Longitude	-71.483418
Latitude	43.52767
Layer	River, Lake, or Ocean
Area Width	3.205 Miles
Area Height	9.045 Miles
ID	200
STATEFP	33
COUNTYFP	001
ANSICODE	-
MTFCC	H2030
FULLNAME	Winnisquam Lk
CHNG_TYPE	-
HYDROID	110391047859
RELATE	-

At the bottom of the map, the following coordinates and scale are displayed: Center Lon -71.473000 Lat 43.529060 Width 2.1 Miles (3.4 Km) Scale 1:25418 Change...

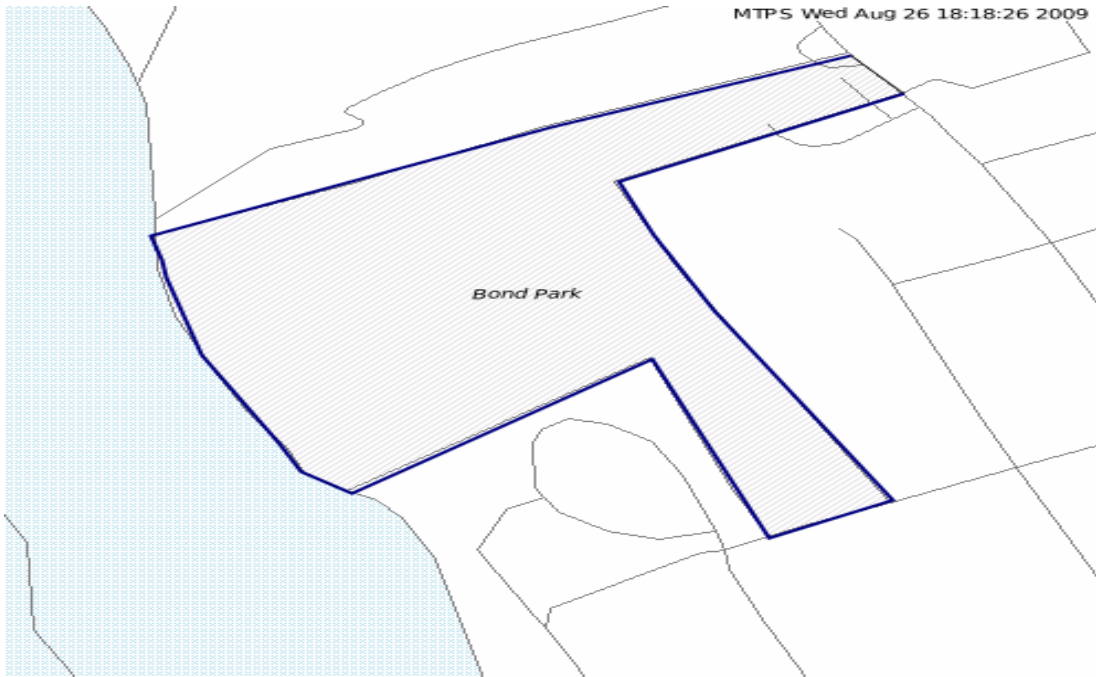
3. Click this tool to measure distance of a line or area.

In order to measure distance, draw a line between two features. To draw a line click on the starting point of the line and then click on the end point. It is not necessary to double click. The distance can only be shown in miles (Mi) and kilometers (Ki) and displays in the upper right corner of the screen (displayed in the graphic below).



Double-click to disengage a line measurement and measure any new line.

To measure an area (such as Bond Park in the following example), trace a polygon by clicking on each turn (point). Double click to close the polygon. The area displays in the right corner (displayed in the second graphic below).



U.S. Census Bureau Help Logout

MTPS Viewer List Counties RDP - Belknap NH - 33 - 33001 Legend Layers Dataview Selection Changes Bookmarks

Click on the map to measure distance and area

Distance = 1.23 Mi (1.97 Km)
Area = 0.0439 Mi² (0.1138 Km²)

Center Lon -71.473952 Lat 43.555453 Width 0.6 Miles (1.0 Km) Scale 1:7427 [Change...](#)

Powered by MapItitude for the Web

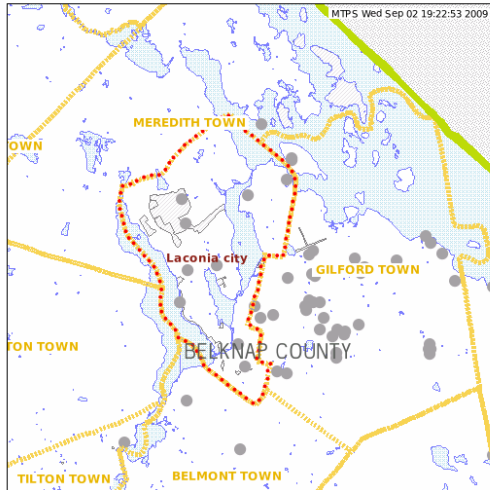
All boundary changes are subject to U.S. Census Bureau processing prior to being incorporated into the MAF/TIGER database.

4.  **Click this tool to print a map.**

To print a map, pan or zoom to the desired screen view. The print button prints the current screen view.

U.S. Census MTPS Web Site
 RDP - Belknap NH - 33 - 33001
 September 2, 2009, 7:25 pm

Map image size (pixels): 500



Map layers

- Area Landmark
- River, Lake, or Ocean
- Point Landmark
- MCD
- County
- Incorporated Place

County selection sets

- Outside Core County

0 3
Miles

Map Center: Lon -71.456000, Lat 43.571215 Width: 14.8 Miles (23.9 Km)

Active Map Layer: VTD

ID	chng_type	NAMELSAD	NEW_NAME	NAME	STATEFP00	COUNTYFP00	VTDST00	VTDI	LSAD	EFF_DATE	NEW_CODE
1		Voting Districts not defined		Voting Districts not defined	33	001	ZZZZZ	P	00		
2		LACONIA WARD 6		LACONIA WARD 6	33	001	LACO06	P	00		
3		LACONIA WARD 3		LACONIA WARD 3	33	001	LACO03	P	00		
4		LACONIA WARD 4		LACONIA WARD 4	33	001	LACO04	P	00		
5		LACONIA WARD 2		LACONIA WARD 2	33	001	LACO02	P	00		
6		LACONIA WARD 5		LACONIA WARD 5	33	001	LACO05	P	00		
7		LACONIA WARD 1		LACONIA WARD 1	33	001	LACO01	P	00		

Note: A table for the **Active Layer** (VTDs) is also included.

Note: Tip for printing maps

The **Map layer** legend automatically appears on the printed map. However, the legend only shows the features that are turned on in the **Layers** view.

In order to display the desired layers, turn on layers in the **Layers** view before selecting a map view to print.

5.  **Click this tool to email a map.**

The **Email** button captures the current map view just like the print button. It is therefore important for users to turn on or off the layers to display on the map. When the user clicks the **Email** button, the following screen prompts the user for email information. It is not possible to email more than one map at a time.

Email the map rdp - Belknap NH - 33 - 33001

To email address: geo.redistricting.list@census.gov

geo.redistricting.list@census.gov is your program administrator address.

CC:

Subject: rdp - Belknap NH - 33 - 33001

Your name:

Your email address:

Items in bold are required.

Comment:
Map of rdp - Belknap NH for your review.

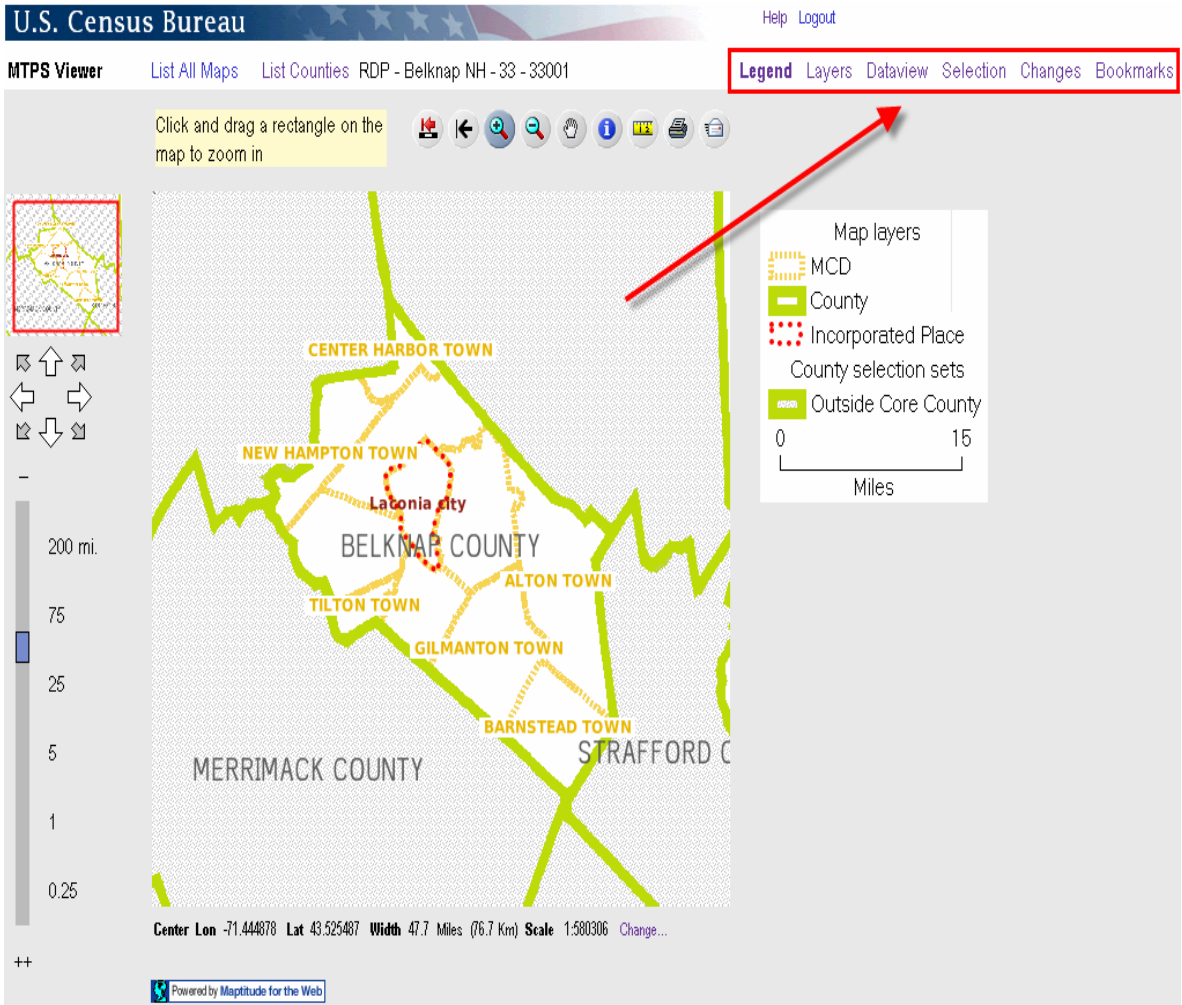
Send Email

Done Trusted sites

Be certain to provide relevant information in the comment text box. Communicate the specific reason for sending the map.

IV. LINKS

The **Links** settings are located on the top right-hand corner of the Web Viewer as displayed in the graphic below.



A. Legend

Click the **Legend** link to display the symbols for the map's layers and a graphic scale of the map.

Note: The **Legend** only contains features that are visible at the current scale. Some features are scale dependent and therefore will not display until the user zooms in further. See the **Layers** link for more information on the scale at which they can be viewed. See the **VTD** layer example for the viewable scale under **Layers Link** section below.

In the following map display, the **Legend** lists the **Map layers** relevant for the RDP verification.

U.S. Census Bureau Help Logout

MTPS Viewer List Counties RDP - Belknap NH - 33 - 33001 Legend Layers Dataview Selection Changes Bookmarks

Click and drag a rectangle on the map to zoom in

Center Lon -71.454862 Lat 43.575273 Width 5.4 Miles (8.7 Km) Scale 1:65568 Change...

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All boundary changes are subject to U.S. Census Bureau processing prior to being incorporated into the MAF/TIGER database.

Set these **Map layers** in the **Layers** link.

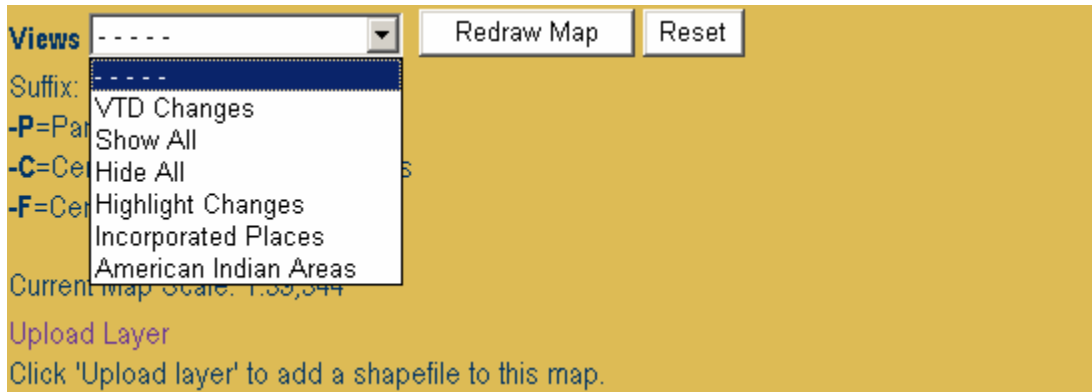
B. Layers

Use the **Layers** link to control the features to display and label. Turn layers on and off by checking and un-checking layer boxes.

Layer Name	Show Layer	Show Labels	Layer Smallest Scale	Layer Largest Scale	Label Smallest Scale	Label Largest Scale
Area Landmark	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
River, Lake, or Ocean	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
Point Landmark	<input type="checkbox"/>	<input type="checkbox"/>	1:200,000	1:1	1:12,000	1:1
Census Block	<input type="checkbox"/>	<input type="checkbox"/>	1:50,000	1:1	1:25,000	1:1
Census Tract	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:250,000	1:1
All Lines	<input checked="" type="checkbox"/>		1:100,000	1:1	—	—
MCD	<input type="checkbox"/>	<input type="checkbox"/>	1:3,000,000	1:1	1:3,000,000	1:1
Census Designated Place	<input type="checkbox"/>	<input type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
County	<input type="checkbox"/>	<input type="checkbox"/>	1:15,000,000	1:1	1:15,000,000	1:1
Incorporated Place	<input type="checkbox"/>	<input type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
VTD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:250,000	1:1	1:250,000	1:1
SLD Lower	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
SLD Upper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
Congressional District	<input type="checkbox"/>	<input type="checkbox"/>	1:10,000,000	1:1	1:500,000	1:1
Census Block Group	<input type="checkbox"/>	<input type="checkbox"/>	1:200,000	1:1	1:200,000	1:1
Block Area Group	<input type="checkbox"/>		1:10,000,000	1:1	—	—
VTD - P	<input type="checkbox"/>	<input type="checkbox"/>	1:250,000	1:1	1:250,000	1:1

1. Views

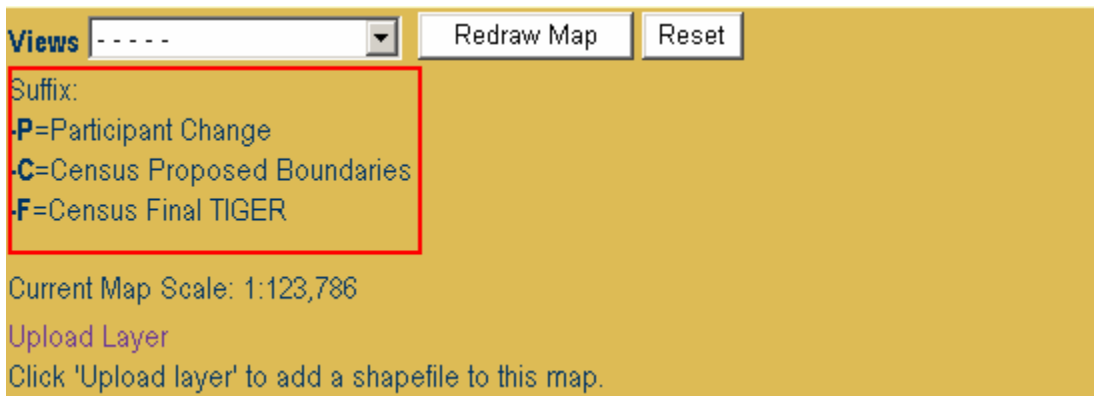
Use the **Views** menu at the bottom of the screen to display specific views.



Select **Views** for pre-set layer settings. See the following layer sets when selecting these **Views**:

- **VTD Changes:** **Show Layer & Show Labels** checked for **VTD** and **VTD-P** layers.
- **Show All:** **Show Layer & Show Labels** checked for **All** layers.
- **Hide All:** **Show Layer & Show Labels** not checked for **All** layers.
- **Highlight Changes:** **Show Layer & Show Labels** checked for **All Lines & VTD-P** layers.
- **Incorporated Places:** **Show Layer & Show Labels** checked for **All Lines, MCD, & Incorporated Place** layers.
- **American Indian Areas** view: N/A (**Show Layer & Show Labels** checked for All Lines.)

2. Suffix



Some names listed in the “Layer Name” column contain a suffix. They indicate:

- **P=Participant Change:** This layer represents Participant submitted changes and shades all area where the participant entered VTD changes in the delineation phase.

See the following display for VTD-P changes.



Note that all VTDs with the exception of VTD 4:LACONIA WARD 2 (B) had changes in the delineation (annotation) phase.

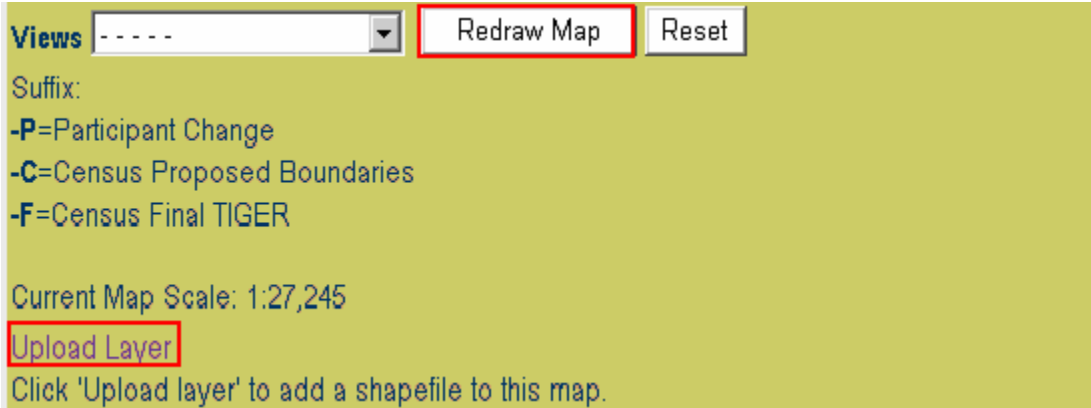
Note: No VTDs display as changes if the participant did not use the MTPS for delineation.

- **C and F suffixes:** These two suffixes were part of the original design for this module and are not currently functional.
- **Unsuffixes** VTD layer represents VTDs as they currently exist in the MTDB.

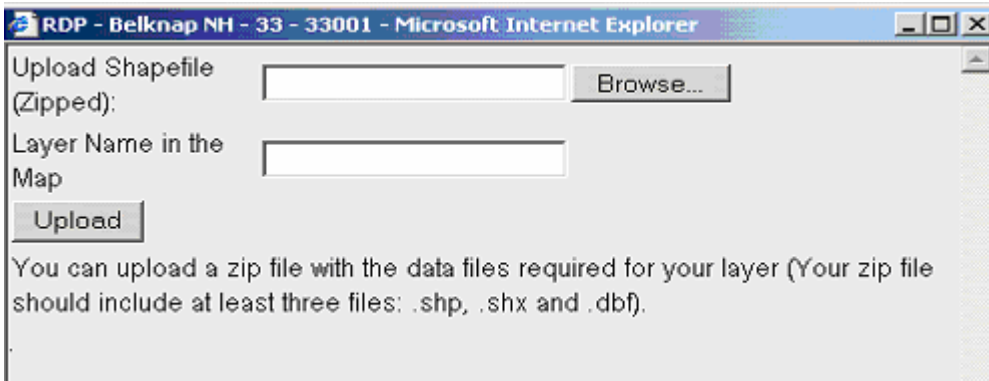
Note: Each layer has a scale dependency and cannot be viewed at scales smaller than the ratio scale listed next to the layer. The user cannot adjust the scale at which the layer can be viewed. Depending upon the current scale and layer, it may be necessary to zoom in further to view them. See the RDP layer viewable scale ratios below.

Layer Name	Show Layer	Show Labels	Layer Smallest Scale	Layer Largest Scale	Label Smallest Scale	Label Largest Scale
Area Landmark	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
River, Lake, or Ocean	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:25,000	1:1
Point Landmark	<input type="checkbox"/>	<input type="checkbox"/>	1:200,000	1:1	1:12,000	1:1
Census Block	<input type="checkbox"/>	<input type="checkbox"/>	1:50,000	1:1	1:25,000	1:1
Census Tract	<input type="checkbox"/>	<input type="checkbox"/>	1:500,000	1:1	1:250,000	1:1
All Lines	<input checked="" type="checkbox"/>		1:100,000	1:1	—	—
MCD	<input type="checkbox"/>	<input type="checkbox"/>	1:3,000,000	1:1	1:3,000,000	1:1
Census Designated Place	<input type="checkbox"/>	<input type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
County	<input type="checkbox"/>	<input type="checkbox"/>	1:15,000,000	1:1	1:15,000,000	1:1
Incorporated Place	<input type="checkbox"/>	<input type="checkbox"/>	1:1,000,000	1:1	1:1,000,000	1:1
VTD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:250,000	1:1	1:250,000	1:1
SLD Lower	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
SLD Upper	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:5,000,000	1:1	1:500,000	1:1
Congressional District	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1:10,000,000	1:1	1:500,000	1:1
Census Block Group	<input type="checkbox"/>	<input type="checkbox"/>	1:200,000	1:1	1:200,000	1:1
Block Area Group	<input type="checkbox"/>		1:10,000,000	1:1	—	—
VTD - P	<input type="checkbox"/>	<input type="checkbox"/>	1:250,000	1:1	1:250,000	1:1

Redraw Map when turning a layer on or off.



Upload Layer: Select this to add a “local” shapefile to this map. The following text box appears.

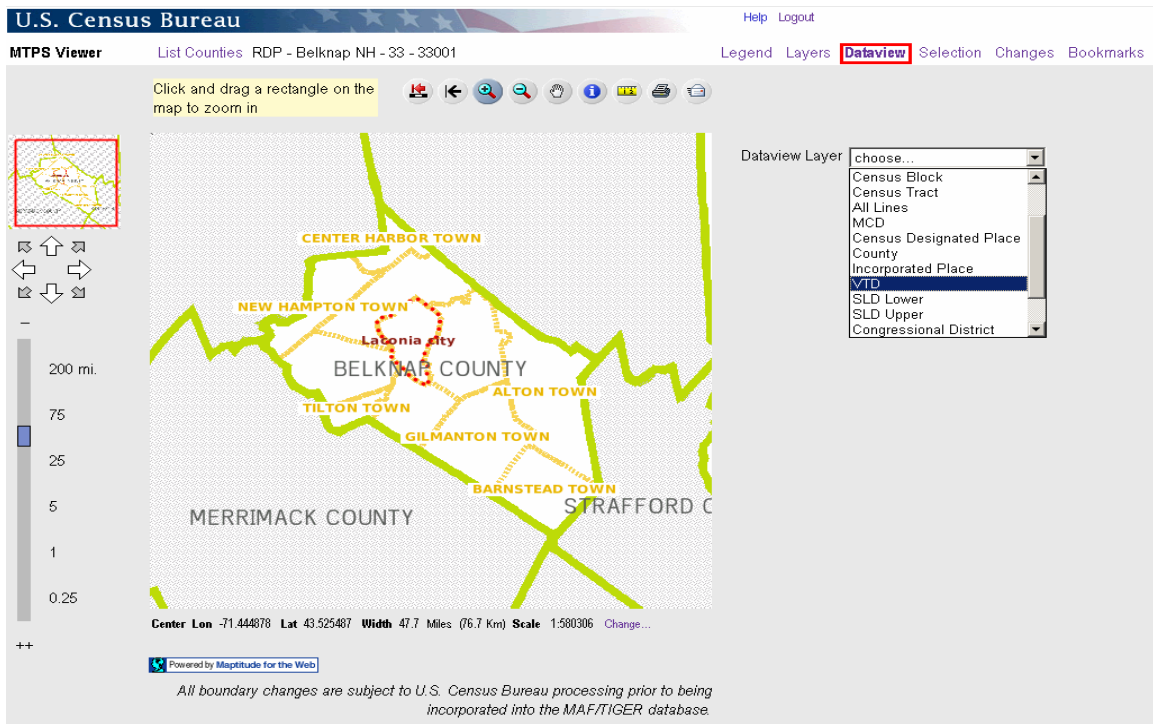


- Browse to the local folder of the shapefile to upload.
- Enter a Name for the shapefile layer to upload to the map.
- Select **Upload**.

Note: The file must include three files: .SHP, .SHX and .DBF) to be uploaded and added.

C. Dataview

Use the **Dataview** link for zooming into a specific layer or viewing a complete list of a certain feature or entity type.



For example, select **VTD** from the **Dataview Layer** in order to see a list of all VTDs in the county.

Dataview Layer: Refresh List Changes

Search for: and Find

There are 7 features in this layer.

ID	chng_type	NAMEBAD	NEW_NAME	NAME	STATE
1		Voting Districts not defined	Voting Districts not defined	Voting Districts not defined	33
2		LACONIA WARD 6	LACONIA WARD 6	LACONIA WARD 6	33
3		LACONIA WARD 3	LACONIA WARD 3	LACONIA WARD 3	33
4		LACONIA WARD 4	LACONIA WARD 4	LACONIA WARD 4	33
5		LACONIA WARD 2	LACONIA WARD 2	LACONIA WARD 2	33
6		LACONIA WARD 5	LACONIA WARD 5	LACONIA WARD 5	33
7		LACONIA WARD 1	LACONIA WARD 1	LACONIA WARD 1	33

Click the **Zoom** icon to zoom in to the VTD.

The Viewer zooms to and displays the selected VTD. This is useful in reviewing the VTD names and codes.

U.S. Census Bureau

MTPS Viewer List Counties: RDP - Belknap NH - 33 - 33001

Click and drag the map to change the center

Dataview Layer: VTD Refresh List Changes

Search for: Column...
and: Column...
Find

ID	NAME	STATE	COUNTY	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT
1	Voting Districts not defined	Voting Districts not defined	33	001	ZZZZZ	P	00													
2	LACONIA WARD 6	LACONIA WARD 6	33	001	LAC006	P	00													
3	LACONIA WARD 3	LACONIA WARD 3	33	001	LAC003	P	00													
4	LACONIA WARD 4	LACONIA WARD 4	33	001	LAC004	P	00													
5	LACONIA WARD 2	LACONIA WARD 2	33	001	LAC002	P	00													
6	LACONIA WARD 5	LACONIA WARD 5	33	001	LAC005	P	00													
7	LACONIA WARD 1	LACONIA WARD 1	33	001	LAC001	P	00													

Center Lon -71.454062 Lat 43.575273 Width 5.4 Miles (8.7 Km) Scale 1:65550 Change...

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If the layer has a long list of features or entities, it may be helpful to search for a specific one. The user can enter attribute information such as a **SLD Lower** and **NAME**, for example, and select **Find**.

Note: The search is case sensitive.

U.S. Census Bureau

MTPS Viewer List Counties: RDP - Belknap NH - 33 - 33001

Click and drag a rectangle on the map to zoom in

Dataview Layer: SLD Lower Refresh List Changes

Search for: NAME \$
and: Column...
Find

ID	NAME	STATE	COUNTY	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	PRECINCT	
1	State House District 3, Belknap ...	3, Belknap County	33	001	103	LL	N													
2	State House District 5, Belknap ...	5, Belknap County	33	001	105	LL	N													
3	State House District 4, Belknap ...	4, Belknap County	33	001	104	LL	N													
4	State House District 2, Belknap ...	2, Belknap County	33	001	102	LL	N													
5	State House District 1, Belknap ...	1, Belknap County	33	001	101	LL	N													
6	State House District 6, Belknap ...	6, Belknap County	33	001	106	LL	N													

Center Lon -71.444878 Lat 43.525467 Width 47.7 Miles (76.7 Km) Scale 1:580306 Change...

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Now select the **Zoom** icon to zoom in to the searched entity, example **SLDST 104**.

The screenshot shows the U.S. Census Bureau MTPS Viewer interface. The map displays Belknap County, NH, with SLD Lower boundaries. The map is zoomed in on SLDST 104. A data table on the right lists several SLD Lower entities, with SLDST 104 highlighted in yellow.

ID	NAME	COUNTY	STATE	CD	LL	N
1	State House District 3, Belknap ...	3, Belknap County	33	001	103	LL N
2	State House District 5, Belknap ...	5, Belknap County	33	001	105	LL N
3	State House District 4, Belknap ...	4, Belknap County	33	001	104	LL N
4	State House District 2, Belknap ...	2, Belknap County	33	001	102	LL N
5	State House District 1, Belknap ...	1, Belknap County	33	001	101	LL N
6	State House District 6, Belknap ...	6, Belknap County	33	001	106	LL N

The Web Viewer zooms and displays the entity of the search.

Note: Once the user has used the **Dataview** link to select a searched entity or feature,

use the **Info** tool  to get more information about the entity, as demonstrated for an SLD Lower example below.

The screenshot shows the U.S. Census Bureau MTPS Viewer interface. The map displays Belknap County, NH, with SLD Lower boundaries. The map is zoomed in on SLDST 104. A detailed information panel on the right displays metadata for SLD Lower 104.

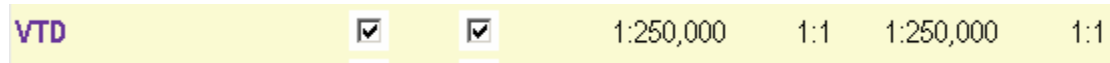
Center Longitude	-71.482499
Center Latitude	43.565799
Layer	SLD Lower
Area Width	5.473 Miles
Area Height	8.952 Miles
ID	3
STATEFP	33
COUNTYFP	001
SLDLST	104
NAMLSAD	State House District 4, Belknap County
LSAD	LL
PARTFLO	N
CHNG_TYPE	-
EFF_DATE	-
NEW_NAME	-
NEW_CODE	-
RELTYPE1	-
RELTYPE2	-
RELTYPE3	-
RELTYPE4	-
RELTYPE5	-
RELENT1	-
RELENT2	-
RELENT3	-
RELENT4	-
RELENT5	-
RELATE	-
LSY	2006
NAME	4, Belknap County
VINTAGE	90
FUNCSTAT	N

D. Selection


Use the **Selection** link to choose an “active” selection layer and then use the **Info** tool to acquire more details about the entity or feature.

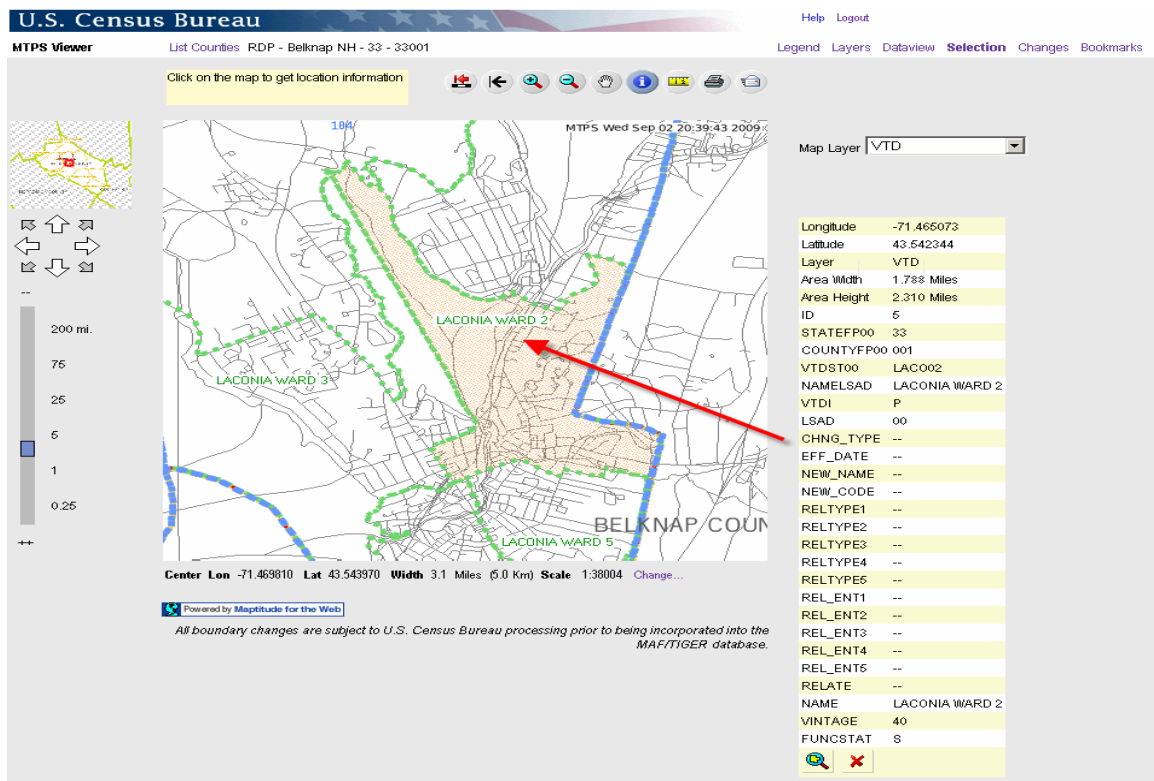
For example, with the **Selection** link engaged, select **VTD** as the **Map Layer**.

Note: Remember that the VTD layer must also be checked.



The screenshot shows the U.S. Census Bureau MTPS Viewer interface. At the top, it says 'U.S. Census Bureau' and 'MTPS Viewer'. The main map area displays 'LACONIA WARD 2', 'LACONIA WARD 3', and 'LACONIA WARD 5' in green dashed lines, and 'BELKNAP COUN' in a blue solid line. A 'Map Layer' dropdown menu is open on the right, showing options: 'All Lines', 'MCD', 'County', 'Incorporated Place', 'VTD', and 'SLD Lower'. The 'VTD' option is selected. Below the map, there is a scale bar and coordinates: 'Center Lon -71.469810 Lat 43.543925 Width 3.1 Miles (5.0 Km) Scale 1:30004'. At the bottom, it says 'Powered by Maptitude for the Web' and a disclaimer: 'All boundary changes are subject to U.S. Census Bureau processing prior to being incorporated into the MAF/TIGER database.'

Select the **Info** icon  and place the cursor in the VTD and left-click. The VTD shades and information for that VTD is displayed.



U.S. Census Bureau Help Logout

MTPS Viewer List Counties RDP - Belknap NH - 33 - 33001 Legend Layers Dataview Selection Changes Bookmarks

Click on the map to get location information

Map Layer: VTD

Longitude	-71.465073
Latitude	43.542344
Layer	VTD
Area Width	1.788 Miles
Area Height	2.210 Miles
ID	5
STATEFP00	33
COUNTYFP00	001
VTDST00	LAC002
NAMELSAD	LACONIA WARD 2
VTDI	P
LSAD	00
CHNG_TYPE	--
EFF_DATE	--
NEW_NAME	--
NEW_CODE	--
RELTYPE1	--
RELTYPE2	--
RELTYPE3	--
RELTYPE4	--
RELTYPE5	--
REL_ENT1	--
REL_ENT2	--
REL_ENT3	--
REL_ENT4	--
REL_ENT5	--
RELATE	--
NAME	LACONIA WARD 2
VINTAGE	40
FUNCSTAT	S

Center Lon -71.469810 Lat 43.543970 Width 3.1 Miles (5.0 Km) Scale 1:38004 Change...

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E. Changes

Select the **Changes** link to view changes by layer. For example, to identify submitted VTDs that have changed boundaries and/or attribute values (Code, Name, LSAD, VTDI) **from Census 2000**, select the **Changes** link and select the respective layer from the **List Changes for Layer** menu.

Note: No VTDs display as changes if the participant did not use the MTPS for delineation.



List Changes for Layer

choose... ▼

choose...

VTD - P

The Web Viewer returns a menu with the “changed” VTDs that can be selected and zoomed to.

ID	chnг_type	NAMLSAD	NEW_NAME	NAME	VOTING_DIS	STATEFP00	COUNTYFP00	VTDST00	VTDI	LSAD	EFF_DATE
1	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 1		LACONIA WARD 1	LAC001	33	001	LAC001	P	00	
2	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 6		LACONIA WARD 6	LAC006	33	001	LAC006	P	00	
3	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 3		LACONIA WARD 3	LAC003	33	001	LAC003	P	00	
4	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 2		LACONIA WARD 2	LAC002	33	001	LAC002	P	00	
5	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 4		LACONIA WARD 4	LAC004	33	001	LAC004	P	00	
6	B - Bound. Corr./Add-To, Remove...	LACONIA WARD 5		LACONIA WARD 5	LAC005	33	001	LAC005	P	00	
7	E - New Entity / Create Area		TOWN OF CENTER HARBOR			33	001		A		
8	E - New Entity / Create Area		TOWN OF NEW HAMPTON			33	001		A		
9	E - New Entity / Create Area		TOWN OF MEREDITH			33	001		P		
10	E - New Entity / Create Area		TOWN OF GILFORD			33	001		A		
11	E - New Entity / Create Area		TOWN OF ALTON			33	001		A		
12	E - New Entity / Create Area		TOWN OF BARNSTEAD			33	001		A		
13	E - New Entity / Create Area		TOWN OF GILMANTON			33	001		A		
14	E - New Entity / Create Area		TOWN OF BELMONT			33	001		A		
15	E - New Entity / Create Area		TOWN OF TILTON			33	001		A		
16	E - New Entity / Create Area		TOWN OF SANBORNTON			33	001		A		

Note: See the following table for the description of the change types (chnг_type) for Area and Line Layers.

Area Layer chng_type Codes	Description	Operational Update Type
A	Addition / Annexation	Add-To
B	Boundary Correction	Add-To, Remove-From
C	Geographic Corridor	
D	Deletion / Deannexation	Remove-From
E	New Entity	Create Area
F	Geographic Offset	
G	Name Change	Modify Attributes
H	Complex Dissolution	Add-To
M	Merger	Add-To
O	Other	Modify Attributes
P	New Entity	Create Area (in current vintage)
R	Remove Entity	Delete
V	Code Change	Modify Attributes
X	Entity Deleted	Delete
Line Layer chng_type Codes	Description	
AL	Add Line	
DL	Delete Line	
CA	Change Name	
CA	Change Code	
SL	Split Line	
RL	Replace Line	

Refer to the **Help** module or contact the RCC for questions on the Web Viewer interface.