

New Mexico Broadband Grant Program Map

User Guide

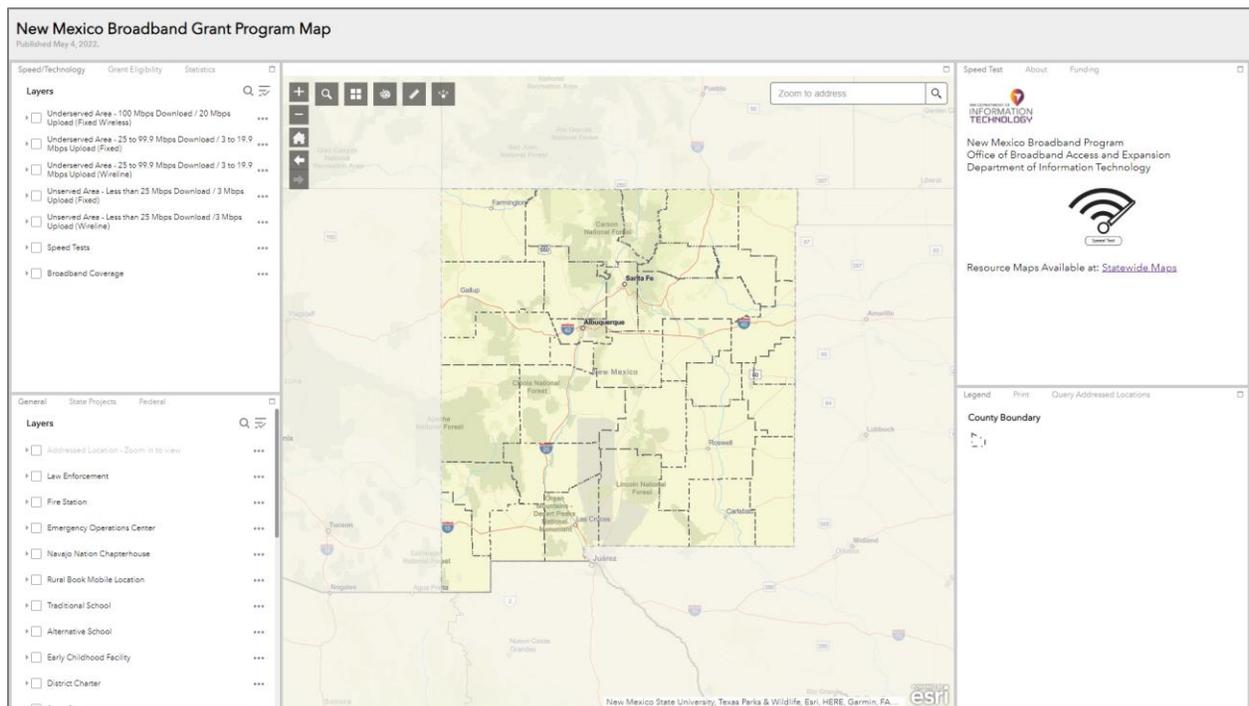
(Version 4)

Description

The New Mexico Grant Program Reference Map is maintained by the New Mexico Broadband Program (NMBBP). This interactive map allows users to view broadband data to support grant applicants.

The broadband coverage layers are a combination of data collected from Internet Service Providers (providers), and FCC Form 477 data. The NMBBP collects coverage data from providers bi-annually. For those providers that do not participate in the data collection process, FCC Form 477 data is used, which tends to overestimate, especially in less populated areas. Broadband coverage data currently displayed in this map dates from September 2021 (FCC Form 477) and December 2021 (provider data).

Coverage data by speed is currently based on FCC Form 477 data only. Provider data will be integrated once 2022 data acquisition is completed and processed.



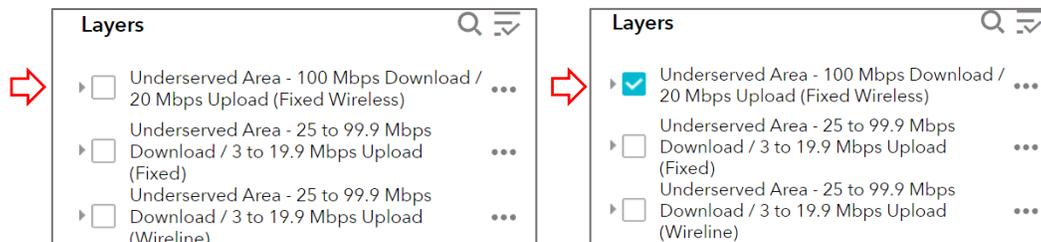
[New Mexico Broadband Grant Program Map](#)

Contents

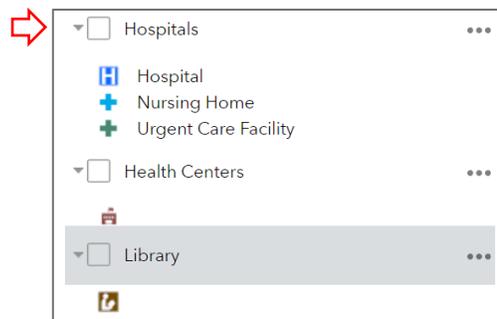
The New Mexico Grant Program Reference Map application is composed of five windows, one of which is the map view. The rest are divided by tabs, each including geospatial data, information/resources, or tools.

Viewing the data:

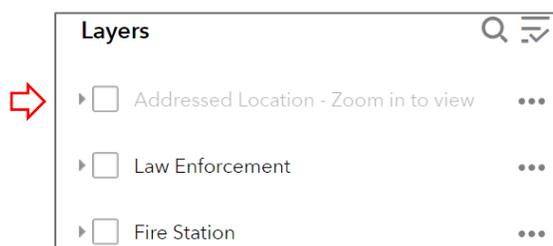
- To make a layer visible, click the square on the left side of its name.



- To view the layer's symbology, or expand layer groups, click on the triangle on the far left of the layer. To collapse it, click on the triangle again.



- Layers with their name in a light grey color require the user to zoom closer into the map before the data become visible. The layer name will become darker when the map is zoomed in to the required extent.

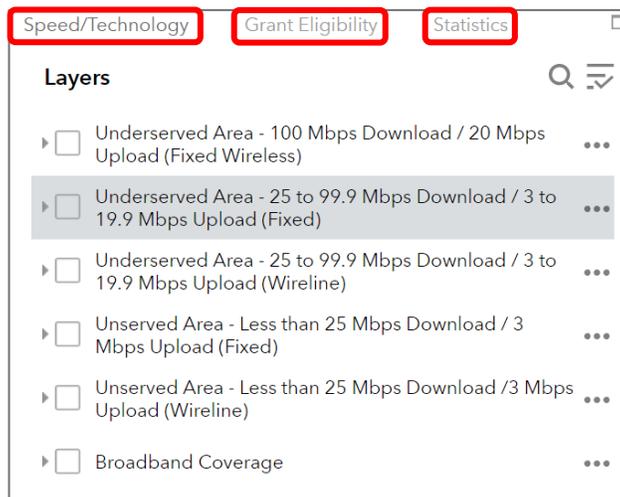


The **top left** window has the following three tabs, to select the tab of interest click on the name:

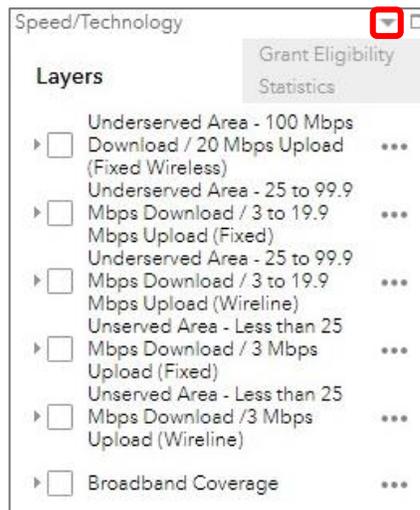
- **Speed/Technology:** layer tab that contains Wireline (Fiber, DSL, Cable, Copper) and Fixed (Wireline and Fixed Wireless) coverage data by speed. The data is categorized as

unserved (less than 25 Mbps Download/3 Mbps Upload) and underserved (25 to 99.9 Mbps Download / 3 to 19.9 Mbps Upload). Areas served by Fixed Wireless with 100 Mbps Download / 20 Mbps Upload or more are also considered underserved. This tab also includes a visual of the results of the NMBBP Speed Test, and broadband coverage by technology type.

- **Grant Eligibility:** layer tab showing areas that are eligible for grants, being those areas lacking 100 Mbps Download / 20 Mbps Upload Wireline.
- **Statistics:** layer tab containing demographic statistics from ACS-Census. This includes percent of households with no internet subscriptions or no access.
 - Layers with their names in a light gray color can be viewed when zoomed in at a certain extent.



If the browser window is small, the three tabs may not be visible. To access the different tabs, click on the down arrow in the upper right of the window.



The **bottom left** window has the following three tabs:

- **General:** layer tab including a variety of reference data, such as:
 - Addressed Locations
 - Community Anchor Site Assessment (CASA) Database, which includes public facilities like public safety, education (higher education, public schools), libraries, medical/healthcare, government, and non-governmental facilities.
 - Incorporated Places
 - Colonias
 - Land Grants
 - Rural Census Places
 - Economic Opportunity Zones
 - County boundaries
 - Tribal Lands
- **State Projects:** layer tab including State Grant awarded areas, including awards by the NM Public Regulation Commission (NMPRC) from 2018 to 2020.
- **Federal:** layer tab showing areas awarded for different Federal grants, including Connect America Fund (CAF), the Rural Digital Opportunity Fund (RDOF), the ReConnect Loan and Grant Program and the FCC 2.5 GHz Rural Tribal Applications.

The **center** window displays the map with the data from the above tabs.

The **top right** window includes the following three tabs:

- **Speed Test:** resource tab where users can access the NMBBP Speed Test Survey, by clicking on the speed test icon. The website containing the Broadband Statewide Maps is also linked here.
- **About:** resource tab that includes general information about the application, the broadband coverage data displayed, and links to the New Mexico Broadband Program and New Mexico Broadband Map websites.
- **Funding:** resource tab with hyperlinks to different broadband funding opportunities

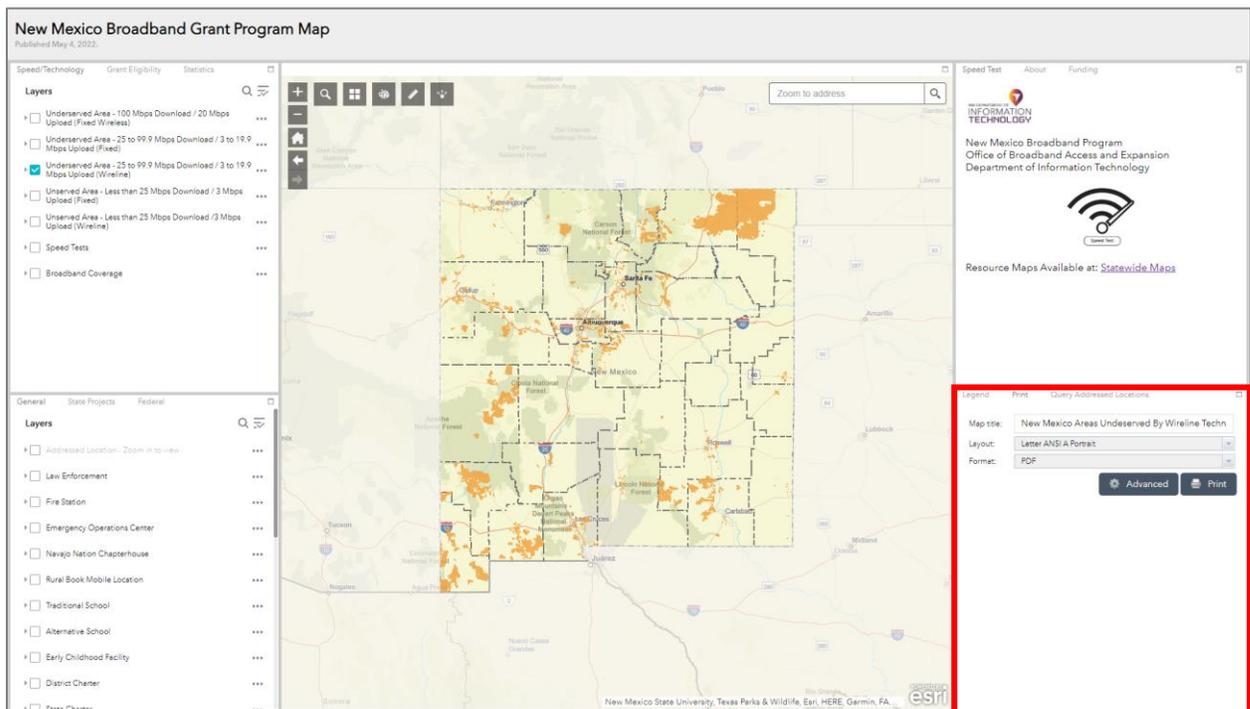
The **bottom right** window has the following three tabs:

- **Legend:** area that displays the symbology of visible layers
- **Print:** tool that allows the user to print a pdf map of their map extent of choice. Users can specify the title of the map, size of the page and format of the file.
 - [Click here for Demo](#)
- **Query Addressed Locations:** map tool that allows the user to specify an area of interest and generate a report of addressed locations within that area up to 5,000, as well as download a csv file containing their attributes.
 - [Click here for Demo](#)

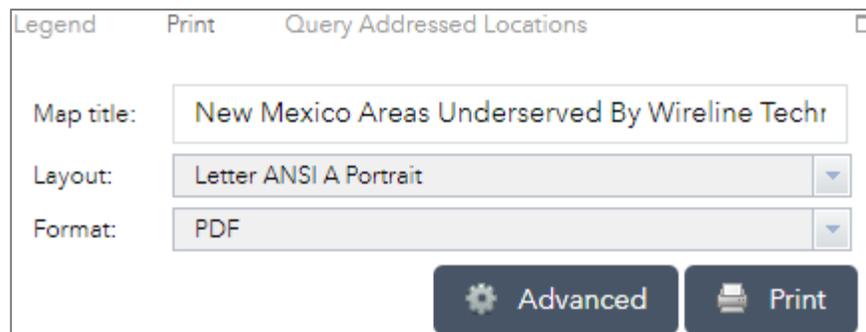
- **Download Data:** resource tab where with links to download data from the Resource Geographic Information Systems Data Clearinghouse (RGIS).
 - [Click here for Demo](#)

“Print” Tool Demo

- Click on the Print tab to begin.



- Give the map a title, which will be displayed at the top.
- On Layout, select the size and orientation of the map.
- On Format, select the format that you would like to export the map file in.



- Click Advanced to customize the map further:

The image shows a screenshot of a web-based map application interface. A modal dialog box is open, titled "Map scale/extent", which is used for configuring map printing options. The dialog is overlaid on a map titled "Speed Test" and a legend titled "Legend".

The dialog box contains the following sections and controls:

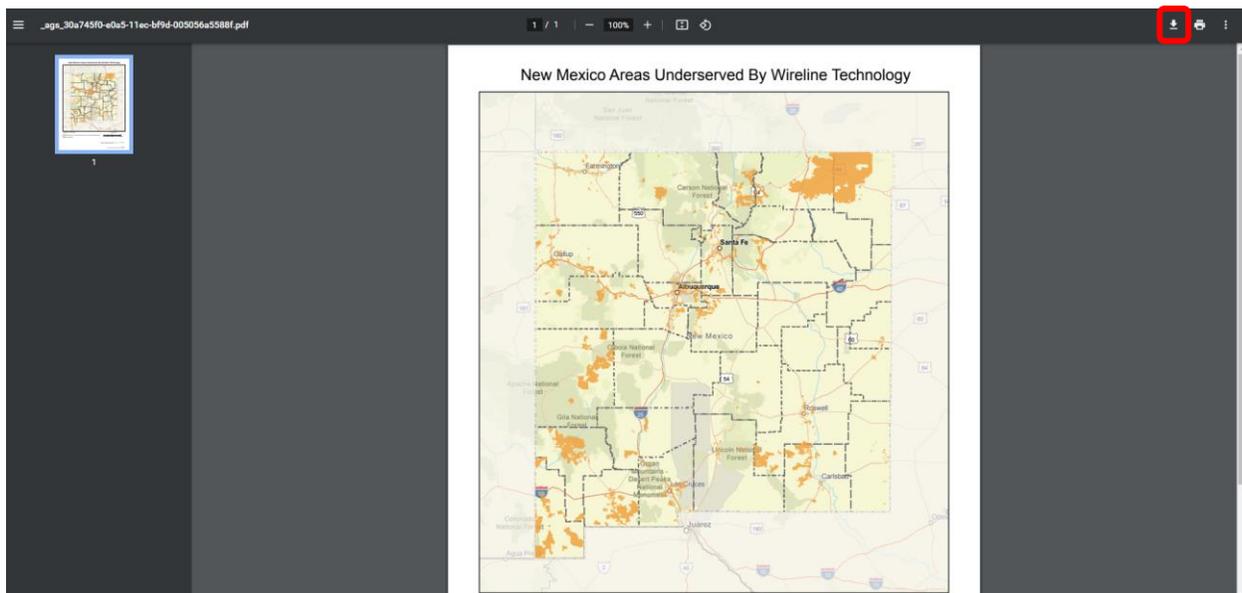
- Map scale/extent:**
 - Preserve: map scale, map extent
 - Force scale: (with a "current" link below it)
- Output spatial reference WKID :**
 -
 - WGS_1984_Web_Mercator_Auxiliary_Sphere*
- Layout metadata:**
 - Author:
 - Copyright:
- Include legend:**
- Scale bar unit:** (with a dropdown arrow)
- MAP_ONLY size:**
 - Width (px):
 - Height (px):
- Print quality:**
 - DPI:
- Feature attributes:**
 - Include attributes:

At the bottom of the dialog, there are two buttons: "Advanced" (with a gear icon) and "Print" (with a printer icon). The "Advanced" button is highlighted with a red border.

- Click “Print” to generate the map file. A loading bar will appear, and once ready, a clickable map title will show.
- Click on the map title to open the map file.



- When it opens, click the download arrow on the top right corner.



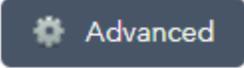
- You can generate multiple map files with different layouts and formats. When created consecutively, they will appear on a list. Click “Clear prints” to clear the list.

Legend Print Query Addressed Locations

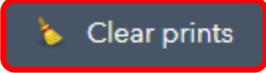
Map title:

Layout:

Format:

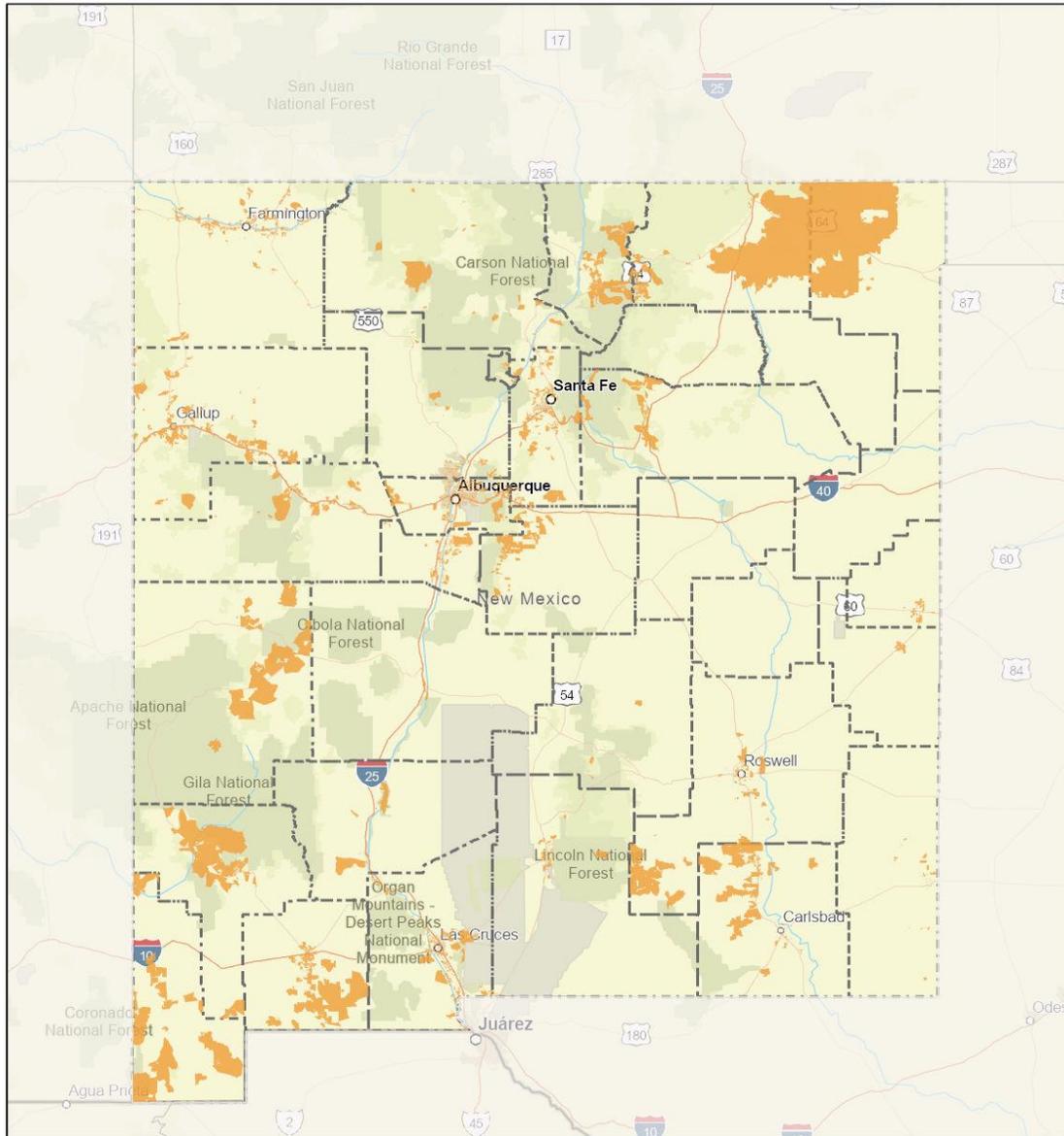
 

1.  New Mexico Areas Underserved By Wireline Technology
2.  New Mexico Areas Underserved By Wireline Technology



➤ Map file:

New Mexico Areas Underserved By Wireline Technology



5/30/2022, 11:53:37 PM

1:4,622,324

 Underserved Area - 25 to 99.9 Mbps Download / 3 to 19.9 Mbps Upload (Wireline)
 County Boundary

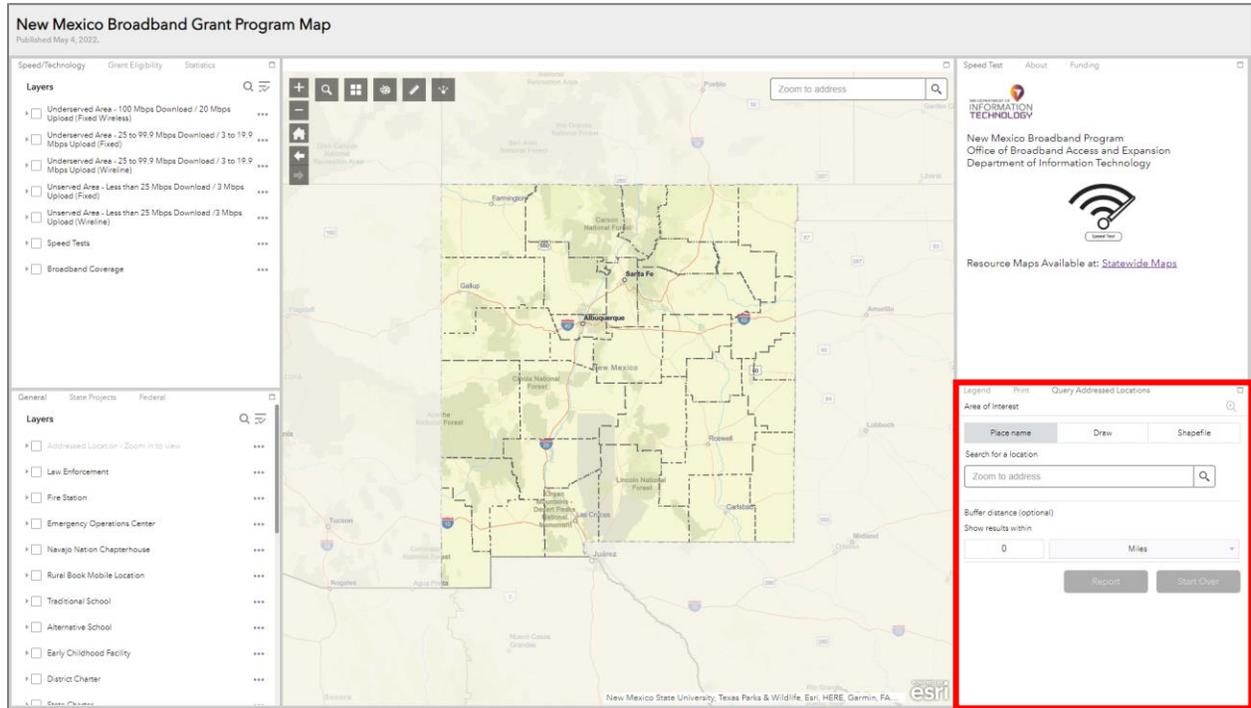
0 30 60 120 mi
0 50 100 200 km

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

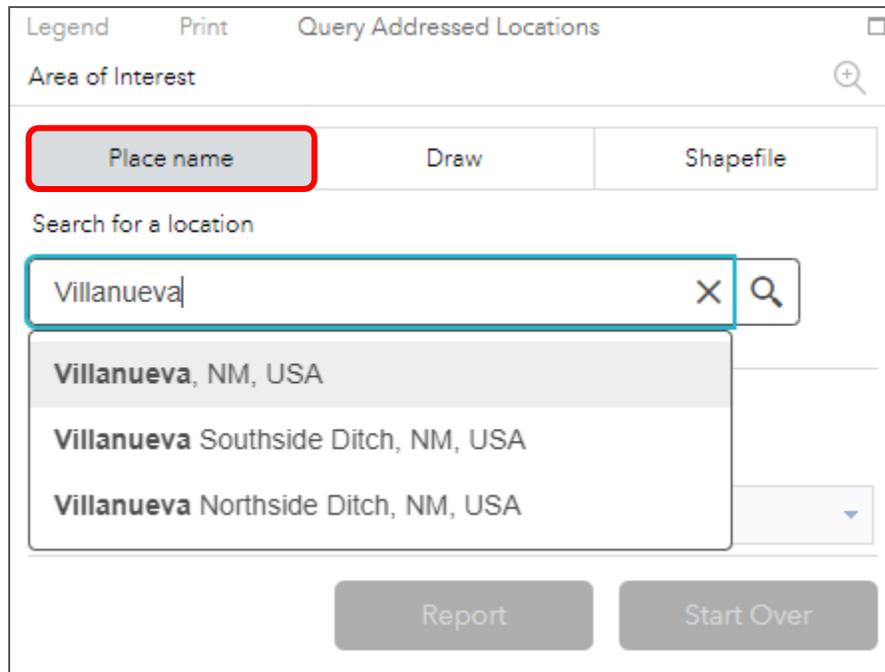
John Doe
Copyright 2022, New Mexico Broadband Grant Program

“Query Addressed Locations” Tool Demo

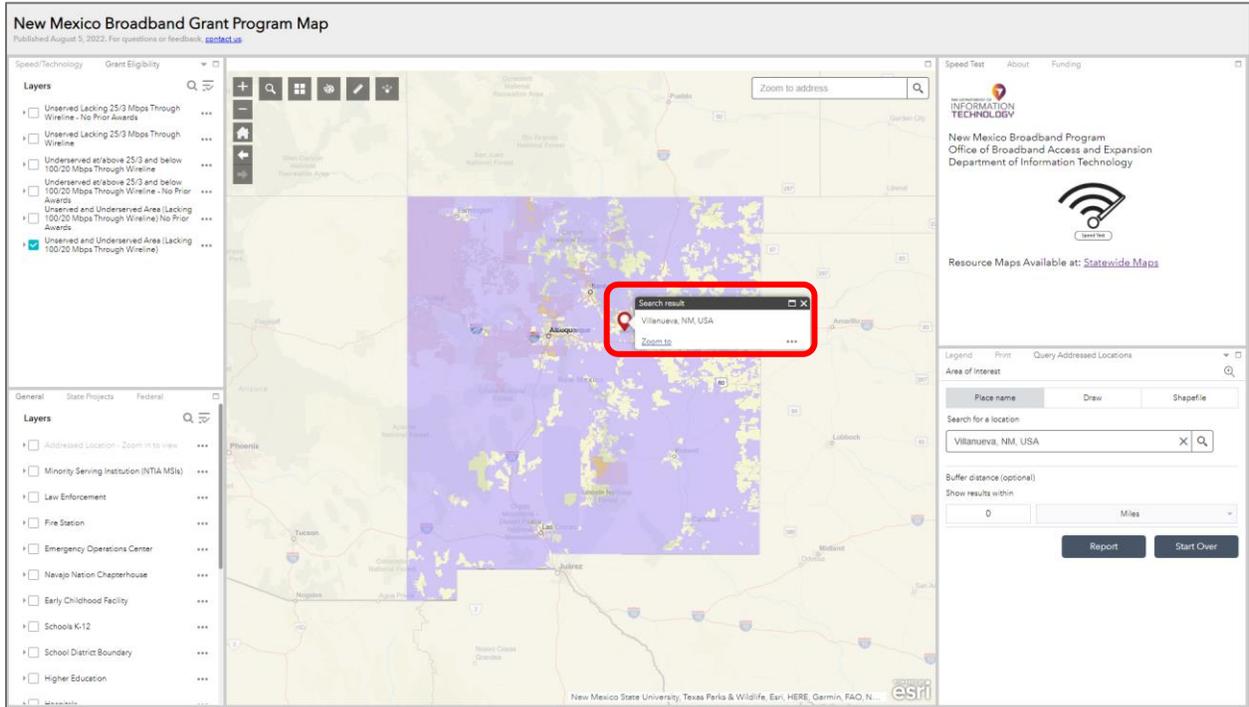
- Click on the “Query Addressed Locations” tab to begin.



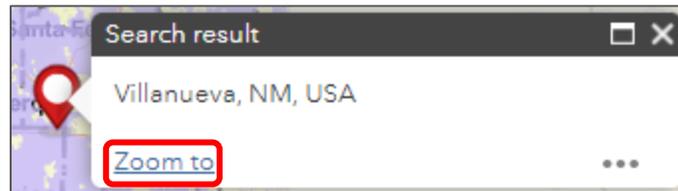
- You can search for a location by typing in an address or a location and click the magnifying glass and a drop down of locations to choose from will appear.

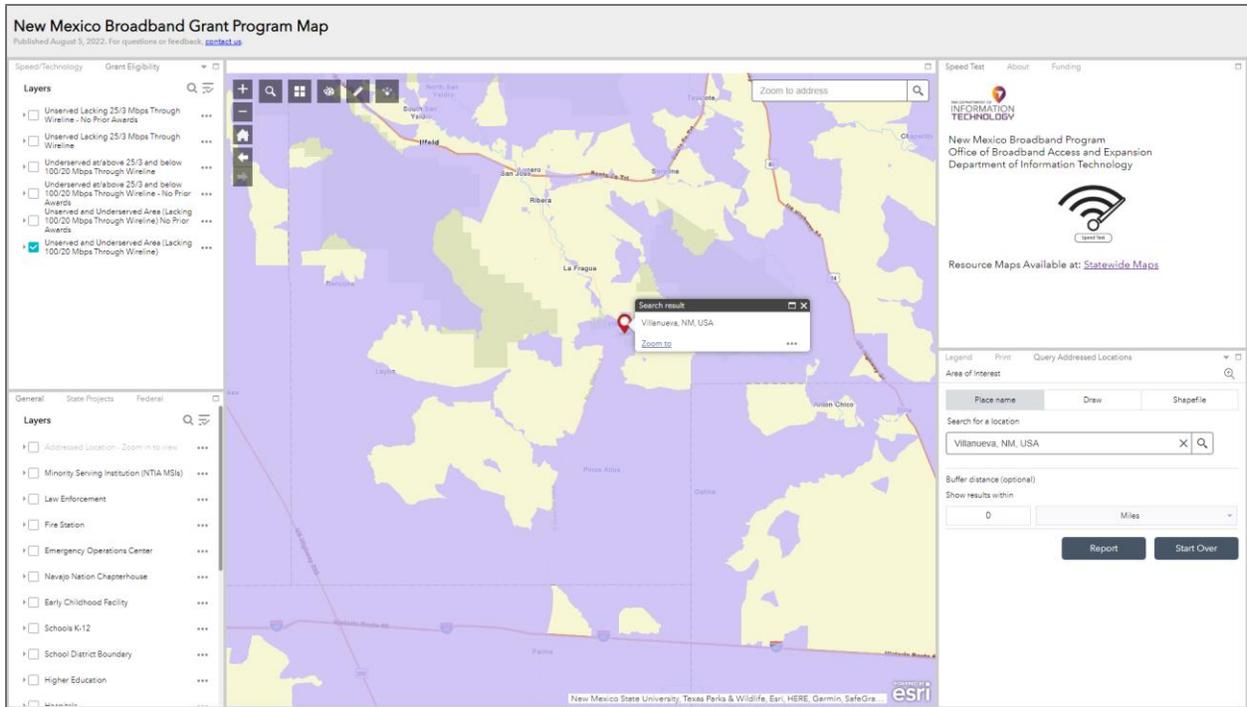


- A pin will appear on the map at the chosen location.

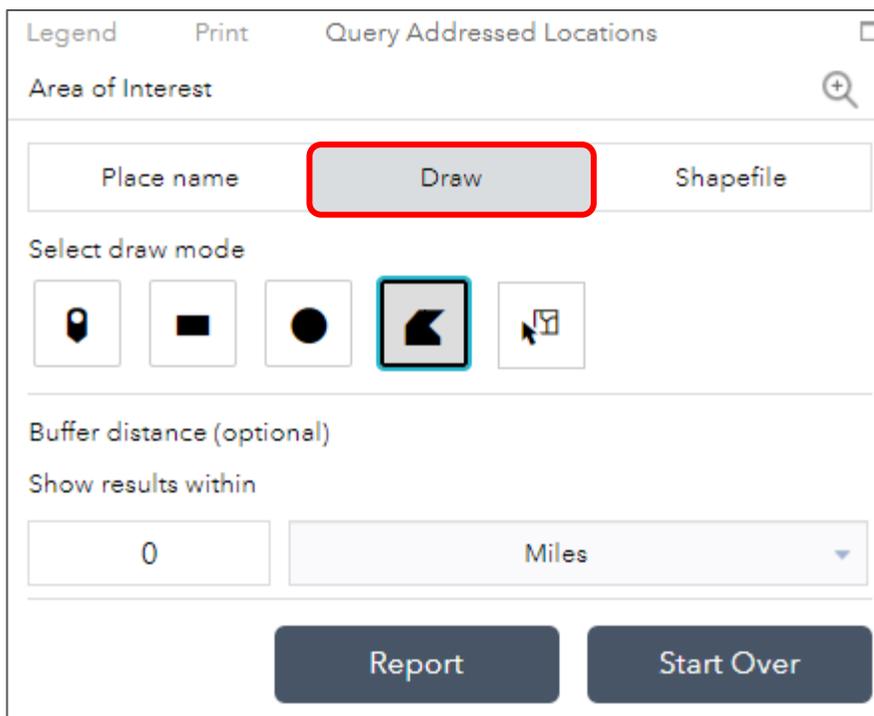


- Click on the Zoom to link to zoom the map closer to that location.

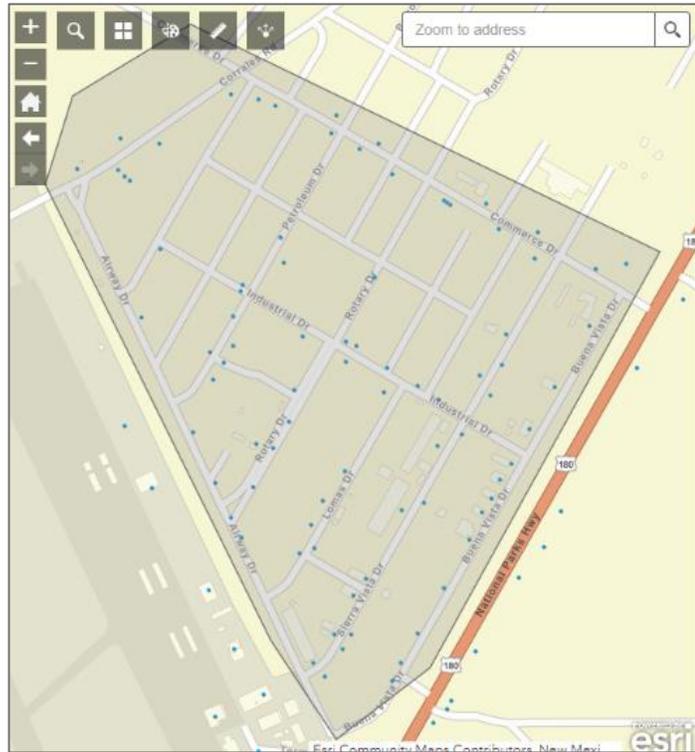




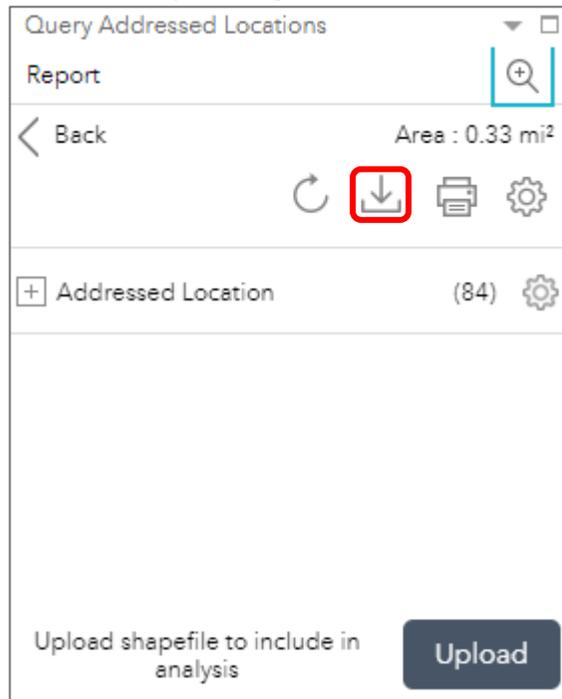
- A user can select a group of Addressed Location to download using the tools in the menu. The select by polygon tool allows the user to draw an irregular shape on the map around the points of interest by clicking on the map once the tool has been selected, to complete the shape double click at the end.

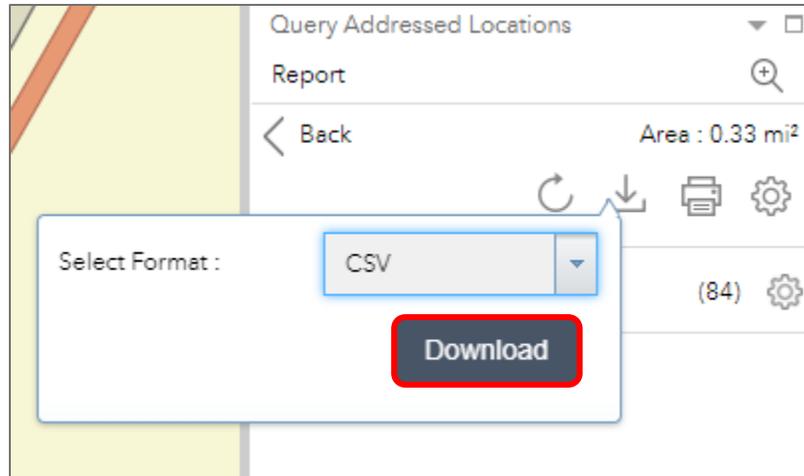


- Click the Report button to select the addressed location within the shape drawn on the map.

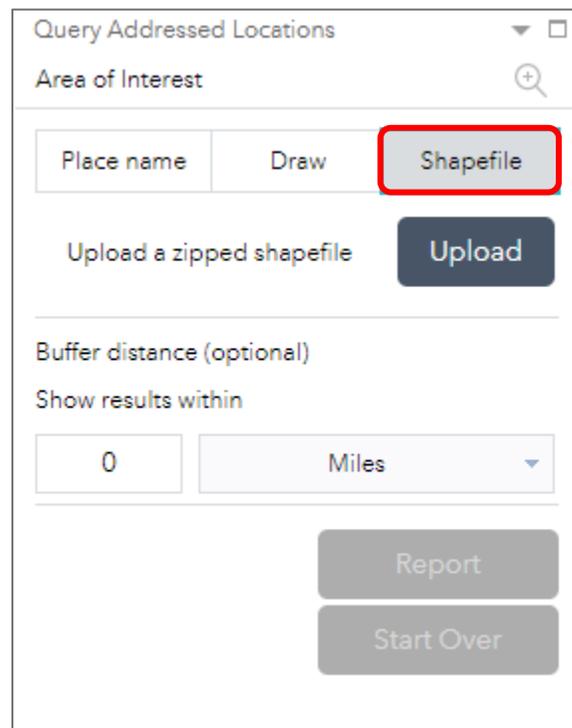


- The number of Addressed Location will then be shown. The user can download a .CSV file of the address location by clicking the download button.



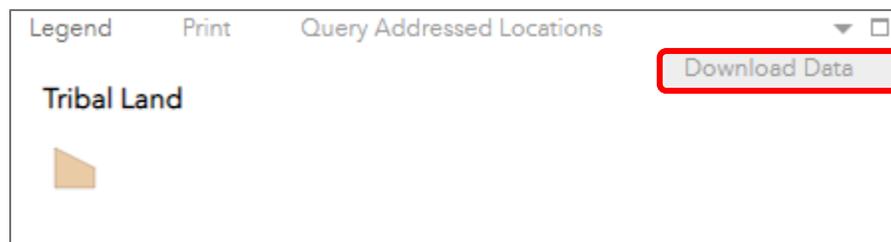
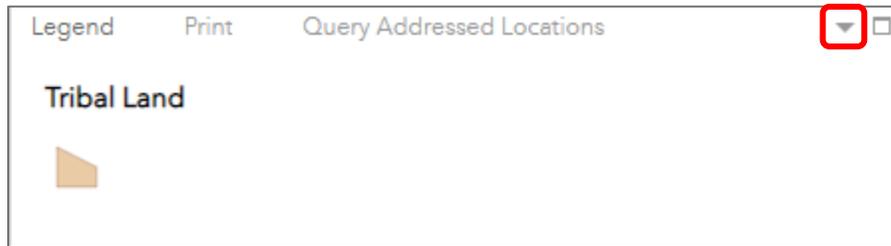


- Alternatively, the user can upload a shapefile of an area of interest to select the Addressed Locations. This needs to be a zipped shapefile.

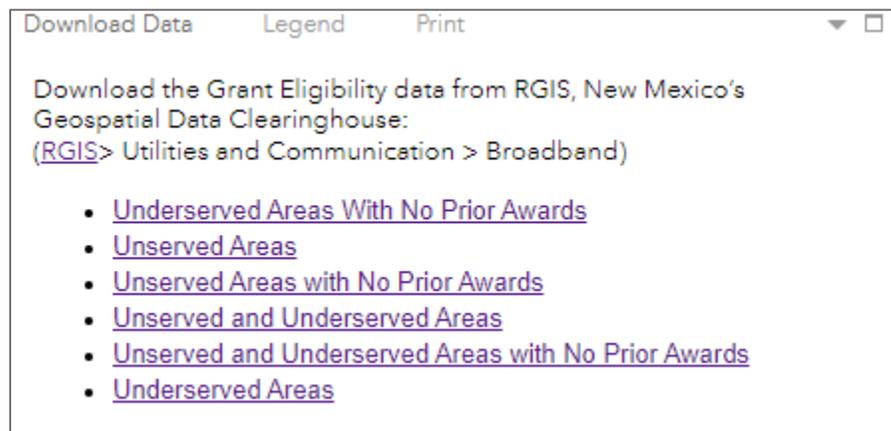


“Download Data” Tab Demo

- On the bottom right section, access the “Download Data” tab by clicking on the down arrow, if it is not already visible.



- Click on each bulleted link to open the page on RGIS that contains a download link, and information about the data.



RGIS

Underserved Areas With No Prior Awards

Abstract
 This data shows areas that are considered underserved in the state of New Mexico, meaning they have a minimum of 25/3 Mbps coverage, but lack 100/20 Mbps through wireline technology. It also excludes areas that have had prior grant awards. The areas shown are eligible for grants from the Connect New Mexico Pilot Program. The data was created by the New Mexico Broadband Program (NMBBP) using the latest FCC Form 477 data available as of June 30, 2021.

Point of Contact
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 Phone: 505-827-0000

Keywords

- utilitiesCommunication
- Broadband
- Underserved
- Wireline
- DSL
- Cable
- Fiber
- Copperwire

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Documentation
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[xml](#) [html](#)
 ISO-19115:2003
[xml](#) [html](#)

For more data visit rgis.unm.edu. RGIS needs your support to enhance and strengthen the state's central data repository and services. Please consider donating.

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For comments, questions and technical support please contact rgis@edac.unm.edu at the Earth Data Analysis Center UNM.

Downloads

[zip](#)

- You can also navigate to the data on the RGIS website by clicking here, then in the content tree on the left side, click Utilities and Communication > Broadband.

RGIS Show Map Search: _____ Formats: ● Rasters ● Vectors ● Files ● All Clear Search

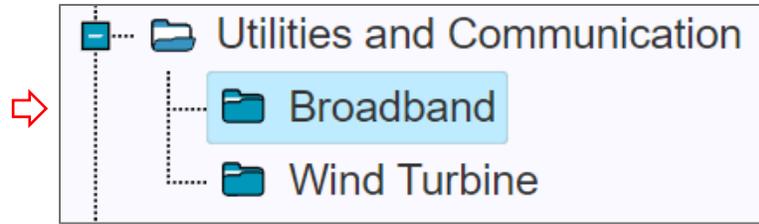
Your search in: /RGIS/Utilities and Communication/Broadband for any description with a format of all and at location anywhere found 6 results.

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