

# NEW MEXICO GIS DATA RGIS CLEARINGHOUSE

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26th Annual New Mexico Data Users Conference



# RGIS HISTORY

- 1988 – New Mexico State agencies surveyed by four UNM units to assess the feasibility for developing a statewide computer mapping and geographic information system. (RGIS)
- 1996 – RGIS website inaugurated. Provided information on the program and metadata. Data not available yet via the website. CD-ROM set of clearinghouse data released. Cost per CD was \$150.00.
- 2013 - RGIS designated State Digital Geospatial Data Clearinghouse by the NM Legislature and Governor (2013, HB493)
- 2022 – Statewide QL2 LidAR

# RGIS 1.0



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## • The Program

The New Mexico Resource Geographic Information System (RGIS) is a cooperative Program between the University of New Mexico (UNM) and the State of New Mexico General Services Department (GSD). Representatives from three UNM Public Service and Research Units (Earth Data Analysis Center (EDAC), Bureau of Business and Economic Research (BBER), and New Mexico Engineering Research Institute (NMERI)) comprise the RGIS Team and manage the Program. Program components include a Clearinghouse, database development, technical support, training, geographic information coordination, and project support for state agencies and local government.

The Program is dedicated to advancing applications of geographic information system technology within New Mexico's State agencies, local government and private industry. GIS technology is an important tool for managing business and government. The Program provides access to data, training, and technical support for users desiring to incorporate geographic information into their decision making processes. Outreach programs to county and local governments encourage effective and efficient management through coordinated development of geographic information. The RGIS Program is a focal point and clearinghouse for spatial geographic information and related technologies in New Mexico.

*Last Update: Tuesday, January 06, 1998 8:23:39 AM*

*Please forward any questions or comments regarding the RGIS home page to:*

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Albuquerque, NM 87131-6031  
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# RGIS

- Browse
- Search
  - Keyword
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  - Formats
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The screenshot displays the RGIS web application interface. At the top, there is a navigation bar with the 'RGIS' logo, a 'Show Map' button, a search input field, and format selection options: 'Rasters', 'Vectors', 'Files', and 'All' (which is selected). A 'Clear Search' button is also present. Below the navigation bar, a message states: 'Your search in: /RGIS for any description with a format of all and at location anywhere found 91549 results.'

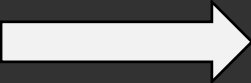
The main content area is divided into two panels. The left panel shows a hierarchical tree view of categories under 'RGIS', including Agriculture, Boundaries, Cadastral and PLSS, Census and Demography, Climate, Elevation and Terrain, Environment, FEMA Risk Map Products, Geosciences, Hazards, Health, Imagery, Location, Public Safety, SOS Voting Districts, State Agencies, Structures, Topographic Maps, Transportation, Utilities and Communication, Water, and Wildfires.

The right panel displays a list of search results. Each result includes a small icon, a title, and a 'Download +' button. The results include various datasets such as 'New Mexico Address Points - October 2024', 'New Mexico Road Centerlines - October 2024', 'New Mexico Incorporated Places October 2024', 'New Mexico Address Points - September 2024', 'New Mexico Road Centerlines - September 2024', 'New Mexico Building Footprints', 'City of Rio Rancho Tax Increment Development Districts', 'New Mexico Voting Precincts July 2024', 'New Mexico Gross Receipts Tax July-Dec 2024', 'New Mexico Incorporated Places April 2024', 'New Mexico Property Tax Districts TY2023', 'Taos Ski Valley Tax Increment Development District', 'Anthony Water and Sanitation District', 'Mesa Del Sol Tax Increment Development District', 'New Mexico School Board Districts Fall 2023', 'San Juan Community College District', 'School Districts 2023', 'New Mexico House District Boundaries', 'New Mexico Plan Inventory December 2021 Version', 'New Mexico Senate District Boundaries', and a series of 'PWT-294\_S\_4\_FMN\_1-001\_160\_geo.tif' through 'PWT-294\_S\_4\_FMN\_1-002\_157\_geo.tif' files.

At the bottom of the results list, there is a pagination control with buttons for 'First', 'Previous', '1', '2', '3', '4', '5', '6', '7', '8', '9', '10', 'Next', and 'Last'. The '1' button is currently selected.

# Browse Catalog

Click on Directory for data results



**RGIS** Show Map Search:  Formats:  Rasters  Vectors  Files  All Clear Search

Your search in: /RGIS for any description with a format of all and at location anywhere found 91549 results.

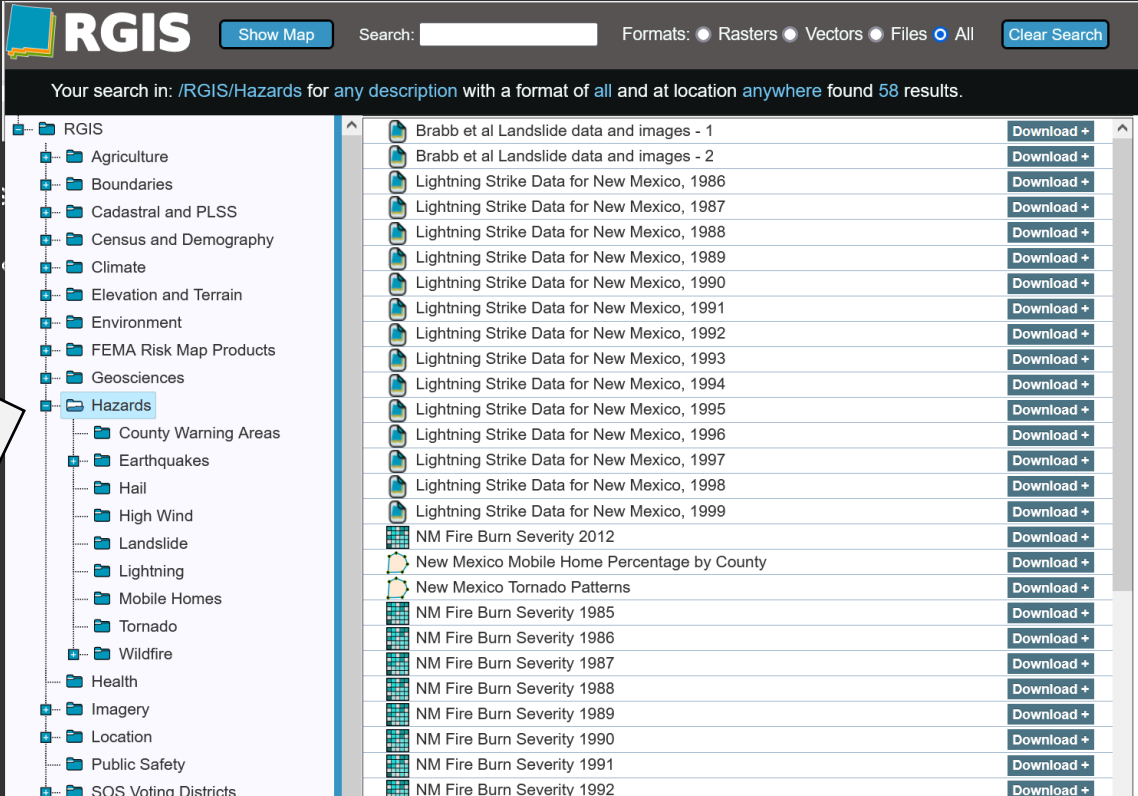
RGIS	New Mexico Address Points - October 2024	Download +
Agriculture	New Mexico Road Centerlines - October 2024	Download +
Boundaries	New Mexico Incorporated Places October 2024	Download +
Cadastral and PLSS	New Mexico Address Points - September 2024	Download +
Census and Demography	New Mexico Road Centerlines - September 2024	Download +
Climate	New Mexico Building Footprints	Download +
Elevation and Terrain	City of Rio Rancho Tax Increment Development Districts	Download +
Environment	New Mexico Voting Precincts July 2024	Download +
FEMA Risk Map Products	New Mexico Gross Receipts Tax July-Dec 2024	Download +
Geosciences	New Mexico Incorporated Places April 2024	Download +
Hazards	New Mexico Property Tax Districts TY2023	Download +
Health	Taos Ski Valley Tax Increment Development District	Download +
Imagery	Anthony Water and Sanitation District	Download +
Location	Mesa Del Sol Tax Increment Development District	Download +
Public Safety	New Mexico School Board Districts Fall 2023	Download +
SOS Voting Districts	San Juan Community College District	Download +
State Agencies	School Districts 2023	Download +
Structures	New Mexico House District Boundaries	Download +
Topographic Maps	New Mexico Plan Inventory December 2021 Version	Download +
Transportation	New Mexico Senate District Boundaries	Download +
Utilities and Communication	PWT-294_S_4_FMN_1-001_160_geo.tif	Download +
Water	PWT-294_S_4_FMN_1-001_161_geo.tif	Download +
Wildfires	PWT-294_S_4_FMN_1-002_148_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_149_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_150_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_151_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_152_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_153_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_154_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_155_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_156_geo.tif	Download +
	PWT-294_S_4_FMN_1-002_157_geo.tif	Download +

First Previous 1 2 3 4 5 6 7 8 9 10 Next Last

Results

# Browse RGIS Catalog

Expand Directories to find data set of interest



The screenshot displays the RGIS catalog interface. At the top, there is a search bar with the text "Your search in: /RGIS/Hazards for any description with a format of all and at location anywhere found 58 results." Below the search bar, a list of categories is shown on the left, with "Hazards" selected and highlighted. A large white arrow points to the "Hazards" category. The main content area on the right shows a list of search results, each with a "Download +" button. The results include various datasets related to hazards, such as "Brabb et al Landslide data and images", "Lightning Strike Data for New Mexico" (from 1986 to 1999), "NM Fire Burn Severity" (from 1985 to 1992), and "New Mexico Mobile Home Percentage by County".

**RGIS** Show Map Search: Formats:  Rasters  Vectors  Files  All Clear Search

Your search in: /RGIS/Hazards for any description with a format of all and at location anywhere found 58 results.

- RGIS
  - Agriculture
  - Boundaries
  - Cadastral and PLSS
  - Census and Demography
  - Climate
  - Elevation and Terrain
  - Environment
  - FEMA Risk Map Products
  - Geosciences
  - Hazards**
    - County Warning Areas
    - Earthquakes
    - Hail
    - High Wind
    - Landslide
    - Lightning
    - Mobile Homes
    - Tornado
    - Wildfire
  - Health
  - Imagery
  - Location
  - Public Safety
  - SOS Voting Districts

Brabb et al Landslide data and images - 1	Download +
Brabb et al Landslide data and images - 2	Download +
Lightning Strike Data for New Mexico, 1986	Download +
Lightning Strike Data for New Mexico, 1987	Download +
Lightning Strike Data for New Mexico, 1988	Download +
Lightning Strike Data for New Mexico, 1989	Download +
Lightning Strike Data for New Mexico, 1990	Download +
Lightning Strike Data for New Mexico, 1991	Download +
Lightning Strike Data for New Mexico, 1992	Download +
Lightning Strike Data for New Mexico, 1993	Download +
Lightning Strike Data for New Mexico, 1994	Download +
Lightning Strike Data for New Mexico, 1995	Download +
Lightning Strike Data for New Mexico, 1996	Download +
Lightning Strike Data for New Mexico, 1997	Download +
Lightning Strike Data for New Mexico, 1998	Download +
Lightning Strike Data for New Mexico, 1999	Download +
NM Fire Burn Severity 2012	Download +
New Mexico Mobile Home Percentage by County	Download +
New Mexico Tornado Patterns	Download +
NM Fire Burn Severity 1985	Download +
NM Fire Burn Severity 1986	Download +
NM Fire Burn Severity 1987	Download +
NM Fire Burn Severity 1988	Download +
NM Fire Burn Severity 1989	Download +
NM Fire Burn Severity 1990	Download +
NM Fire Burn Severity 1991	Download +
NM Fire Burn Severity 1992	Download +

# Browse Catalog



# Show Map

The screenshot shows the RGIS web application interface. At the top, there is a search bar with the text "Your search in: /RGIS/Imagery/Digital Orthophotography for any description with a format of all and at location anywhere found 51548 results." Below the search bar is a map of the United States with several blue rectangular overlays indicating search results. On the left side, there is a navigation tree with categories like "Agriculture", "Boundaries", "Cadastral and PLSS", etc., and "Digital Orthophotography" is selected. Below the map, there is a list of search results, each with a small map icon and buttons for "Add to map", "Go to extent", and "Download +". At the bottom of the results list, there is a pagination control with buttons for "First", "Previous", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "Next", and "Last". The "1" button is highlighted, and the entire pagination control is enclosed in an orange rounded rectangle.

Search Result	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography Bernalillo County Mosaic	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography City of Albuquerque Mosaic	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography Kirtland Air Force Base and Sandia National Laboratories Mosaic	Go to extent	Download +	Add to map
MRCOG 2020 Digital Orthophotography Mosaic	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography Sandoval County Mosaic	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography Torrance County Mosaic	Add to map	Go to extent	Download +
MRCOG 2020 Digital Orthophotography Valencia County Mosaic	Add to map	Go to extent	Download +
Bernalillo County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Catron County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Chavez County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Cibola County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Colfax County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Curry County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
De Baca County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Dona Ana County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Eddy County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Grant County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Guadalupe County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Harding County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +
Hidalgo County, 2020 NAIP NC Ortho Mosaic	Add to map	Go to extent	Download +

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Additional pages

# Search RGIS Catalog

## Keywords

The screenshot shows the RGIS search interface. At the top, there is a search bar containing the text "black mesa", which is circled in orange. To the right of the search bar are radio buttons for "Rasters", "Vectors", "Files", and "All", and a "Clear Search" button. Below the search bar, a message reads: "Your search in: /RGIS for 'black mesa' with a format of an and at location anywhere found 26 results."

On the left side, there is a tree view of categories under "RGIS". The "Imagery" category is expanded, showing a list of years from 1988-2001 to 2020, along with "Historic Aerial Photography" and "Satellite Imagery".

The main area displays a map of the Black Mesa region in New Mexico, with a "Spatial Search" box overlaid. Below the map is a table of search results. Each row contains a small grid icon, a description of the imagery, and three buttons: "Add to map", "Go to extent", and "Download +".

	Black Mesa, NE, NM, 2018 NAIP m_3210650_ne_13_060_20190107	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NW, NM, 2018 NAIP m_3210650_nw_13_060_20190107	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SE, NM, 2018 NAIP m_3210650_se_13_060_20190107	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SW, NM, 2018 NAIP m_3210650_sw_13_060_20190107	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NE, NM, 2016 NAIP, m_3210650_ne_13_1_20160528	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NW, NM, 2016 NAIP, m_3210650_nw_13_1_20160528	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SE, NM, 2016 NAIP, m_3210650_se_13_1_20160528	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SW, NM, 2016 NAIP, m_3210650_sw_13_1_20160528	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NM, NE Quarter 32106, 2005, RGB	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NM, NW Quarter 32106, 2005, RGB	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NM, SE Quarter 32106, 2005, RGB	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NM, SW Quarter 32106, 2005, RGB	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NE, NM, 2009 NAIP n_3210650_ne_13_1_20090711	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NW, NM, 2009 NAIP n_3210650_nw_13_1_20090711	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SE, NM, 2009 NAIP n_3210650_se_13_1_20090711	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SW, NM, 2009 NAIP n_3210650_sw_13_1_20090711	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NE, NM, 2011 NAIP m_3210650_ne_13_1_20110521	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, NW, NM, 2011 NAIP m_3210650_nw_13_1_20110521	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SE, NM, 2011 NAIP m_3210650_se_13_1_20110521	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
	Black Mesa, SW, NM, 2011 NAIP m_3210650_sw_13_1_20110521	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>

At the bottom of the results table, there is a pagination control with buttons for "First", "Previous", "1", "2", "Next", and "Last".



# Spatial Search

Click on Spatial Search, draw box, list of data within area of interest

The screenshot displays the RGIS Spatial Search interface. At the top, there is a search bar with the text "Your search in: /RGIS for any description with a format of all and at location anywhere found 89092 results." Below the search bar, a map of New Mexico is shown with a blue rectangular box drawn over the central part of the state, indicating the search area. The "Spatial Search" button in the top left corner of the map area is circled in orange. On the left side, there is a sidebar with a tree view of categories such as Agriculture, Boundaries, Cadastral and PLS, etc. Below the map, a list of search results is displayed, each with a "Go to extent" and "Download" button. The results include various datasets related to broadband areas, address points, and road centerlines in New Mexico.

Search Result	Action 1	Action 2
Underserved Broadband Areas - Nov 2022	Go to extent	Download +
Underserved Broadband Areas With No Prior Awards - Nov 2022	Go to extent	Download +
Underserved Broadband Areas - Nov 2022	Go to extent	Download +
Underserved Broadband Areas with No Prior Awards - Nov 2020	Go to extent	Download +
Underserved and Underserved Broadband Areas - Nov 2022	Go to extent	Download +
Underserved and Underserved Broadband Areas with No Prior Awards - Nov 2022	Go to extent	Download +
New Mexico Address Points - October 2022	Add to map	Go to extent
New Mexico Road Centerlines - October 2022	Add to map	Go to extent
New Mexico Plan Inventory September 2022 Version	Go to extent	Download +
Connect New Mexico Pilot Program Applicant Project Areas	Add to map	Go to extent
New Mexico Incorporated Places October 2022	Add to map	Go to extent
New Mexico Address Points - September 2022	Add to map	Go to extent
New Mexico Road Centerlines - September 2022	Add to map	Go to extent
New Mexico Address Points - August 2022	Add to map	Go to extent
New Mexico Road Centerlines - August 2022	Add to map	Go to extent
BLM NLCS Wilderness Areas	Add to map	Go to extent
BLM New Mexico CADNSDI PLSS Townships	Add to map	Go to extent
BLM New Mexico Surface Ownership March 2022	Add to map	Go to extent
New Mexico CADNSDI PLSS Conflicted Areas	Add to map	Go to extent
New Mexico CADNSDI PLSS First Division (Sections)	Go to extent	Download +

Page navigation: First Previous 1 2 3 4 5 6 7 8 9 10 Next Last

# Spatial Search Results

## Add to Map – Zoom to Extent

rgis.unm.edu/rgis6/

Search:  Taxonomy:  Rasters  Vectors  Files  All

Searching in: /RGIS for any description with a taxonomy of and a location of -107.10571256250002,32.00695811957121,-106.24877896875002,32.55627452582121

Clear Spatial Search

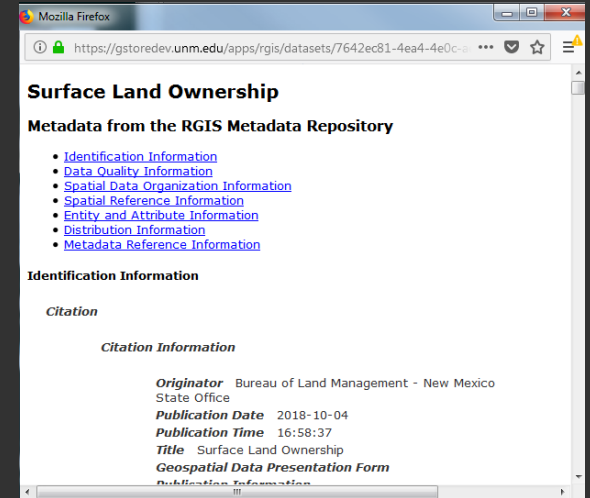
- RGIS
  - Agriculture
  - Boundaries
  - Cadastral and PLSS
  - Census and Demography
  - Climate
  - Elevation and Terrain
  - Imagery
  - Structures
  - Topographic Maps
  - Transportation

Leasburg 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Picacho Mountain 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Afton NW 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Dona Ana 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Black Mesa 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Las Cruces 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Organ Peak NW 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
San Miguel 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Tortugas Mountain 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
NM Leasburg, US Topo 2013	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download -</a>
Download: <a href="#">tif</a>			
Metadata: <a href="#">xml</a> <a href="#">html</a>			
Services: <a href="#">wms</a> <a href="#">wcs</a>			
Last Updated: 20180821			
NM Picacho Mountain, US Topo 2013	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
NM Afton NW, US Topo 2013	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Organ 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Bishop Cap 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>
Organ Peak 7.5 Minute Quad 32106, 10M Enhanced DEM, 2005, DEM GeoTIFF	<a href="#">Add to map</a>	<a href="#">Go to extent</a>	<a href="#">Download +</a>

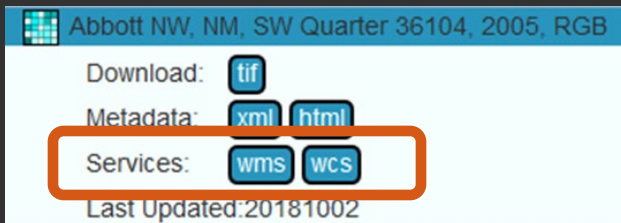
First Previous 1 2 3 4 5 6 7 8 9 10 Next Last

# RGIS

# Metadata



# Download Files



# Services

# RGIS USERS



Rank	Name	# of downloads
#1	New_Mexico_gross_receipts_tax_July_Dec_2021	650
#2	tl_2018_nm_county	630
#3	NM_Surface_Ownership_2021	515
#4	New_Mexico_gross_receipts_tax_Jan_June_2022	493
#5	ortho_1-1_hn_s_nm001_2020_1	350
#6	curryrooseveltbedem	313
#7	nm_relief_color	311
#8	PLSSFirstDivision	304
#9	NM_CadNSDI2_07262019_gdb	278
#10	Geologic_Formations	254

- RGIS Users
- Higher Education
- State & Federal Users
- Industry
- Non-Profits
- Regional & Local Governments
- Tribal Governments

# DATA & IMAGERY

- Boundaries
  - Administrative
    - District Attorney Districts
    - Land Ownership
    - School Districts
  - Economic
    - Gross Receipts Tax
    - Incorporated Places
    - Property Tax Rate Districts
  - Recreation
    - Wilderness Areas
    - Roadless Areas
- PLSS
- FEMA Projects
- Hazards
- Public Safety
  - EOC, Fire Stations, Police Stations
- 911 Program Data
  - Roads & Address Points

# DATA & IMAGERY



- SOS Voting Districts

- Courts
- Education
  - Community College Districts
- Precincts
- House & Senate Districts
- County Commission Districts
- Special Districts
  - Arroyo & Flood Control
  - Conservancy
  - Hospital
  - Water & Sanitation
  - Watershed

- Utilities

- Broadband

- Water

- Acequias
- Watershed boundaries
- Flood Hazard Data

# BUILDING FOOTPRINTS

The screenshot displays the RGIS web application interface. At the top, there is a search bar with the text "Your search in: /RGIS/Structures for any description with a format of all and at location anywhere found 13 results." Below the search bar, a list of folders is shown on the left, with "Structures" highlighted. A large orange arrow points to the "Structures" folder. The main content area displays a list of search results, with "New Mexico Building Footprints" selected. This result shows download options for various formats (shp, gml, kml, geojson, json, csv, xls), metadata options (xml, html), service options (wms, wfs), and share options (Info, E-Mail, Twitter). The last updated date is 20240905. Below this, a list of other search results is shown, each with a "Download +" button.

**RGIS** Show Map Search: \_\_\_\_\_ Formats:  Rasters  Vectors  Files  All

Clear Search

Your search in: /RGIS/Structures for any description with a format of all and at location anywhere found 13 results.

- RGIS
  - Agriculture
  - Boundaries
  - Cadastral and PLSS
  - Census and Demography
  - Climate
  - Elevation and Terrain
  - Environment
  - FEMA Risk Map Products
  - Geosciences
  - Hazards
  - Health
  - Imagery
  - Location
  - Public Safety
  - SOS Voting Districts
  - State Agencies
  - Structures**
  - Topographic Maps
  - Transportation

Item	Action
New Mexico Address Points - October 2024	Download +
New Mexico Address Points - September 2024	Download +
<b>New Mexico Building Footprints</b>	Download -
Download: shp gml kml geojson json csv xls	
Metadata: xml html	
Services: wms wfs	
Share: Info E-Mail Twitter	
Last Updated: 20240905	
New Mexico Building Footprints	Download +
New Mexico Microsoft Computer Building Footprints	Download +
New Mexico Convention Centers	Download +
New Mexico Fred Harvey House Locations	Download +
New Mexico Government or Community Resources	Download +
New Mexico Higher Education Institutions	Download +
New Mexico Major Dams	Download +
New Mexico Museums and Cultural Centers	Download +
New Mexico Public Libraries	Download +
New Mexico Public Schools K-12	Download +

# DATA & IMAGERY

- DOQQs

- 1988-2001

- 2003

- 2004

- 2005

- 2006

- 2009

- 2011

- 2012

- 2013

- 2014

- 2016

- 2017

- 2018

- 2020

- 2022

- 2024 coming soon (NAIP & MRCOG)





# 2022 NAIP COUNTY MOSIACS

The screenshot displays the RGIS web application interface. At the top left is the 'RGIS' logo. To its right is a 'Show Map' button, a search bar, and a 'Formats' section with radio buttons for 'Rasters', 'Vectors', 'Files', and 'All' (which is selected). A 'Clear Search' button is also present. Below the search bar, a message states: 'Your search in: /RGIS/Imagery/Digital Orthophotography/2022/NAIP/County Mosaics for any description with a format of all and at location anywhere found 33 results.'

On the left side, there is a tree view of the file structure. The '2022' folder is expanded, showing a sub-folder named 'County'. The 'County' folder is selected, and its contents are listed in the main table.

File Name	Action
Catron County, 2022 NAIP NC Ortho Mosaic	Download +
Socorro County, 2022 NAIP NC Ortho Mosaic	Download +
Chaves County, 2022 NAIP NC Ortho Mosaic	Download +
Curry County, 2022 NAIP NC Ortho Mosaic	Download +
De Baca County, 2022 NAIP NC Ortho Mosaic	Download +
<b>Dona Ana County, 2022 NAIP NC Ortho Mosaic</b>	Download +
Eddy County, 2022 NAIP NC Ortho Mosaic	Download +
Grant County, 2022 NAIP NC Ortho Mosaic	Download +
Hidalgo County, 2022 NAIP NC Ortho Mosaic	Download +
Lea County, 2022 NAIP NC Ortho Mosaic	Download +
Lincoln County, 2020 NAIP NC Ortho Mosaic	Download +
Los Alamos County, 2022 NAIP NC Ortho Mosaic	Download +
Luna County, 2022 NAIP NC Ortho Mosaic	Download +
Otero County, 2022 NAIP NC Ortho Mosaic	Download +
Roosevelt County, 2022 NAIP NC Ortho Mosaic	Download +
Sierra County, 2022 NAIP NC Ortho Mosaic	Download +
Torrance County, 2020 NAIP NC Ortho Mosaic	Download +
Bernalillo County, 2022 NAIP NC Ortho Mosaic	Download +
Cibola County, 2022 NAIP NC Ortho Mosaic	Download +
Harding County, 2022 NAIP NC Ortho Mosaic	Download +
Quay County, 2022 NAIP NC Ortho Mosaic	Download +
Rio Arriba County, 2022 NAIP NC Ortho Mosaic	Download +
San Juan County, 2022 NAIP NC Ortho Mosaic	Download +
Sandoval County, 2022 NAIP NC Ortho Mosaic	Download +
Union County, 2022 NAIP NC Ortho Mosaic	Download +
Valencia County, 2022 NAIP NC Ortho Mosaic	Download +
Guadalupe County, 2020 NAIP NC Ortho Mosaic	Download +

# NARA HISTORICAL AERIAL PHOTOGRAPHY

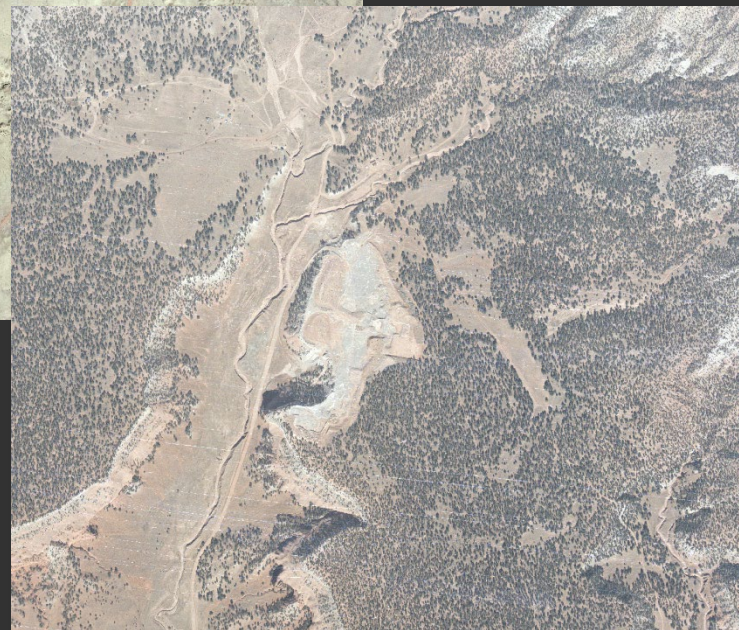
30,000 historical aerial photos scanned, georeferenced, documented, indexed, archived, and web-published



Navajo Mines 1977



San Juan 1976



Grants Mineral Belt 1977

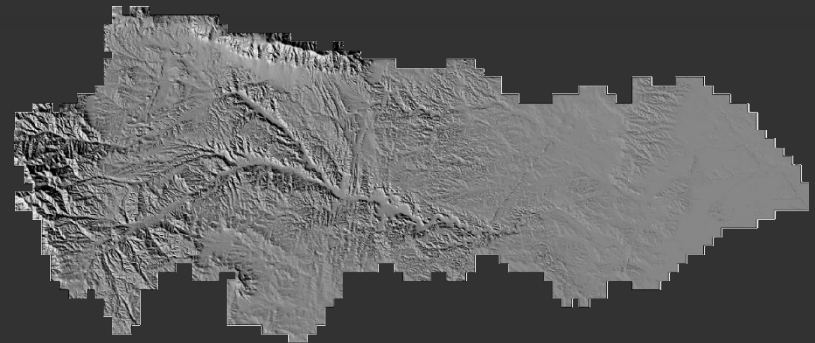
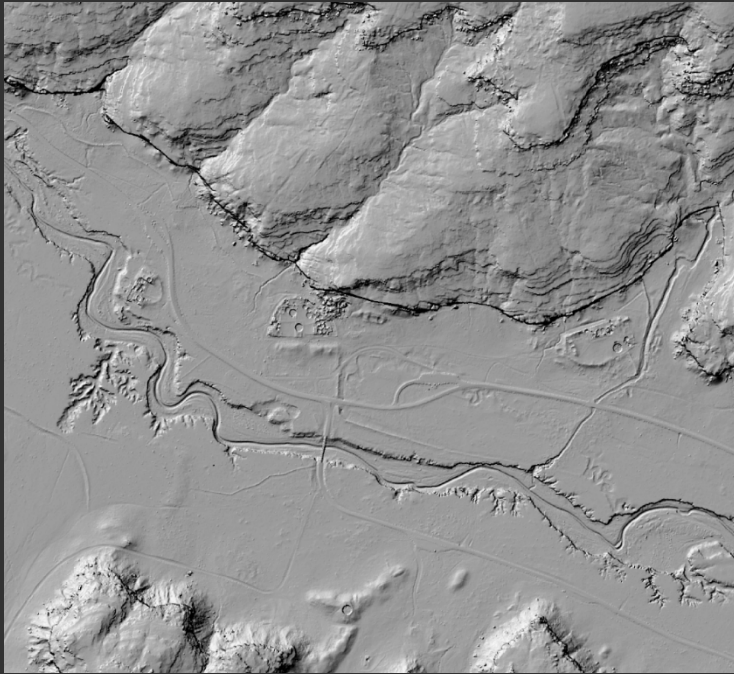
# IMAGE ARCHIVE

- Historic aerial photography archive dating from the mid-1930s that covers New Mexico, portions of Arizona, and Texas.
- U.S. Geological Survey
- Army Map Service
- U.S. Forest Service
  - National Aerial Photography Program
- Soil Conservation Service
- Bureau of Land Management
- Agricultural Stabilization and Conservation Service
- NASA
- and several private firms.
- Pacific Western Technologies
- Thomas R Mann & Associates, Inc.

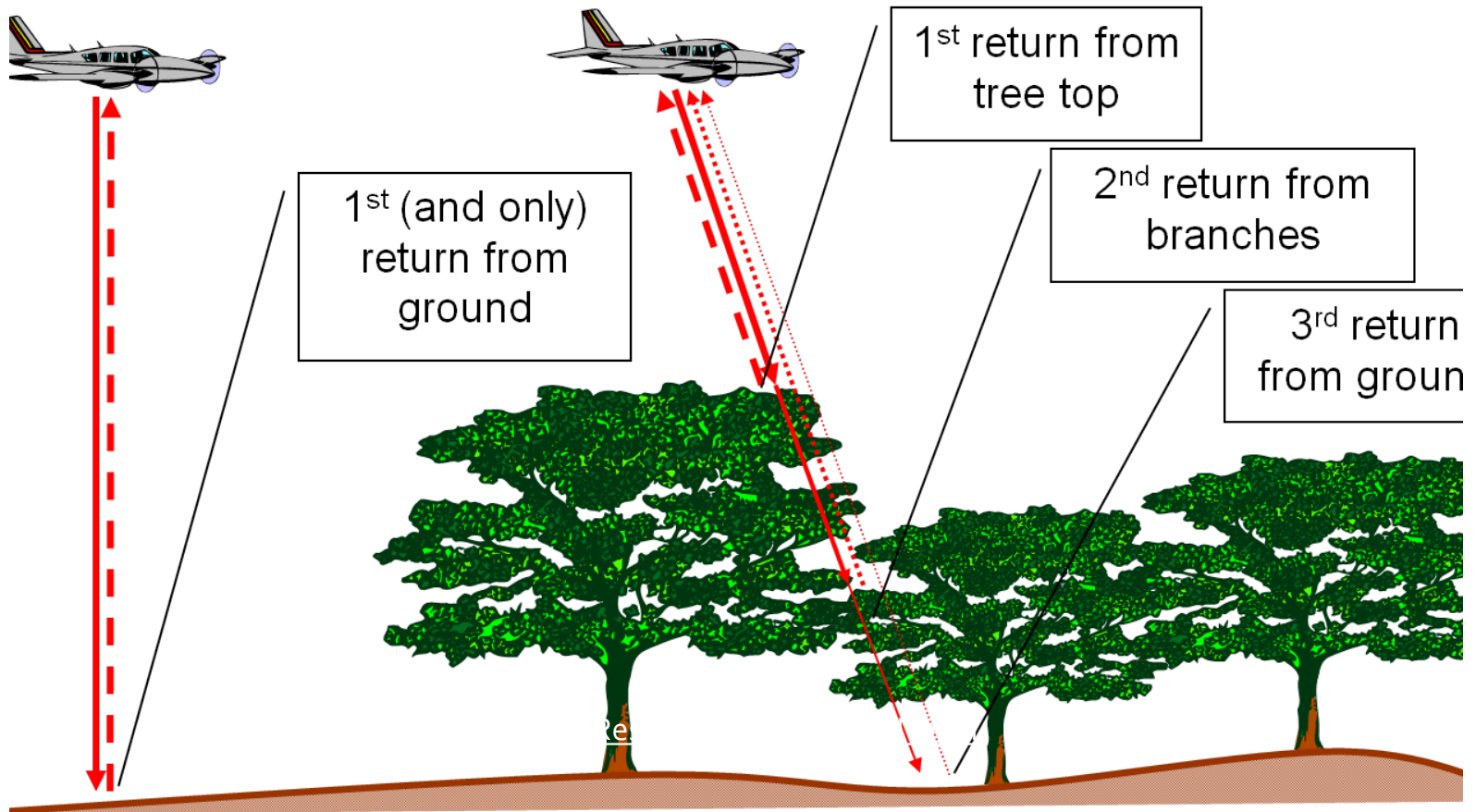
# LIDAR

## Statewide QL2 LiDAR Data

- 10cm vertical accuracy
- DEM 0.5 meter



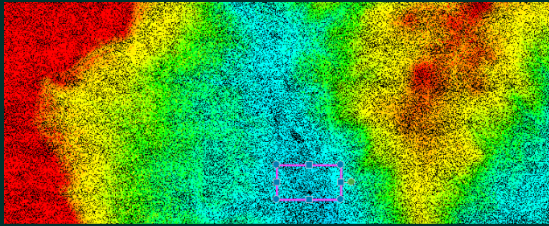
# LIDAR RETURNS



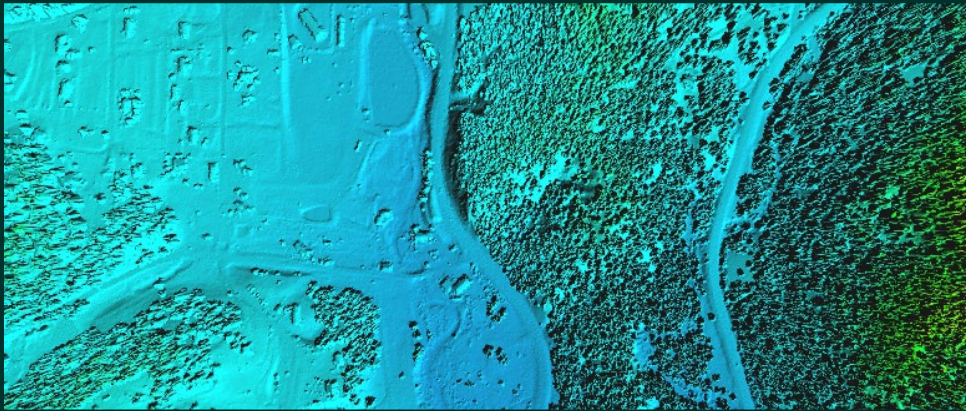
# CURRENT 10 METER DEM VS USGS QL<sub>2</sub> LIDAR



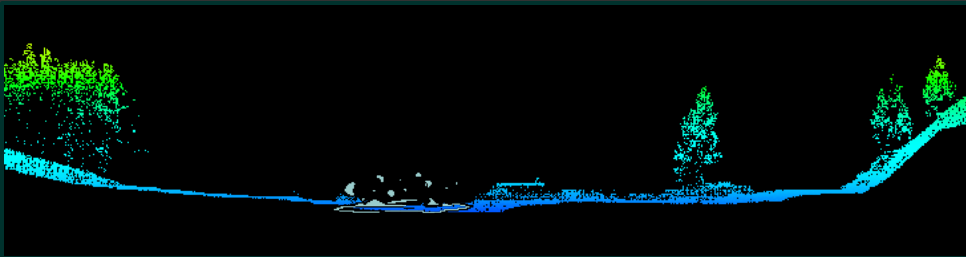
## Basic Lidar Products



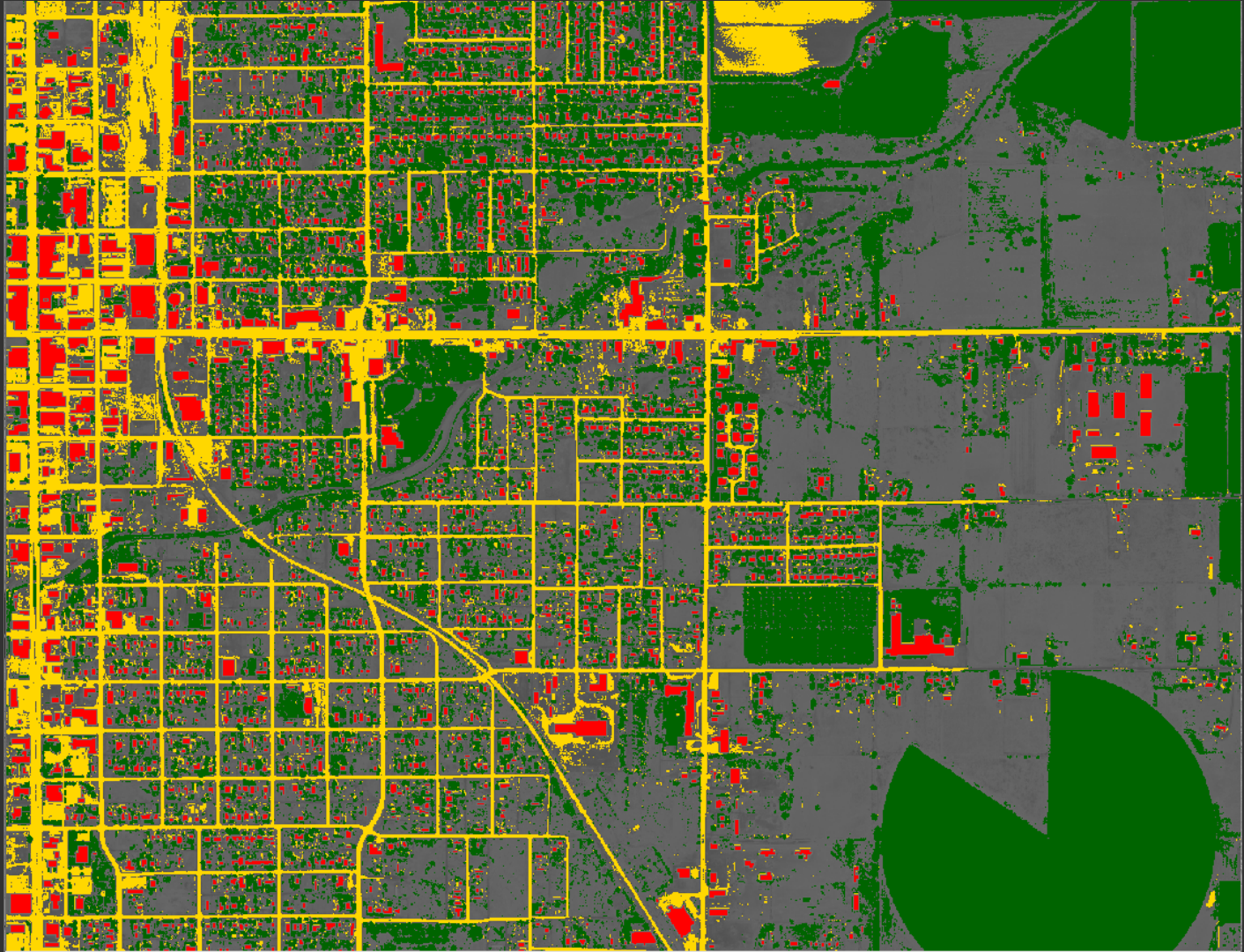
Lidar Point Cloud, Colored by Elevation  
La Cueva Area (Valles Caldera Project, 2010)



Surface Model



Side-View  
Profile



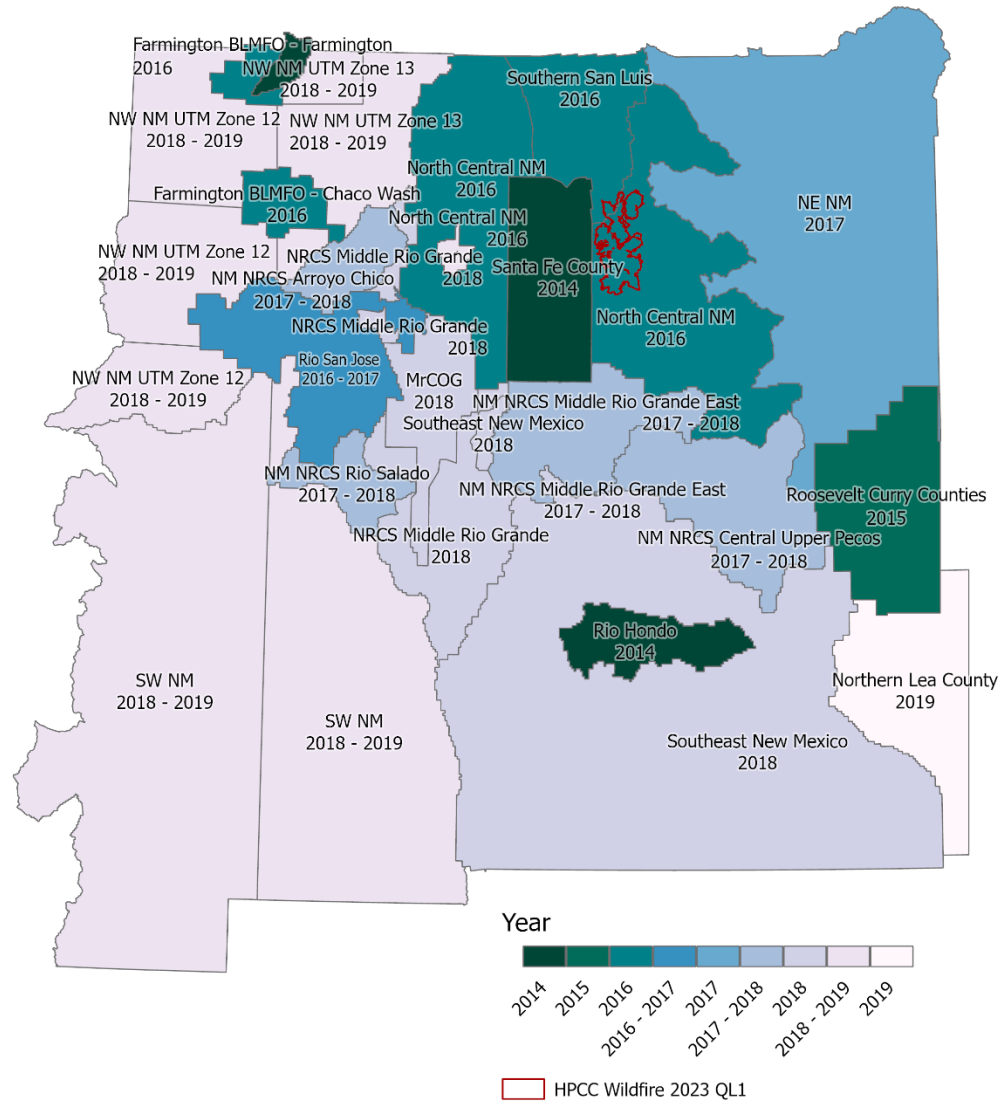


# USGS QUALITY LEVELS

Quality Levels	Data Source	Horizontal Resolution	Vertical Accuracy	
		Point Density	RMSEz in Open Terrain	Equivalent Contour Accuracy
QL 1	LiDAR	8 points/m <sup>2</sup>	9.25 cm	1 foot
QL 2	LiDAR	2 points/m <sup>2</sup>	9.25 cm	1 foot
QL 3	LiDAR	1 – 0.25 points/m <sup>2</sup>	≤18.5 cm	2 feet
QL 4	Imagery/ LiDAR	1 – 0.04 points/m <sup>2</sup>	46.3 – 139 cm	5 – 15 feet
QL 5	Imagery/ IFSAR	0.04 points/m <sup>2</sup>	92.7 – 185 cm	10 – 20 feet

Lidar  
Entire State  
of New Mexico

New Mexico Lidar Project Areas  
and Acquisition Dates



# FEMA PROJECT PLAN INVENTORY

Geography	Plan Name	Source	Entity
	Los Lunas Rail Runner Express Station Area Plan	Village of Los Lunas	Village of Los Lunas
	Los Lunas Route 66 Scenic Byway Corridor Management Plan	Village of Los Lunas	Village of Los Lunas
	Los Lunas Schools Facilities Master Plan	New Mexico Public School Facilities Authority	Los Lunas Schools
	Los Lunas Strategic Tourism Plan	Village of Los Lunas	Village of Los Lunas
	Los Lunas Transportation Center / Station Area Metropolitan Redevelopment Plan	Village of Los Lunas	Village of Los Lunas
	Los Poblanos Fields Open Space Resource Management Plan	City of Albuquerque	City of Albuquerque
	Loving Municipal School District Facilities Master Plan	New Mexico Public School Facilities Authority	Loving Municipal School District
	Lovington Municipal Schools Facilities Master Plan	New Mexico Public School Facilities Authority	Lovington Municipal Schools
	Lower Pecos Valley Regional Water Plan	Office of the State Engineer	Interstate Stream Commission
	Lower Rio Grande Mutual Domestic Water Association 2022 – 2026 Infrastructure	Lower Rio Grande Mutual Domestic Water Association	Lower Rio Grande Mutual Domestic Water Association
	Lower Rio Grande Regional Water Plan	Office of the State Engineer	Interstate Stream Commission
	Luna County Comprehensive Plan	Luna County	Luna County
	Luna County Comprehensive Plan Update	Southwest New Mexico Council of Governments	Luna County
	Magdalena Municipal Schools Facilities Master Plan	New Mexico Public School Facilities Authority	Magdalena Municipal Schools
	MainStreet Roswell Master Plan	MainStreet Roswell	City of Roswell
	Manzano Mountains State Park Management Plan	New Mexico Department of Energy, Minerals, and Natural Resources (EMNRD)	Manzano Mountains State Park
	Mariposa Master Plan	City of Rio Rancho	City of Rio Rancho
	Martineztown / Santa Barbara Sector Development Plan	City of Albuquerque	City of Albuquerque
	McClellan Park Sector Development Plan / Metropolitan Redevelopment Plan	City of Albuquerque	City of Albuquerque
	McGregor Range Resource Management Plan - AMENDMENT	Bureau of Land Management (BLM)	McGregor Range
	McKinley County Comprehensive Plan 2020	McKinley County	McKinley County
	McKinley County, New Mexico Comprehensive Plan Update	McKinley County	McKinley County
	Melrose Municipal School District Facilities Master Plan	New Mexico Public School Facilities Authority	Melrose Municipal School District
	Mesa Vista Consolidated Schools Facilities Master Plan	New Mexico Public School Facilities Authority	Mesa Vista Consolidated Schools
	Middle Rio Grande Conservancy District Drought Contingency Plan	Middle Rio Grande Conservancy District	Middle Rio Grande Conservancy District
	Quail Ranch Specific Area Plan	City of Rio Rancho	City of Rio Rancho
	Quay County 40-Year Water Plan Update	Quay County	Quay County
	Quay County and the City of Tucumcari Hazard Mitigation Plan	Quay County	Quay County
	Quay County Comprehensive Plan, 2018 Update	Quay County	Quay County
	Quemado Independent School District Facilities Master Plan	New Mexico Public School Facilities Authority	Quemado Independent School District
	Questa Independent School District Facilities Master Plan	New Mexico Public School Facilities Authority	Questa Independent School District
	Questa Mine Site Restoration Plan and Environmental Assessment	Office of Natural Resources Trustee	Village of Questa
	Stormwater Management		San Juan

RGIS - <http://rgis.unm.edu/rgis6/> under FEMA Risk Map Products, Plan Inventory

# COORDINATE MITIGATION INVESTMENTS TO REDUCE RISK

- Coordinating Community Mitigation Hazard Analysis Efforts in New Mexico
- Centralized location for information about 'Plans'
  - Climate and Drought Plans
  - Land Use Management Plans
  - Stormwater Drainage Plans
  - Comprehensive Plans
  - Water Assurance Plans
  - Soil Water Conservation District Land Use Plan
  - Water Conservation Plans
  - Economic Development Plans
  - Master Plans
  - Economic Development
  - Other Plans

# GIS.NM.GOV



## New Mexico Geospatial

Geospatial Resources for professionals, data users, and the public.

### Mission

The mission of this "New Mexico Geospatial" web forum is to foster collaboration, innovation, and knowledge-sharing among individuals and organizations involved in Geographic Information Systems (GIS) in the state of New Mexico. We aim to promote the effective and efficient use of GIS and technology to address the diverse needs of our communities, including government agencies, businesses, non-profit organizations, and the general public. By centralizing access to information and expanding awareness, we strive to enhance the understanding and application of GIS to support informed decision-making, sustainable development, and the overall well-being of New Mexico. [read more...](#)



#### Communities

Assemblages of people & content who share a common geospatial interest, goal, or vision and who need a forum for collaboration and awareness.



#### Data

References to all geospatial data resources in New Mexico, including the state data clearinghouse, hosted data services and APIs.



#### Organizations

Geospatial organizations who already have an established presence and are important to the geospatial community in NM.



#### Resources

Resources which are important for geospatial professionals operating in NM, such as legislation, standards and guidelines, data use agreements, and use cases.

[Back to Top](#)

# GIS.NM.GOV



## News & Events

- **NEWS:** NAIP will be collected in NM in 2024, but we learned it's only at 60cm, unless the state can assemble \$350K to upgrade that to 30cm. Flights begin in May.
- **MEETINGS:** 3DHP FTN Info Forum: Washington State Piloting 3DHP and Measuring Success. [Learn More](#).
- **EVENTS:** Sub-Committee meeting on 1/1/2000. Join online at [INSERT MEETING LINK HERE](#)

## Community Highlights

### GRANTS

- The USGS National Geospatial Program (NGP) collaborates with a wide range of stakeholders to share costs of topographic data acquisition in support of collective mission and business requirements. <https://www.usgs.gov/programs/national-geospatial-program/data-collaboration-announcement-portal>

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## Data



Boundaries



Energy & Industry



Environment



Geosciences



Health & Safety



Transportation



Water

[View All Data](#)


# COMMUNITIES

Home Communities Data Organizations Resources

## New Mexico Geospatial Communities

Where shared interests come to collaborate and problem-solve.


[NM Geospatial](#) > [Communities](#)



### Spatial Data Acquisition

LIDAR, Orthoimagery, Obliques, Leaf-On, Leaf-Off

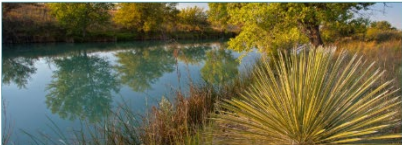
[View Community](#)



### Geospatial Advisory Committee


Guides and enhance the use of geospatial information systems & technologies in state government

[View Community](#)



### Hydrography


The Hydrography Sub-Committee is focused on various topics including the USGS 3D Hydrography Program in New Mexico.



### UAS/UAV

Unmanned Aircraft Systems (UAS) have become increasingly popular and essential in infrastructure management, environmental monitoring, and so on.

# COMMUNITIES

 [Data Acquisition](#) [Home](#) [Communities](#) [Data](#) [Organizations](#) [Resources](#)

## Statewide Spatial Data Acquisition

LiDAR, Orthoimagery, Obliques, Leaf-On, Leaf-Off

[NM Geospatial](#) > [Communities](#) > [Spatial Data Acquisition](#)

### Overview

The Spatial Data Acquisition Sub-Committee collaborates with national, state, and local entities to identify spatial data that is foundational to core business functions shared by many in order to optimize the acquisition of those data. Multiple initiatives over the years have involved collaboration among geospatial professionals in order to acquire large-extent, expensive data by pooling resources. For example, in 2003, Governor Richardson [read more...](#)

[Join Community](#) [Community QR Code](#)

### Hot Topics

- **NEWS:** NAIP will be collected in NM in 2024, but we learned it's only at 60cm, unless the state can assemble \$350K to upgrade that to 30cm. Flights begin in May.
- **MEETINGS:** 3DHP FTN Info Forum: Washington State Piloting 3DHP and Measuring Success. [Learn More.](#)





# NEW MEXICO COMMUNITY FLOODING DATABASE

Collect photos and/or videos  
showing flooding in the State  
of New Mexico

# SURVEY



## New Mexico Community Flooding Database Data Form

This form collects photos and/or videos showing flooding in the State of New Mexico. The results are displayed in the [New Mexico Community Flooding Database Map](#).

This form allows you to upload up to 10 photos and/or up to 5 videos of any \*one\* location. To submit photos/videos from different locations, please fill a new form (one form per location).

This form is for data collection only, and should not be used to seek help in real-time emergencies. For emergencies, call 911.

Please stay safe! Only take a photo/video and fill this form if it is safe to do so.

To fill out the form in Spanish, click "English-US" at the top left side and select "Español-México".

If you have further information about the content you are submitting, please send an email to [nmfood@edac.unm.edu](mailto:nmfood@edac.unm.edu).

Thank you for participating in this survey, and remember:  
When Flooded, Turn Around, Don't Drown.

### Upload Photos

Upload a maximum of 10 photos from one location. To submit photos of other locations, submit a new form per location.

1 Drop image here or select image (number of files allowed: 1 - 10) 

### Upload Videos

Upload a maximum of 5 videos from one location. To submit videos of other locations, submit a new form per location.

1 Drop file here or select file (avi, mov, mp4, mpe, mpeg, mpg, mpv2, qt, wmv).  
Number of files allowed: 1 - 5

### Title of the Photos and/or Videos\*

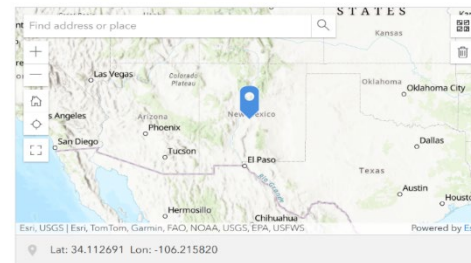
Provide a short, meaningful title. (e.g. Street flooding on Claremont Avenue NE)

### Place or City Name\*

Provide the place or city name where the photos/videos were taken. (e.g. Hobbs, NM; Central Ave, Albuquerque)

### Location of Photos/Videos\*

Mark the location where the photos/videos was taken. Use the search box to find an address or place, and move the marker by clicking on the location. You can also click the "Current Location" button to allow the map to find your current location.



### Description

Provide a brief description of what the photos/videos show. (Optional)

<https://tinyurl.com/ms8knjhh>

# ENCUESTA EN ESPAÑOL



Spanish-Mexico

English-US  
Español-México

## Para Base de Datos de Inundaciones Comunitarias en...

Esta encuesta recopila fotos y/o videos que eventos de inundación en el Estado de Nuevo México. Los resultados se muestran en el [mapa de la Base de Datos de Inundaciones Comunitarias en Nuevo México](#).

Este formulario le permite subir hasta 10 fotos y/o hasta 5 videos de "una" locación. Para enviar fotos/videos de diferentes locaciones, complete un nuevo formulario (un formulario por locación).

Este formulario es únicamente para la recopilación de datos y no debe utilizarse para buscar ayuda en caso de emergencias en tiempo real. Para emergencias, llame al 911.

¡Por favor mantengase seguro! Solo tome fotos/videos y complete este formulario si es seguro hacerlo.


Para llenar este formulario en Español, haga click en "English-US" arriba a la izquierda, y seleccione "Español-México".

Si tiene más información sobre el contenido que está enviando, escriba un correo electrónico a [nmflood@edac.unm.edu](mailto:nmflood@edac.unm.edu).

Gracias por participar en esta encuesta, y recuerde:  
Cuando Haya Inundación, De La Vuelta, No Se Ahogue.

### Subir Fotos

Suba un máximo de 10 fotos de una locación. Para subir fotos tomadas en otros lugares, someta una nueva encuesta por cada locación.

1 Soltar image aquí o seleccionar image (número de archivos permitidos: 1 - 10) 

### Subir Video

Suba un máximo de 5 videos de una locación. Para subir videos tomadas en otros lugares, someta una nueva encuesta por cada locación.

1 Soltar archivo aquí o seleccionar archivo (avi, mov, mp4, mpe, mpeg, mpg, mpv2, qt, wmv. Número de archivos permitidos: 1 - 5)

### Título de las Fotos y/o Videos\*

Proporcione un título corto y significativo. (por ejemplo: inundación en la Avenida Claremont NE)

# FLOODING WEB-APP



Help Community Flooding Database

Crowd-sourced Flooding Locatio...

Find address or place

The screenshot shows a web application interface for a "Community Flooding Database". On the left, there is a vertical sidebar with a "Crowd-sourced Flooding Locatio..." header and a grid of video thumbnails. The top thumbnail shows a flooded river, while others are black with video camera icons. The main area is a map of New Mexico and surrounding regions, with several red dots indicating flooding locations. The map includes labels for cities like Albuquerque, Santa Fe, and Las Cruces, as well as geographical features like the Colorado Plateau and Sacramento Mountains. A search bar at the top of the map area contains the text "Find address or place".

<https://tinyurl.com/zjdupaev>

# USER GUIDE



## New Mexico Community Flooding Database Survey User Guide

Community Flooding Database

© Crowdsourced Flooding Locatio...

Find address or place

Community Flooding Database

© Crowdsourced Flooding Locatio...

Introduction

La Encuesta de la Base de Datos de Inundaciones Comunitarias de Nuevo México es un proyecto especial de la Región 6 de FEMA. Está diseñado para crear una ubicación centralizada para fotografías y videos de las inundaciones en Nuevo México. Las fotografías y los videos suelen ser seleccionados por administradores y funcionarios locales de las llanuras aluviales, sin ningún método de acceso o distribución pública. El acceso a fotografías y videos de inundaciones en Nuevo México ayudará a comunicar el riesgo de inundación al público, así como ayudar con la validación de modelos hidráulicos (particularmente en áreas sin medidores de arroyos). El objetivo de diseñar esta aplicación de mapeo web y base de datos era permitir una fácil carga y descarga de fotografías y videos. Si necesita ayuda, envíe un correo electrónico a [gmflood@edac.unm.edu](mailto:gmflood@edac.unm.edu).

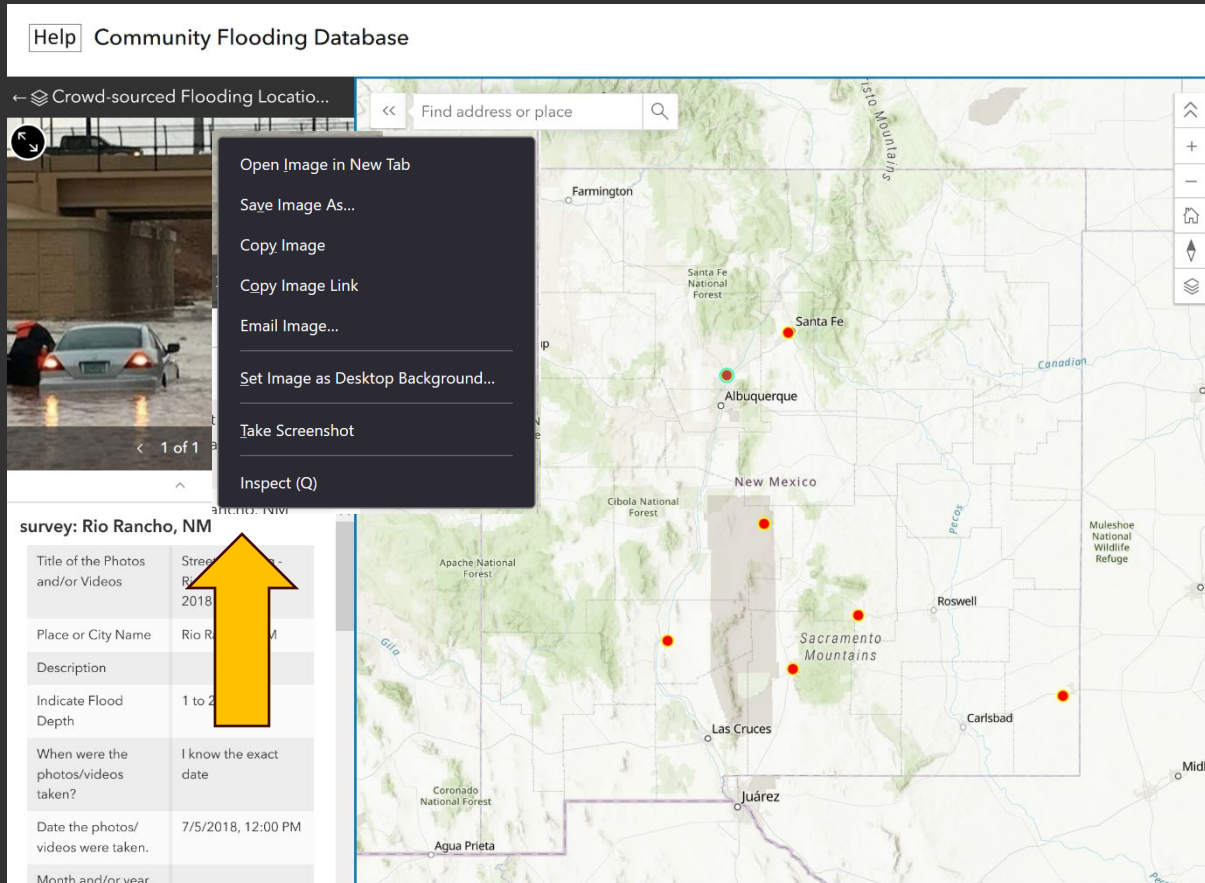
**Spanish User Guide**

**EDAC** EARTH DATA ANALYSIS CENTER

# DOWNLOADING PHOTOS/VIDEOS

Help Community Flooding Database

Crowd-sourced Flooding Location... Find address or place



- Open Image in New Tab
- Save Image As...
- Copy Image
- Copy Image Link
- Email Image...
- Set Image as Desktop Background...
- Take Screenshot
- Inspect (Q)

survey: Rio Rancho, NM

Title of the Photos and/or Videos	Street View - Rio Rancho, NM - 2018
Place or City Name	Rio Rancho, NM
Description	
Indicate Flood Depth	1 to 2
When were the photos/videos taken?	I know the exact date
Date the photos/videos were taken.	7/5/2018, 12:00 PM
Month and/or year	

# GOT PHOTOS??



<https://tinyurl.com/ms8knjhh>

# DATA NEEDS/REQUESTS

- What data do you need that is not available?



# QUESTIONS – RGIS.UNM.EDU/RGIS6



Shawn L. Penman, Ph.D., CFM, GISP

RGIS Clearinghouse Manager  
Earth Data Analysis Center

505-277-3622 ext. 227

[spenman@edac.unm.edu](mailto:spenman@edac.unm.edu)

[clearinghouse@edac.unm.edu](mailto:clearinghouse@edac.unm.edu)



THE UNIVERSITY OF  
NEW MEXICO