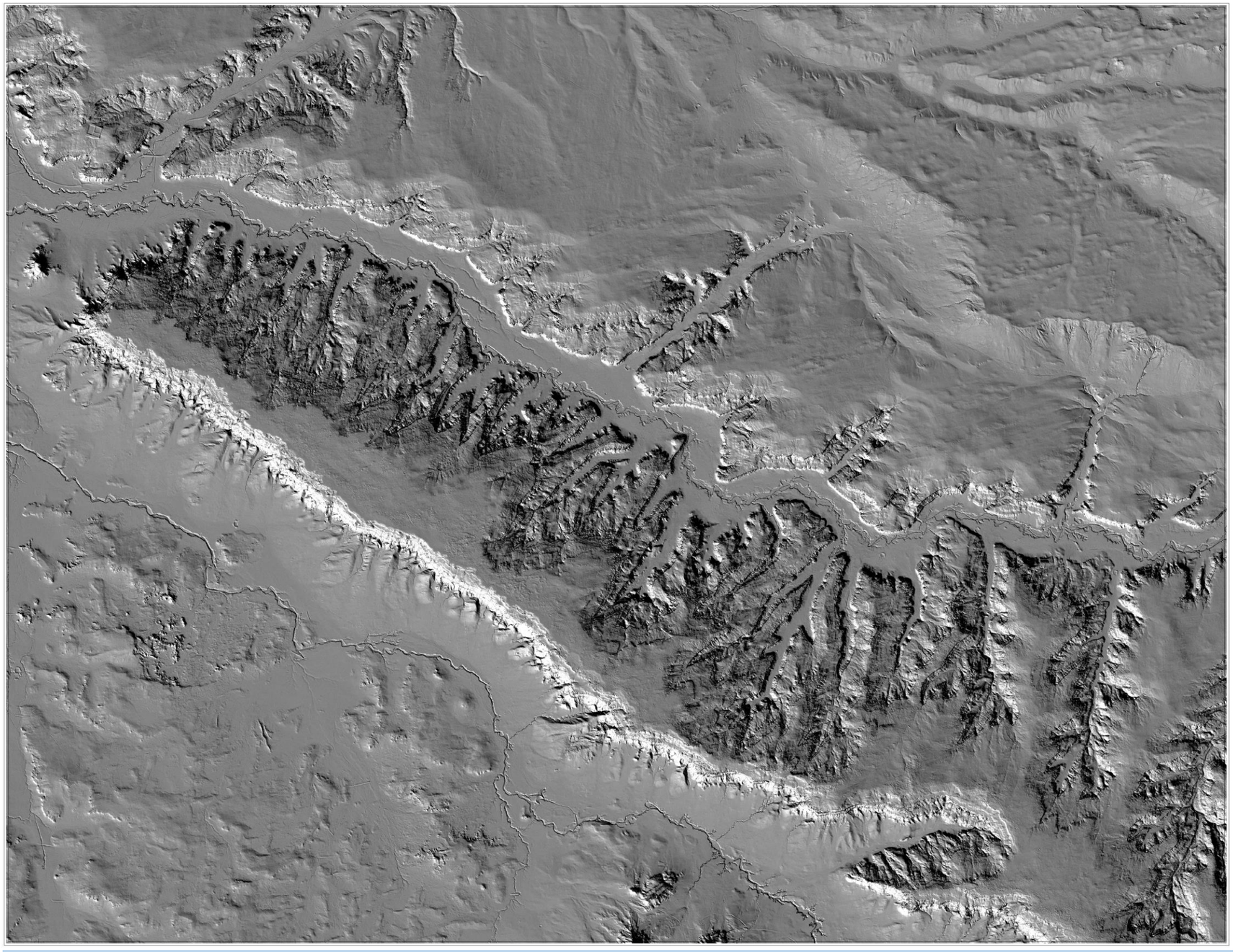


FEMA

RiskMAP

Increasing Resilience Together

EDAC | EARTH DATA ANALYSIS CENTER

New Mexico Multi-Hazard Risk Portfolio

Cover image Chaco Wash landslide scarp shaded relief generated from 2016 BLM Lidar collection.

Earth Data Analysis Center would like to acknowledge Ryan McDaniel with the Idaho Bureau of Homeland Security for his guidance in producing this Multi-Hazard Risk Portfolio. The Idaho Flood and Seismic Risk Portfolio, which inspired this project, is available online at https://ioem.idaho.gov/Pages/Plans/RiskMap/IMHRP2015_FINAL_DRAFT.pdf. The Earth Data Analysis Center would like to recognize Mike Camponovo who initiated the Multi-Hazard Risk Portfolio program for the state of New Mexico in 2015 and contributed valuable insight to the program.

Numerous state, federal, and local partners provided valuable data, insight, and support in order to complete this project. The Earth Data Analysis Center would like to especially mention the contributions of the New Mexico Silver Jackets members including the NM Department of Homeland Security and Emergency Management, The US Army Corp of Engineers Albuquerque District, The National Weather Service Albuquerque Office, The NM State Forestry Department, FEMA Region VI, and The Nature Conservancy. Many local officials took time out of their schedule to complete our Flood Risk Survey. Those individuals and their communities are listed in the Acknowledgements section of this report.

This project was supported financially by FEMA Region VI as part of the Cooperating Technical Partnership (CTP) through the Risk Mapping, Assessment, and Planning (Risk MAP) program.

Report date September 30, 2018

FEMA

EDAC | EARTH DATA ANALYSIS CENTER

SILVER JACKETS

DHSEM New Mexico

RiskMAP
Increasing Resilience Together

Table of Contents

Figures and Tables

Figures

Tables

Introduction

Natural disasters have a substantial impact on New Mexico. Flooding, wildfires, landslides, high winds, thunderstorms, and other hazards impact homes, businesses, and infrastructure across the State. In addition to causing damage to physical structures, they also disrupt lives and cause stress as people and businesses try to recover. The New Mexico Multi-Hazard Risk Portfolio (MHRP) consists of interactive maps, geospatial data, and a desk reference presenting a geospatial hazard risk inventory for New Mexico. This multi-year program will focus on a different hazard each year in order to provide a comprehensive view of natural hazard risk for the State. To learn more about natural hazards in the State, refer to the New Mexico Hazard Mitigation Plan.

As the costliest and most damaging disaster category in New Mexico, the first version of the MHRP focused on flood risk. Flooding impacts all communities within New Mexico and can be caused by riverine flooding, high intensity monsoon rains, rain on snow events, ice dams, sheet flow over flat surfaces, or even dam failures. The second version focused on wildfire risk which can also contribute to increased flooding post-wildfire due to increased runoff. The third version focuses on landslide risk.

MHRP Format

The MHRP is designed to provide a state level or regional level of risk assessment in order to better plan long term projects to mitigate the impacts of natural hazards. The majority of this desk reference contains high level descriptions of each of the 85 watersheds that intersect New Mexico. The first edition of the New Mexico MHRP was devoted to flood risk in New Mexico. As part of the analysis of flood risk and in an effort to collect and present local data as well, in 2015 a 16 question survey was mailed to each community and county with jurisdictional authority in New Mexico. The flood risk methodology and statewide results as well as the survey results are provided in Appendix A. The watershed maps presenting flood risk are included next to the wildfire risk maps in the following pages.

Where to Learn More

The New Mexico State Forestry is a part of the New Mexico Department of Energy, Minerals and Natural Resources Department and is responsible for wildfire suppression on all non-federal, non-municipal, non-tribal, and non-pueblo lands. They also partner with many organizations around the state to undertake mitigation projects to protect vulnerable regions from natural hazards. They offer technical management advice, including tree care and pest identification and for private landowners. The State Forestry division also provides vital engagement through the Returning Heroes Wildland Firefighter program for veterans, Urban and Community Forestry, Conservation Seedlings, and the state's many Firewise communities. The Community Wildfire Protection Plans for New Mexico communities can be found on the State Forestry website (http://www.emnrd.state.nm.us/SFD/FireMgt/Fire.html).

The best source of information about flood risk in your community is your local floodplain administrator. If you do not know who your local floodplain administrator is, contact the New Mexico Floodplain Managers Association and they will help you identify your local official. Questions related to hazard mitigation grants, the National Flood Insurance Program, or other state or regional natural disaster information can be obtained from the New Mexico Department of Homeland Security and Emergency Management. New Mexico is part of FEMA Region VI. The region provides information related to the Community Rating System, the National Flood Insurance Program, and Flood Insurance Rate Maps. Long term plans for flood risk reduction in New Mexico are coordinated through a partnership with federal, local, and state agencies through the US Army Corp of Engineers' Silver Jackets Program. The geospatial data and maps presented in this desk reference as well as the interactive maps online were collected and created by the Earth Data Analysis Center(EDAC) at the University of New Mexico (UNM) as part of the FEMA Cooperating Technical Partners program and funded by the FEMA Risk Mapping, Assessment, and Planning Program.

Contact Information and Websites

New Mexico Floodplain Managers Association
http://www.nmfma.org/
nmcfm@cableone.net

New Mexico State Forest, New Mexico Energy, Minerals and Natural Resources Department
Susan Rich, Forest and Watershed Health Coordinator, Susan.Rich@state.nm.us

New Mexico Bureau of Geology & Mineral Resources
https://geoinfo.nmt.edu/

New Mexico Department of Homeland Security and Emergency Management
http://www.nmdhsem.org/
Wendy Blackwell, State Hazard Mitigation Officer, wendy.blackwell@state.nm.us
Veronica Chavez, Floodplain Coordinator, VeronicaE.Chavez@state.nm.us

New Mexico Forest and Watershed Restoration Institute (NMFWRI), New Mexico Highlands University
Dr. Kent Reid, Director, rkreid@nmhu.edu

FEMA Region VI
https://www.fema.gov/region-vi-arkansas-louisiana-new-mexico-oklahoma-texas
Jerry Clark, New Mexico Program Officer, jerry.clark@fema.dhs.gov

Silver Jackets
http://www.spa.usace.army.mil/
Stephen Scissons, Hydrology and Hydraulics Section Chief, Stephen.K.Scissons@usace.army.mil

Earth Data Analysis Center, UNM
http://edac.unm.edu/
Shawn L. Penman, PhD, CFM, GIS Specialist, spenman@edac.unm.edu

Figure 1 – This map shows the 85 different HUC-8 watersheds in New Mexico.

New Mexico Overview

Flood risk data collection and flood risk analysis are conducted at a watershed level in New Mexico rather than political or administrative boundaries such as counties. This is because changes to upstream sections of a watershed influence the people, businesses, and essential facilities located downstream regardless if they are in the same county or state. The recent Gold King Mine spill near Silverton, Colorado is unfortunately a perfect example of this. Despite the spill happening in Colorado, communities along the Animas and San Juan Rivers in Northwestern New Mexico were affected. Watersheds come in various sizes depending on their drainage area and are organized into a hierarchical system by the United States Geologic Survey (USGS). In this report, the generic term watershed equates to the USGS Hydrologic Unit Code 8 (HUC-8) Subbasin category (Table 1). Watersheds become smaller as the HUC number increases. Watershed data is available from the USGS National Hydrography Dataset.

Table 1 – USGS Hydrologic Unit Codes.

USGS Hydrologic Unit Codes		
Name	Level	Digits
Region	1	2
Subregion	2	4
Basin	3	6
Subbasin	4	8
Watershed	5	10
Subwatershed	6	12

New Mexico is comprised of part or all of 85 different HUC-8 watersheds (Figure 1). Of the 85 HUC-8 watersheds that intersect New Mexico, 33 are completely within the state and 52 are partially in the state. Of those that are only partially within New Mexico, 5 have very little (less than 10 square miles) of their area within the state. Within New Mexico, the watersheds cover areas from less than 1 square mile to nearly 6,600 square miles.

The needs of the communities within each of New Mexico's watersheds varies greatly in terms of flood and wildfire risk data and risk analysis as a result of New Mexico's varied topography, climate, and population (Figure 2). With elevations ranging from 2,800 feet to more than 13,000 feet, watersheds can have significant topographic relief. The flood and wildfire risk needs of mountain towns can be substantially different from those in the Eastern Plains. Changes in latitude and elevation also have a noteworthy impact on New Mexico's climate. For instance, parts of New Mexico may receive more than 20" of rain in a year while others will receive less than 10". For areas that normally receive lower rainfall amounts, summer monsoon events can result in serious flooding. Climate and elevation combine to affect vegetation patterns across the state. Parts of New Mexico fall within the Chihuahuan Desert consisting of yucca, creosote, and mesquite while other areas fall within the Sangre de Cristo Mountains with oak, aspen, and spruce. If forest vegetation is destroyed due to wildfires, monsoon rain events falling on those burn scars can cause catastrophic damage downstream. Within New Mexico's watersheds the population can vary from fewer than 50 people to more than 800,000. While more people increase the need to develop in at-risk areas of a watershed, they also provide more resources that can support dedicated floodplain management staff and the acquisition and production of flood risk data and analysis.

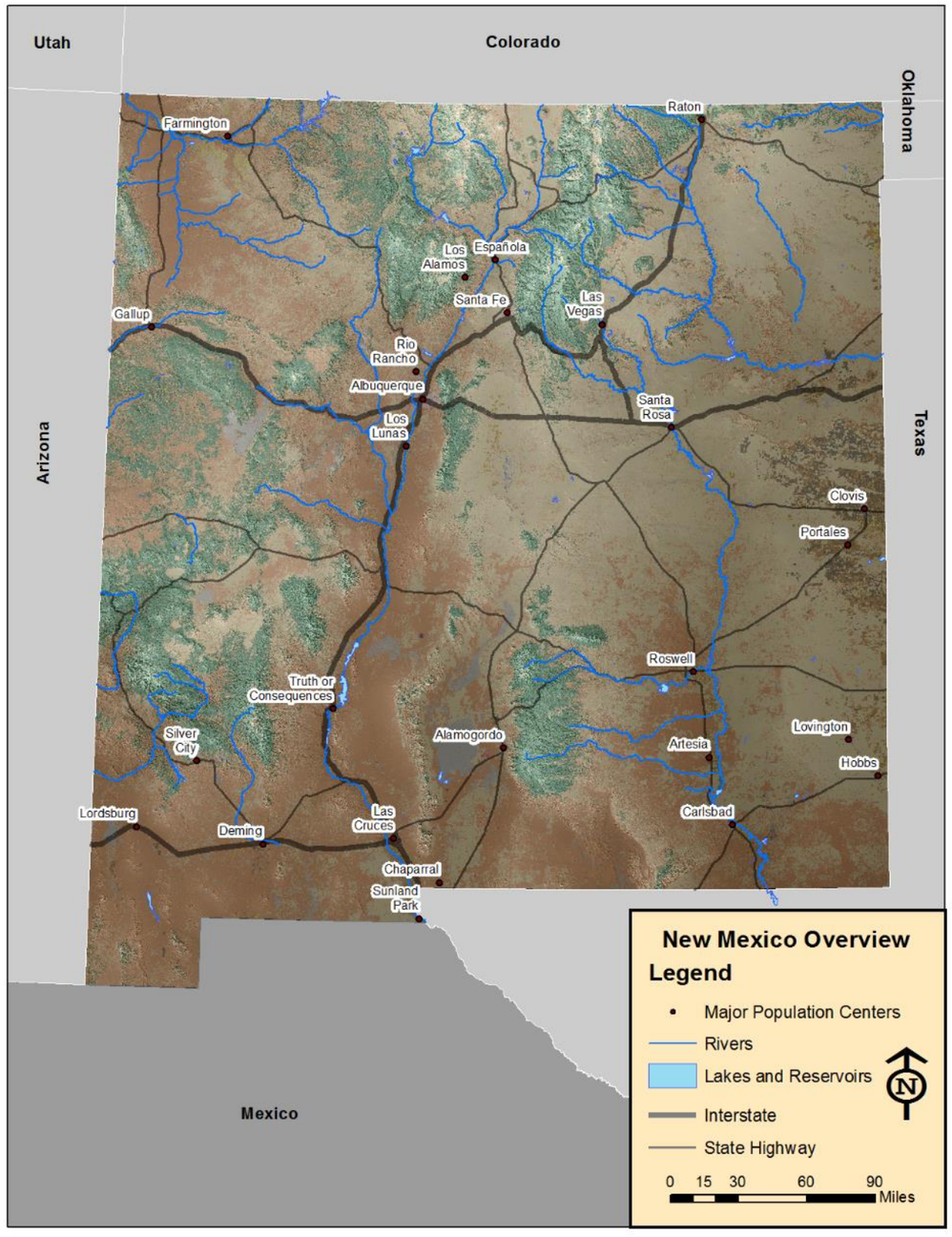


Figure 2 – The locations of major population centers in New Mexico.

Flood Risk Results & Survey Results

Flood Risk in New Mexico

Since 1953 there have been 18 federally declared flood related disasters. The federal government has allocated $338,252,488 to flooding related disasters within New Mexico since 2000. Please note that these figures do not include the local or state match this is often required to utilize these funds. See Table 2. To view an interactive graphic and map of the disasters listed below, visit the FEMA Data Visualization and Disaster Declarations for States and Counties website. To obtain detailed information about a single event visit the FEMA Disaster Declarations website.

Table 2 – Federal Disaster Declarations (2000-2015) related to flooding.

Disaster	Year	Total
DR-4199	2014	$ 12,383,118.64
DR-4197	2014	$ 12,041,151.92
DR-4152	2013	$ 84,914,591.30
DR-4148	2013	$ 11,584,570.46
DR-4079	2012	$ 36,001,035.10
DR-4047	2011	$ 39,807,181.48
DR-1936	2010	$ 22,490,771.14
DR-1783	2008	$ 23,445,346.56
DR-1659	2006	$ 68,897,483.41
DR-1514	2004	$ 8,928,659.39
DR-4151	2013	$ 17,618,439.04
DR-4147	2013	$ 140,139.70
Total		**$ 338,252,488.14**

In addition to the economic toll, floods have resulted in the loss of 64 lives and 78 serious injuries in New Mexico. Most of the fatalities occurred in a motor vehicle. See Figure 3. In an attempt to reduce the number of automobile related fatalities, injuries, and rescues, New Mexico has recently begun the identification and installation of "When Flooded Turn Around Don't Drown" signs at low water crossings to identify hazardous road crossings. Visit the New Mexico Turn Around Don't Drown Website for more information.

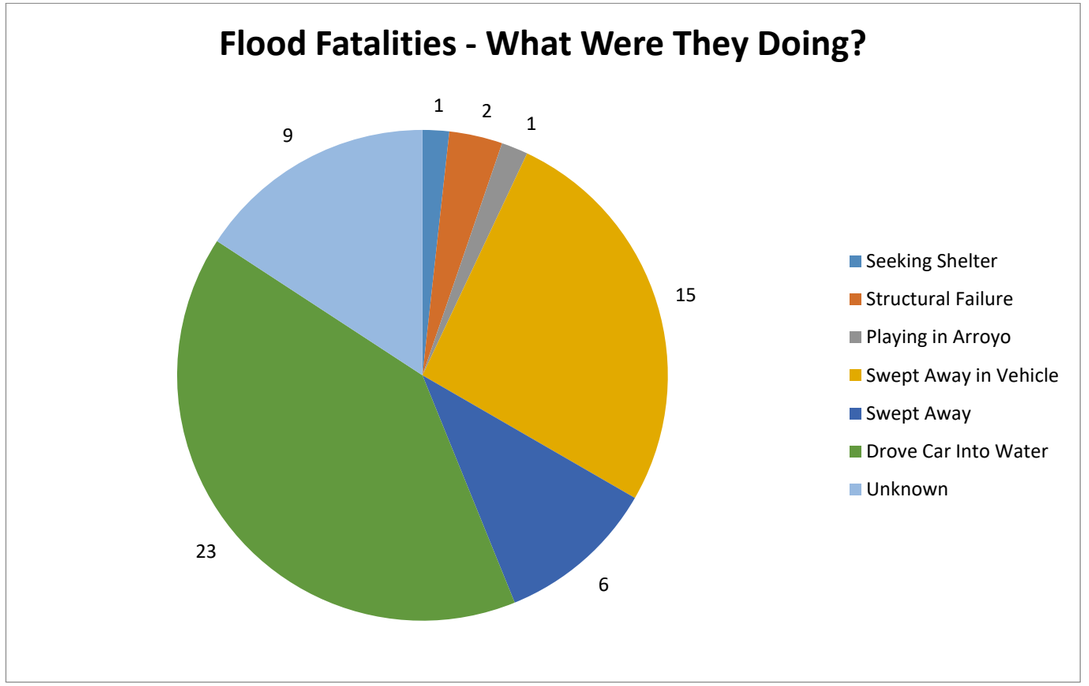


Figure 1 – Pie chart showing the locations where and how the flood related fatalities occurred.

Flood Data in New Mexico

In 2015 the last two counties with preliminary DFIRM maps, Dona Ana and Socorro, became final. Figure 4 below shows the updated map of FEMA floodplain mapping. Watersheds with fewer people are less likely to have FEMA designated floodplains (Flood Insurance Rate Map (FIRM) data) which help guide development in and around the

floodplain and utilize advanced geospatial technology. Counties with fewer people are more likely to have FEMA

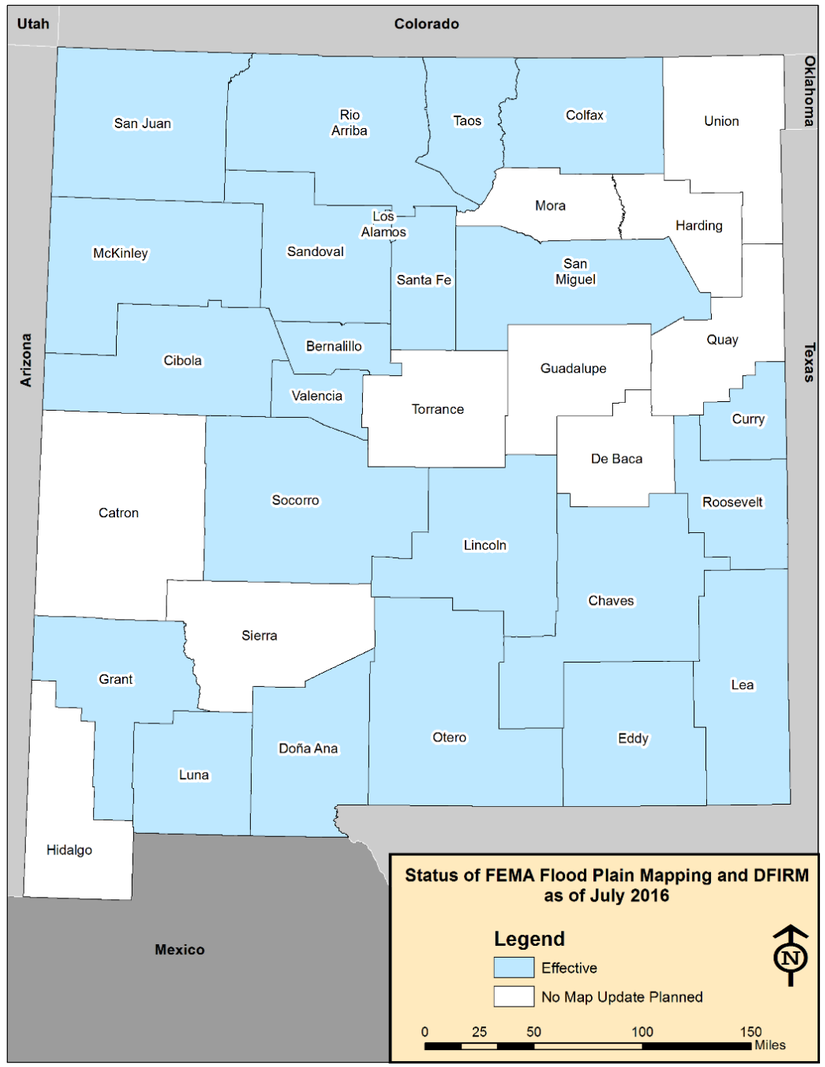


Figure 4 – DFIRM Status in each of the counties in New Mexico.

Flood Hazard Boundary Maps (FHBM) which were created without hydrologic and hydraulic modelling. These maps are often decades old and do not reflect changes in development or risk within a community. In some cases, the FHBM data only cover a small percentage of a county. Some counties in New Mexico lack both FIRM and FHBM data. See Figure 5.

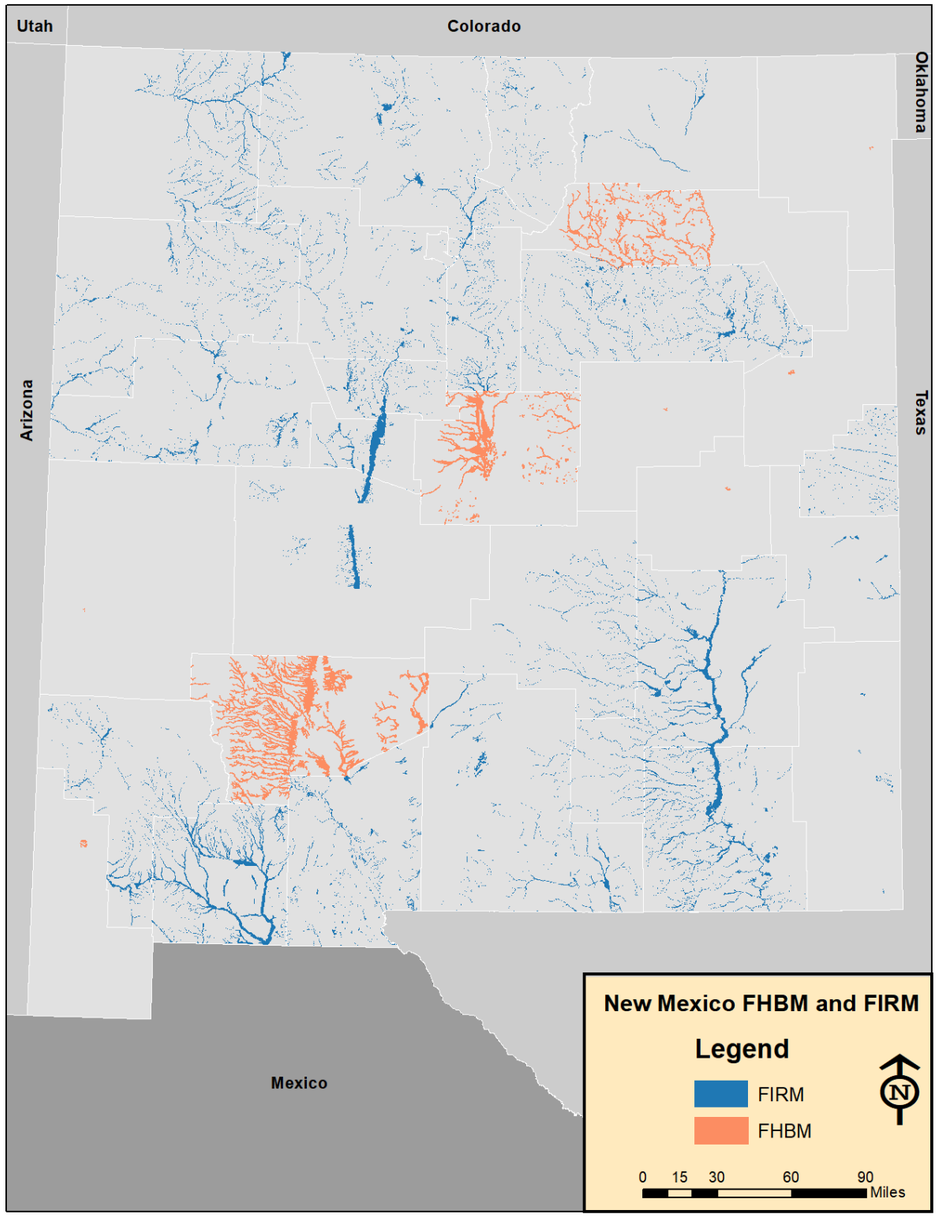


Figure 5 – The extent of FIRM and FHBM data in New Mexico.

Hazard Survey Results

Local government feedback on the use and effectiveness of flood risk mitigation tools was requested through the use of a survey. The survey was mailed to the 114 communities listed in the FEMA NFIP Community Status Book for New Mexico. These communities have been identified as having jurisdictional authority and can better affect change for their citizens. Federal and state agencies can use these responses to support local government in achieving their flood risk reduction goals. At the time of the survey, there were almost no Tribal Nations listed in the Community Status Book. The State and FEMA Region VI have identified Community ID numbers for the Tribal Nations within New Mexico and these communities will be included in future surveys. See Figure 6.

Methodology

Cover letters and surveys were mailed to every Chief Elected Official whose community was listed in the Community Status Book and a self-addressed stamped envelope was included. The survey and cover letter included a link to an online version of the survey in case that was more convenient for the respondent. Each survey contained instructions asking for a respondent who are familiar with flooding hazards within the community to complete the survey to the best of their knowledge. Each survey consisted of 16 questions consisting of multiple response, ordinal, open ended, dichotomous, adequacy, and concurrent ranking formats. Questions were designed to be non-leading, short, and simple. The two open ended questions were designed to allow respondents to identify specific concerns within their community. These responses will be added to the Mitigation Action Tracker website. Fifty-seven surveys were submitted, 12 were submitted online and 45 were returned via the mail. Please note that not all respondents answered all of the questions.

Results

Question 1

While the first issue of the MHRP is focused on flooding, subsequent versions will expand to other hazards listed in the New Mexico Statewide Hazard Mitigation Plan. To better plan the sequence of hazards to study, respondents were asked to identify which hazards were a concern for their communities, see Figure 7.

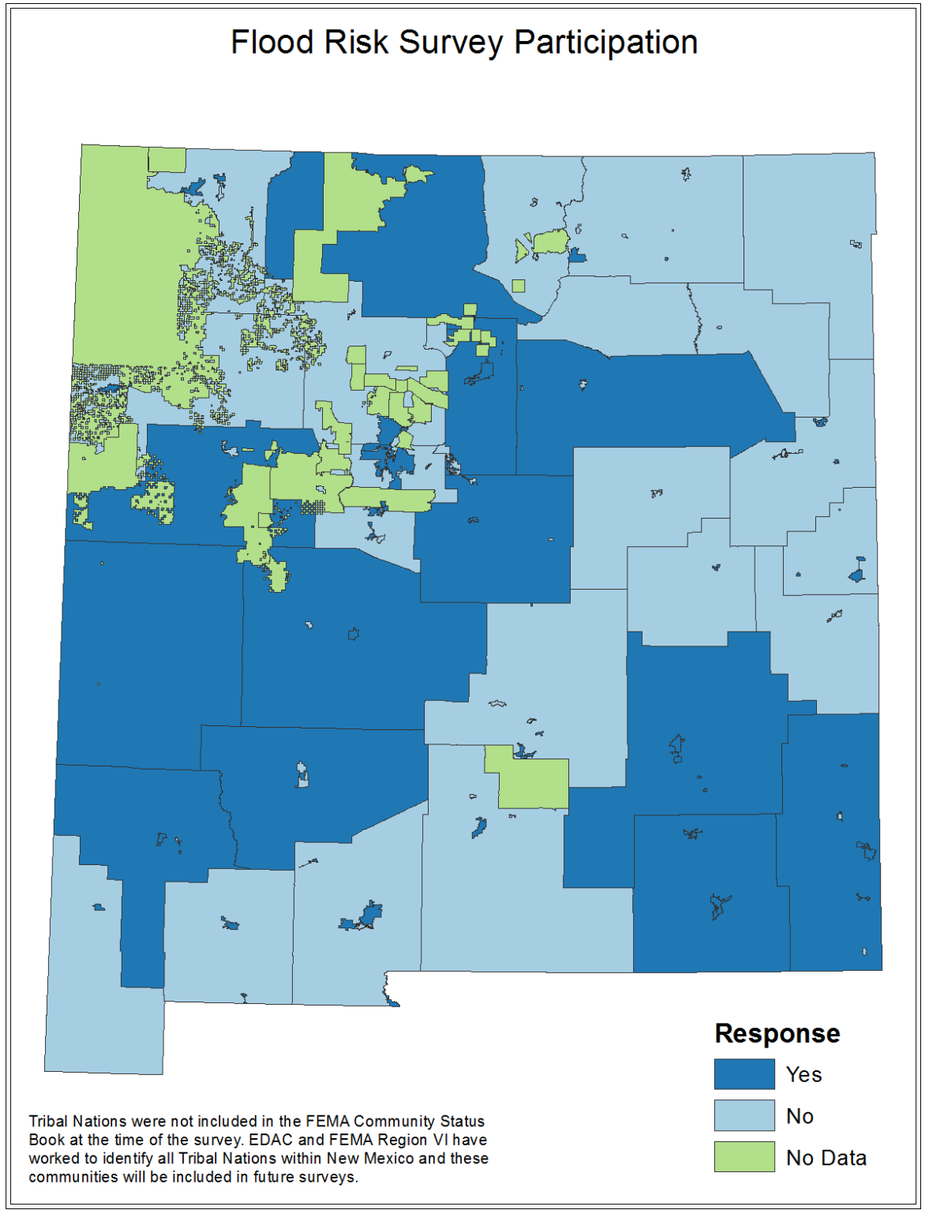


Figure 6 – Survey participation.

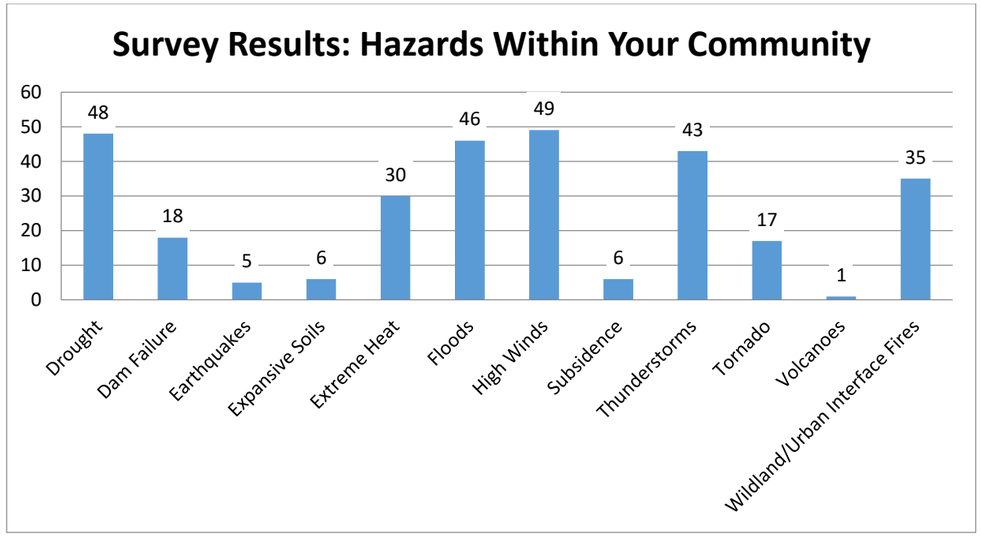


Figure 7 – Community Hazards Survey Results.

The top five hazards include

- High Winds
- Drought
- Floods
- Thunderstorms
- Wildland Urban Interface Fires

EDAC will work with state and federal agencies to evaluate mitigation strategies for these hazards and to identify relevant geospatial data that can be used for better decision-making. Depending on funding sources and data availability, other hazards identified within the State Hazard Mitigation Plan may also be pursued.

Question 2

Respondents were also asked to specifically rank flood risk for their community on a scale of low, moderate, and serious, see Figure 8.

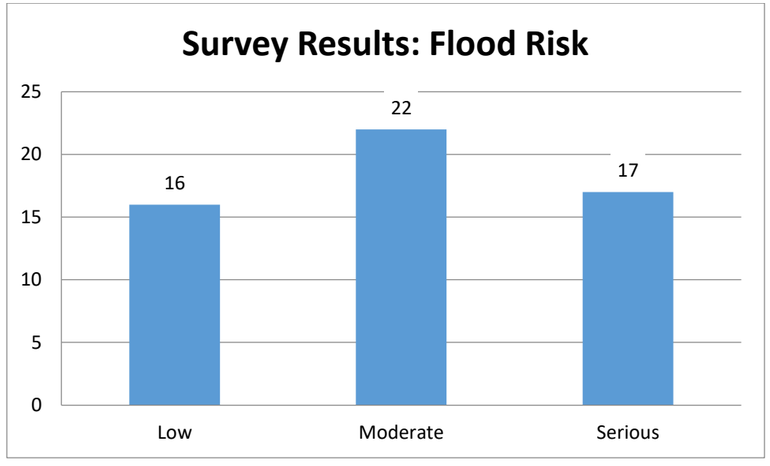


Figure 8 – Flood Risk Results.

Question 3

Communities often use permitting and local ordinances to help control development within the floodplain. Respondents were asked if potential flooding at project locations is reviewed prior to permits being issued, see Figure 9.

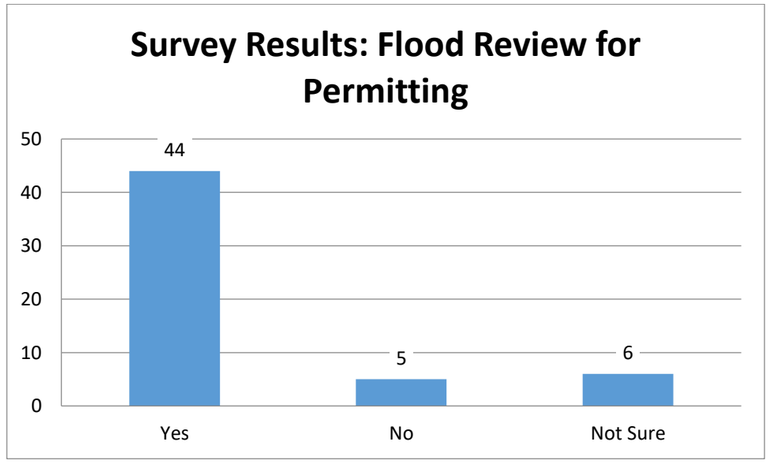


Figure 9 – Permit Review Survey Results.

Questions 4 and 5

Respondents were asked to gauge if their staff were adequately knowledgeable and trained related to floodplain management. As a follow up question, respondents were asked to identify courses or training that they would like to receive, see Figures 10 and 11.

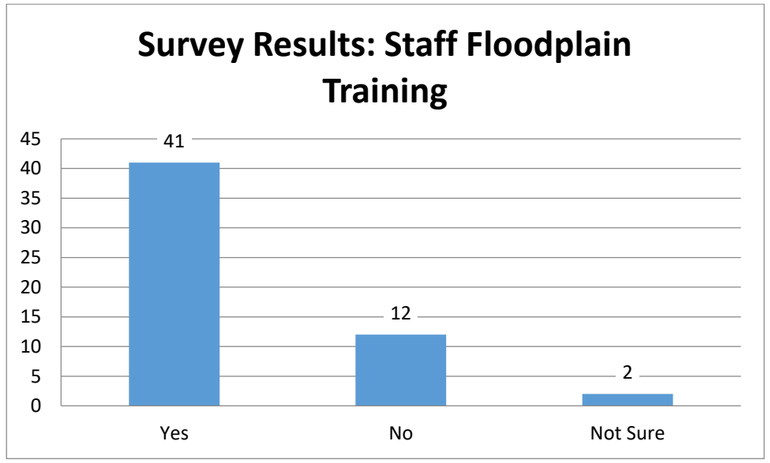


Figure 10 – Staff Floodplain Training Survey Results.

Figure 11 –Floodplain Training Opportunities Survey Results.

Course Descriptions

- FEMA Emergency Management Institute E273 Course - Managing Floodplain Development through the National Flood Insurance Program
- FEMA Emergency Management Institute E282/284 Course - Advanced Floodplain Management Concepts
- FEMA Emergency Management Institute E190 Course - Intro to ArcGIS for Emergency Managers
- FEMA Emergency Management Institute E278 Course - National Flood Insurance Plan/Community Rating System
- FEMA Emergency Management Institute E276 Course - Benefit-Cost Analysis: Entry-Level Training
- FEMA Emergency Management Institute E172 Course - HAZUS Multi-Hazards for Flood

EDAC will coordinate with NMDHSEM and the NMFMA to identify opportunities to provide these courses to appropriate state, local, tribal, and federal officials.

Question 6

Respondents were asked to provide the adequacy of their Flood Insurance Rate Maps, if available, see Figure 12.

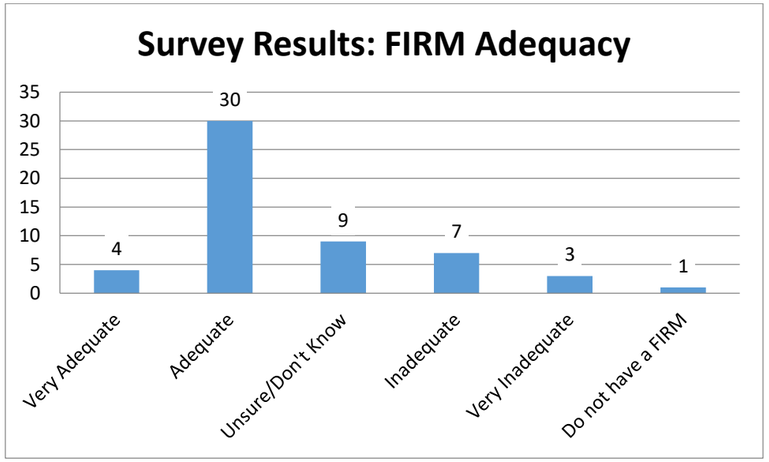


Figure 12 –FIRM Adequacy Survey Results.

While most respondents rated their FIRM maps as adequate, there are still numerous specific locations that have been identified by local officials that need updating. EDAC will coordinate with NMDHSEM, FEMA Region VI, and local officials to identify potential solutions to funding map and model updates where appropriate. While only one respondent noted that they did not have a FIRM, there are currently 10 counties in New Mexico without a FIRM. EDAC will coordinate with the Silver Jackets agencies and the New Mexico 3D Elevation Program (3DEP) to identify funding sources for the acquisition of topographic data necessary for hydrologic and hydraulic modeling to provide flood risk data to these communities.

Questions 7 and 8

Respondents were asked if they used other tools besides their FIRM, if available, for flood risk planning and to provide the adequacy of those tools, See Figures 13 and 14. Respondents identified the following as additional flood risk tools and data:

- Master drainage plans
- Historic data
- Flood photos
- High water marks
- Hazard Mitigation Plans
- Potential hazard dam ranks
- USACE
- Hydrology and Hydraulics modelling software

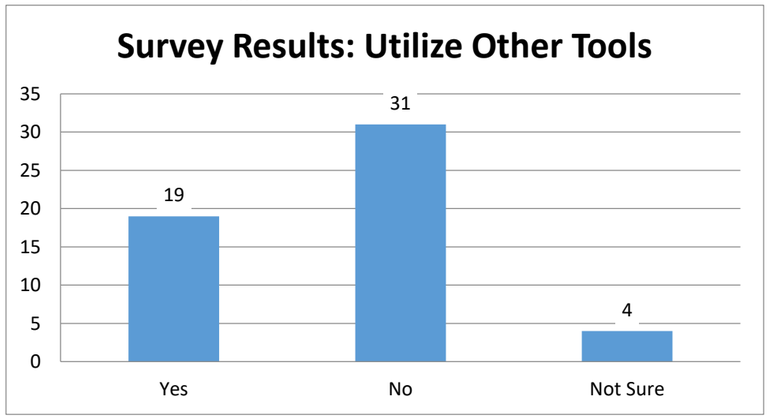


Figure 13 –Additional Tools Survey Results.

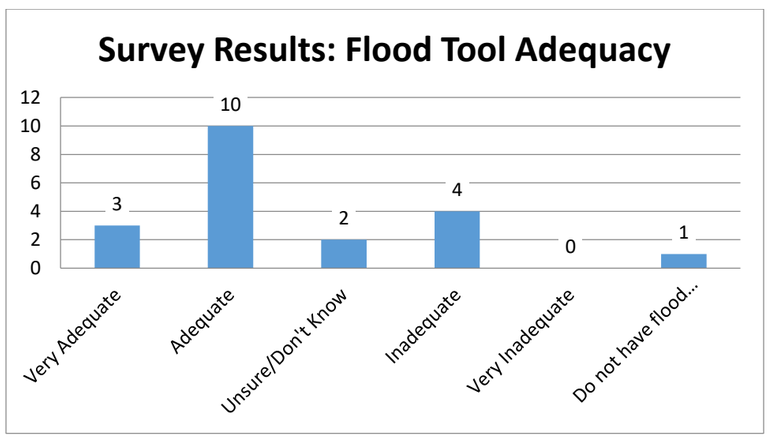


Figure 14 –Flood Tool Adequacy Survey Results.

Question 9

Respondents were asked to provide their agreement with the following statement: Your community would benefit from additional flood risk assessment tools that could enhance public awareness, health, safety, and preparedness understanding, see Figure 15.

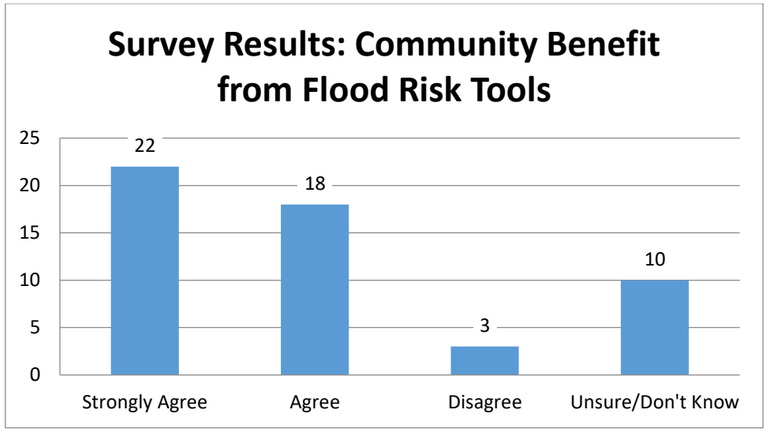


Figure 15 –Flood Tool Adequacy Survey Results.

While the majority of respondents feel that additional tools would benefit their communities in some way, nearly a quarter of respondents did not immediately see a benefit. Follow up with these communities may be warranted to identify tools that specifically address the flood risk needs within their communities.

Question 10

Respondents were asked to gauge their interest in specific areas of mitigation. FEMA provides a mitigation idea book with hundreds of mitigation strategies broken into categories for each hazard type, see Figure 16.

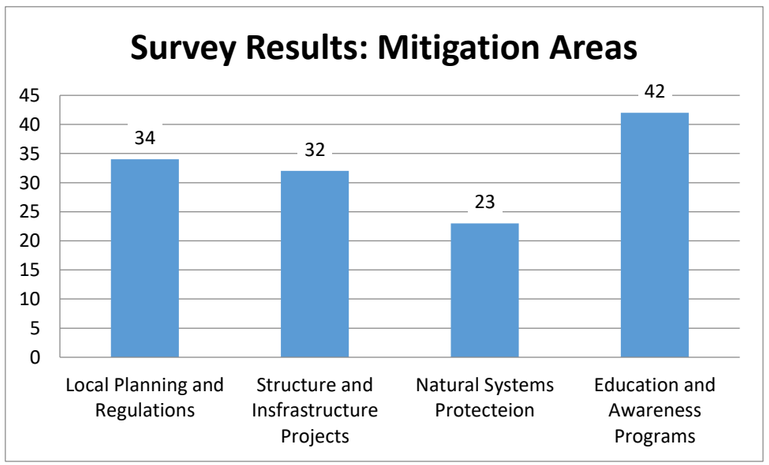


Figure 16 –Mitigation Areas Survey Results.

EDAC will work with NMDHSEM, FEMA, Silver Jackets Agencies, and the NMFMA to identify state and region specific mitigation strategies to help meet these needs.

Questions 11 through 14

Respondents were asked to provide non-binding selections that described their interest in supporting the development of specific flood risk tools. A short description was provided for each tool. Respondents were able to select from four types of contribution (Fully Locally Funded, Cost Share Contribution, In-Kind Local Match, and Contribute Staff Time) or "No Contribution", see Figure 17. The four types of contribution have been combined below.

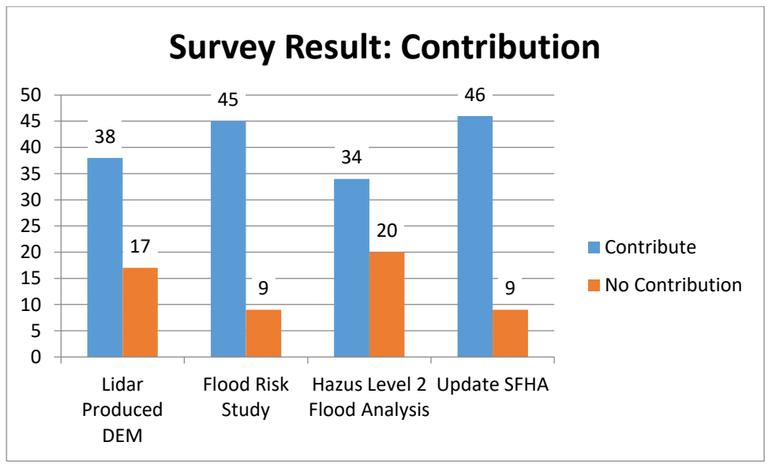


Figure 17 –Flood Risk Tools Contribution Survey Results.

Lidar data is becoming a prerequisite data set for many aspects of flood risk data and analysis. The digital surface model and resulting features can be used to perform more accurate flood risk studies, Hazus analysis, and for updating or creating floodplain boundaries and other non-regulatory tools. It will be important to convey to communities who would like to perform these other types of risk analysis the value in obtaining Lidar data first. EDAC is partnering with the New Mexico 3DEP, NMDHSEM, Silver Jackets Agencies, FEMA Region VI, local government, and the New Mexico Association of Counties to identify funding sources for high quality Lidar acquisitions across New Mexico.

EDAC is working through the FEMA Risk MAP program to perform flood risk studies of watersheds within New Mexico. Within the Risk MAP program, these studies are referred to as the Discovery process. The Discovery process takes several months to complete as local, state, federal, and tribal stakeholders coordinate to identify specific hazard related needs and data sets within a watershed. Ultimately, the stakeholders within a watershed identify specific mitigation strategies to address the needs within their communities. It is important to note that the Discovery process is designed to assess all hazards, not just flooding.

Hazus is a damage and loss estimation software produced by FEMA for flooding, earthquakes, and hurricanes. The tool is currently underutilized within New Mexico for a variety of reasons including, but not limited to, the computing power required to run the software efficiently, the highly specialized training required to understand the model inputs and settings, the lack of detailed data to produce more accurate model results, the propensity for the software to crash, relative obscurity within the emergency management community, and a misunderstanding of the intended use of the model outputs. EDAC is in a unique position to help resolve most of these issues. EDAC has access to sufficient computing hardware and software to run the Hazus modelling software in a reasonable amount of time. EDAC staff have attended Hazus training provided by the FEMA Emergency Management Institute. As the steward of the RGIS Geospatial Clearinghouse, EDAC is in a position to help collect and develop the necessary geospatial data to produce higher quality model outputs. Unfortunately, EDAC can do nothing about the tendency of the software to crash other than provide bug reports to the Hazus software development team. EDAC can promote the use, benefits, and limitations of Hazus to relevant stakeholders through meetings held across the State.

Questions 15 and 16

The responses to the two open ended survey questions are too specific to be included within this report but will be used to support needs within local communities. The questions asked local officials to identify specific FIRM panels that contained areas of concern and to identify additional data, tools, or resources related to flood risk that would benefit their community.

Flood Risk Criteria

There is extensive need for flood risk analysis throughout New Mexico as well as the prerequisite data necessary to conduct flood risk modeling. Future large area floodplain mapping will require Lidar data (USGS Quality Level 2) instead of courser digital elevation model data (USGS 10 meter DEM). Despite the costs for the acquisition, processing, and quality assessment for high quality Lidar dropping significantly over the last few years, the cost is still relatively high (approximately $300 per square mile). Many watersheds in New Mexico cover a large geographic area but have a low population, making purchasing Lidar prohibitively expensive despite the need for floodplain delineation. Federal and state agencies are interested in acquiring Lidar within New Mexico, but do not have the funds to collect the entire state. In addition to Lidar, watersheds also need funds in order to conduct flood risk analysis including floodplain delineation, depth grids, annual chance flooding grids, or other products that communities identify. This results in a need to prioritize watersheds for the purchase of Lidar and flood risk analysis.

The criteria used to prioritize watersheds within New Mexico were designed to be as objective and repeatable as possible while including factors that meet the needs of communities within the State and increasing the likelihood to receive federal funding. These criteria include:

- Population At Risk
- Area of Non-Federal Land
- Essential Facilities At Risk
- Dam Hazard Potential
- Subject Matter Expertise

Population at Risk

Population at Risk was determined to be the number of people living within 100 feet of a FEMA designated Special Flood Hazard Area (SFHA), known as the 100 year or 1% floodplain, or within 100 feet of a floodplain represented on a FEMA Flood Hazard Boundary Map (FHBM) if no SFHA were available. Using GIS software, population data were determined by creating centroids of U.S. Census Bureau blocks from 2010 and creating a 100-foot buffer around all of the SFHA and FHBM data within New Mexico. The GIS software was utilized to identify the centroids that fell within the floodplain buffer. See Figure 18. Please note that this analysis does not include preliminary Flood Insurance Rate Map (FIRM) data.

Area of Non-Federal Land

Land ownership in New Mexico is comprised of various federal, state, tribal, and private stakeholders. While flooding certainly takes place on federal land, it is considered lower risk because it contains relatively few residences and businesses. For that reason, the amount of non-federal land for each watershed was calculated within GIS software using the Bureau of Land Management surface land ownership data. See Figure 19.

Essential Facilities at Risk

Flood damage to essential facilities will create additional problems beyond residential and business damage. For instance, police and fire stations are critical in responding to flood events but are susceptible to flooding. For this reason, a collection of essential facilities including schools, fire stations, police stations, health care facilities, emergency operations centers, nursing homes, and other facilities were analyzed using GIS to determine their proximity within 100 feet of a SFHA or FHBM. See Figure 20. Please note that this dataset does not contain utility data such as water treatment plants, electrical utilities, etc.

Dam Hazard Potential

In addition to traditional riverine and flash flooding, New Mexico is also susceptible to flooding from problems arising from dams. The New Mexico Office of State Engineer (OSE) Dam Safety Bureau ensures that dams are designed, constructed, maintained, and operated as safely as possible. The OSE has jurisdictional authority of nearly 300 dams in New Mexico. The OSE ranks each dam by its hazard potential. Using GIS software, each watershed was analyzed by the number of dams within each potential hazard ranking category (low, significant, and high). See Figure 21. Additional information about OSE Dam Safety is available here. Please note that dams that do not fall under the OSE Dam Safety Bureau jurisdiction were not included in this analysis.

Subject Matter Expertise

Watersheds within New Mexico have unique characteristics that have an impact on flood risk that are not captured using the above criteria. Silver Jackets member agencies, a team consisting of federal, state, local, and academic agencies committed to flood risk reduction, were invited to provide their own list of high risk watersheds that included factors they view as important. For instance, recent wildfires may increase the likelihood of monsoon flooding. More information about Silver Jackets is available here http://silverjackets.nfrmp.us/. See Figure 22.

Methodology

Each of the five factors listed above was weighted equally (20%) when prioritizing the watersheds. Within the Dam Hazard Potential category, the number of high hazard potential dams per watershed was weighted by 65%, significant hazard potential dams were weighted 25%, and low hazard potential dams were weighted 15%. In addition, each watershed was assigned a rank for each criteria (proportional scoring) rather than using raw numbers that way each criteria could be combined into a final rank.

Highest Risk Watersheds

Utilizing the criteria and methods listed above, the most at-risk watersheds were identified within New Mexico. Table 3 lists the most at-risk watersheds in alphabetical order. Figure 23 highlights the most at-risk watersheds.

Table 3 – Highest risk watersheds (HUC-8) in New Mexico.

HUC-8	Name
13030102	El Paso-Las Cruces
13030202	Mimbres
13060001	Pecos Headwaters
13020102	Rio Chama
13020203	Rio Grande-Albuquerque
13020201	Rio Grande-Santa Fe
13060008	Rio Hondo*
13020207	Rio San Jose
13050003	Tularosa Valley
13060011	Upper Pecos-Black
13020101	Upper Rio Grande**

*Lidar data was acquired for the Rio Hondo watershed in 2014 and flood risk analysis activities began at the same time.
**Lidar data will be acquired for the Upper Rio Grande in 2016 with flood risk analysis beginning in 2017.

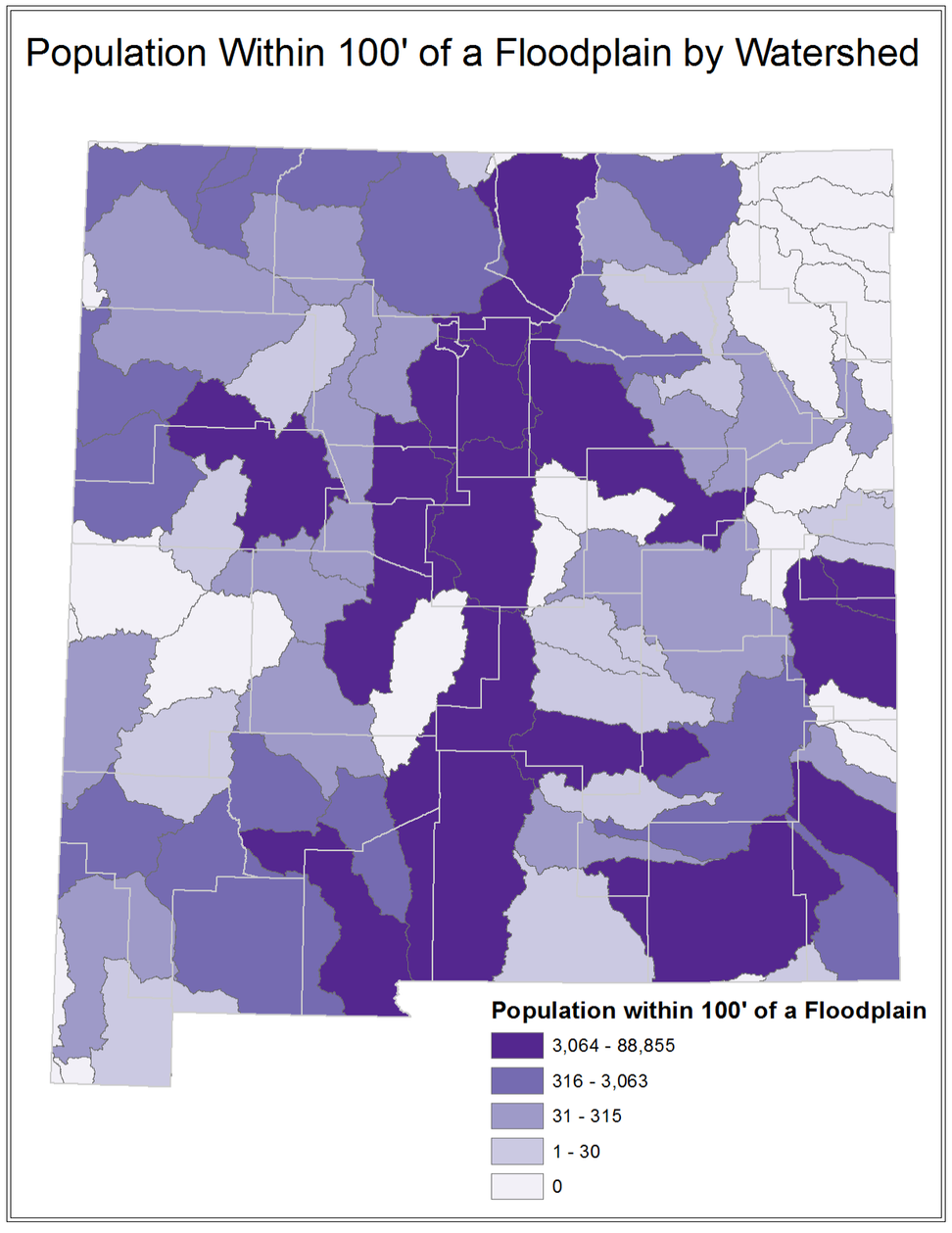


Figure 18 – Population at risk.

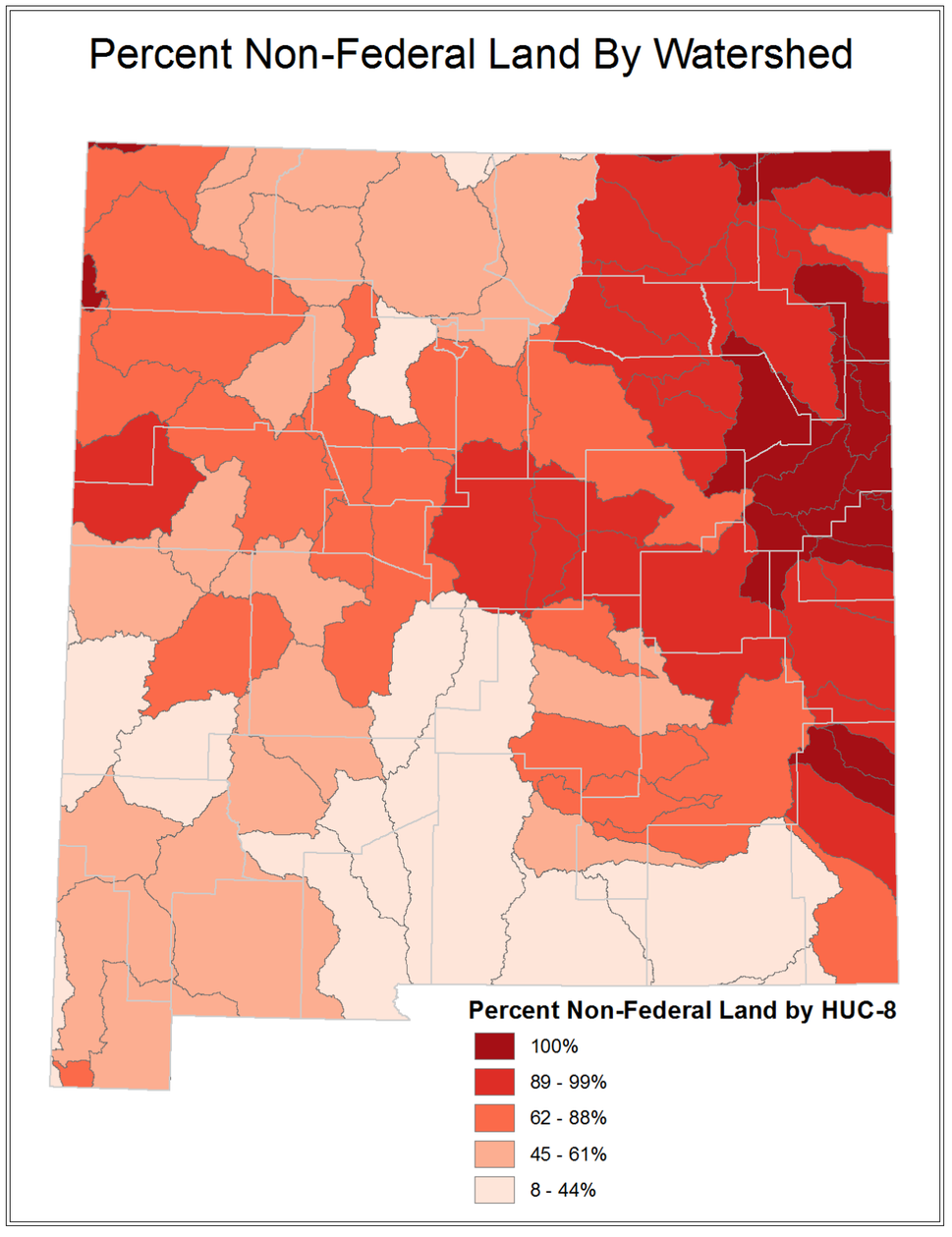


Figure 19 – Percent of Non-Federal land in New Mexico determined by watershed.

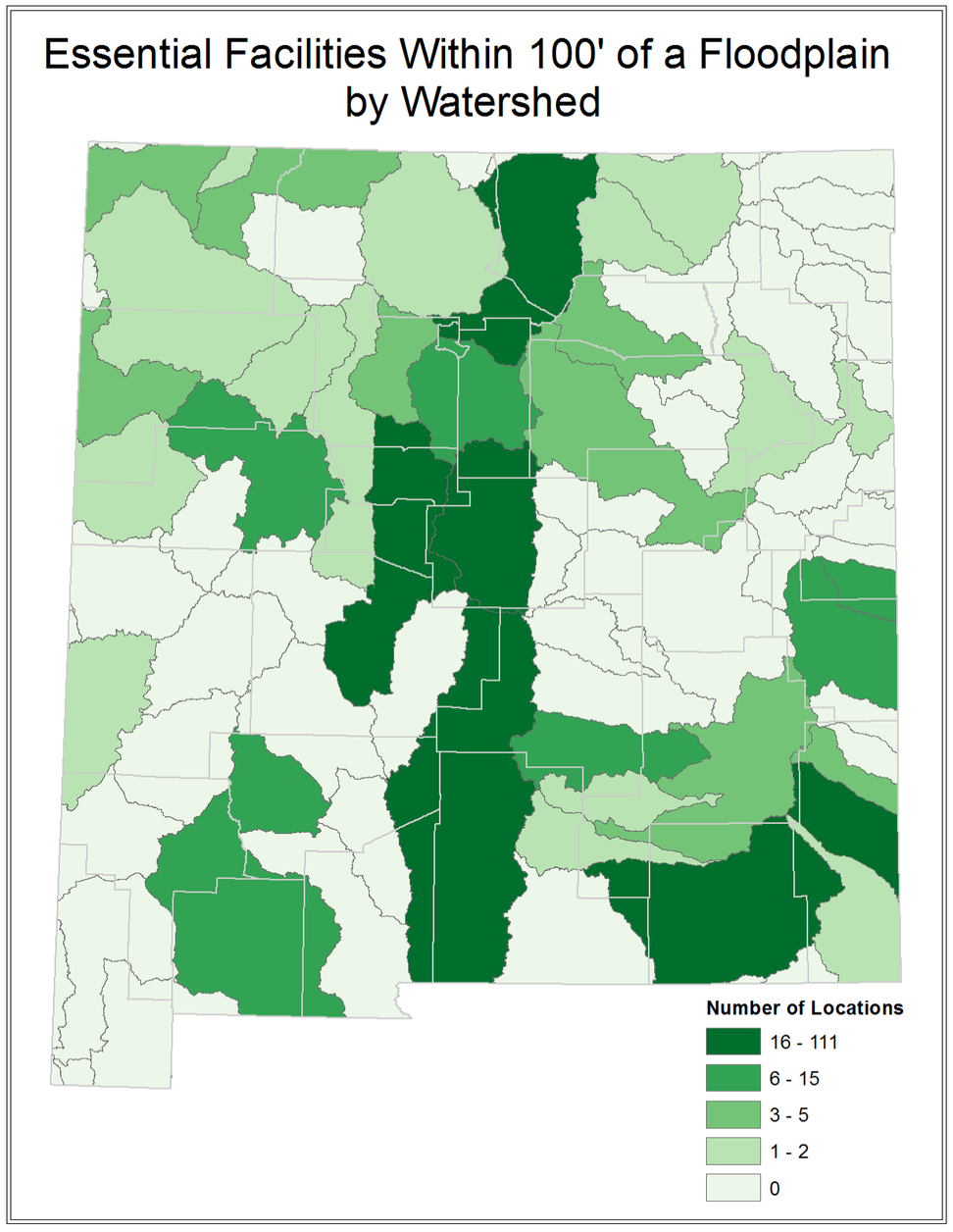


Figure 20 – Essential facilities at risk.

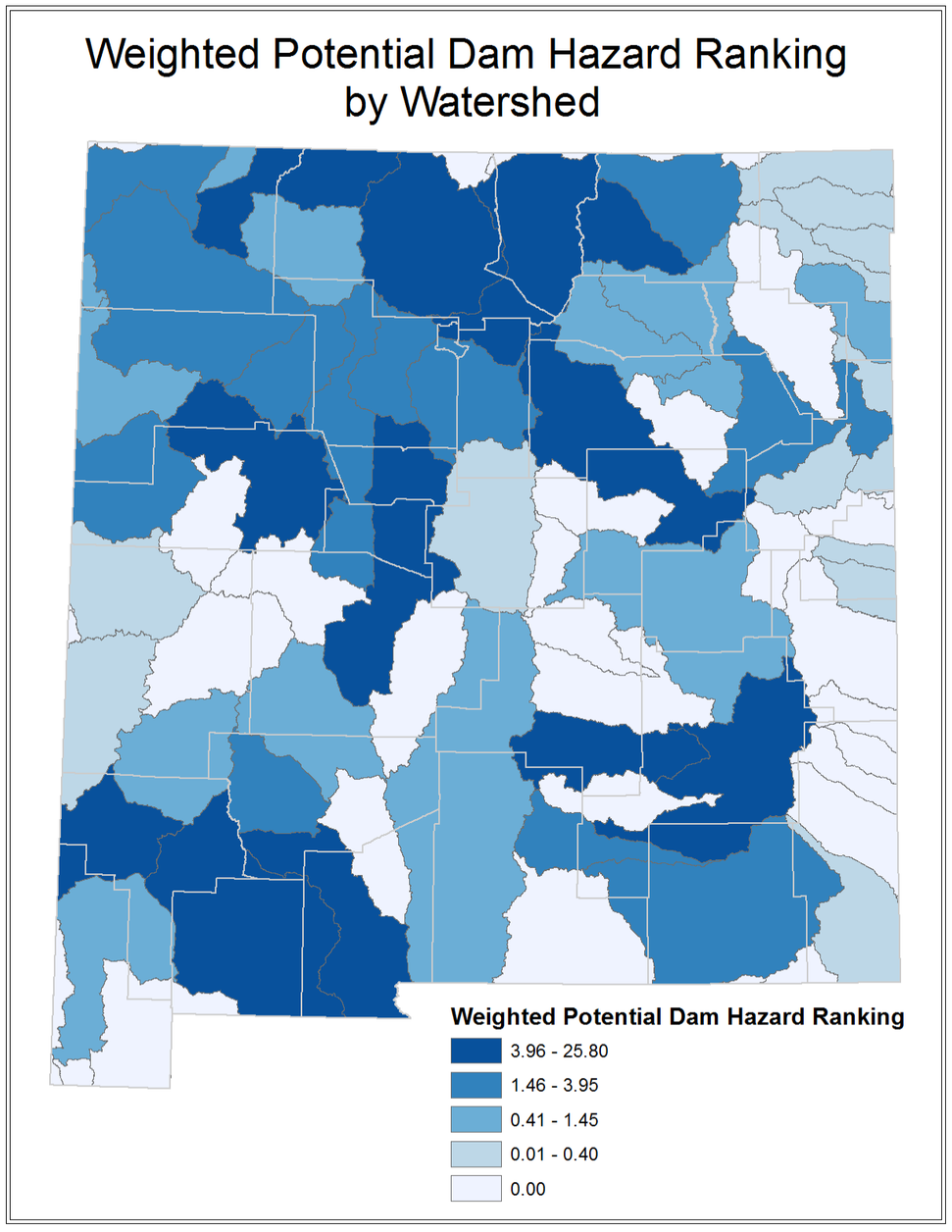


Figure 21 – Dam Hazard Ranking.

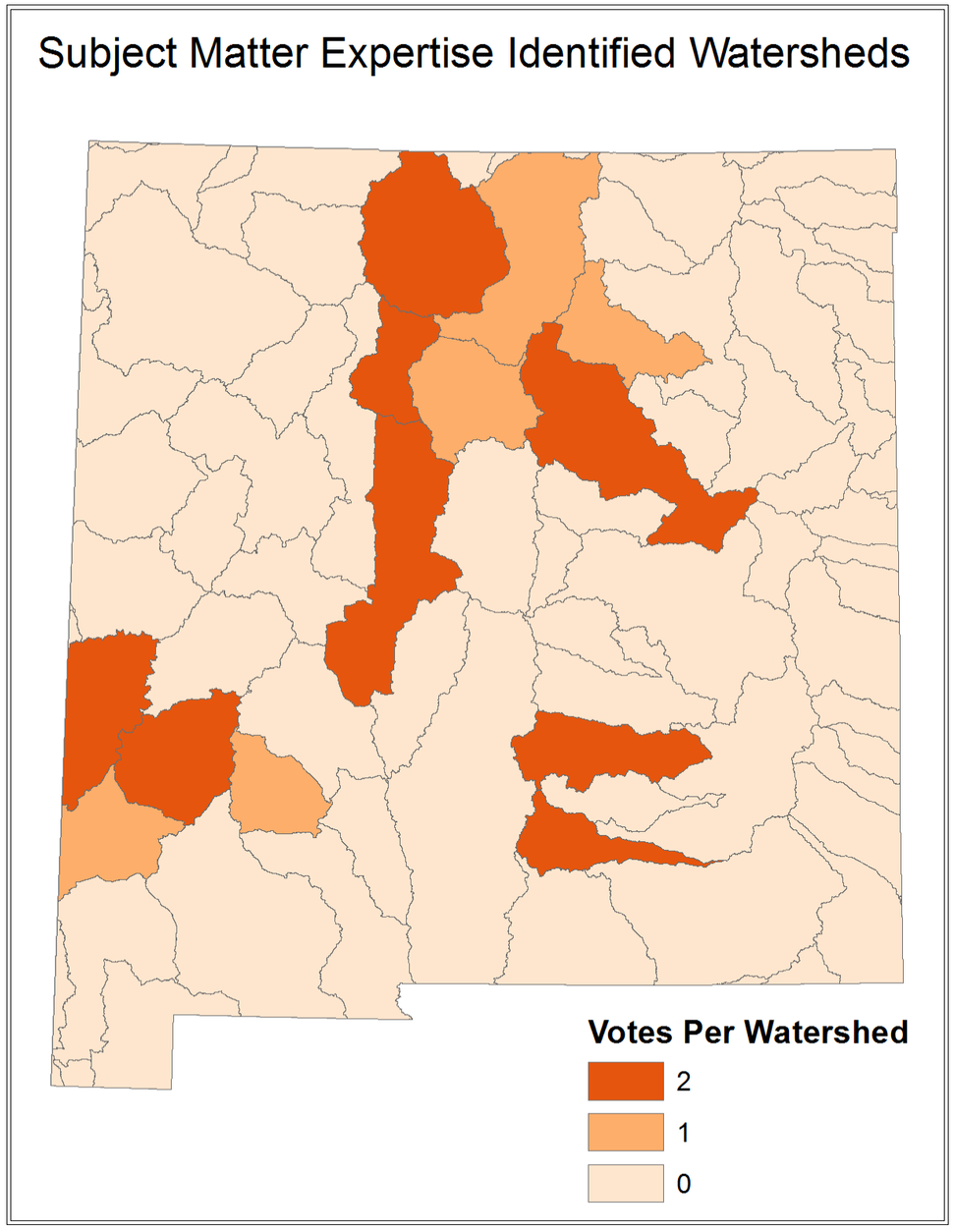


Figure 22 – Subject Matter Expertise per watershed (HUC-8).

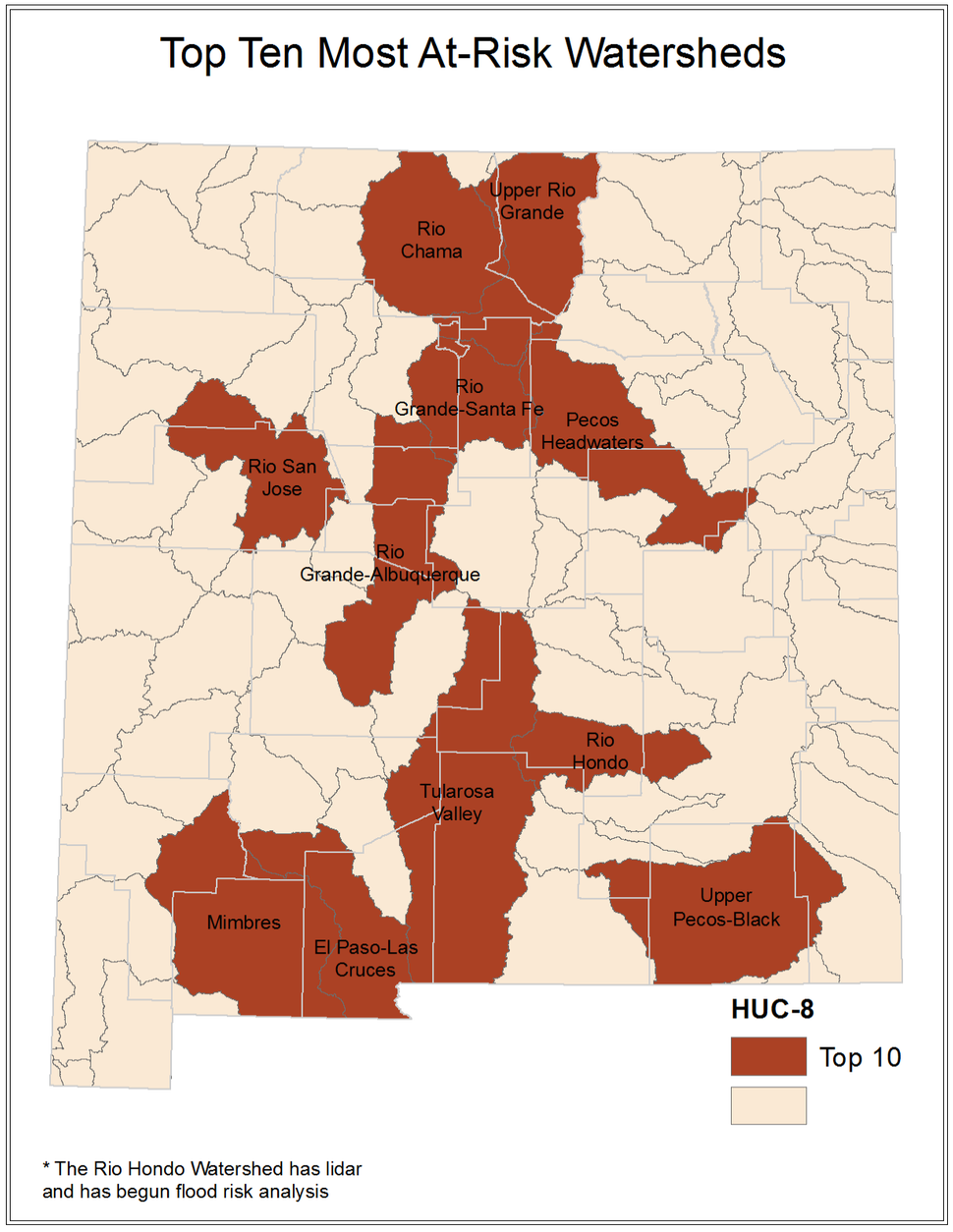


Figure 23 – Top ten ranking of most at-risk watersheds (HUC-8).

Flood MHRP Individual Watershed Page Glossary

Watershed Description

An overview of the population, topography, hydrologic features and flood risk data for the watershed.

Lidar Data Availability

This field lists any lidar data available for the watershed.

Counties

This section of the table lists the counties that have jurisdiction within the watershed.

Communities

This area of the table lists the CID Communities within the watershed.

Tribal nations

This portion of the table lists the Tribal Nations within the watershed.

Rapid Watershed Assessment

This section of the table lists whether or not the NRCS has conducted a Rapid Watershed Assessment in the watershed and provides a hyperlink to that assessment.
https://www.nrcs.usda.gov/wps/portal/nrcs/main/nm/technical/dma/rwa/

Watershed Name and Hydrologic Unit Code (HUC)

This portion of the table details the risk criteria for each watershed that were utilized in the flood hazard ranking analysis. Including:

Watershed Characteristics: The total area in square miles, population, CNMS stream miles, maximum and minimum elevations are listed. The New Mexico Office of State Engineer (OSE) Dam Safety Bureau dams in the watershed by hazard ranking.

Ownership: The breakdown of surface land ownership by percentage.

NFIP Statistics: The availability of National Flood Insurance Program (NFIP) flood maps or FHBM maps. NFIP Statistics including number of CID and NFIP communities, number of NFIP flood insurance policies, NFIP flood insurance policies within the Special Flood Hazard Areas (SFHA), and information about repetitive loss structures within the watershed. This information was obtained from FEMA Region VI.

Wildfire Risk Results

Wildfire Risk Criteria

The criteria used to prioritize watersheds within New Mexico were designed to be as objective and repeatable as possible while including factors that meet the needs of communities within the State and increasing the likelihood to receive federal funding. This methodology replicates the methodology used by the State of Idaho in their Wildfire Risk Portfolio. These criteria include:

- Watershed Population
- Structures in the Wildland Urban Interface
- Wildfire Risk Score

Watershed Population

Watershed population was assigned a ranking value from 1 to 85 with the watershed with the largest population being assigned the rank of 85. The Rio Grande-Albuquerque watershed has the highest population and the Cloverdale watershed has the lowest population with 35 inhabitants within the watershed boundaries. See Figure 24.

Structures in the Wildland Urban Interface

The Wildland Urban Interface (WUI) data was obtained from the SILVAS lab at the University of Wisconsin, Madison. The SILVAS lab map two types of WUI: intermix and interface. Intermix WUI are areas where housing and vegetation intermingle; interface WUI are areas with housing in the vicinity of contiguous wildland vegetation. The individual watershed map reports structures within each type to provide more refined information about the of nature of the Wildland Urban Interface. The structure information was obtained from the New Mexico Department of Finance and Administration's E-911 program. This is the best available data set for the location of structures in New Mexico. The data represents addressed structures reported by local governments to the New Mexico E-911 program. One deficit of this dataset is that there is no structure information for the tribal lands within New Mexico. The number of structures in the WUI in each watershed was used to rank the watersheds. See Figure 25 for the Wildland Urban Interface.

Wildfire Risk Score

The Wildfire Hazard Potential (WHP) data created by the Fire Modeling Institute, USDA Forest Service, Rocky Mountain Research Station and Fire and Aviation Management was used to calculate the wildfire risk score. This data set was created in 2014 and is the most recent statewide evaluation of wildfire risk for New Mexico. The state is characterized in seven categories including areas of very low, low, moderate, high, very high, non-burnable and water in the WHP data. The area of each category was calculated for each watershed, the high and very high areas were combined as they represent the area of greatest wildfire risk and weighted according to their relative contribution to wildfire risk. Figure 26 shows the Wildfire Hazard Potential for New Mexico.

Methodology

The overall Wildfire Risk Score was generated using the following calculation:

$$Risk\ Score = C(Ps + Ww) * H(Rw)$$

P_w = Weighted Population score
W_w = Weighted Structures in WUI score
R_w = Weighted Overall Wildfire Risk Score

Highest Risk Watersheds

Utilizing the criteria and methods listed above, the most at-risk watersheds were identified within New Mexico. The watersheds where then classified into high, medium and low risk with the top 25 watersheds having the highest risk, the next 25 having medium risk and the remaining 35 watersheds having low risk. The low category includes watersheds that have only a small portion within the state of New Mexico. Table 4 lists the most at-risk watersheds. Figure 27 illustrates the watershed rankings.

Table 4 – Highest risk watersheds (HUC-8) in New Mexico.

HUC-8	Name
13020101	Upper Rio Grande
13020201	Rio Grande-Santa Fe
13060008	Rio Hondo
13060007	Upper Pecos-Long Arroyo
11080006	Upper Canadian-Ute Reservoir
12080003	Monument-Seminole Draws
13030101	Caballo
15020004	Zuni
13060001	Pecos Headwaters
13020202	Jemez
13060010	Rio Peñasco
15040004	San Francisco

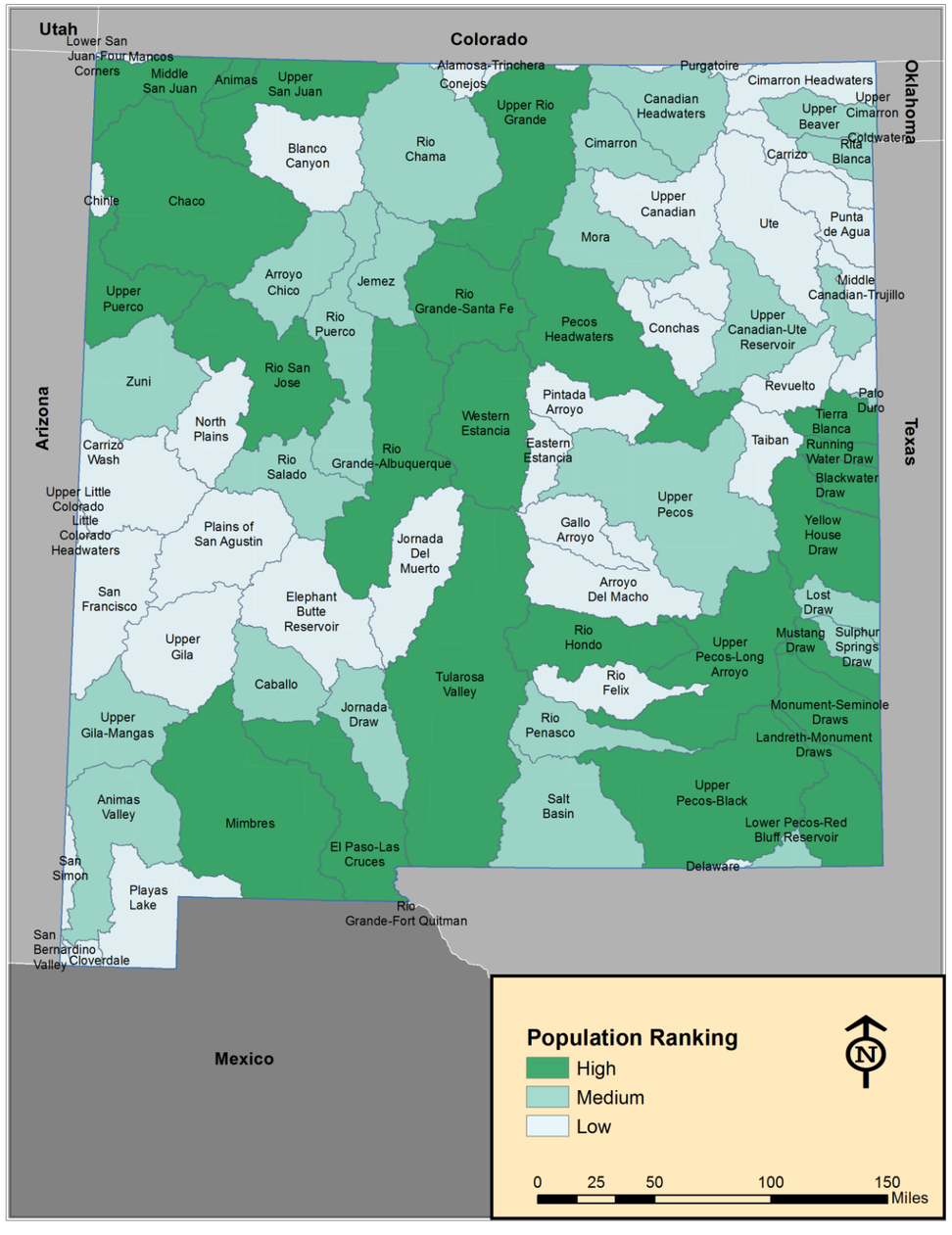


Figure 24 – Population Ranking.

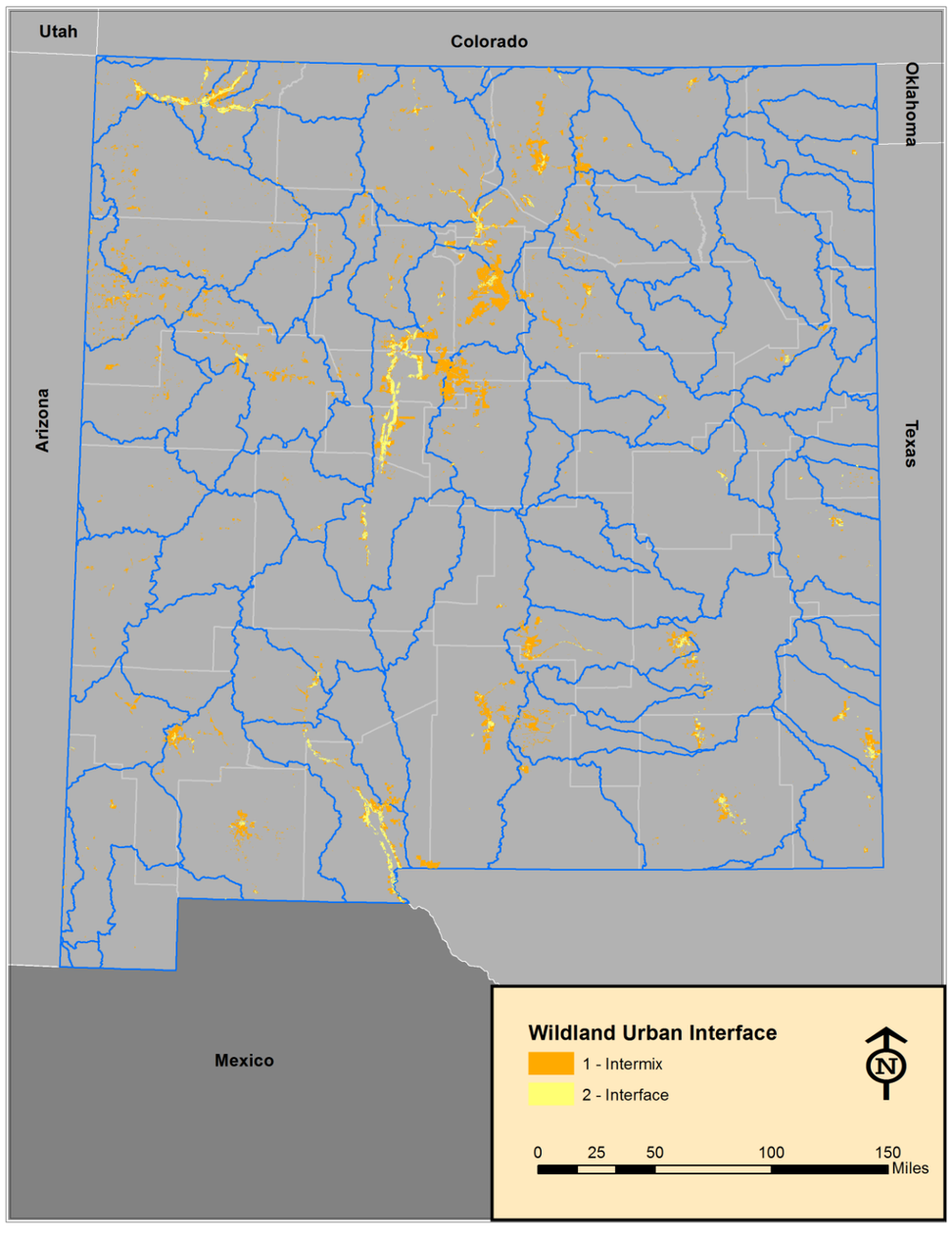


Figure 25 – Wildland Urban Interface in New Mexico.

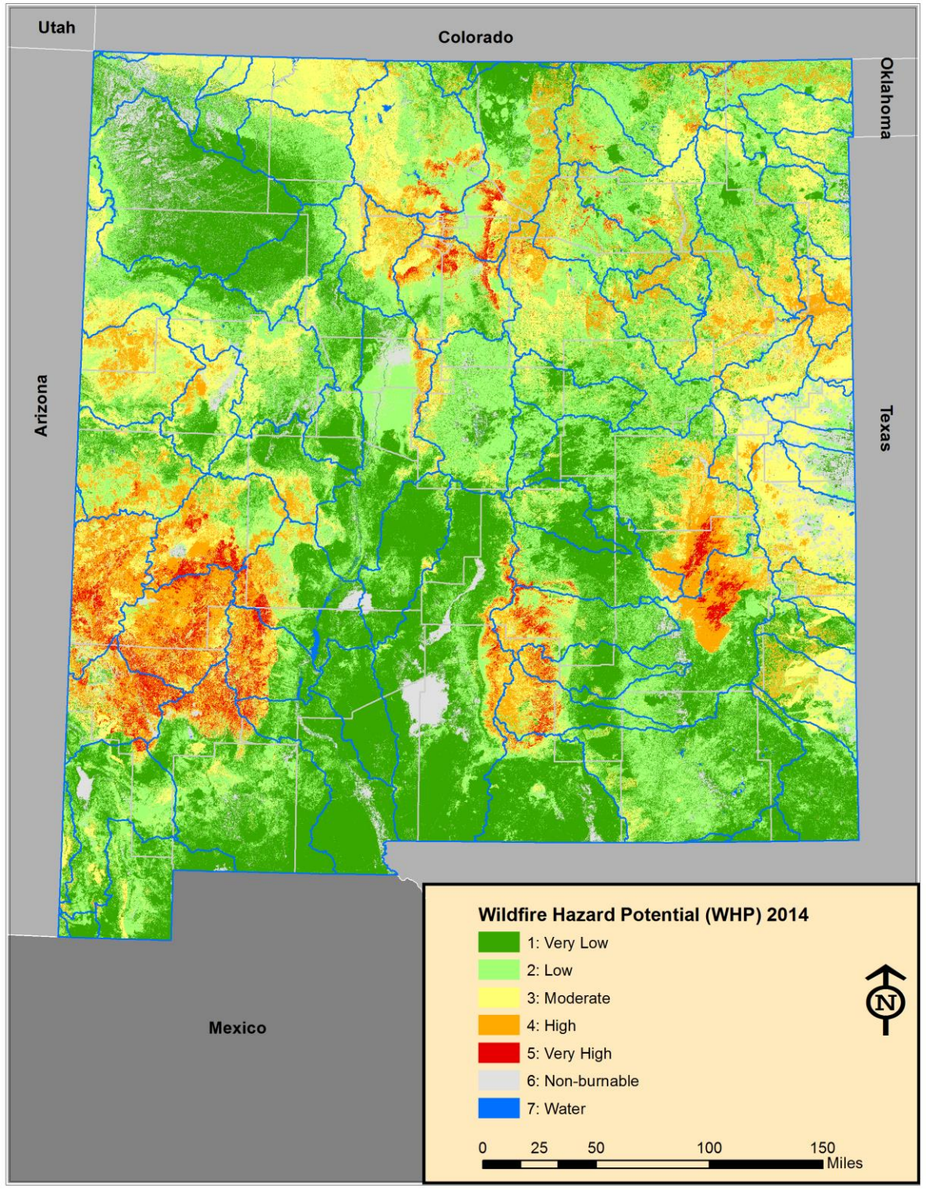


Figure 26 – The 2014 Wildfire Hazard Potential for New Mexico Fire Modeling Institute, USDA Forest Service, Rocky Mountain.

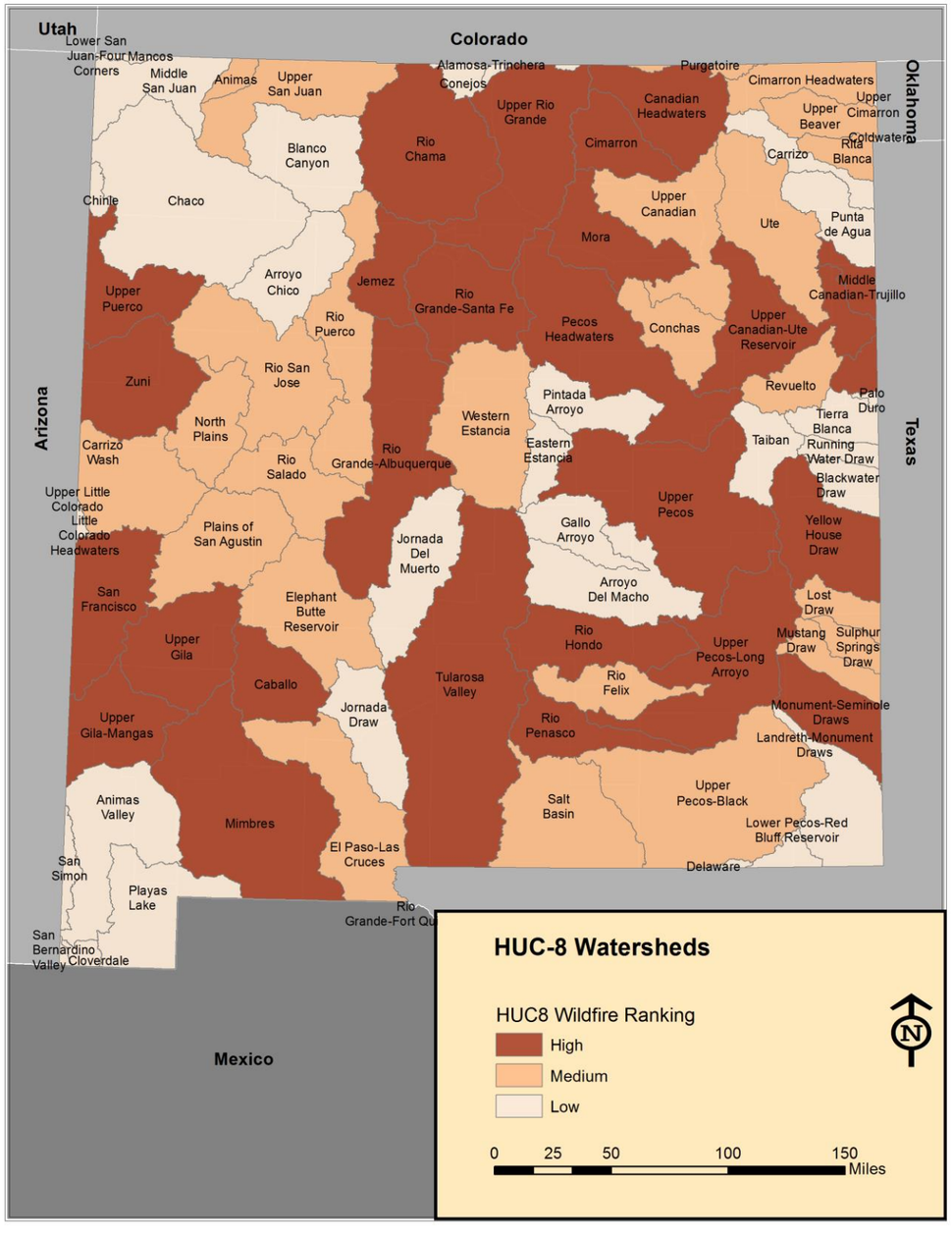


Figure 27 – HUC -8 Wildfire Rankings.

Wildfire MHRP Individual Watershed Page Glossary

The MHRP page for each watershed contains a summary of wildfire information for that area.

Watershed Fire Risk

This table provides a breakdown of percentage of each wildfire hazard potential for the watershed.

Watershed Characteristics

This table has the total numbers of wildfires occurring in the watershed over the past 10 years. This information was collected from the United States Forest Service wildfire database and the Geospatial Mulit-Agency Coordination Center (GEOMAC) fire database. These wildfire databases do not include small fires that occurred on private land in New Mexico, they only have perimeters of wildfires on federal land. The wildfire data is available at http://rgis.unm.edu/.

Wildland Urban Interface

This table breaks down the percent and acres of the watershed by Interface and Intermix categories and lists the number of addressed structures within the Wildland Urban Interface. More information on the WUI data is available at http://silvis.forest.wisc.edu/maps/wui and the New Mexico data is available on http://rgis.unm.edu/.

Communities at Risk from Wildland Fire

This table has the number of communities listed as at risk of wildland fire in local Community Wildland Program Plans and was published by the New Mexico State Forest in the 2015 New Mexico Communities at Risk Assessment Plan. See the report at http://www.emnrd.state.nm.us/SFD/FireMgt/Fire.html.

Nature Conservancy HUC-12 At-Risk Watershed Rankings

The Nature Conservancy as part of the Rio Grande Water Fund (which is concerned with watershed health in New Mexico) conducted a statewide analysis of five contributing factors—fire threat, risk to water supplies, forest health decline, risk to fish and wildlife habitat, and economic opportunities to identify Watersheds at highest risk. The table lists the number of HUC-12 watersheds that were identified in this analysis as high and very high priority (See Figure 28). More information about the Rio Grande Water Fund and it projects and priorities is available at http://www.nature.org/ourinitiatives/regions/northamerica/unitedstates/newmexico/new-mexico-rio-grande-water-fund.xml

Vegetation Treatments 2006-2016

The New Mexico Forest and Watershed Restoration Institute, Highlands University has been working to create a database of vegetation treatments across the state of New Mexico. This database contains completed and planned watershed treatments t. The data is collected from NM State Forestry, United States Forest Service, Bureau of Land Management, the New Mexico State Land Office, National Resource Conservation Service, various tribal agencies, private individuals, and others. This project is on-going and projects will be added as information is collected and is not a database of all treatments. This field has number of acres treated from 2006 to 2016. The data is available from the All About Watersheds website at http://allaboutwatersheds.org/.

Lidar Data Availability

This field lists any Lidar data available for the watershed.

Debris Flow Modeling

The USGS has been modeling post-wildfire debris flow potential across the state of New Mexico. This field lists any modeling done in the individual watershed along with a reference to the study. See Figure 29.

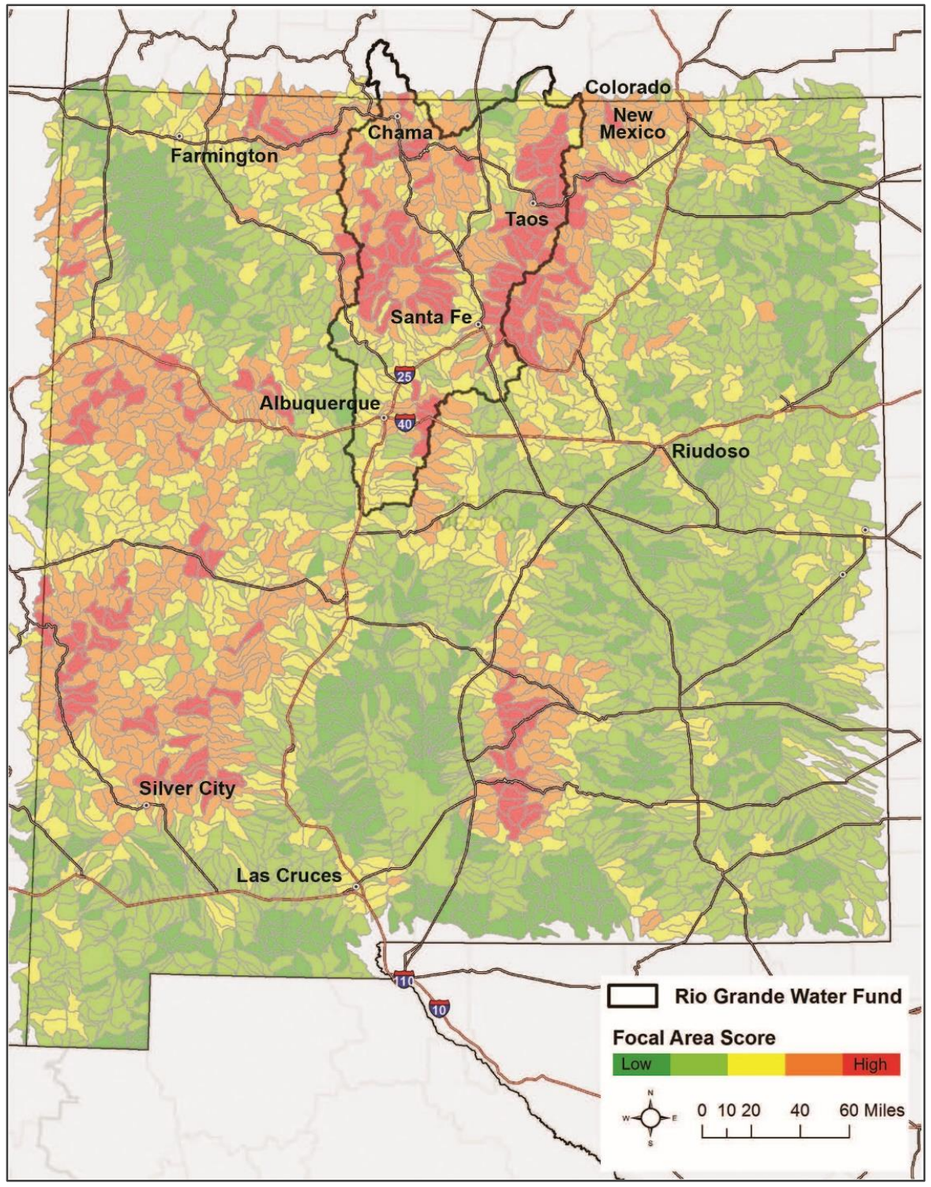


Figure 28 – The Rio Grande Water Fund most at-risk watersheds in New Mexico (Rio Grande Water Fund Comprehensive Plan 2014).

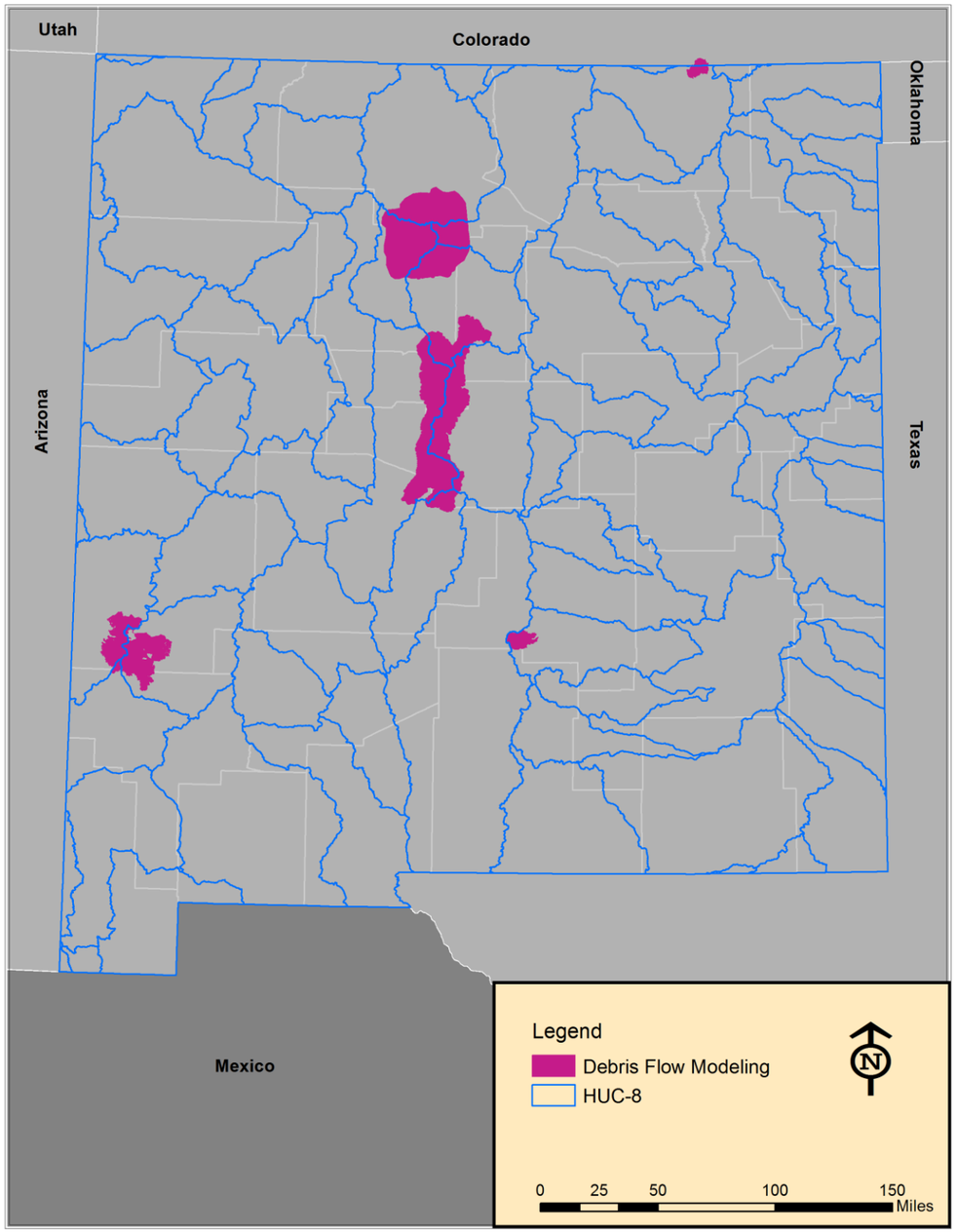


Figure 29 – Debris Flow Modeling in New Mexico.

Landslide Risk Criteria

The third update to the Multi-Hazard Risk Portfolio is landslide risk by HUC-8 watershed. Digital information about landslide occurrence in New Mexico is limited to studies that were conducted in the 1990s and a small amount of more recent information from NASA. The 2013 New Mexico Natural Hazard Mitigation Plan outlined a need for a statewide digital database and map of landslide activity in New Mexico.

Landslide Deposits

In 1990 geologists Earl E. Brabb, Mauro Cardinali and Fausto Guzzetti conducted a systematic statewide survey of landslide deposits (Cardinali et al., 1990). The data from this study were included in the analysis by Brabb, Colgan, and Best (Brabb etal., 1999) in their *Map Showing Inventory and Regional Susceptibility for Holocene Debris Flows, and Related Fast-Moving Landslides in the Conterminous United States,* however only the location of the deposit was utilized not the type. Photocopies of the original maps created by Brabb, Cardinali and Guzzetti were scanned and digitized as part of the update process for the New Mexico Natural Hazard Mitigation Plan (FEMA-4152-019-DR-NM). See Figure 30 for example of a portion of *the Shallow Landslide Deposits and Related Features Map*. Figure 31 shows all of the landslide deposits in from Brabb et al. The landslide database will be available for download on the New Mexico GIS Data Clearinghouse, RGIS at http://rgis.unm.edu/.

Other Landslide Information

An additional landslide point dataset for New Mexico is NASA's Open Data Portal's Global Landslide Data Explorer. The landslides for New Mexico were downloaded and utilized in the analysis. (https://data.nasa.gov/view/angv-aquq) The landslide area information from the 1982 map by Dorothy H. Radbruch-Hall, Roger B. Colton, William E. Davies, Ivo Lucchitta, Betty A. Skipp, and David J. Varnes who evaluated geologic formations or groups of formations as being of high, medium, or low susceptibility to landsliding and classified the formations as having high, medium, or low landslide incidence (number of landslides) was not included in the ranking criteria but is reported for each watershed. This information is based on generalized geologic formations whereas the Brabb, Cardinali and Guzzetti information is based on actual observations of landslide deposits. See Figure 32.

Methodology

Watersheds were ranked by the number of landslide deposits and related features per watershed. The watersheds were classified as low, medium and high risk based on natural breaks in the distribution of the number of landslide features in the 85 watersheds. Watershed with 952-1051 features were classified as high (n=4), watersheds with 313-773 features were classified as medium risk (n=18) and watershed with fewer than 299 features were classified as low risk (n=52). There were 10 watersheds or the New Mexico portions of watershed that contained no landslide features and they were classified as having no or unknown risk. Figure 33 shows the landslide risk by watershed. The landslide incidence data produced by Radbruch-et al. (1982) was not utilized in the watershed ranking since that data was produced at a large scale and has not been refined.

Highest Risk Watershed

The 85 watershed were ranked from high to low, four watersheds were classified as high and listed in Table 5, they were the Rio Chama, Rio San Jose, Tularosa Valley and the Upper Rio Grande watersheds. The ranking of all the watersheds in listed in Table 6.

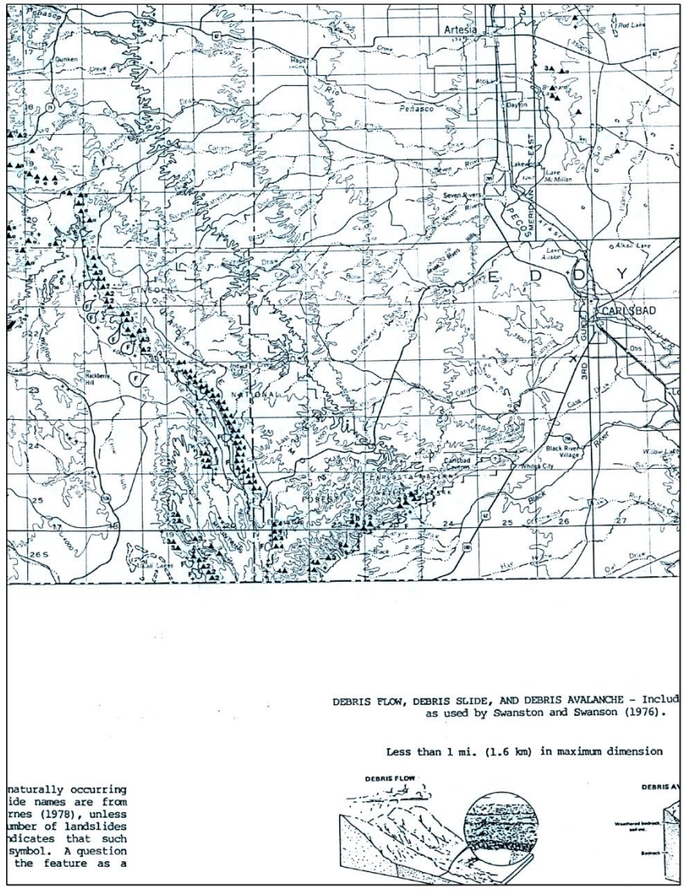


Figure 30 – Landslide Deposit Map Example (Cardinali, Guzzetti, and Brabb 1990) .

Table 5 - Highest risk waters (HUC-8) in New Mexico.

HUC-8	Name
13020102	Rio Chama
13020207	Rio San Jose
13050003	Tularosa Valley
13020101	Upper Rio Grande

Table 6 – Watershed Landslide Risk Ranking.

Watershed Name	USGS HUC-8	Landslide Features	Landslide Risk
Alamosa-Trinchera	13010002	14	Low
Animas	14080104	101	Low
Animas Valley	15040003	144	Low
Arroyo Chico	13020205	280	Low
Arroyo Del Macho	13060005	93	Low
Blackwater Draw	12050002	0	None/Unknown
Blanco Canyon	14080103	356	Medium
Caballo	13030101	216	Low
Canadian Headwaters	11080001	520	Medium
Carrizo	11090104	45	Low
Carrizo Wash	15020003	465	Medium
Chaco	14080106	658	Medium
Chinle	14080204	52	Low
Cimarron	11080002	313	Medium
Cimarron Headwaters	11040001	536	Medium
Cloverdale	15080303	7	Low
Coldwater	11100103	0	None/Unknown
Conchas	11080005	191	Low
Conejos	13010005	53	Low
Delaware	13070002	0	None/Unknown
Eastern Estancia	13050002	8	Low
El Paso-Las Cruces	13030102	190	Low
Elephant Butte Reservoir	13020211	235	Low
Gallo Arroyo	13060006	32	Low
Jemez	13020202	417	Medium
Jornada Del Muerto	13020210	188	Low
Jornada Draw	13030103	121	Low
Landreth-Monument Draws	13070007	1	Low
Little Colorado Headwaters	15020001	7	Low
Lost Draw	12080001	0	None/Unknown
Lower Pecos-Red Bluff Reservoir	13070001	40	Low
Lower San Juan-Four Corners	14080201	27	Low
Mancos	14080107	25	Low
Middle Canadian-Trujillo	11090101	10	Low
Middle San Juan	14080105	280	Low
Mimbres	13030202	447	Medium
Monument-Seminole Draws	12080003	0	None/Unknown
Mora	11080004	287	Low
Mustang Draw	12080004	0	None/Unknown
North Plains	13020206	163	Low
Palo Duro	11120102	1	Low
Pecos Headwaters	13060001	587	Medium
Pintada Arroyo	13060002	51	Low
Plains of San Agustin	13020208	268	Low
Playas Lake	13030201	166	Low
Punta de Agua	11090102	29	Low
Purgatoire	11020010	54	Low
Revuelto	11080008	90	Low
Rio Chama	13020102	1051	High
Rio Felix	13060009	36	Low
Rio Grande-Albuquerque	13020203	773	Medium
Rio Grande-Fort Quitman	13040100	0	None/Unknown
Rio Grande-Santa Fe	13020201	567	Medium
Rio Hondo	13060008	170	Low
Rio Penasco	13060010	77	Low
Rio Puerco	13020204	451	Medium
Rio Salado	13020209	481	Medium
Rio San Jose	13020207	929	High
Rita Blanca	11090103	28	Low
Running Water Draw	12050005	0	None/Unknown
Salt Basin	13050004	299	Low
San Bernardino Valley	15080302	2	Low
San Francisco	15040004	259	Low
San Simon	15040006	27	Low
Sulphur Springs Draw	12080006	0	None/Unknown
Taiban	13060004	18	Low
Tierra Blanca	11120101	6	Low
Tularosa Valley	13050003	1246	High
Upper Beaver	11100101	25	Low
Upper Canadian	11080003	351	Medium
Upper Canadian-Ute Reservoir	11080006	470	Medium
Upper Cimarron	11040002	85	Low
Upper Gila	15040001	188	Low
Upper Gila-Mangas	15040002	172	Low
Upper Little Colorado	15020002	0	None/Unknown
Upper Pecos	13060003	51	Low
Upper Pecos-Black	13060011	129	Low
Upper Pecos-Long Arroyo	13060007	37	Low
Upper Puerco	15020006	413	Medium
Upper Rio Grande	13020101	952	High
Upper San Juan	14080101	661	Medium
Ute	11080007	187	Low
Western Estancia	13050001	74	Low
Yellow House Draw	12050001	2	Low
Zuni	15020004	314	Medium

Recent Landslide

- Debris Flow
- Landslide
- Mudslide
- Rockfall
- Rockslide

Deep Seated Landslide Deposits <1 mile

- Hummocky Topography
- Rock Block Slide
- Rock Slide and Debris Slide
- Slump
- Toreva Block
- Unclassified Complex Landslide or Slump-Earth Flow
- Unclassified Deep-Seated Landslide

Deep Seated Landslide Deposits >1 mile

- Hummocky Topography
- Rock Block Slide
- Rock Slide & Debris Slide
- Slump
- Toreva Block
- Unclassified Complex Landslide or Slump-Earth Flow
- Unclassified Deep-Seated Landslide

Rock Falls & Topples

- Naturally Occurring Rockfall or Topple

Escarpment & Landslide Scarp

- Escarpment & Landslide Scarp

Shallow Landslide Deposits <1 mile

- Debris Flow, Debris Slide & Debris Avalanche
- Earth Flow & Earth Slump
- Unclassified Shallow Landslides

Earth Flow & Earth Slump >1 mile

- Earth Flow & Earth Slump > 1 mile

Alluvial Fan <1 mile

- Alluvial Fan <1 mile

Alluvial Fan >1 mile

- Alluvial Fan >1 mile

Landslide Incidence and Susceptibility

- High Landslide Incidence
- Moderate Landslide Incidence
- High Landslide Susceptibility/Low Incidence

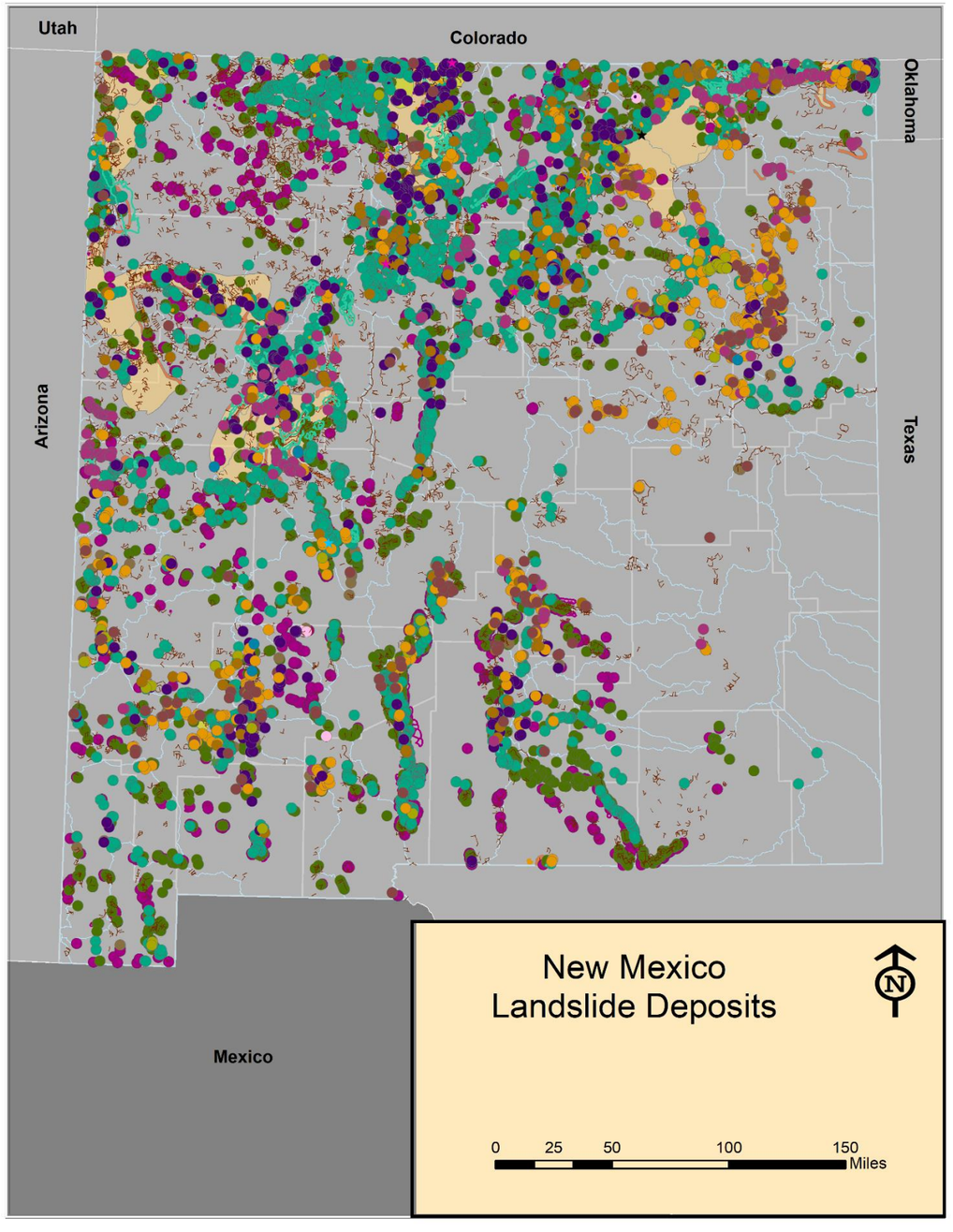


Figure 31 – Landslide deposit from Brabb et al. 1982s.

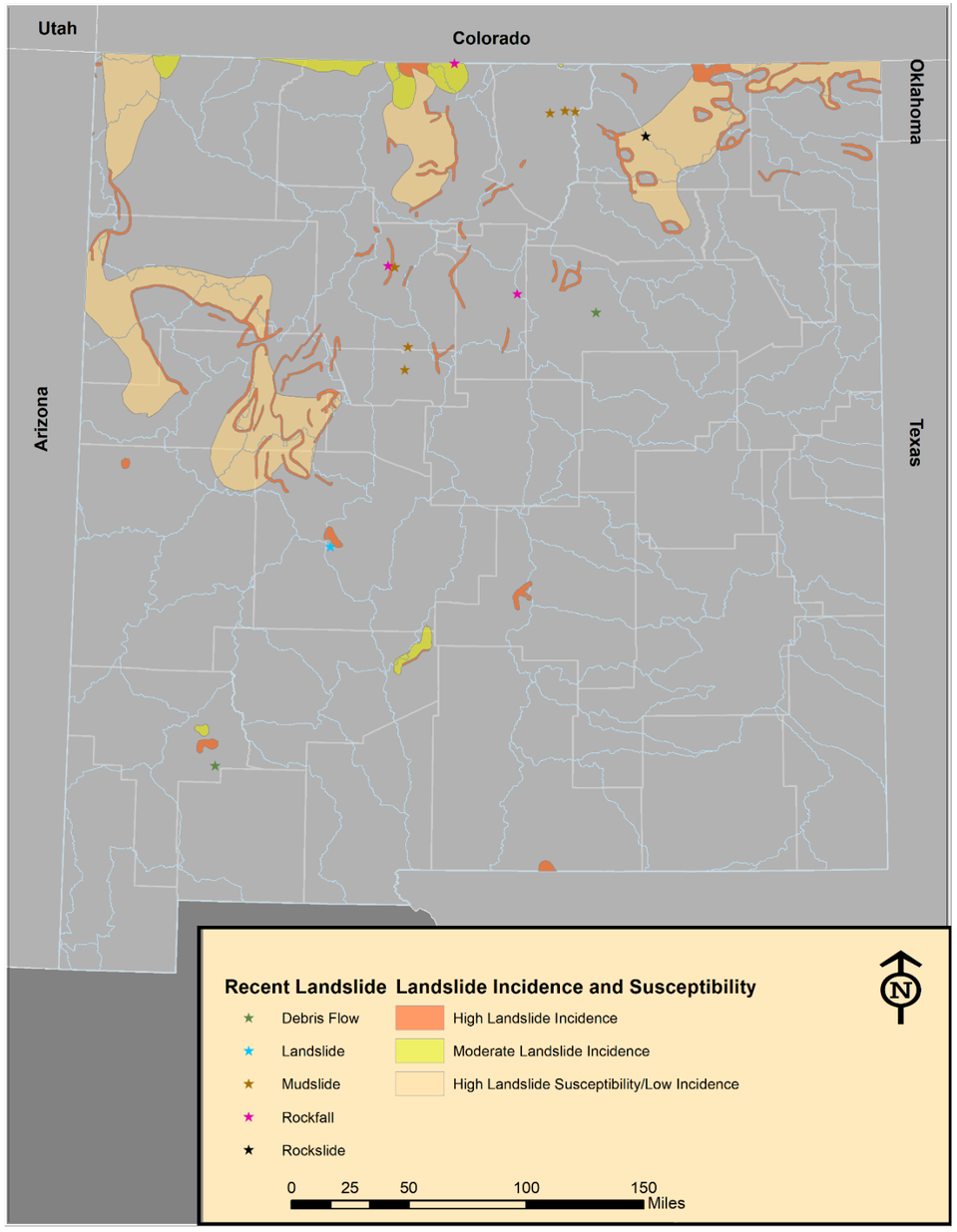


Figure 32 –Recent Landslide Deposits and Lanslide Incidence from Radbruch-et al. 1982.

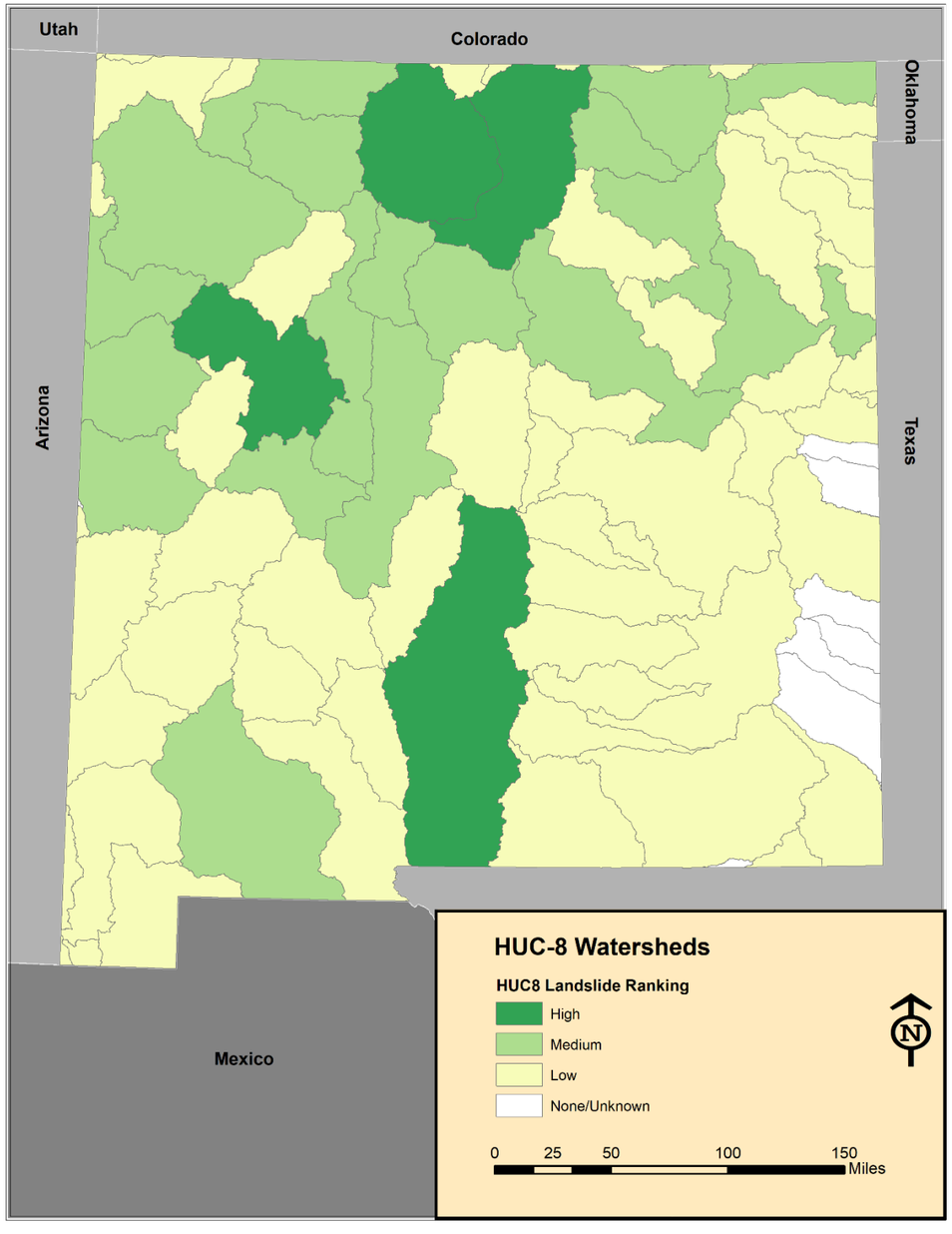


Figure 33 – HUC-8 Watershed Landslide Ranking.

Landslide MHRP Individual Watershed Page Glossary

The MHRP page for each watershed contains a summary of landslide information for that area.

Watershed Landslide Risk

This table provides a breakdown of percentage of each landslide hazard potential for the watershed.

Watershed Landslide Incidence

The 1982 map was prepared by Dorothy H. Radbruch-Hall, Roger B. Colton, William E. Davies, Ivo Lucchitta, Betty A. Skipp, and David J. Varnes evaluating geologic formations or groups of formations as being of high, medium, or low susceptibility to landsliding and classified the formations as having high, medium, or low landslide incidence (number of landslides) is the only statewide landslide polygon dataset for New Mexico. The authors defined susceptibility to landsliding as the probable degree of response of the areal rocks and soils to natural or artificial cutting or loading of slopes or to anomalously high precipitation. High, medium, and low susceptibility are delimited by the percentages given below for classifying the incidence of landsliding. Susceptibility was not indicated where lower than incidence. The map units were classified into three incidence categories according to the percentage of the area involved in landslide processes. Area involved in landsliding Incidence >15% High 1.5-15% Medium <1.5% Low.

This analysis only reports areas with High Landslide Incidence, Moderate Landslide Incidence and High Landslide Susceptibility and Low Incidence. The square miles and percentage of the watershed represent by these categories are included.

Watershed Characteristics

This table has the total numbers of landslide deposits in the watershed broken down by type including Rockfalls and topples, escarpments and landslide scarps, shallow landslide deposits and deep-seated landslide deposits. These categories reflect the classification utilized by Cardinali, Guzzetti, and Brabb in their original analysis including rockfalls and topples, escarpments and landslide scarps, shallow landslide deposits, deep-seated landslide deposits, hummocky topography and complex landslides. The landslide data is available at http://rgis.unm.edu/.

Lidar Data Availability

This field lists any Lidar data available for the watershed.

Hazards Cumulative Risk Score

To determine the overall risk category of each watershed, the final overall ranking, Low, Medium, or High, for each watershed was run through a logical analysis. If the watershed has at least one 'High' risk hazard, it cannot be low. Conversely, if the watershed has no high categorization for any of the three hazards, it cannot be high. The logic can be found below:

Overall Risk Determination Logic

$$If\ not\ H, then\ (M\ or\ L)$$

$$If\ (not\ H\ and\ not\ M), then\ L$$

$$If\ 2\ H, then\ H$$

$$If\ 2\ M, then\ M$$

$$If\ 2\ L, then\ L$$

$$If\ [(1\ H\ and\ 1\ M)\ and\ 1\ L]\ then\ Professional\ Judgement$$

Figure 34, shows the Cumulative Risk rank for Flood, Wildfire and Landslide risk in New Mexico, Table 7 lists the cumulative ranks for each watershed.

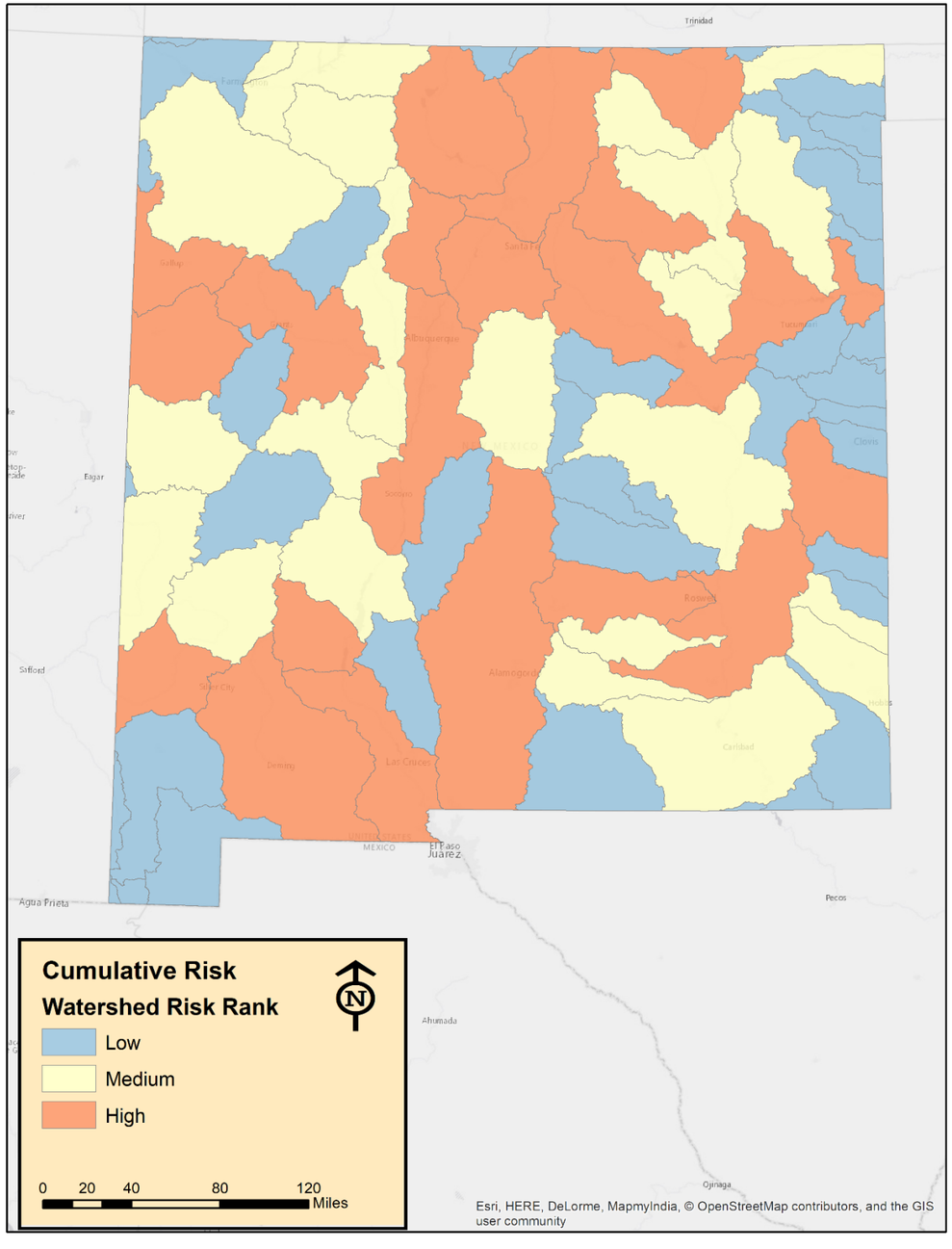


Figure 34 – Watershed Cumulative Risk Ranking.

Table 7 – HUC-8 Cumulative Risk Rank.

Watershed Name	HUC-8	Overall Risk Rank	Wildfire Risk	Flood Risk	Landslide Risk
Alamosa-Trinchera	13010002	Low	Low	Low	Low
Animas	14080104	Medium	Medium	Medium	Medium
Animas Valley	15040003	Low	Low	Medium	Low
Arroyo Chico	13020205	Low	Low	Medium	Medium
Arroyo Del Macho	13060005	Low	Low	Medium	Medium
Blackwater Draw	12050002	Low	Low	Medium	Medium
Blanco Canyon	14080103	Medium	Low	Medium	Low
Caballo	13030101	High	High	High	Low
Canadian Headwaters	11080001	High	High	High	Medium
Carrizo	11090104	Low	Low	Low	Low
Carrizo Wash	15020003	Medium	Medium	Medium	Low
Chaco	14080106	Medium	Low	High	Low
Chinle	14080204	Low	Low	Low	Low
Cimarron	11080002	Medium	High	Medium	Low
Cimarron Headwaters	11040001	Medium	Medium	Medium	Low
Cloverdale	15080303	Low	Low	Low	Low
Coldwater	11100103	Low	Low	Low	None
Conchas	11080005	Medium	Medium	Medium	Low
Conejos	13010005	Low	Low	Low	Low
Delaware	13070002	Low	Low	Low	Low
Eastern Estancia	13050002	Low	Low	Low	None
El Paso-Las Cruces	13030102	High	Medium	High	None
Elephant Butte Reservoir	13020211	Medium	Medium	Medium	None
Gallo Arroyo	13060006	Low	Low	Low	None
Jemez	13020202	High	High	High	None
Jornada Del Muerto	13020210	Low	Low	Low	None
Jornada Draw	13030103	Low	Low	Medium	Low
Landreth-Monument Draws	13070007	Low	Low	Medium	Low
Little Colorado Headwaters	15020001	Low	Low	Low	High
Lost Draw	12080001	Low	Medium	Low	High
Lower Pecos-Red Bluff Reservoir	13070001	Low	Low	Low	Medium
Lower San Juan-Four Corners	14080201	Low	Low	Low	Medium
Mancos	14080107	Low	Low	Low	Medium
Middle Canadian-Trujillo	11090101	Low	High	Low	Medium
Middle San Juan	14080105	Low	Low	High	Low
Mimbres	13030202	High	High	High	Low
Monument-Seminole Draws	12080003	Medium	High	Medium	High
Mora	11080004	High	High	High	Low
Mustang Draw	12080004	Medium	Medium	Medium	Medium
North Plains	13020206	Low	Medium	Low	Low
Palo Duro	11120102	Low	Low	Low	Low
Pecos Headwaters	13060001	High	High	High	Low
Pintada Arroyo	13060002	Low	Low	Low	Low
Plains of San Agustin	13020208	Low	Medium	Low	Low
Playas Lake	13030201	Low	Low	Low	Low
Punta de Agua	11090102	Low	Low	Medium	Medium
Purgatoire	11020010	Low	Medium	Low	None
Revuelto	11080008	Low	Medium	Low	Low
Rio Chama	13020102	High	High	High	Low
Rio Felix	13060009	Medium	Medium	Medium	High
Rio Grande-Albuquerque	13020203	High	High	High	Low
Rio Grande-Fort Quitman	13040100	Low	Low	Low	Medium
Rio Grande-Santa Fe	13020201	High	High	High	Low
Rio Hondo	13060008	High	High	High	Low
Rio Penasco	13060010	Medium	High	Medium	Low
Rio Puerco	13020204	Medium	Medium	Medium	Low
Rio Salado	13020209	Medium	Medium	Medium	Low
Rio San Jose	13020207	High	Medium	High	Low
Rita Blanca	11090103	Low	Medium	Low	Low
Running Water Draw	12050005	Low	Low	Low	Low
Salt Basin	13050004	Low	Medium	Low	Low
San Bernardino Valley	15080302	Low	Low	Low	Low
San Francisco	15040004	Medium	High	Medium	Low
San Simon	15040006	Low	Low	Low	None
Sulphur Springs Draw	12080006	Low	Medium	Low	Low
Taiban	13060004	Low	Low	Low	Medium
Tierra Blanca	11120101	Low	Low	Low	Medium
Tularosa Valley	13050003	High	High	High	Low
Upper Beaver	11100101	Low	Medium	Low	Low
Upper Canadian	11080003	Medium	Medium	Medium	Medium
Upper Canadian-Ute Reservoir	11080006	High	High	High	Low
Upper Cimarron	11040002	Low	Low	Low	Low
Upper Gila	15040001	Medium	High	Medium	Low
Upper Gila-Mangas	15040002	High	High	High	Low
Upper Little Colorado	15020002	Low	Low	Low	None
Upper Pecos	13060003	Medium	High	Medium	Medium
Upper Pecos-Black	13060011	Medium	Medium	High	Medium
Upper Pecos-Long Arroyo	13060007	High	High	High	Medium
Upper Puerco	15020006	High	High	High	Low
Upper Rio Grande	13020101	High	High	High	Low
Upper San Juan	14080101	Medium	Medium	High	Low
Ute	11080007	Medium	Medium	Medium	Low
Western Estancia	13050001	Medium	Medium	High	Low
Yellow House Draw	12050001	High	High	High	Low
Zuni	15020004	High	High	High	Low

New Mexico Lidar Update

The latest resource which is being utilized to collect prerequisite data to conduct flood risk analysis is Lidar. For large area Lidar acquisitions, such as those used to develop flood risk data, Lidar consists of a laser that emits pulses of light, sensors that calculate how long it takes for those pulses of light to bounce off of a surface and return to the sensor, and navigation equipment such as GPS and an Inertial Measurement Unit (IMU). All of these objects are attached to an airborne platform such as an airplane. Using GPS and the IMU, the plane calculates its location. Simultaneously, the sensors determine the distance from the plane to the ground using the time it takes for the laser to leave the sensor and bounce back. This information is combined to create a highly detailed model of the earth's surface known as a digital elevation model (DEM). The DEM is incorporated into hydrologic and hydraulic modeling software to improve the accuracy of flood risk products and analysis. Lidar data is typically at least an order of magnitude greater in terms of spatial and vertical accuracy and replaces the USGS 10 meter DEMs that were a source of problems in past mapping and analysis efforts. New Mexico has formed a 3D Elevation Program Subcommittee to plan the acquisition of Lidar for the State, additional watersheds and areas are scheduled for future collection (Figure 35).

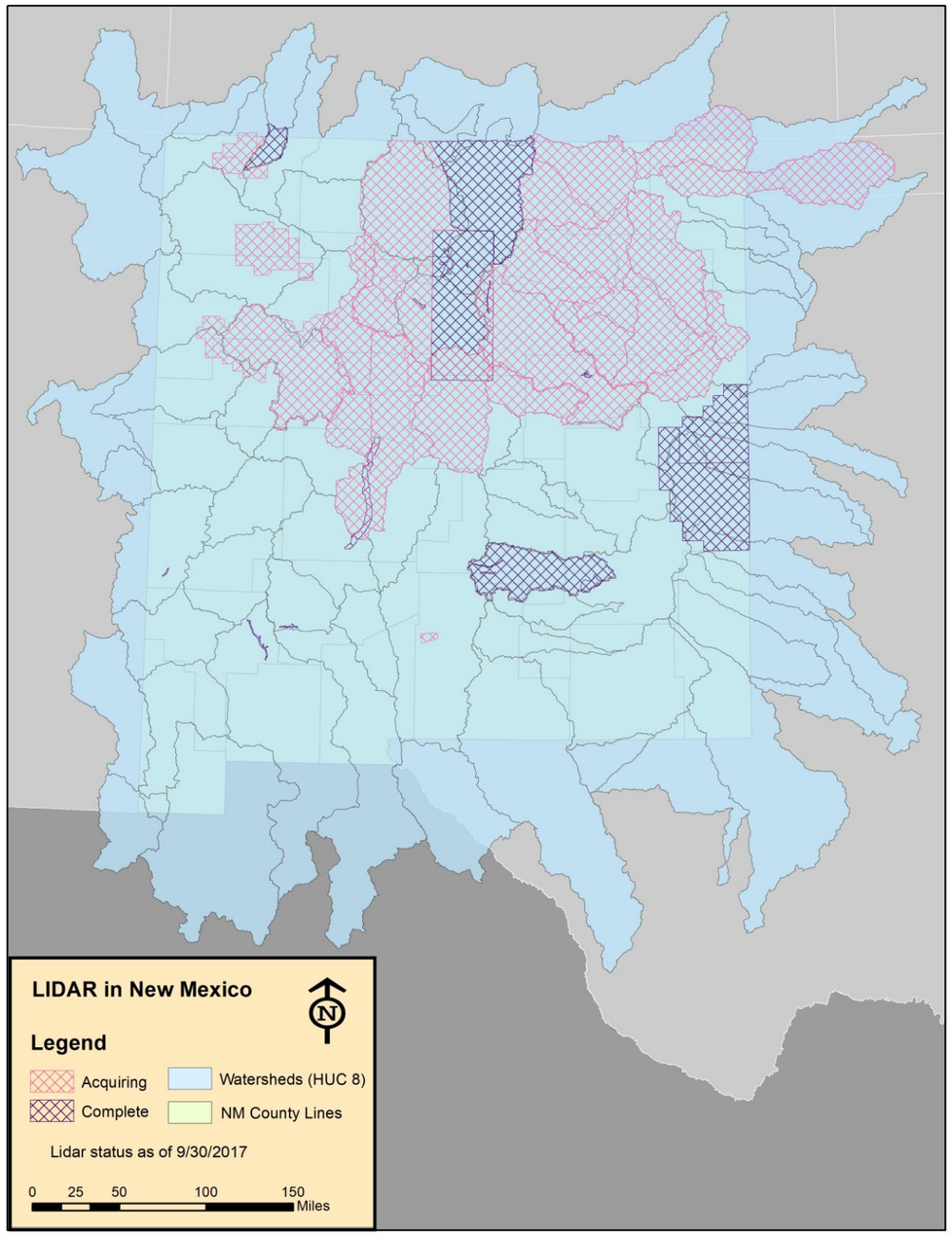


Figure 35 – Lidar extent in New Mexico.

MHRP Interactive Maps and Data

GIS data used to create the maps for the Multi-Hazard Risk Portfolio is available for download from the New Mexico GIS Data Clearinghouse - RGIS Geospatial Clearinghouse http://rgis.unm.edu/.

An interactive map with watershed aggregated data is available online at http://arcg.is/1NKlf1U. See Figure 36.

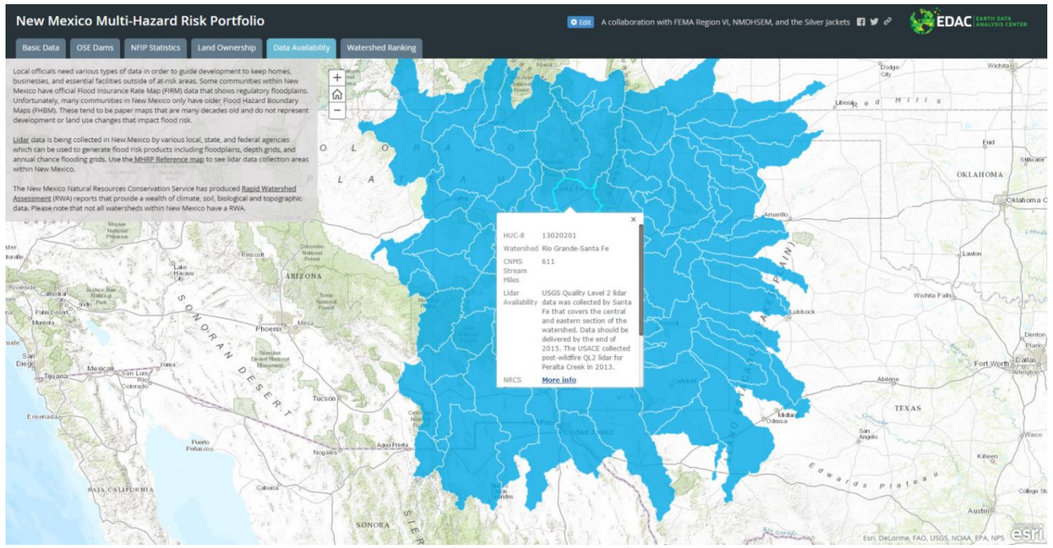


Figure 36 – MHRP Storymap.

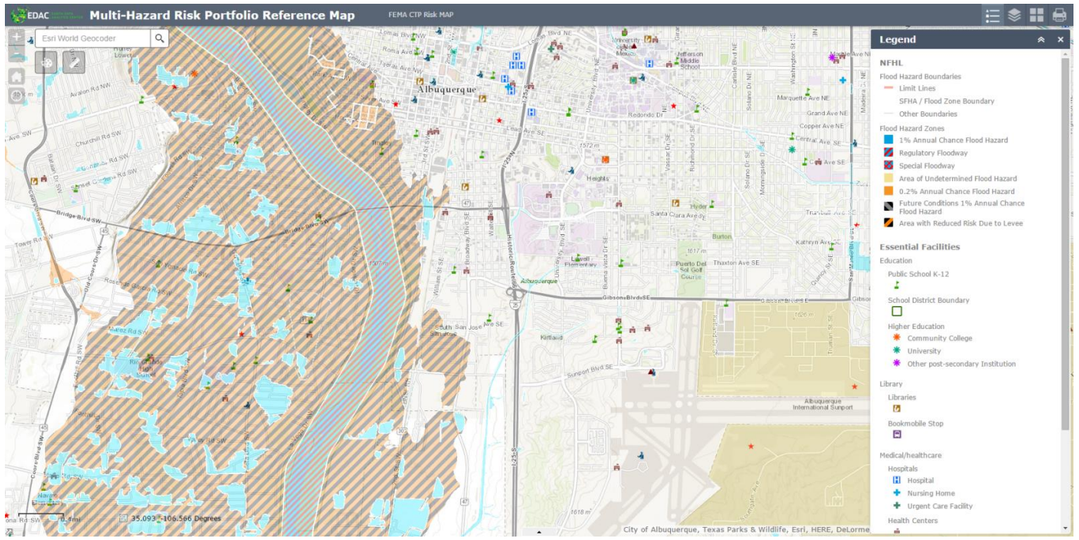
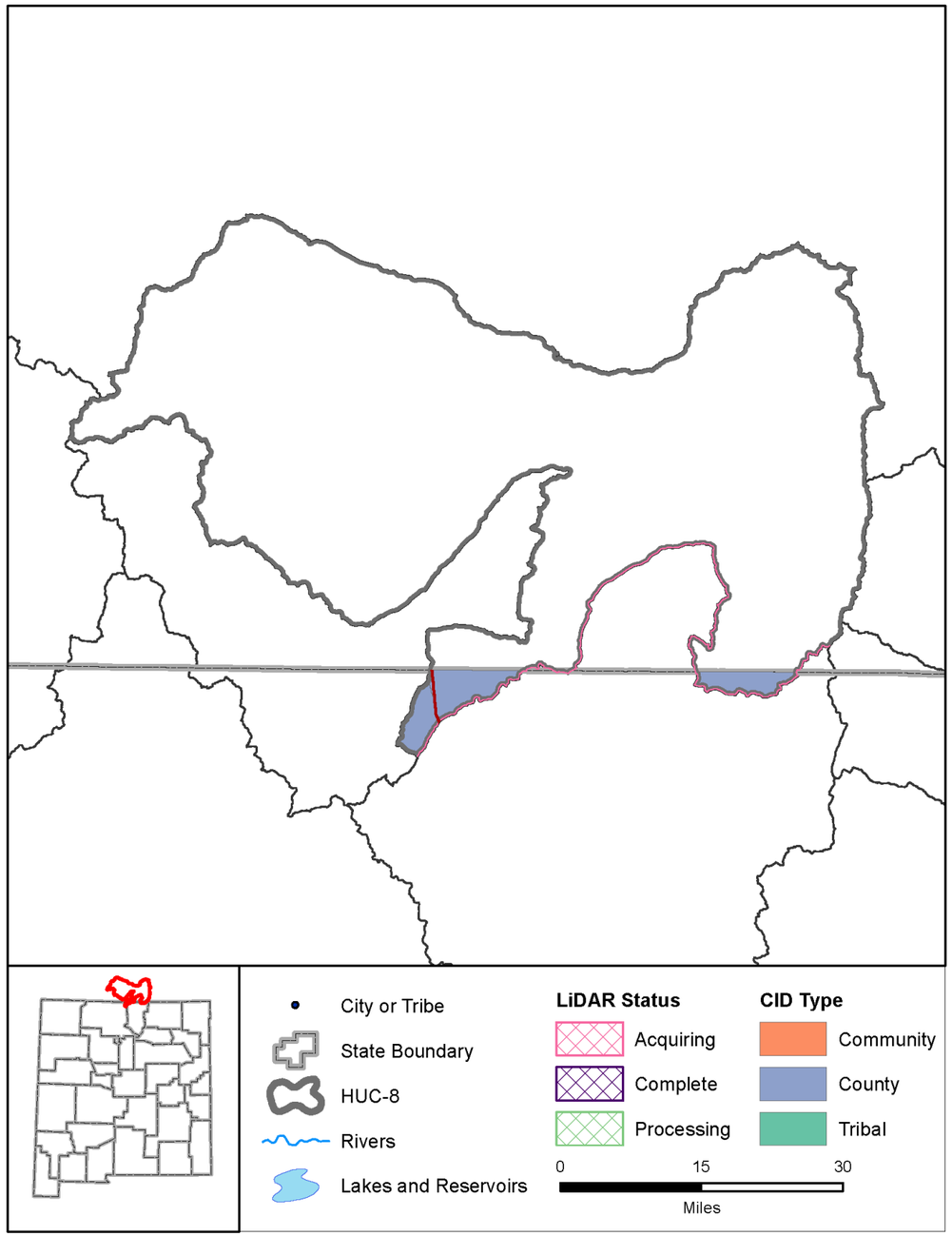


Figure 37 – Interactive Web-map of MHRP data.

There is also a reference map with detailed information available at http://arcg.is/1KyIcAE. See Figure 37.

Multi-Hazard Risk Portfolio Watershed Maps



Alamosa-Trinchera

Description

The Alamosa-Trinchera watershed is home to approximately 1,000 people along the northern border of New Mexico. The watershed has significant topographic relief from the San Juan and Sangre de Cristo Mountains. Vega Creek, Jarocito Creek, and Ventero Creek are the major hydrologic features. FIRM data is limited within the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Colorado.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

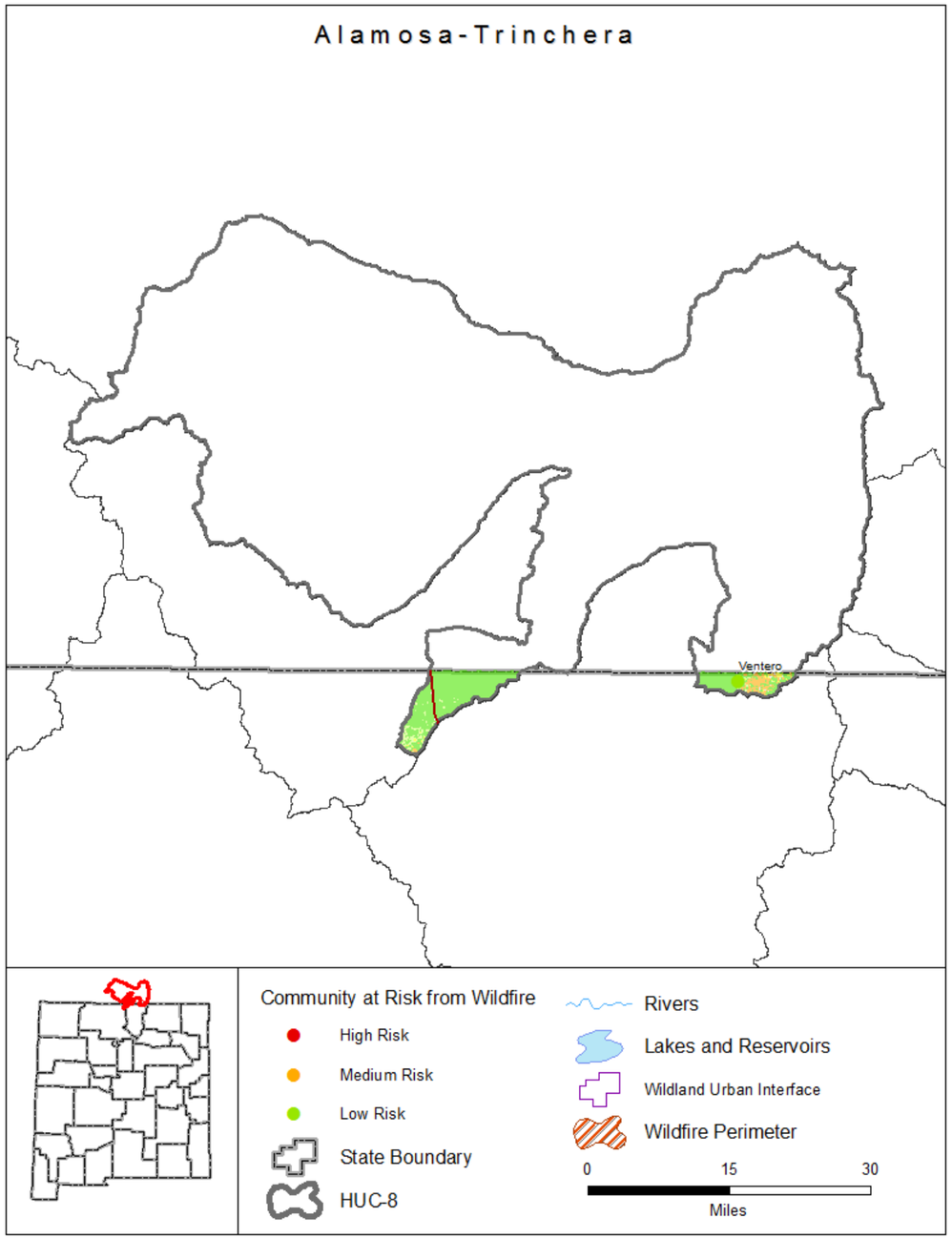
Watershed 13010002

Watershed Characteristics	
Area (sq mi)	2,538
Population in NM	906
CNMS Streams (mi)	16
Maximum Elevation (feet)	12,885
Minimum Elevation (feet)	7,569
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	2.87 %
Private	29.95 %
State	6.71 %
Tribal	0 %
Federal	63.23 %
States	CO, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Alamosa-Trinchera

Risk Rank: Low

Description

The Alamosa-Trinchera watershed is at low risk of wildfire. No communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the New Mexico portion of the watershed in FY 2017.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13010002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	83%
Low	6%
Moderate	2%
High	8%
Very High	0%
Non-Burnable	1%
Water	0%

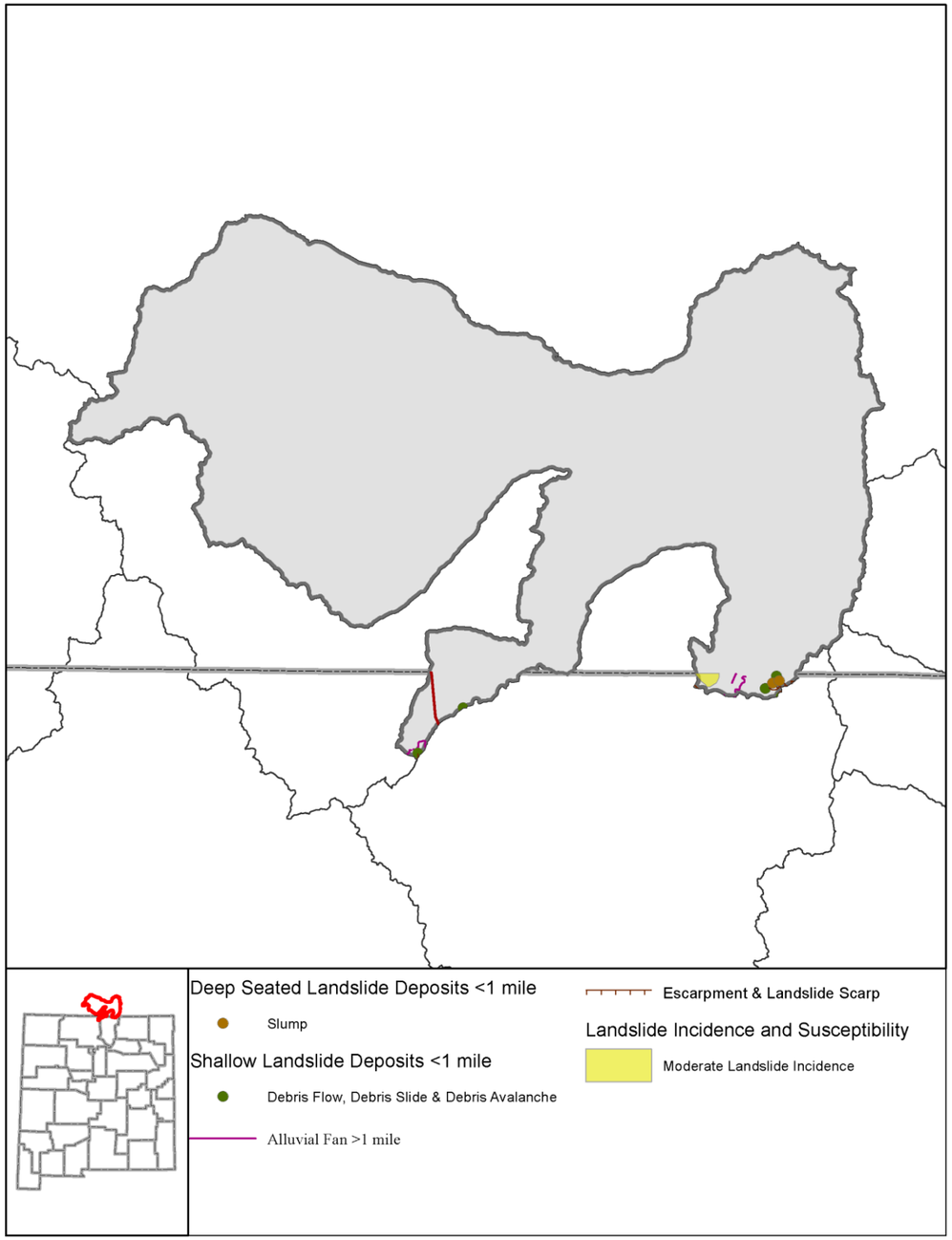
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Alamosa-Trinchera

Risk Rank: Low

Description

The Alamosa-Trinchera watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 lidar for the New Mexico portion of the watershed in 2017.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	73	3%

Watershed 13010002

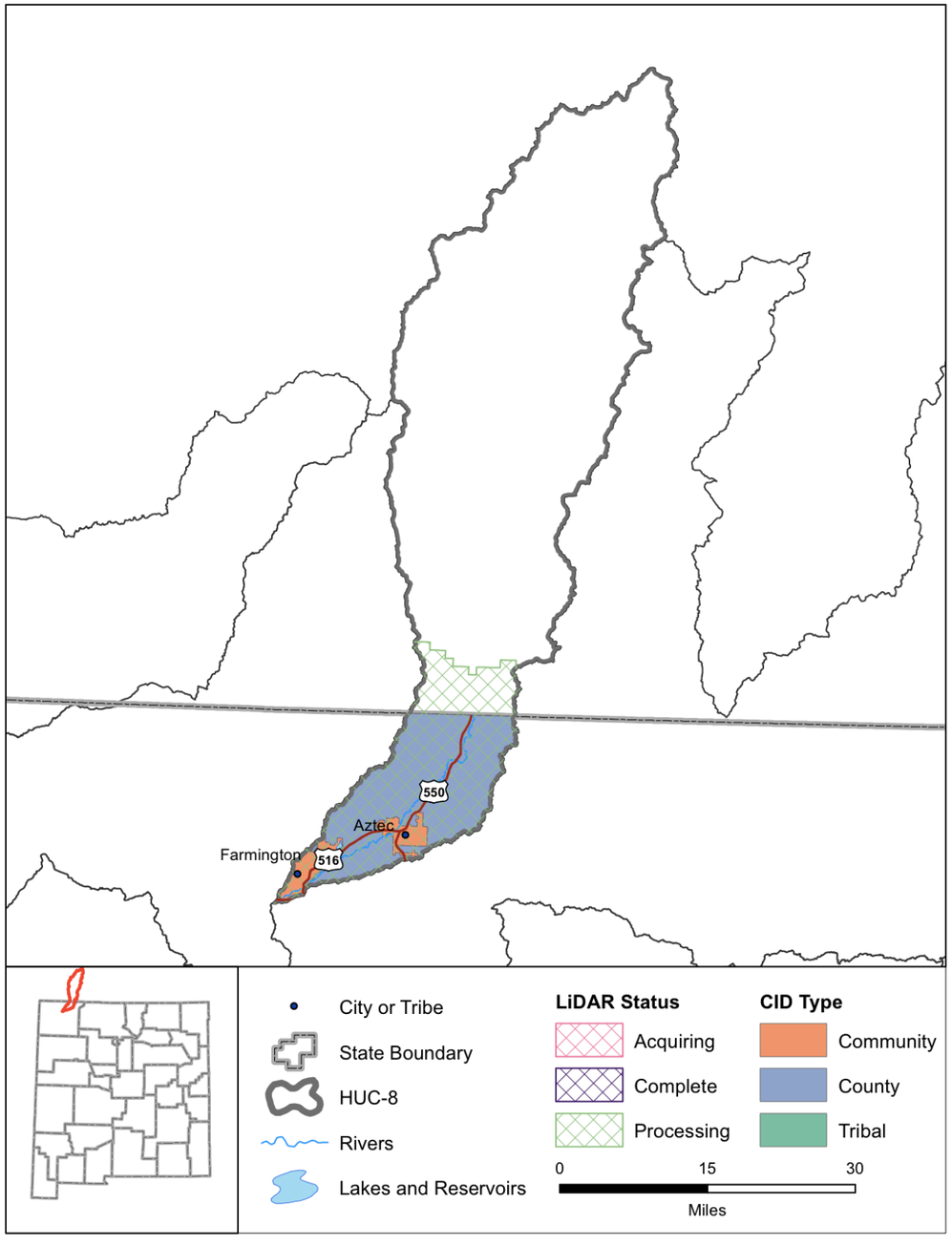
Rockfalls & Topples	0
Escarpments & Landslide Scarps	3

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	3
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	6
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	14



Animas

Description

The Animas watershed is home to approximately 38,000 people in New Mexico and is located on the northern border of the state. Approximately 17% of the watershed is located in New Mexico. The watershed is part of the San Juan mountains. The Animas River is the primary hydrologic feature with smaller intermittent tributaries. FIRM data is fairly extensive within the watershed and lidar data will be available in 2015. The Risk MAP program will be started in 2015 for the watershed.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected in the fall of 2014 for the entire New Mexico portion of the watershed with an expected delivery in fall or 2015.

Counties

San Juan

Communities

Aztec, Farmington

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

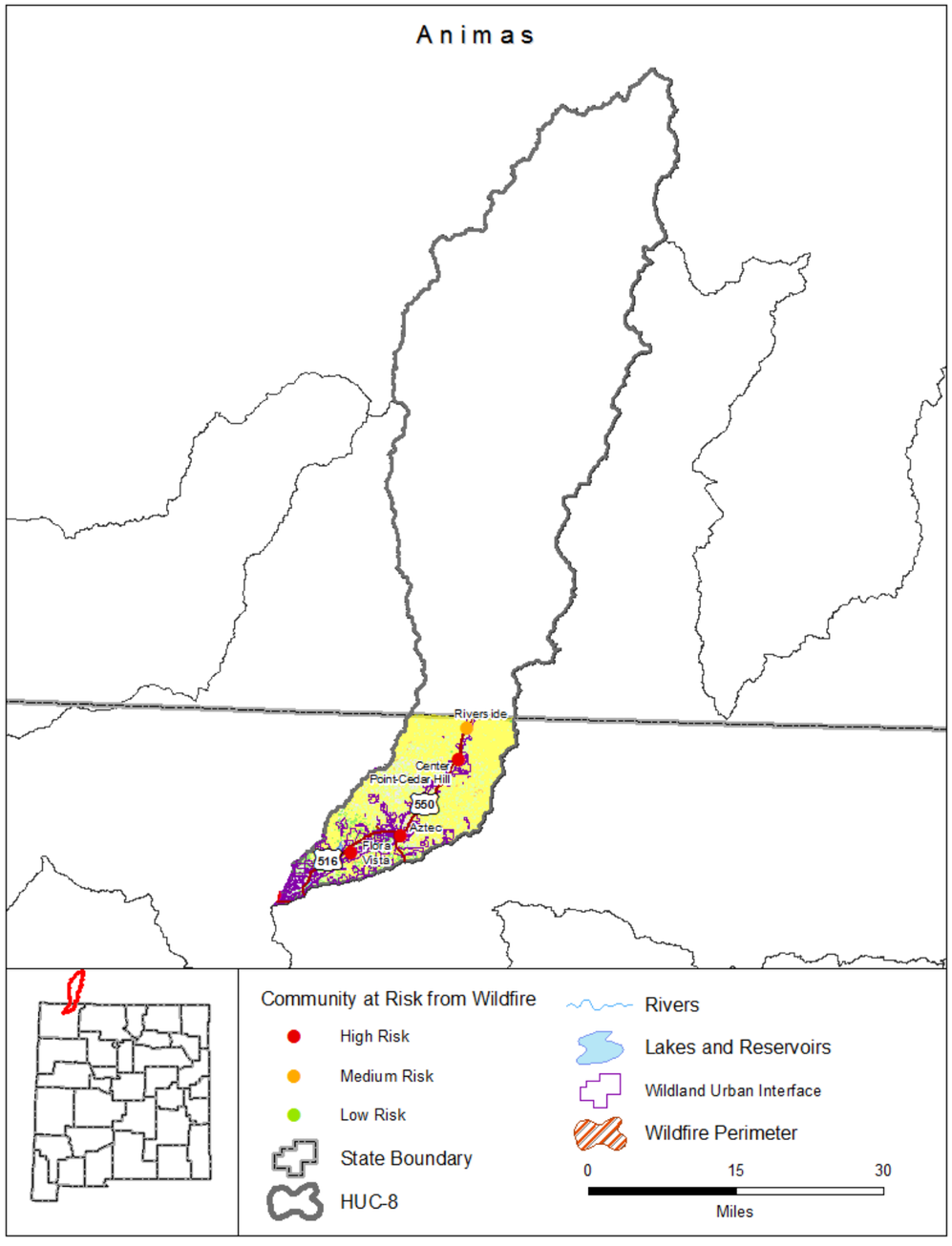
Watershed 14080104

Watershed Characteristics	
Area (sq mi)	1,371
Population in NM	38,156
CNMS Streams (mi)	117
Maximum Elevation (feet)	7,227
Minimum Elevation (feet)	5,250
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	16.45 %
Private	40.7 %
State	7.87 %
Tribal	0 %
Federal	51.37 %
States	CO, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	171
Policies within the SFHA	88
Policies outside of the SFHA	83
NFIP Premium Total	$ 166,595
NFIP Claims	21
Claims within the SFHA	12
Claims outside of the SFHA	9
Paid Claims	$ 272,308
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Animas

Risk Rank: Medium

Description

The Animas watershed is at medium risk of wildfire, although the local Community Wildfire Protection Plan identified a total of 4 communities at risk. The communities of Aztec, Center Point-Cedar Hill, Flora Vista were identified has high risk. The Risk MAP program conducted Discovery for the watershed in July of 2016.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected in the fall of 2014 by FEMA.

Counties

San Juan

Communities

Aztec, Farmington

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Aztec, Center Point-Cedar Hill, Flora Vista

Watershed 14080104

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	8%
Low	23%
Moderate	57%
High	1%
Very High	0%
Non-Burnable	11%
Water	1%

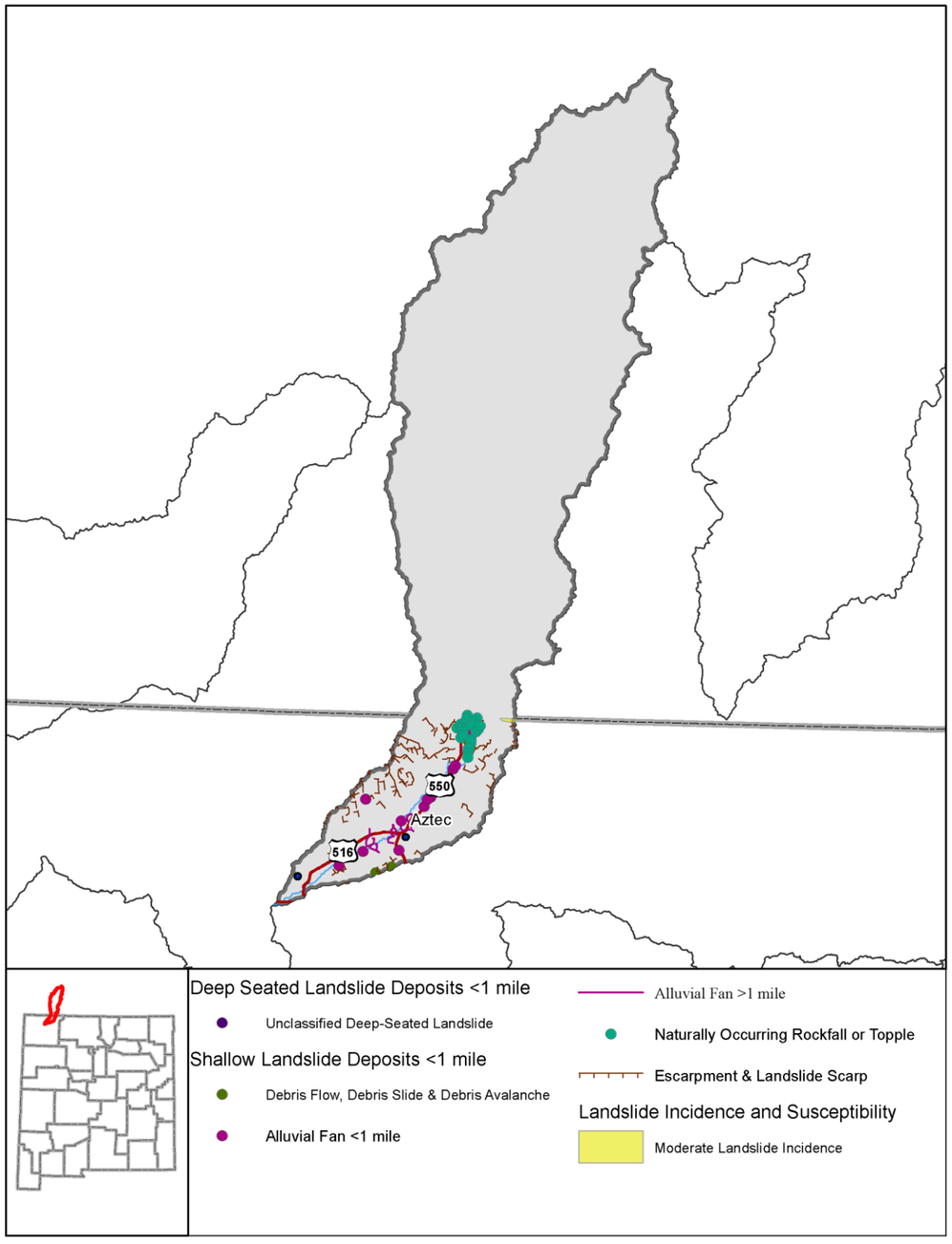
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	17

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	11.1%
Intermix	14.73%
	Acres
Interface	16,026
Intermix	21,274
WUI Addressed Structures	281

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	4
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	1,280



Animas

Risk Rank: Low

Description

The Animas watershed is low risk of landslide processes.

Lidar Data Availability

USGS Quality Level 2 Lidar data was collected in the fall of 2014 by FEMA.

Counties

San Juan

Communities

Aztec, Farmington

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	226	16%

Watershed 14080104

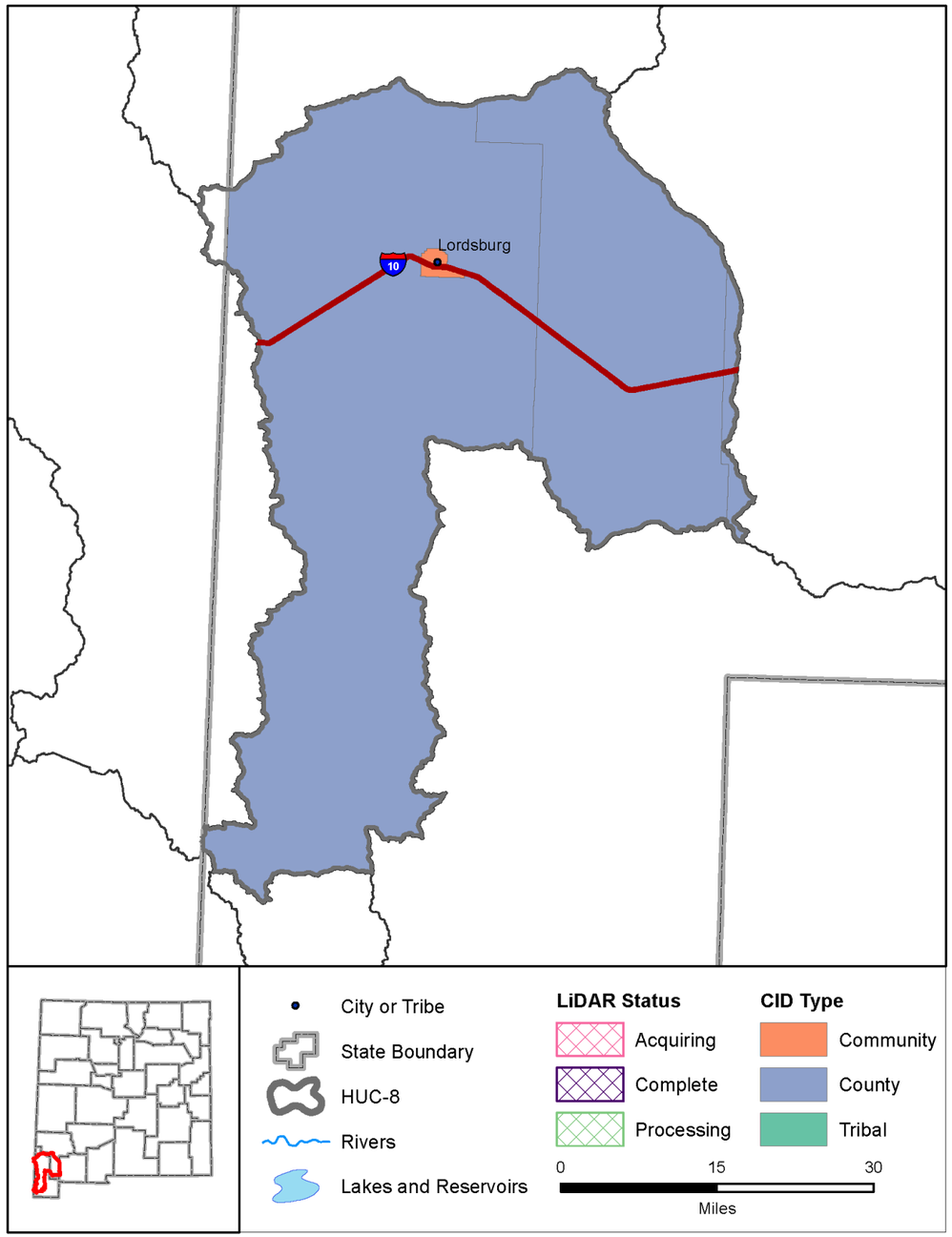
Rockfalls & Topples	20
Escarpments & Landslide Scarps	56

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	5
Alluvial Fan < 1mile	13
Alluvial Fan >1 mile	7
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	101



Animas Valley

Description

The Animas Valley watershed is home to approximately 5,000 people and is located in southwestern New Mexico. The major topographic feature is the Animas Valley with small intermittent streams. There is limited FIRM data within the watershed and no lidar data. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Grant, Hidalgo, Luna

Communities

Lordsburg

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066032.pdf

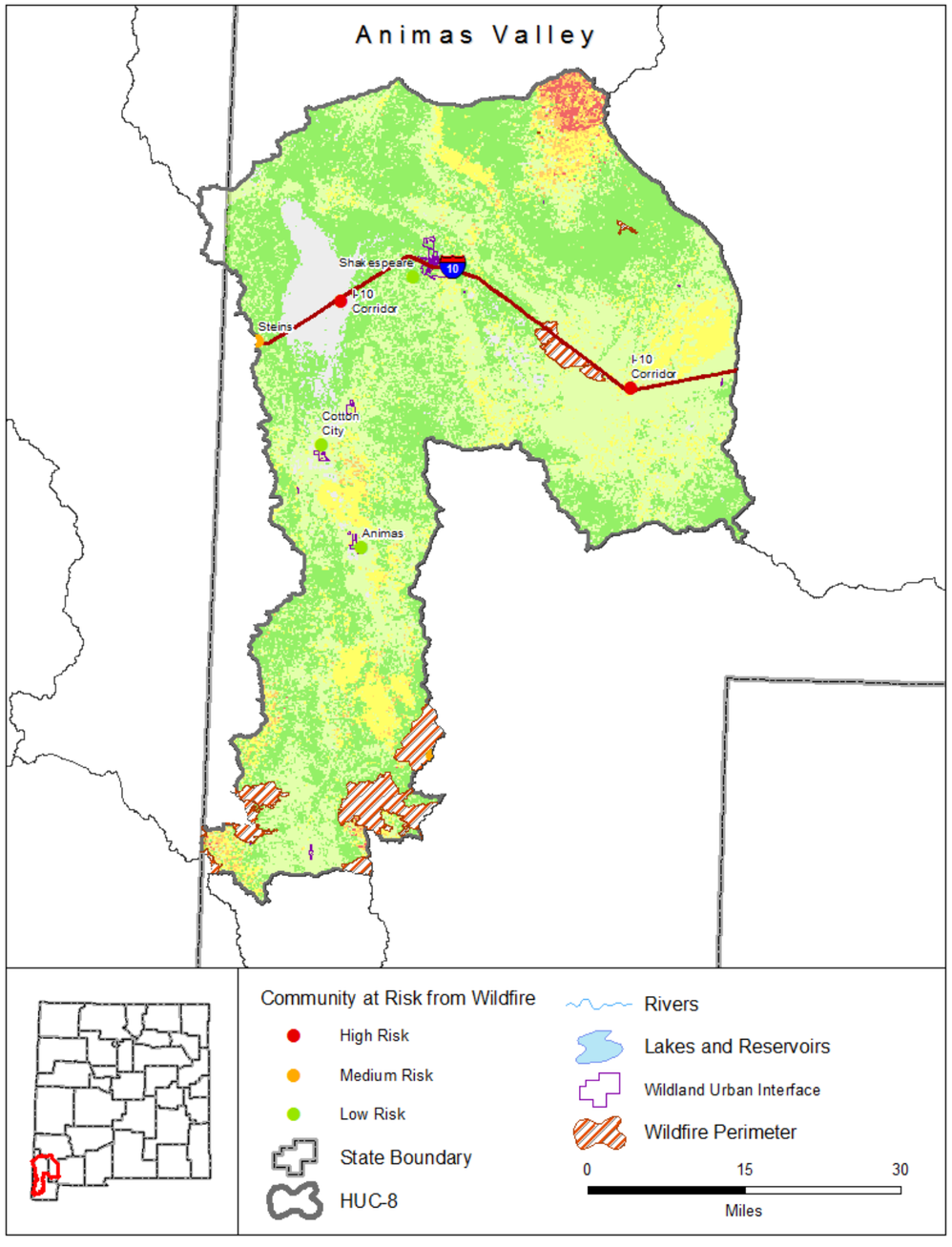
Watershed 15040003

Watershed Characteristics	
Area (sq mi)	2,269
Population in NM	5,222
CNMS Streams (mi)	288
Maximum Elevation (feet)	8,581
Minimum Elevation (feet)	4,135
High Hazard Potential Dams	0
Significant Hazard Potential Dams	3
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	99.23 %
Private	33.02 %
State	28.06 %
Tribal	0 %
Federal	38.92 %
States	NM, AZ

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	4
NFIP Communities	4
NFIP Policies	6
Policies within the SFHA	5
Policies outside of the SFHA	1
NFIP Premium Total	$ 2,416
NFIP Claims	3
Claims within the SFHA	2
Claims outside of the SFHA	1
Paid Claims	$ 27,828
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Animas Valley

Risk Rank: Low

Description

The Animas Valley watershed is at low risk of wildfire. The communities that were identified in the local Community Wildfire Protection Plan as being at high risk of wildfire are along the Interstate 10 corridor that runs east to west through the watershed. A total of 47,207 acres of land have burned during 20 wildfire events over the past ten years.

Lidar Data Availability

No significant lidar available.

Counties

Grant, Hidalgo, Luna

Communities

Lordsburg

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

I-10 Corridor

Watershed 15040003

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	44%
Low	39%
Moderate	10%
High	2%
Very High	1%
Non-Burnable	5%
Water	0%

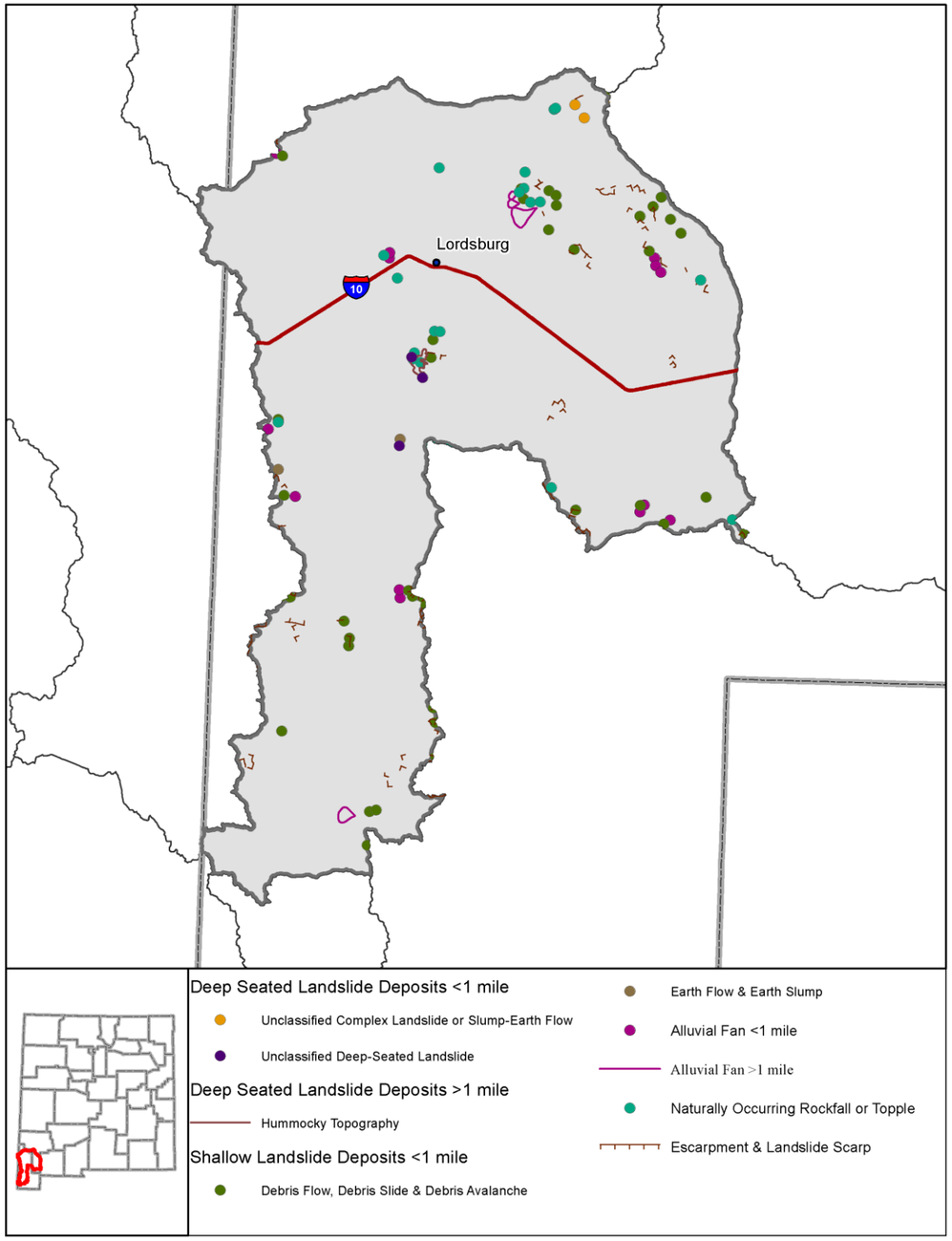
Watershed Characteristics	
Wildfires 2006-2016	20
Acres Burned 2006-2016	47,207

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.04%
Intermix	0.32%
	Acres
Interface	559
Intermix	4,620
WUI Addressed Structures	94

Communities at Risk from Wildland Fire	
High Risk	2
Medium Risk	1
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	7,040



Animas Valley

Risk Rank: Low

Description

The Animas Valley watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Grant, Hidalgo, Luna

Communities

Lordsburg

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2251	99%

Watershed 15040003

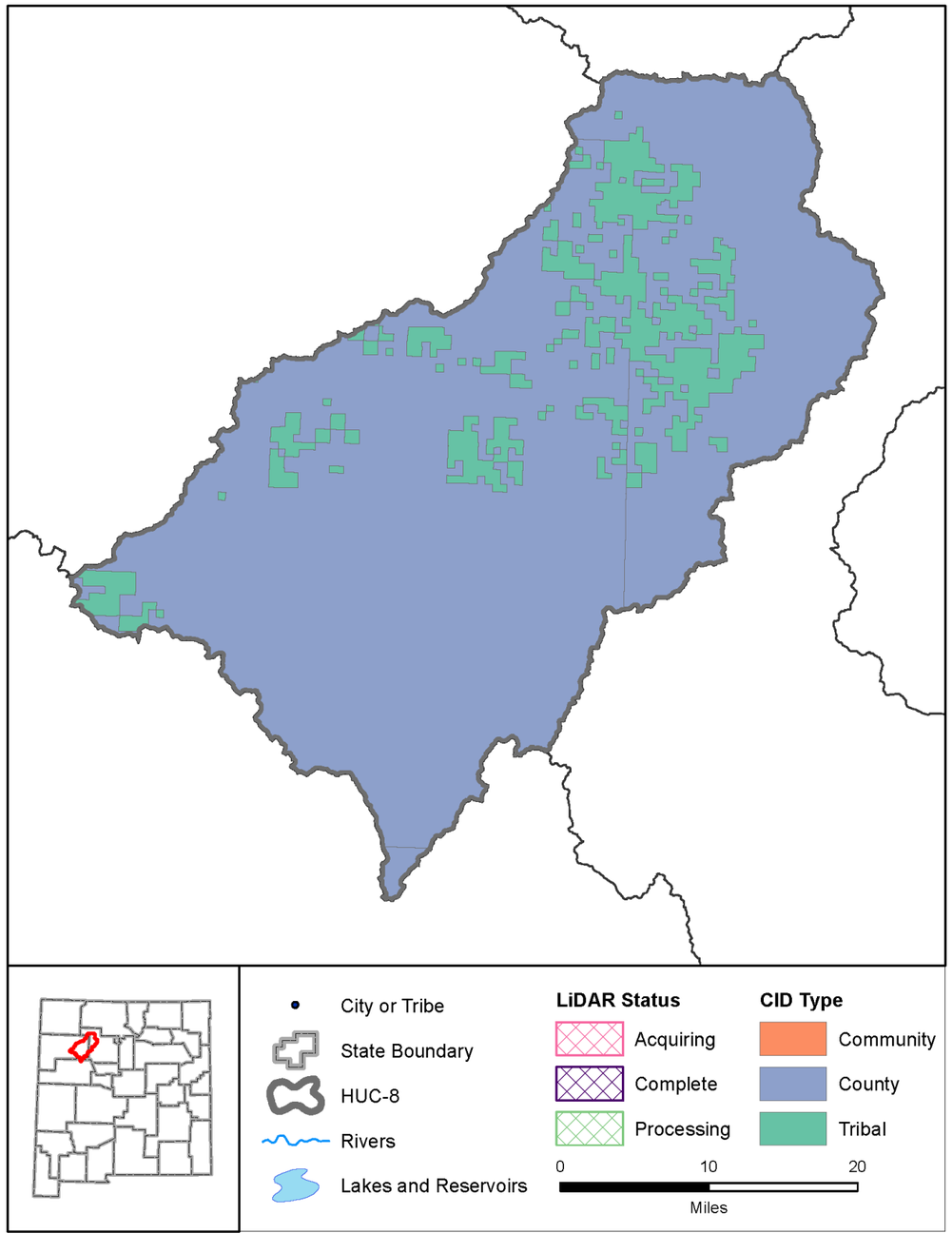
Rockfalls & Topples	19
Escarpments & Landslide Scarps	62

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	33
Alluvial Fan < 1mile	12
Alluvial Fan >1 mile	4
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	3
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	0
Total	144



Arroyo Chico

Description

The Arroyo Chico watershed is home to approximately 4,000 people in central New Mexico. The watershed has significant topographic relief including both Chaco and San Mateo Mesas. Arroyo Chico is the major hydrologic feature. FIRM data is widely available except on tribal land. There is no lidar data available within the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Cibola, McKinley, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066023.pdf

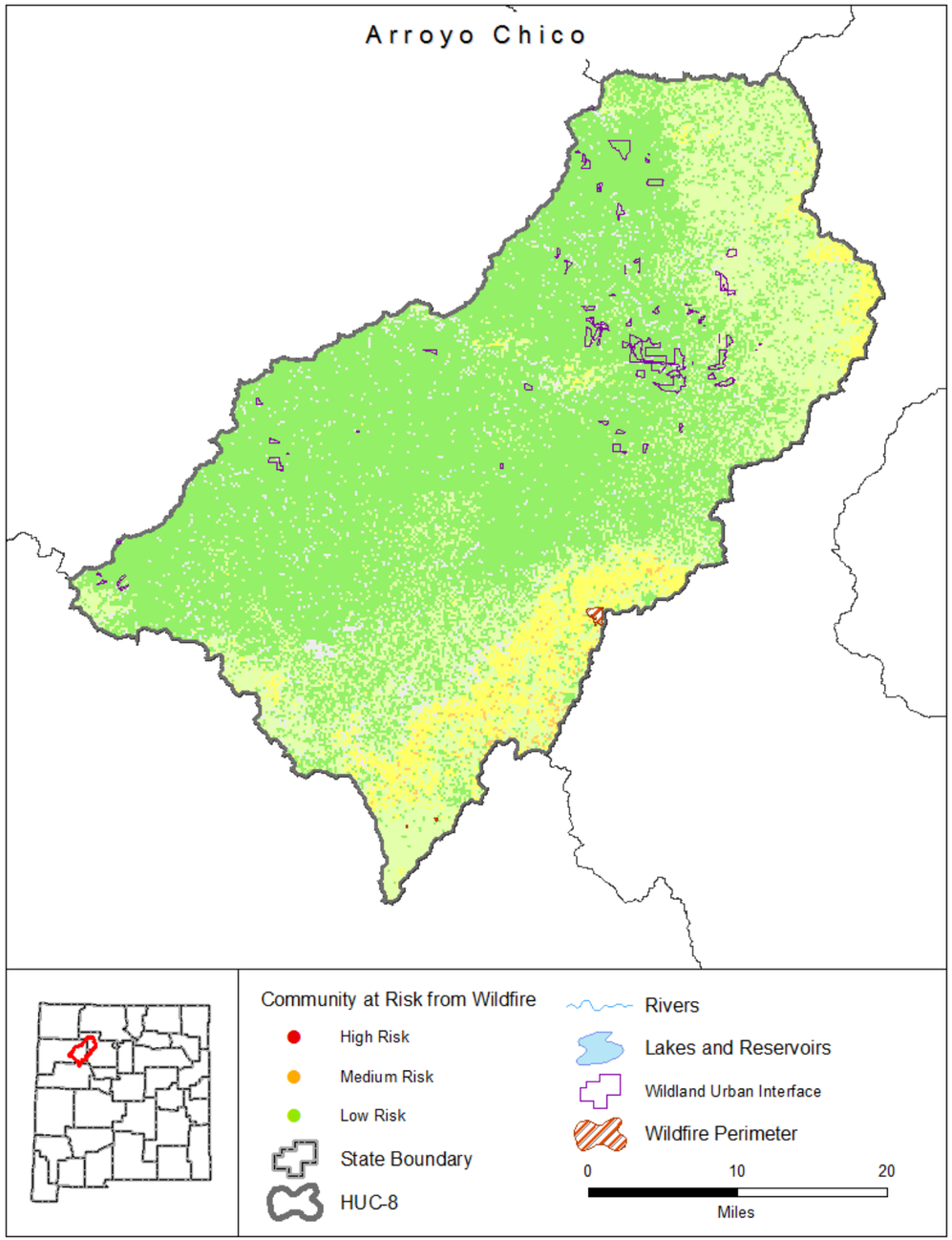
Watershed 13020205

Watershed Characteristics	
Area (sq mi)	1,376
Population in NM	3,733
CNMS Streams (mi)	542
Maximum Elevation (feet)	10,753
Minimum Elevation (feet)	5,889
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	9

Ownership	
Percent in New Mexico	100 %
Private	34.33 %
State	6.01 %
Tribal	18.12 %
Federal	41.54 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	4
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Arroyo Chico

Risk Rank: Low

Description

The Arroyo Chico watershed is at low risk of wildfire. No communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017 for small portions of the watershed in the south and west.

Counties

Cibola, McKinley, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13020205

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	63%
Low	26%
Moderate	7%
High	0%
Very High	0%
Non-Burnable	4%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	3
Acres Burned 2006-2016	547

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.94%
	Acres
Interface	1
Intermix	8,242
WUI Addressed Structures	105

Communities at Risk from Wildland Fire

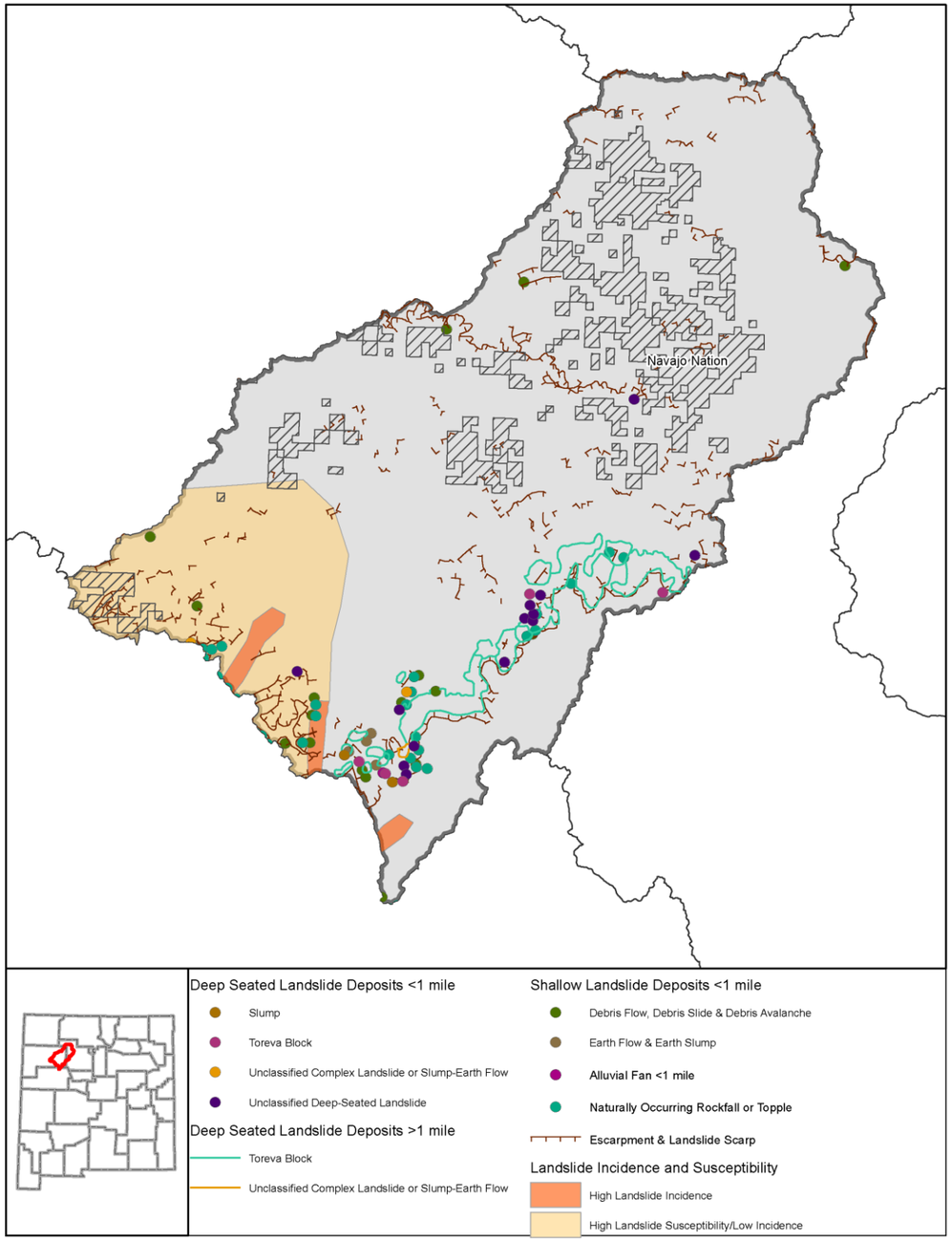
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	3
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	29,440



Arroyo Chico

Risk Rank: Low

Description

The Middle San Juan watershed is at low risk of landslide processes.

Lidar Data Availability

The BLM collected USGS QL2 Lidar in 2017 for a portion of the east central part of the watershed.

Counties

San Juan

Communities

Farmington

Tribal Nations

Navajo Nation, Ute Mountain Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	8	4%
High landslide incidence (> 15% of the area is involved in landsliding)	5	0%
High susceptibility to landsliding and low incidence	468	24%
Total	1234	63%

Watershed 13020205

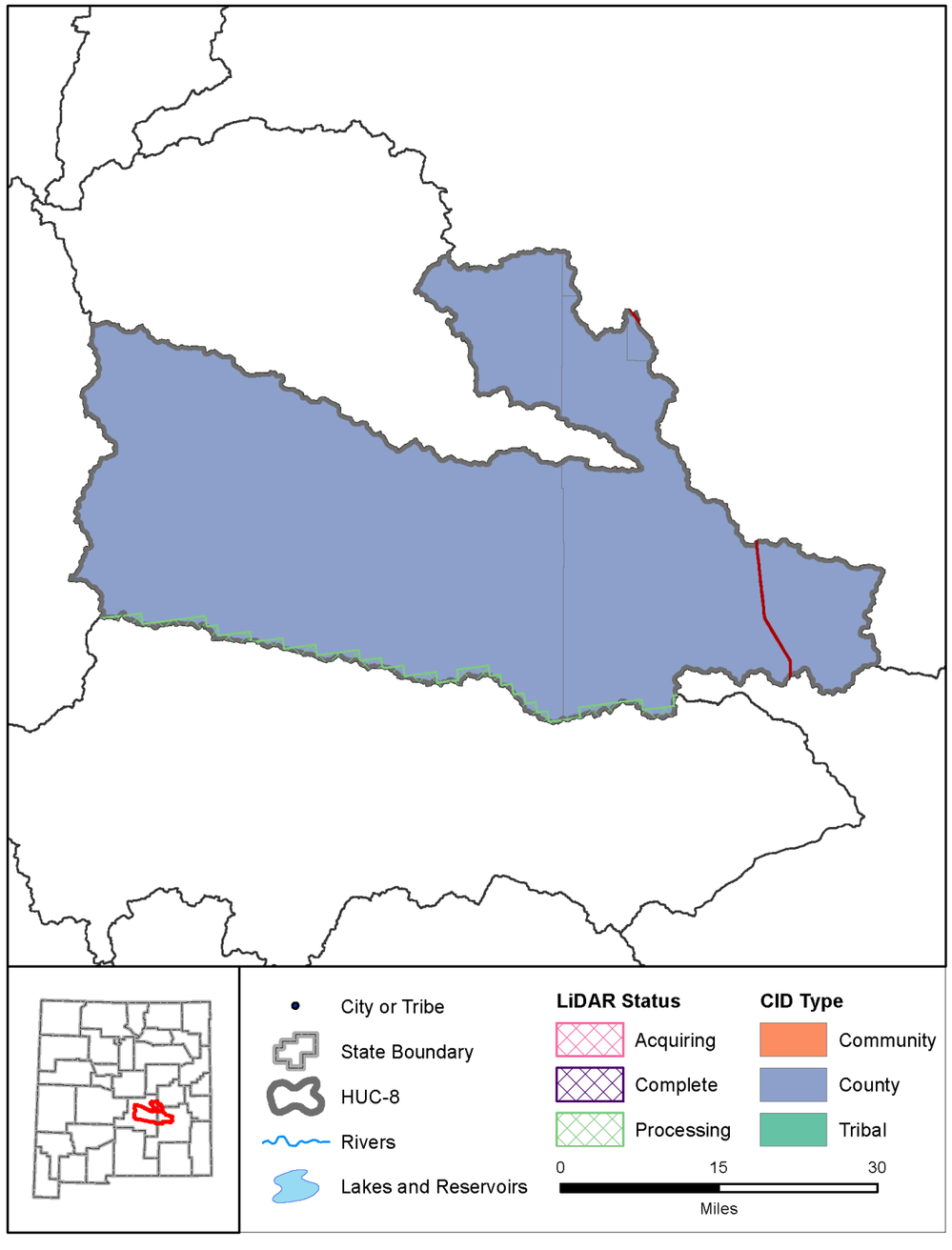
Rockfalls & Topples	45
Escarpments & Landslide Scarps	154

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	32
Alluvial Fan < 1mile	28
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	3
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	4
>1 mile	1
Hummocky Topography	
<1 mile	1
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	7
Total	280



Arroyo del Macho

Description

The Arroyo del Macho watershed is home to approximatley 2,000 people in the south-central portion of New Mexico. The watershed has significant topograph relief with mountains along the southwest border. The Arroyo del Macho is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive throughout the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, De Baca, Lincoln

Communities

No communities within this watershed.

Tribal Nations

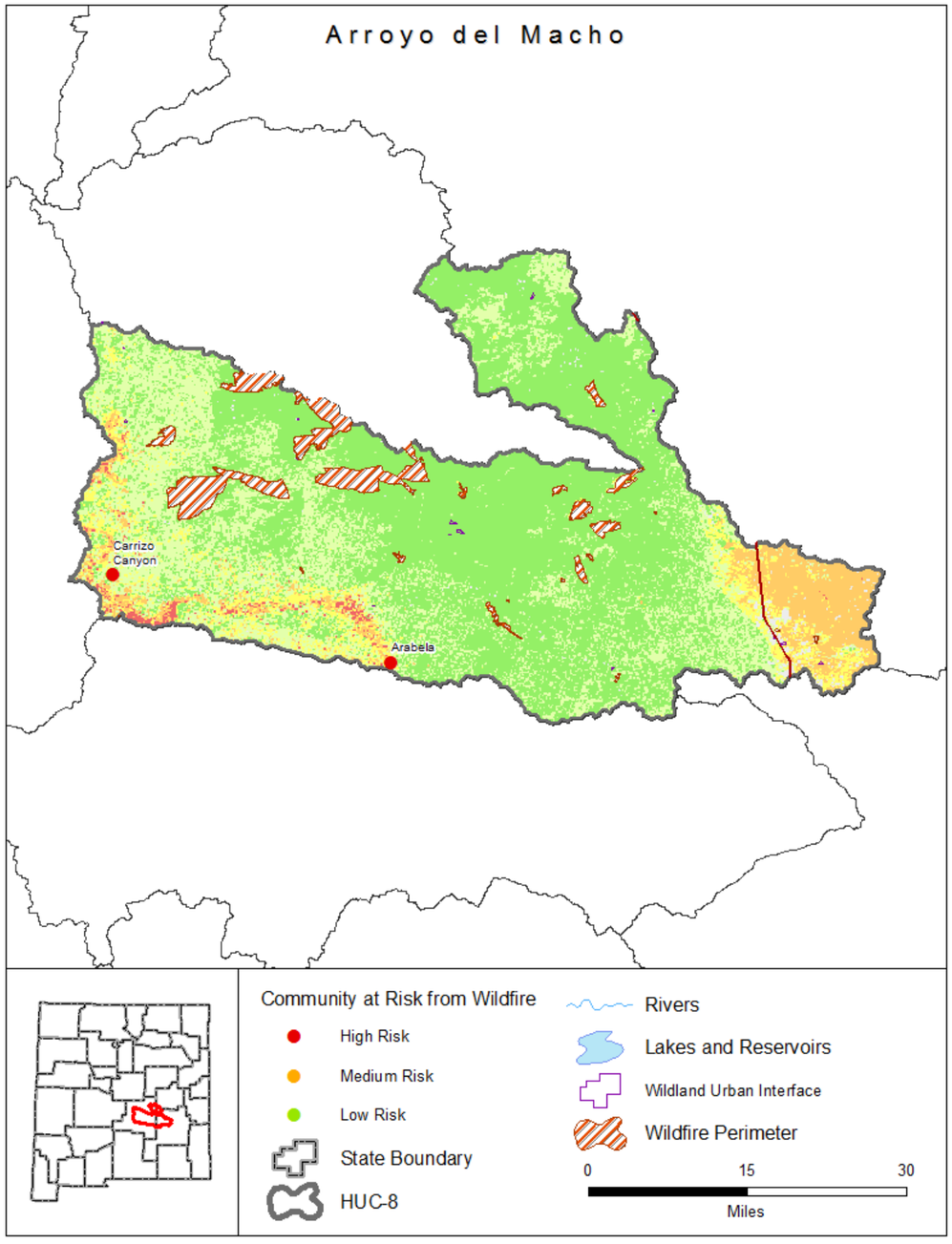
No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066672.pdf

Watershed 13060005

Watershed Characteristics	
Area (sq mi)	1,870
Population in NM	1,713
CNMS Streams (mi)	545
Maximum Elevation (feet)	10,241
Minimum Elevation (feet)	3,523
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0
Ownership	
Percent in New Mexico	100 %
Private	49.93 %
State	11.49 %
Tribal	0 %
Federal	38.58 %
States	NM
Flood Maps	
DFIRM Available	Yes
FHBM Available	No
NFIP Statistics	
CID Communities	3
NFIP Communities	2
NFIP Policies	4
Policies within the SFHA	4
Policies outside of the SFHA	0
NFIP Premium Total	$ 908
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Arroyo del Macho

Risk Rank: Low

Description

The Arroyo del Macho watershed is low risk of wildfire. A total of 49,231 acres of land have burned during 23 wildfire events over the past ten years. Arabela and Carrizo Canyon were identified in the local Community Wildfire Protection Plan as being at high risk of wildfire.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, De Baca, Lincoln

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Arabela, Carrizo Canyon

Watershed 13060005

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	58%
Low	27%
Moderate	6%
High	7%
Very High	1%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	23
Acres Burned 2006-2016	49,321

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.03%
	Acres
Interface	0
Intermix	369
WUI Addressed Structures	14

Communities at Risk from Wildland Fire

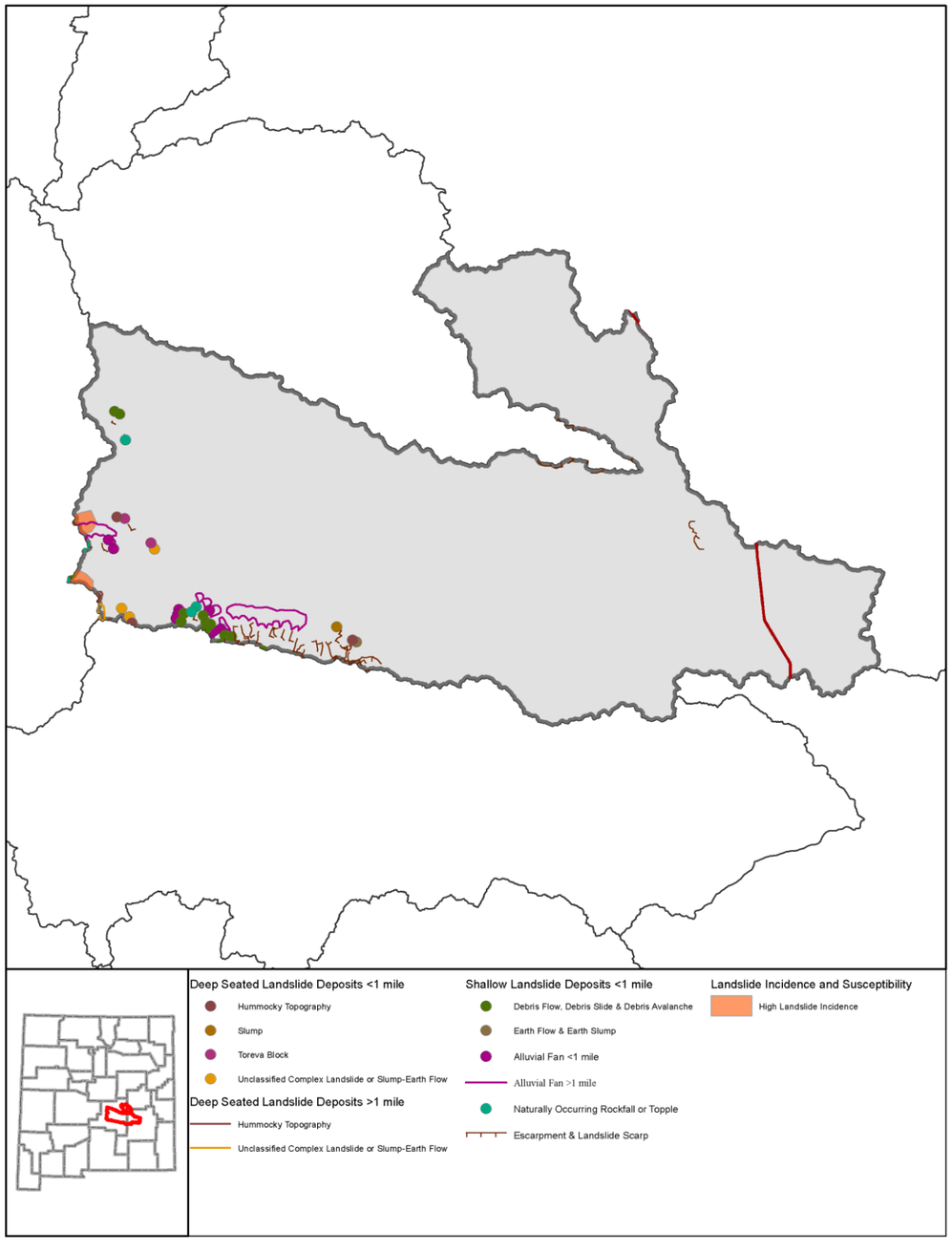
High Risk	2
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	5
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	15,360



Arroyo Del Macho

Risk Rank: Low

Description

The Arroyo del Macho watershed is low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, De Baca, Lincoln

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	6	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1870	100%

Watershed 13060005

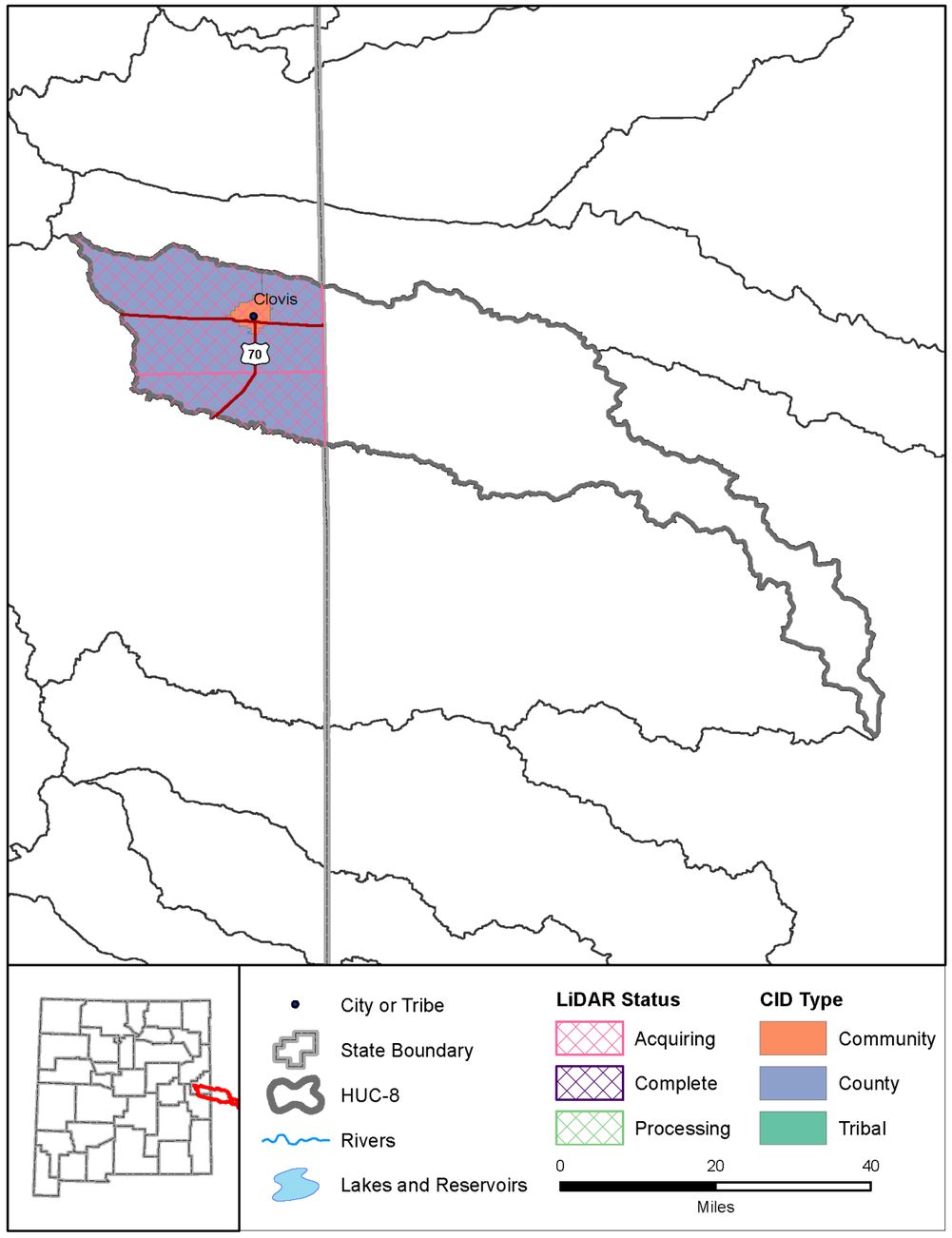
Rockfalls & Topples	3
Escarpments & Landslide Scarps	48

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	10
Alluvial Fan < 1mile	9
Alluvial Fan >1 mile	11
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	3
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	2
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	3
>1 mile	1
Total	93



Blackwater Draw

Description

The Blackwater Draw watershed is home to approximately 45,000 people along the eastern border of New Mexico. The watershed is part of the eastern plains. Within New Mexico, hydrologic features consists of multiple areas with intermittent ponds/lakes. Extensive FIRM data exists within the watershed. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Roosevelt

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

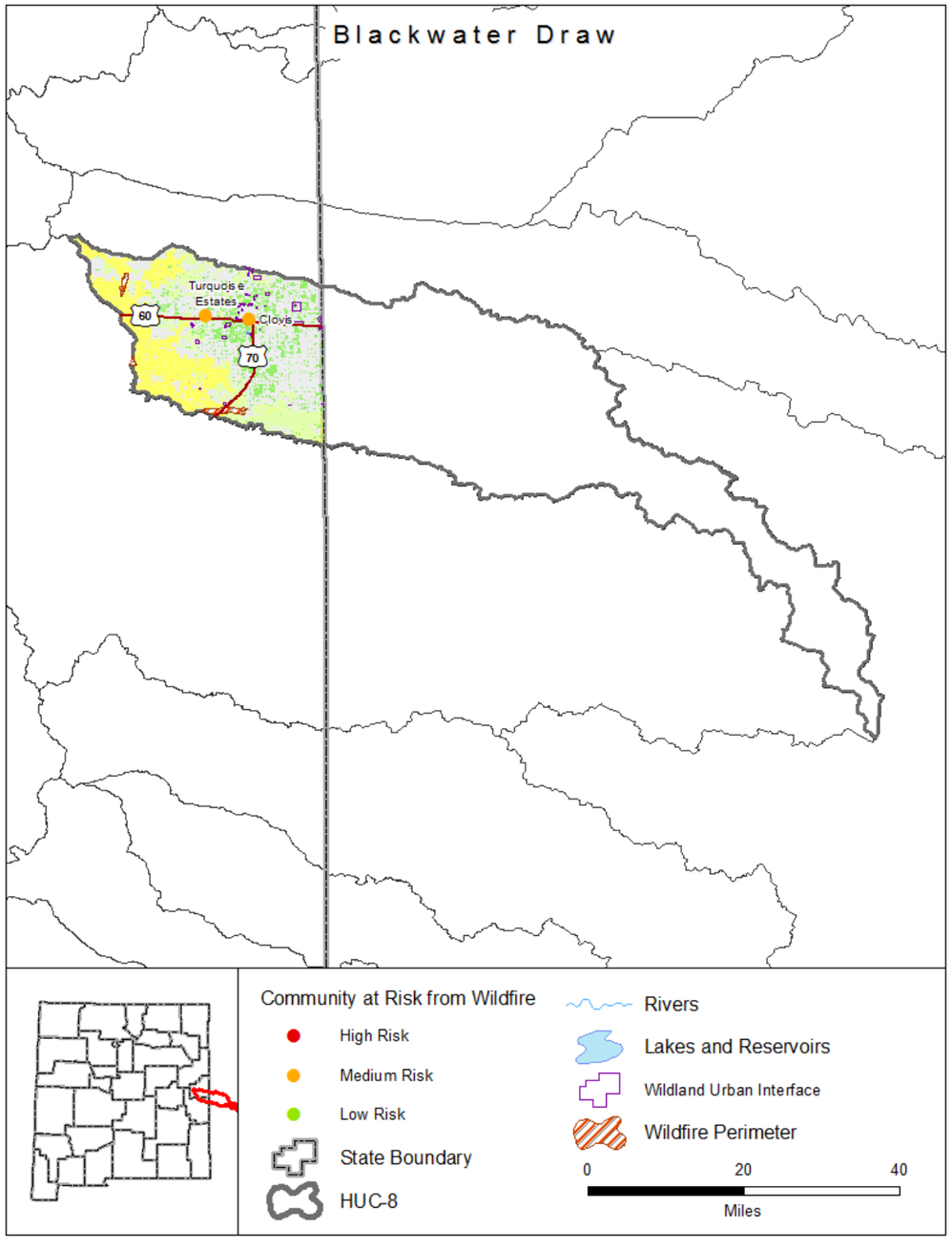
Watershed 12050002

Watershed Characteristics	
Area (sq mi)	1,689
Population in NM	45,397
CNMS Streams (mi)	58
Maximum Elevation (feet)	4,608
Minimum Elevation (feet)	3,963
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	32.15 %
Private	90.97 %
State	7.9 %
Tribal	0 %
Federal	1.04 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	376
Policies within the SFHA	324
Policies outside of the SFHA	52
NFIP Premium Total	$ 382,049
NFIP Claims	48
Claims within the SFHA	39
Claims outside of the SFHA	9
Paid Claims	$ 443,131
Repetitive Loss Structures	1
Repetitive Loss Claims	5
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 234,322



Blackwater Draw

Risk Rank: Low

Description

The Blackwater Draw watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 3,535 acres have burned during 3 wildfire events over the last ten years. Lidar data is available for the portion of the watershed within the state of New Mexico.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Roosevelt

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 12050002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	12%
Low	18%
Moderate	25%
High	0%
Very High	0%
Non-Burnable	45%
Water	0%

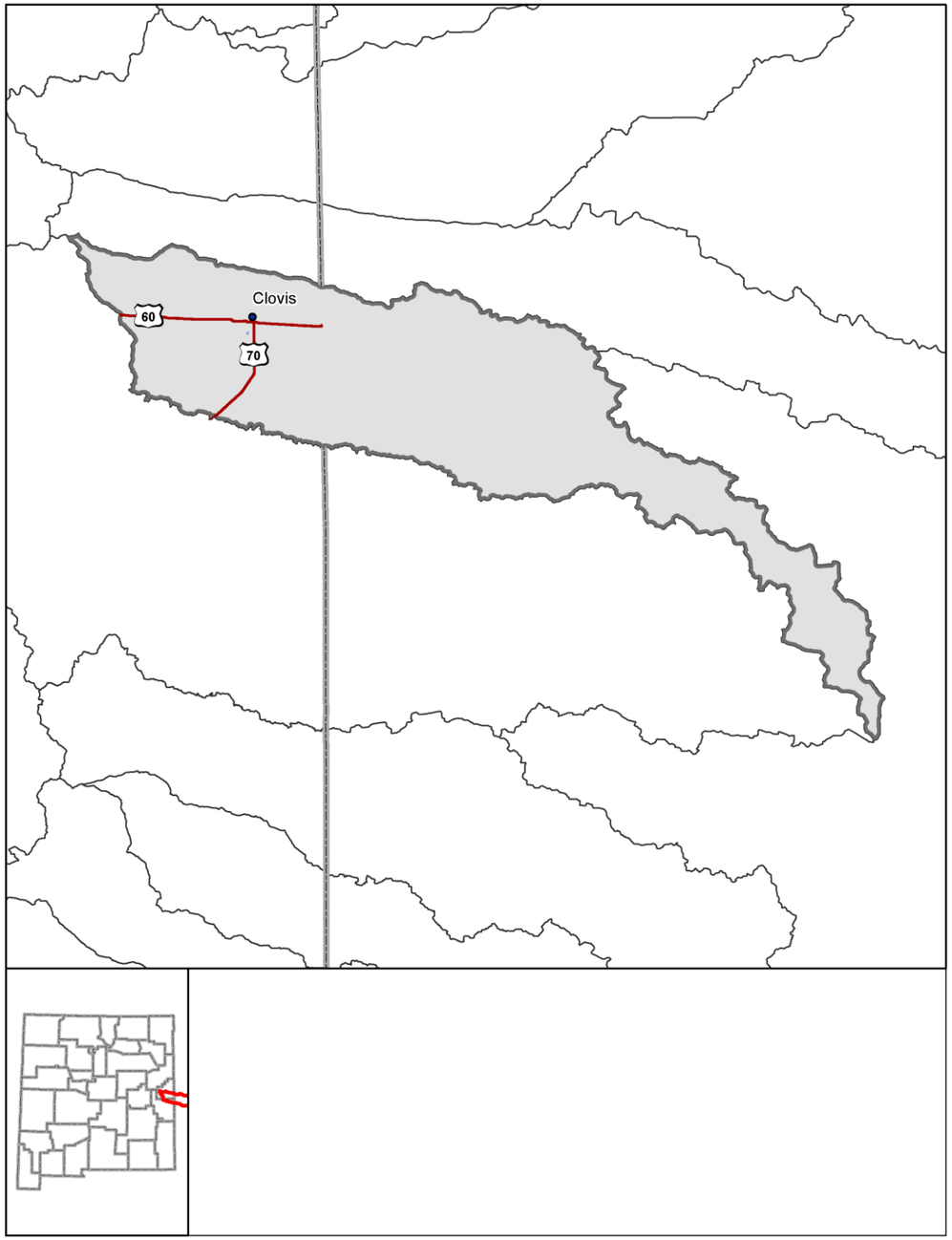
Watershed Characteristics	
Wildfires 2006-2016	3
Acres Burned 2006-2016	3,525

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.16%
Intermix	0.87%
	Acres
Interface	544
Intermix	3,014
WUI Addressed Structures	53

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	2
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Blackwater Draw

Risk Rank: None/Unknown

Description

The Blackwater Draw watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Roosevelt

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	543	32%

Watershed 12050002

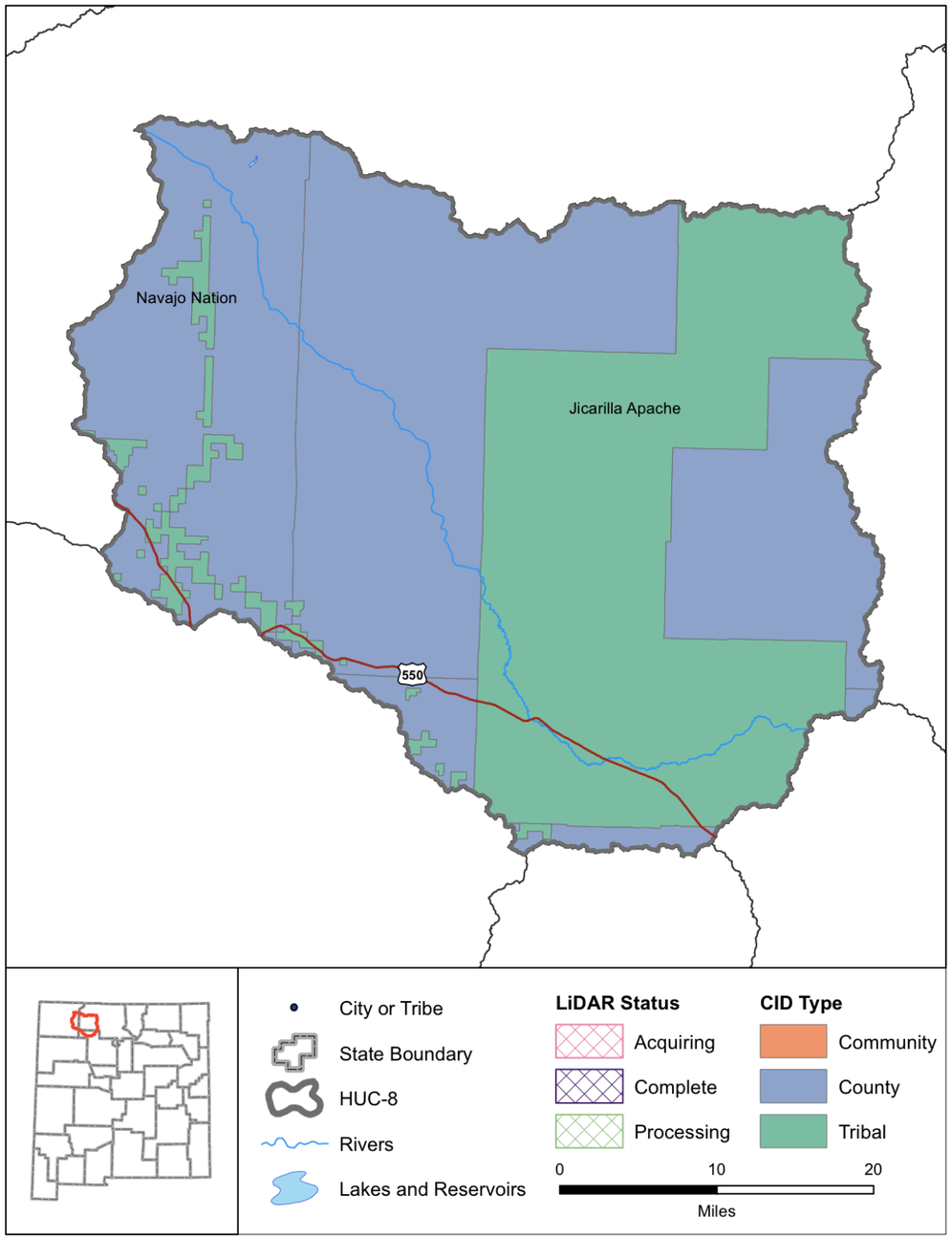
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Blanco Canyon

Description

The Blanco Canyon watershed is home to approximately 1,600 people in New Mexico and is located in the northwestern corner of the state. The watershed has moderate topographic relief with several canyons and mesas. The Blanco Wash and Canon Largo are the primary hydrologic feature with smaller intermittent tributaries. FIRM data is fairly extensive within the watershed except in tribal land but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067318.pdf

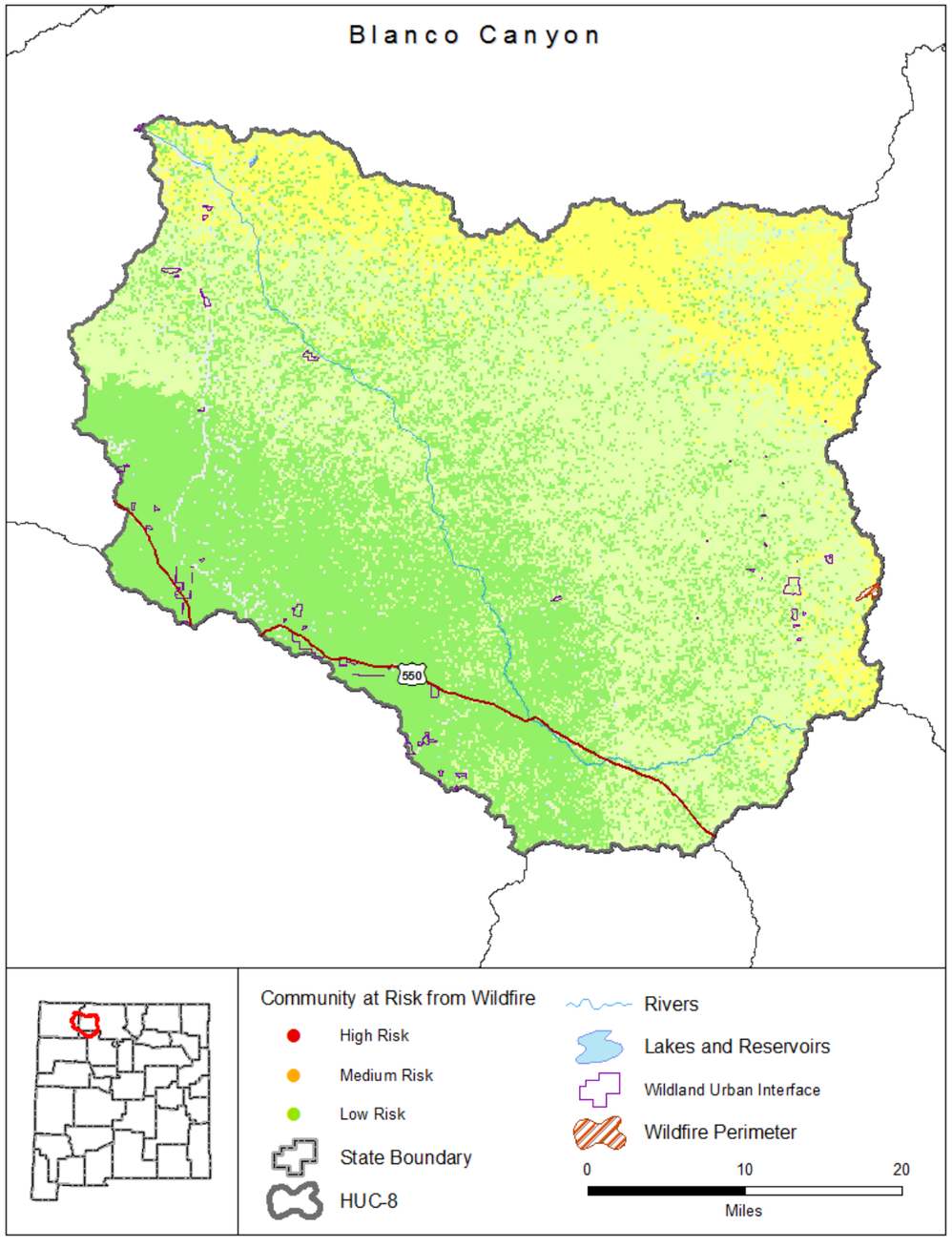
Watershed 14080103

Watershed Characteristics	
Area (sq mi)	1,714
Population in NM	1,578
CNMS Streams (mi)	534
Maximum Elevation (feet)	8,163
Minimum Elevation (feet)	5,537
High Hazard Potential Dams	1
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	11.67 %
State	4.71 %
Tribal	38.6 %
Federal	45.02 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	3
NFIP Policies	1
Policies within the SFHA	0
Policies outside of the SFHA	1
NFIP Premium Total	$ 460
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Blanco Canyon

Risk Rank: Low

Description

The Blanco Canyon watershed is at low risk of wildfire. No communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 14080103

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	38%
Low	44%
Moderate	15%
High	0%
Very High	0%
Non-Burnable	2%
Water	0%

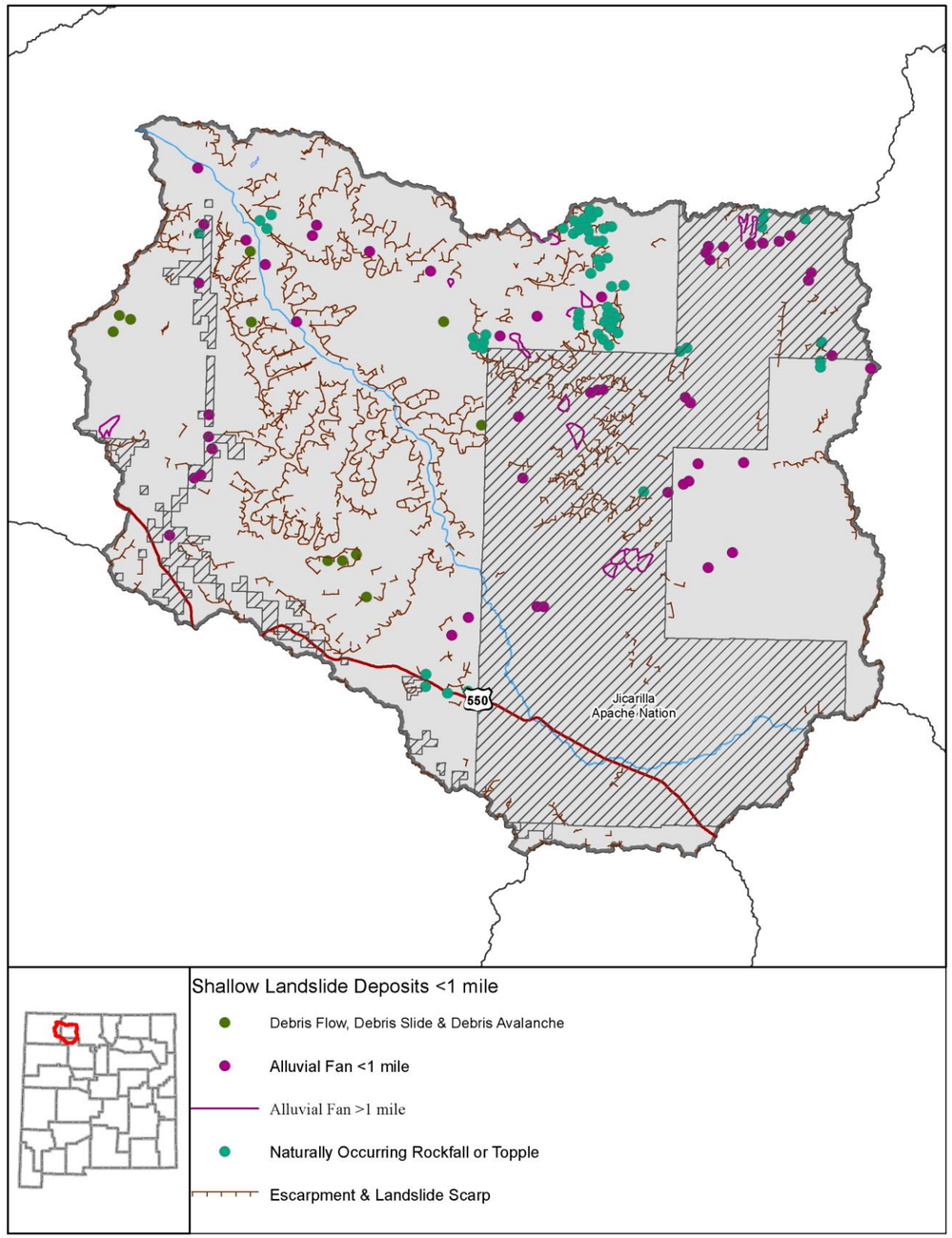
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	418

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.36%
	Acres
Interface	1
Intermix	3,930
WUI Addressed Structures	72

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	8
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	85,760



Blanco Canyon

Risk Rank: Medium

Description

The Blanco Canyon watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1714	100%

Watershed 14080103

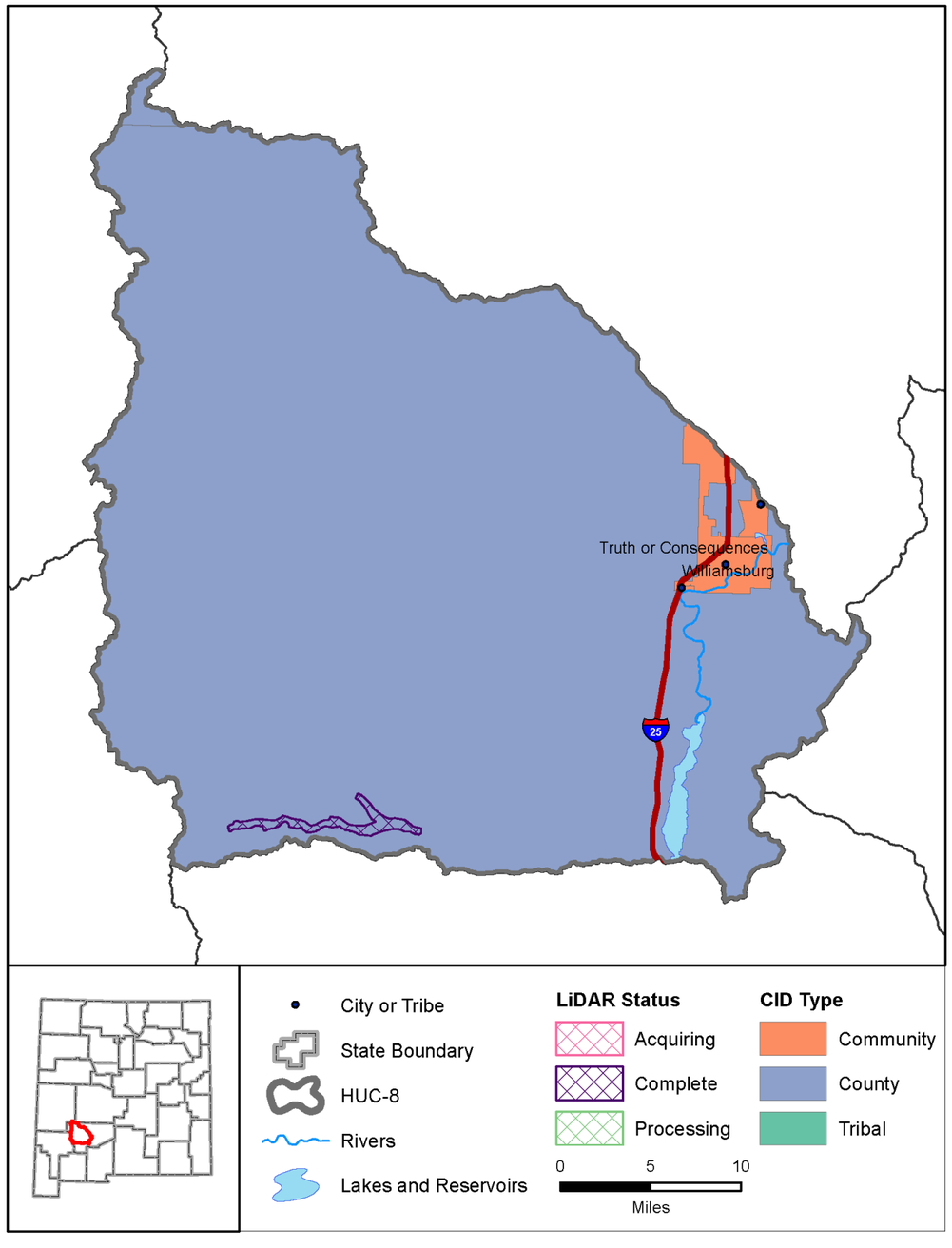
Rockfalls & Topples	60
Escarpments & Landslide Scarps	216

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	11
Alluvial Fan < 1mile	49
Alluvial Fan >1 mile	20
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	356



Caballo

Description

The Caballo watershed is home to approximately 8,500 people in central New Mexico. The watershed is bound by the Black Range to the west. The major hydrologic feature is the Rio Grande including Caballo Reservoir. FHBM data is available throughout the watershed. Limited lidar data is available from the USACE from the Silver fire. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

The USACE collected post-wildfire lidar for the Silver Fire in 2013.

Counties

Catron, Grant, Sierra

Communities

Elephant Butte, Truth or Consequences, Williamsburg

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066982.pdf

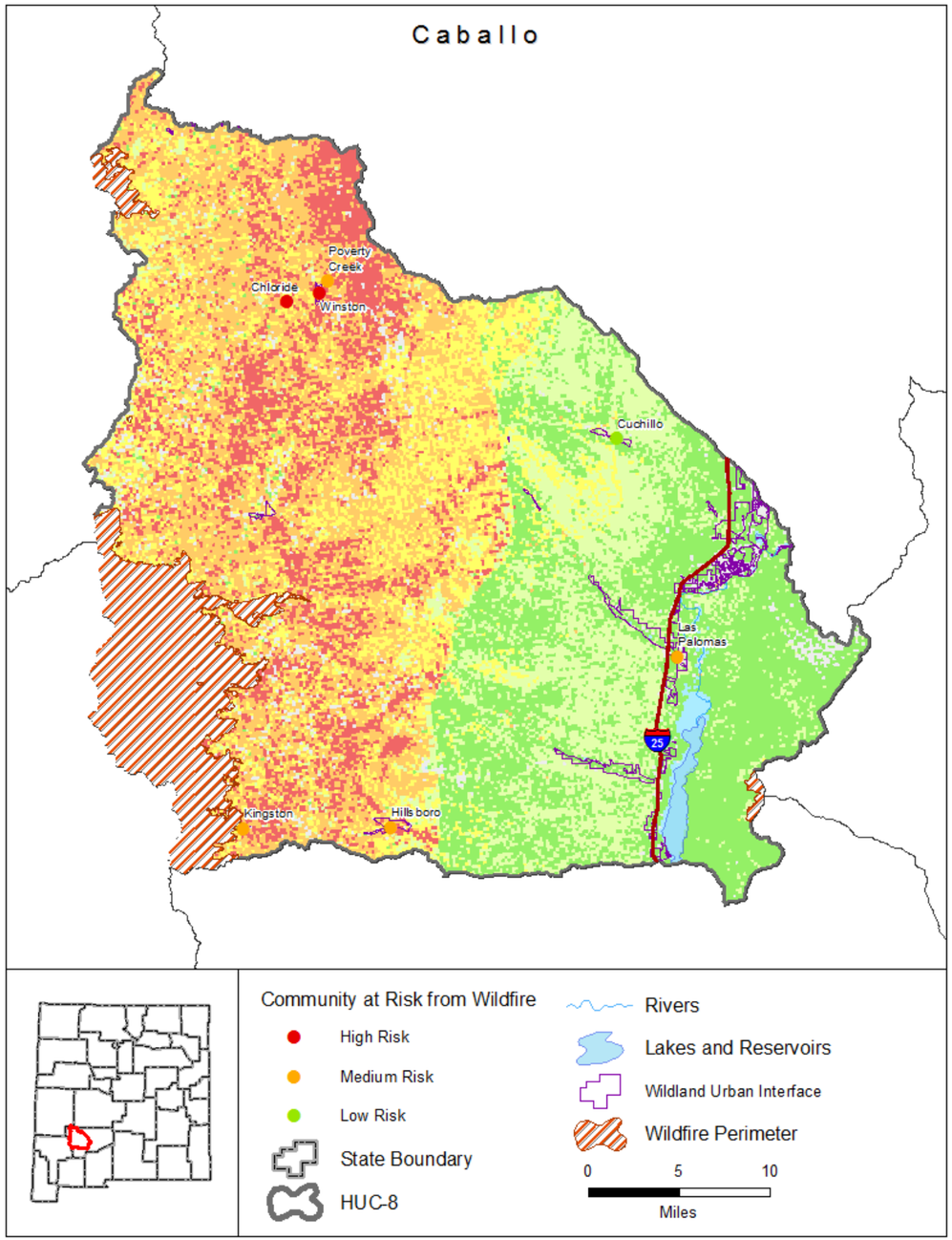
Watershed 13030101

Watershed Characteristics	
Area (sq mi)	1,241
Population in NM	8,408
CNMS Streams (mi)	890
Maximum Elevation (feet)	10,194
Minimum Elevation (feet)	4,152
High Hazard Potential Dams	5
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	36.63 %
State	8.73 %
Tribal	0 %
Federal	54.64 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	6
NFIP Communities	6
NFIP Policies	108
Policies within the SFHA	88
Policies outside of the SFHA	20
NFIP Premium Total	$ 101,239
NFIP Claims	14
Claims within the SFHA	10
Claims outside of the SFHA	4
Paid Claims	$ 150,013
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Caballo

Risk Rank: High

Description

The Caballo watershed is at high risk of wildfire and Chloride and Winston were identified as high risk in the local Community Wildfire Protection Plan. A total of 75,490 acres have burned during 30 wildfire events over the last ten years, with the Silver Fire in 2013 burning approximately 61,938 acres in the watershed.

Lidar Data Availability

The USACE collected post-wildfire lidar for the Silver Fire in 2013.

Counties

Catron, Grant, Sierra

Communities

Elephant Butte, Truth or Consequences, Williamsburg

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Chloride, Winston

Watershed 13030101

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	22%
Low	17%
Moderate	17%
High	25%
Very High	15%
Non-Burnable	3%
Water	1%

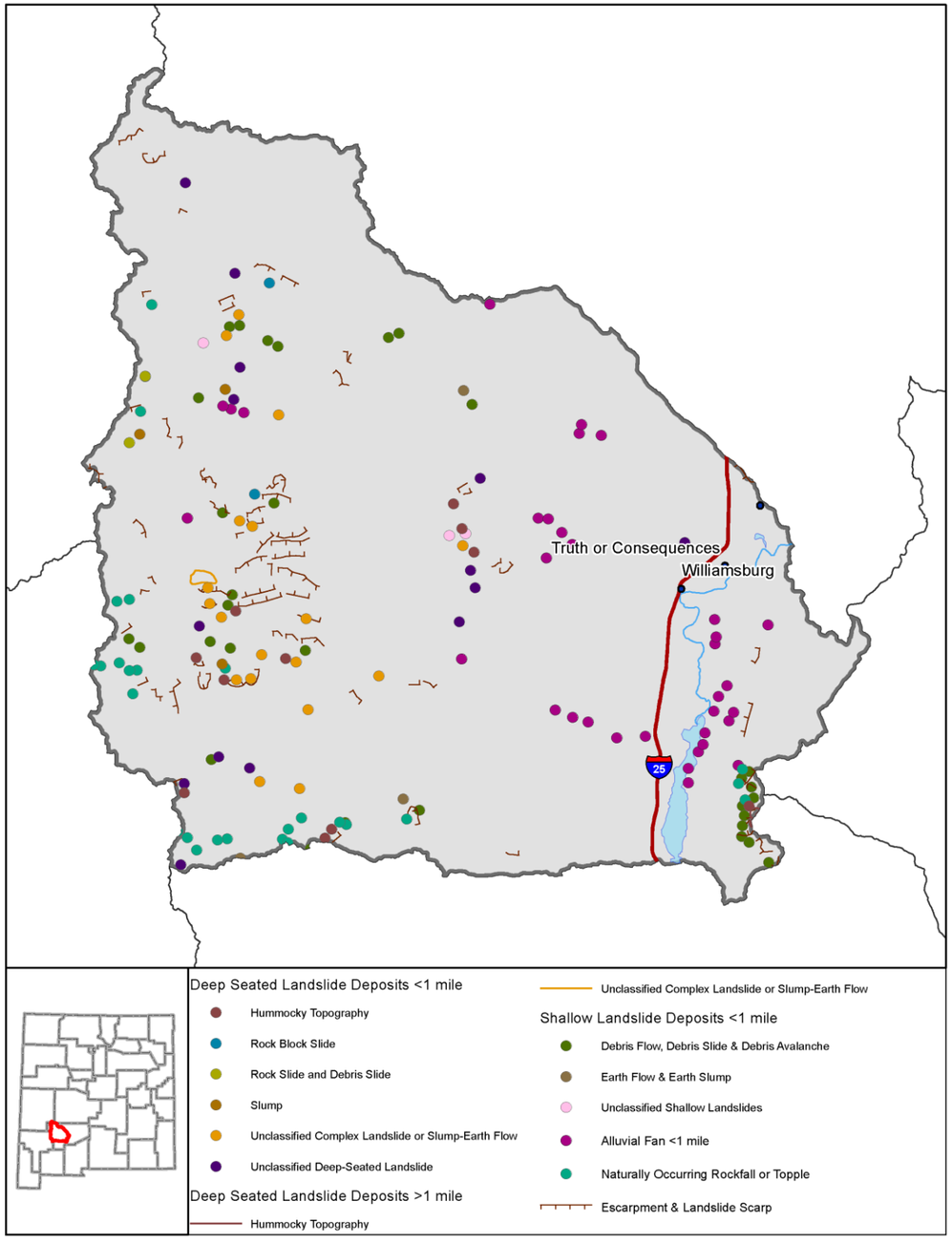
Watershed Characteristics	
Wildfires 2006-2016	30
Acres Burned 2006-2016	75,490

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.36%
Intermix	1.35%
	Acres
Interface	2,881
Intermix	10,736
WUI Addressed Structures	131

Communities at Risk from Wildland Fire	
High Risk	2
Medium Risk	4
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	12
Very High Priority	3

Vegetation Treatments 2006-2016	
Acres Treated	67,840



Caballo

Risk Rank: Low

Description

The Caballo watershed is at low risk of landslide processes.

Lidar Data Availability

The USACE collected post-wildfire Lidar for the Silver Fire in 2013.

Counties

Catron, Grant, Sierra

Communities

Elephant Butte, Truth or Consequences, Williamsburg

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1241	100%

Watershed 13030101

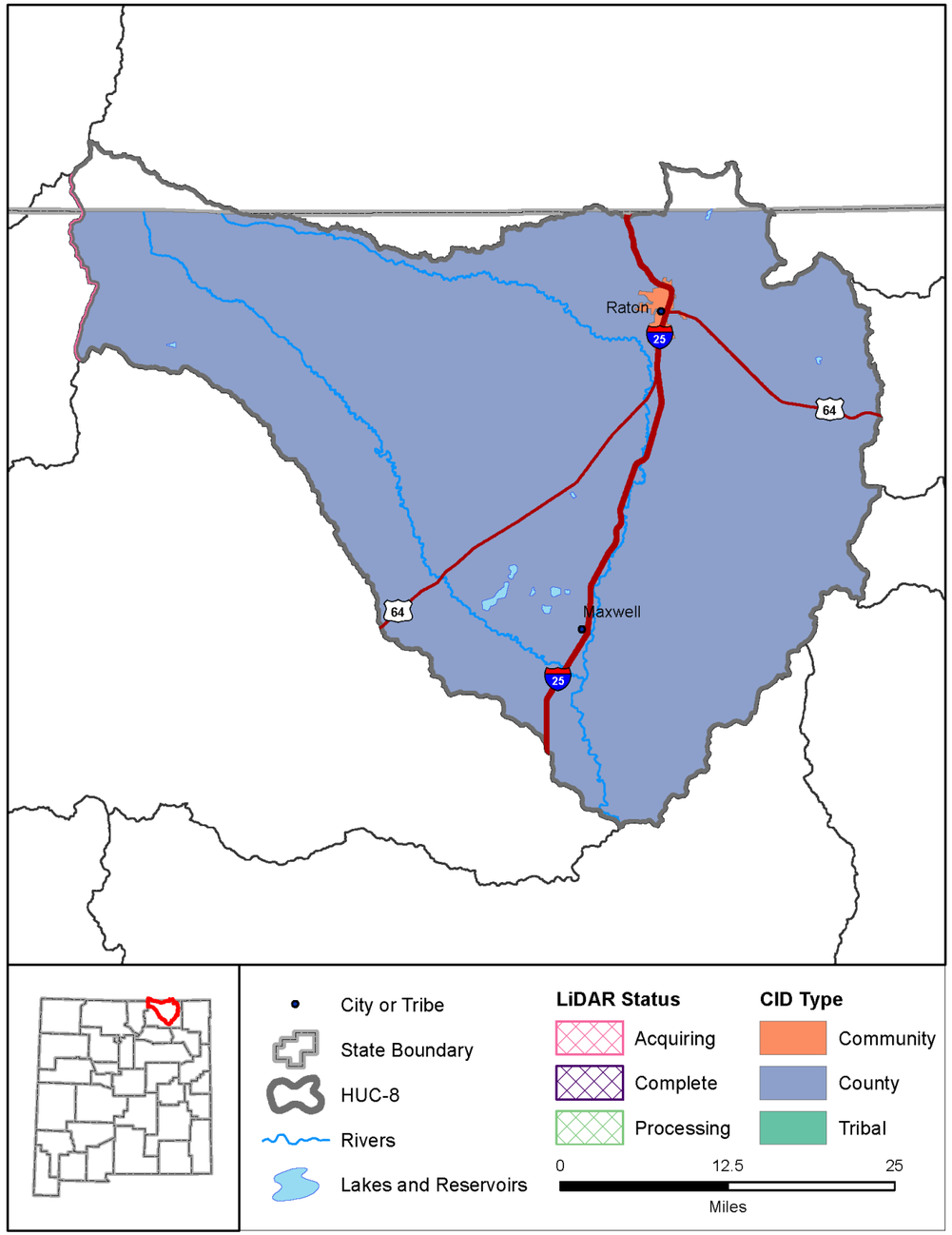
Rockfalls & Topples	24
Escarpments & Landslide Scarps	70

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	3
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	30
Alluvial Fan < 1mile	34
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	3

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	3
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	2
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	2
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	14
>1 mile	0
Hummocky Topography	
<1 mile	11
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	18
>1 mile	1
Total	216



Canadian Headwaters

Description

The Canadian Headwaters watershed is home to approximately 8,000 people in northeastern New Mexico. The watershed is topographically varied with a change in elevation of almost 7,000 feet and is bordered on the western side by the Sangre De Cristo Mountain Range. The primary hydrologic feature is the Canadian River. The watershed has limited FIRM data. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Taos

Communities

Maxwell, Raton

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

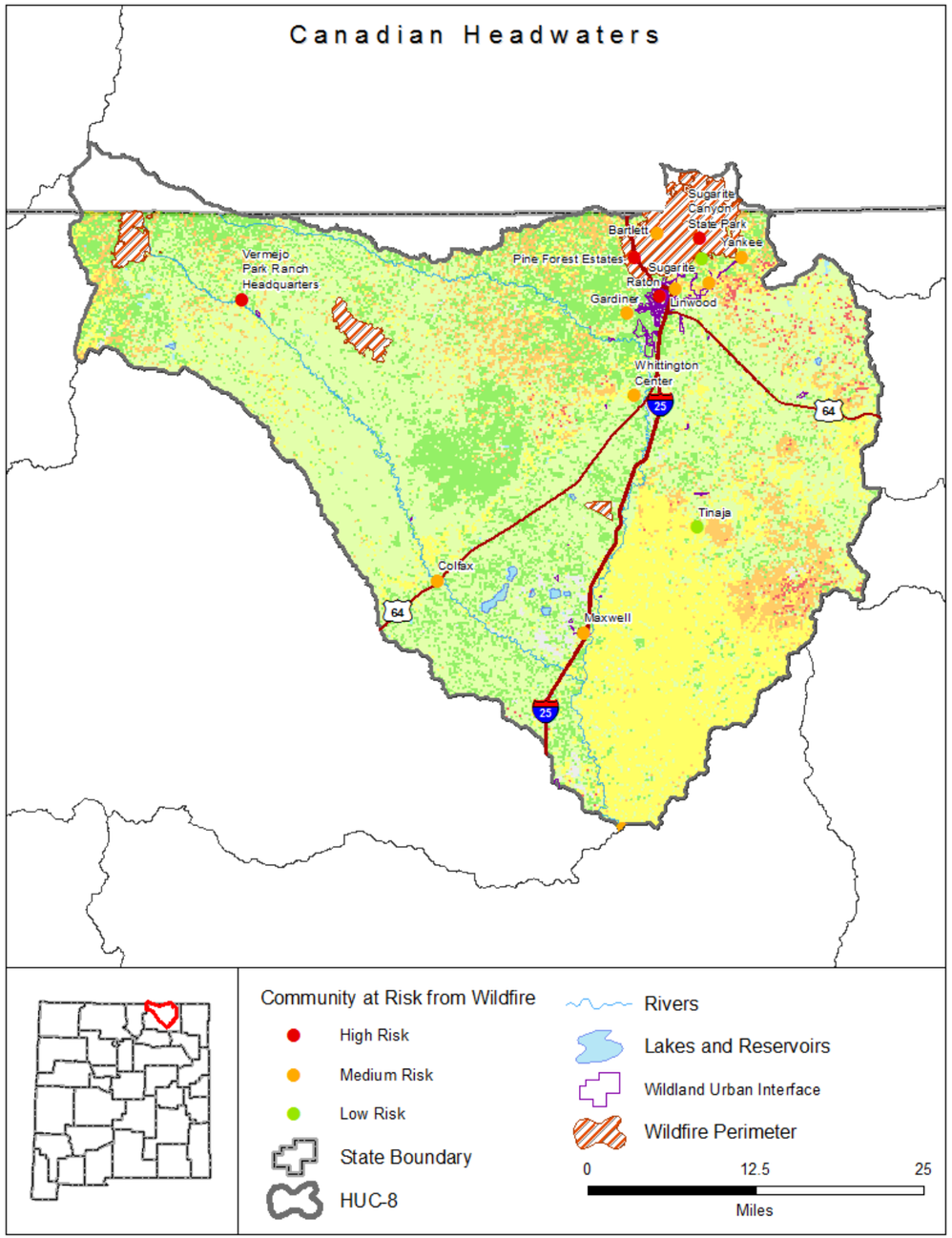
Watershed 11080001

Watershed Characteristics	
Area (sq mi)	1,724
Population in NM	8,003
CNMS Streams (mi)	122
Maximum Elevation (feet)	12,590
Minimum Elevation (feet)	5,669
High Hazard Potential Dams	1
Significant Hazard Potential Dams	4
Low Hazard Potential Dams	13

Ownership	
Percent in New Mexico	96.9 %
Private	93.33 %
State	5.9 %
Tribal	0 %
Federal	0.77 %
States	NM, CO

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	4
NFIP Communities	4
NFIP Policies	29
Policies within the SFHA	17
Policies outside of the SFHA	12
NFIP Premium Total	$ 22,217
NFIP Claims	6
Claims within the SFHA	3
Claims outside of the SFHA	3
Paid Claims	$ 762
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Canadian Headwaters

Risk Rank: High

Description

The Canadian Headwaters watershed is at high risk of wildfire. The communities of Pine Forest Estates, Raton, Sugarite Canyon State Park, Vermejo Park Ranch Headquarters were identified as high risk in the local Community Wildfire Protection Plan. A small portion of the watershed that was burned during the 2011 Track Fire has been studied in a postwildfire debris flows hazard assessment done by the United States Geological Survey.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Taos

Communities

Maxwell, Raton

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Darr, M.J., Cannon, S.H., and Michael, J.A., 2011, Postwildfire debris flows hazard assessment for the area burned by the 2011 Track Fire, northeastern New Mexico and southeastern Colorado: U.S. Geological Survey Open-File Report 2011–1257, 9 p.

Communities at High Risk of Wildland Fire

Pine Forest Estates, Raton, Sugarite Canyon State Park, Vermejo Park Ranch Headquarters

Watershed 11080001

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	21%
Low	50%
Moderate	19%
High	8%
Very High	1%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	7
Acres Burned 2006-2016	33,158

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.12%
Intermix	0.53%
	Acres
Interface	1,336
Intermix	5,626
WUI Addressed Structures	170

Communities at Risk from Wildland Fire

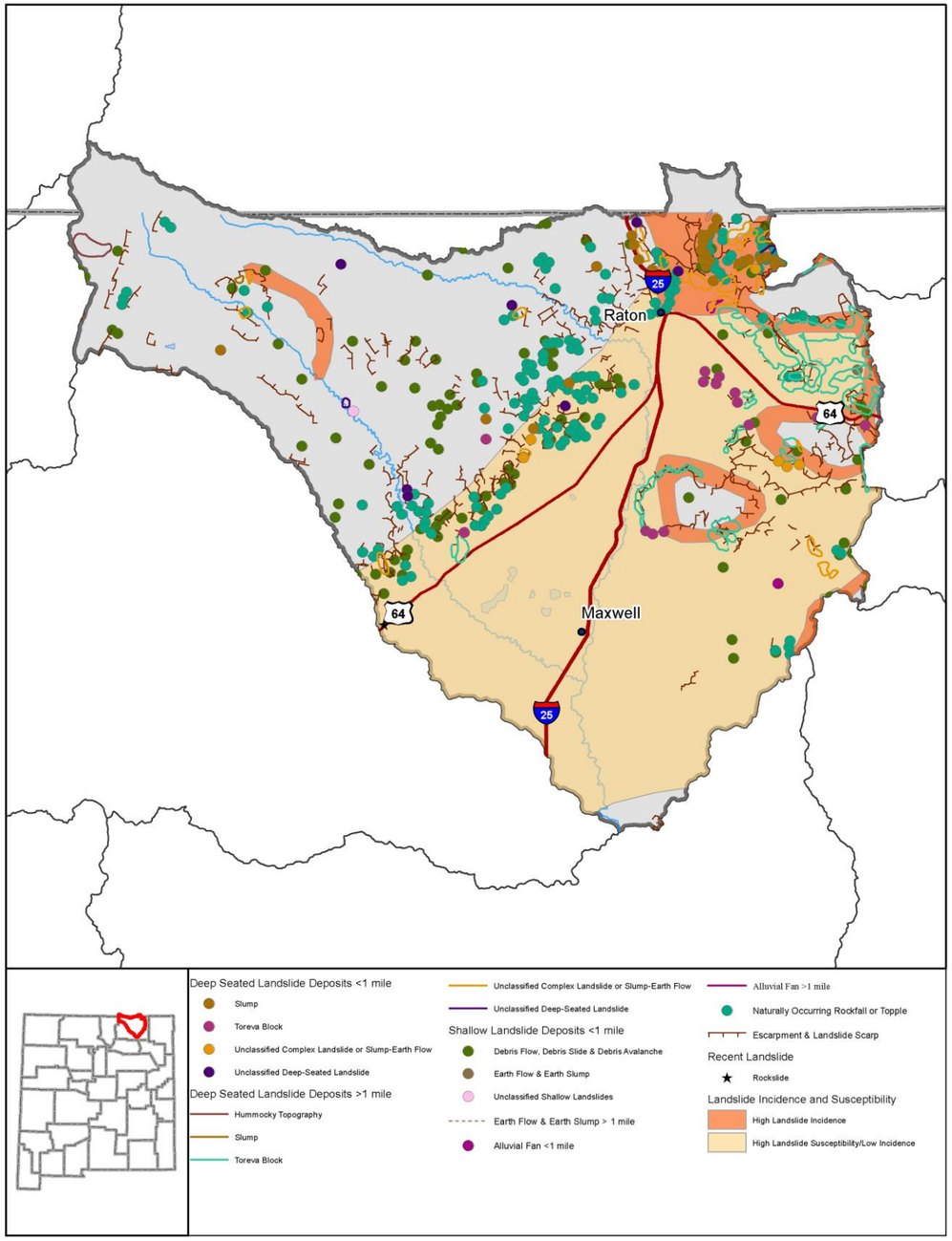
High Risk	4
Medium Risk	8
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	18
Very High Priority	1

Vegetation Treatments 2006-2016

Acres Treated	0



Canadian Headwaters

Risk Rank: Medium

Description

The Canadian Headwaters watershed is at medium risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Colfax, Taos

Communities

Maxwell, Raton

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	144	8%
High susceptibility to landsliding and low incidence	819	48%
Total	1671	97%

Watershed 11080001

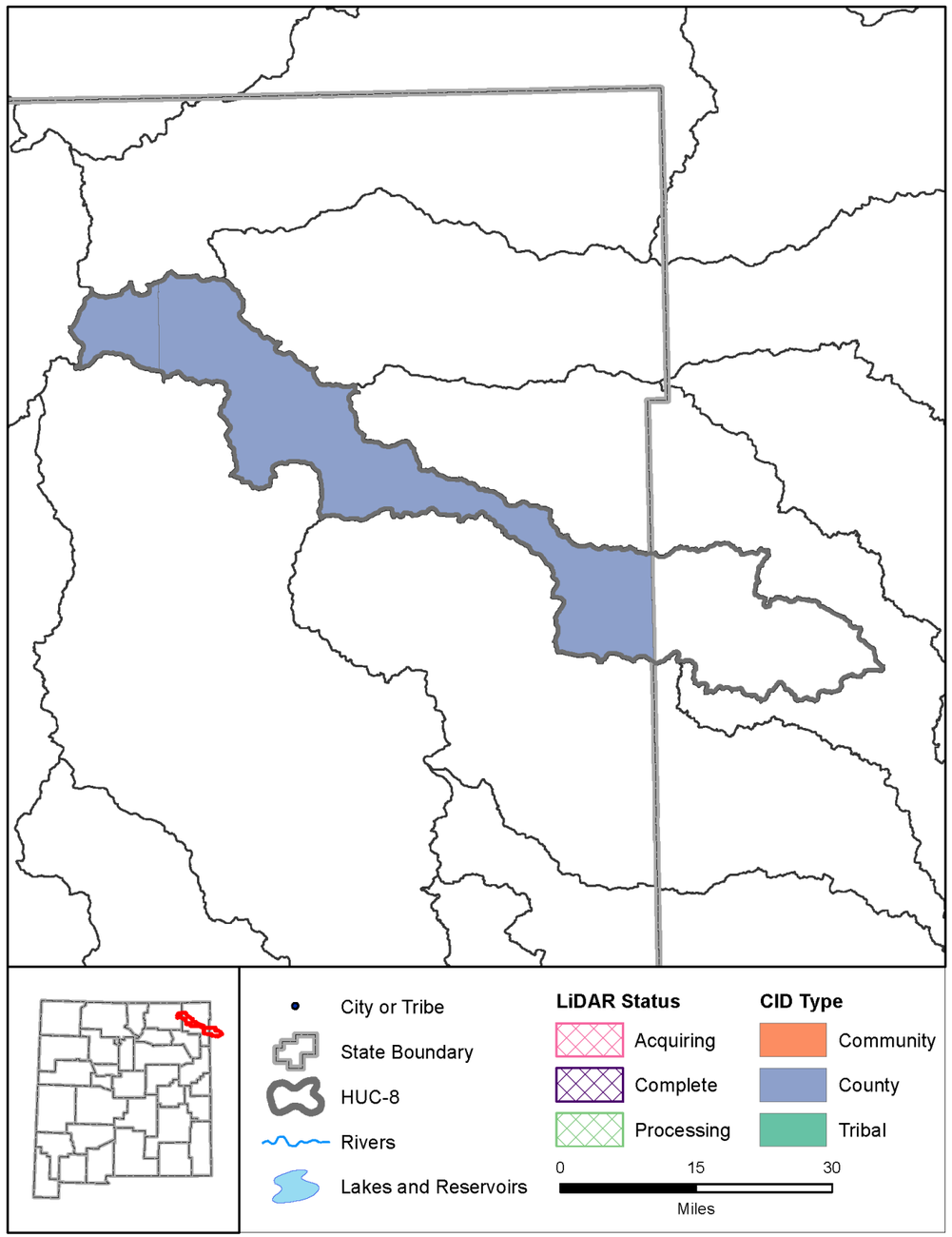
Rockfalls & Topples	150
Escarpments & Landslide Scarps	164

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	1
Debris Flow, Debris Slide & Debris Avalanche	103
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	2
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	30
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	7
>1 mile	9
Hummocky Topography	
<1 mile	0
>1 mile	5
Complex Landslides	
Toreva Block	
<1 mile	14
>1 mile	3
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	6
>1 mile	22
Total	520



Carrizo

Description

The Carrizo watershed is home to fewer than 400 people along the northeastern border of New Mexico. The watershed contains the Sierra Grande Range and Kiowa Flats. The primary hydrographic features are Carrizo Creek and multiple intermittent tributaries. No FHBM or FIRM data is available for the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

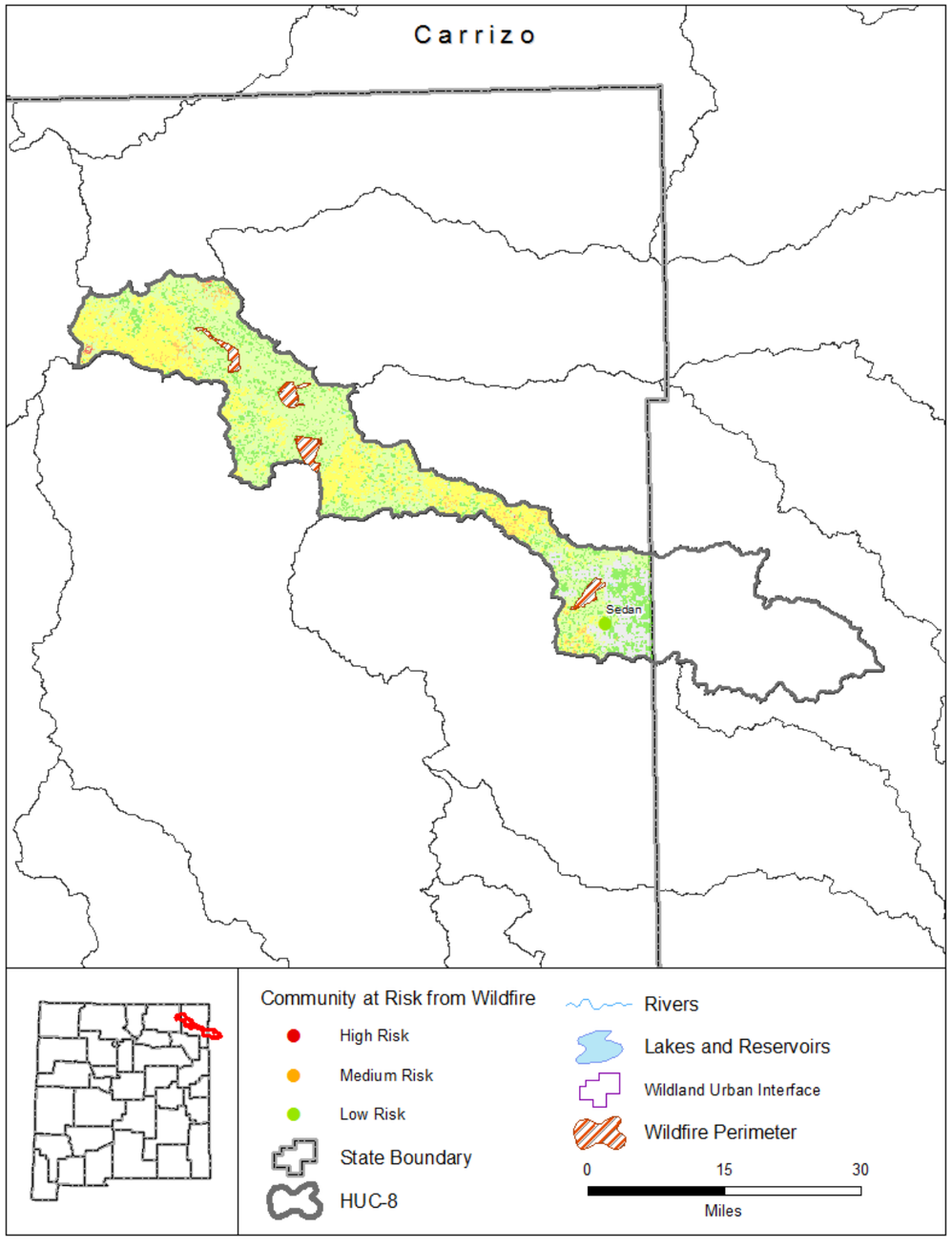
Watershed 11090104

Watershed Characteristics	
Area (sq mi)	914
Population in NM	374
CNMS Streams (mi)	0
Maximum Elevation (feet)	8,819
Minimum Elevation (feet)	4,468
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	68.73 %
Private	75.04 %
State	24.11 %
Tribal	0 %
Federal	0.85 %
States	NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Carrizo

Risk Rank: Low

Description

The Carrizo watershed at low risk of wildfires and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 13,200 acres have burned during 4 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11090104

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	18%
Low	47%
Moderate	26%
High	2%
Very High	0%
Non-Burnable	6%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	4
Acres Burned 2006-2016	13,200

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire

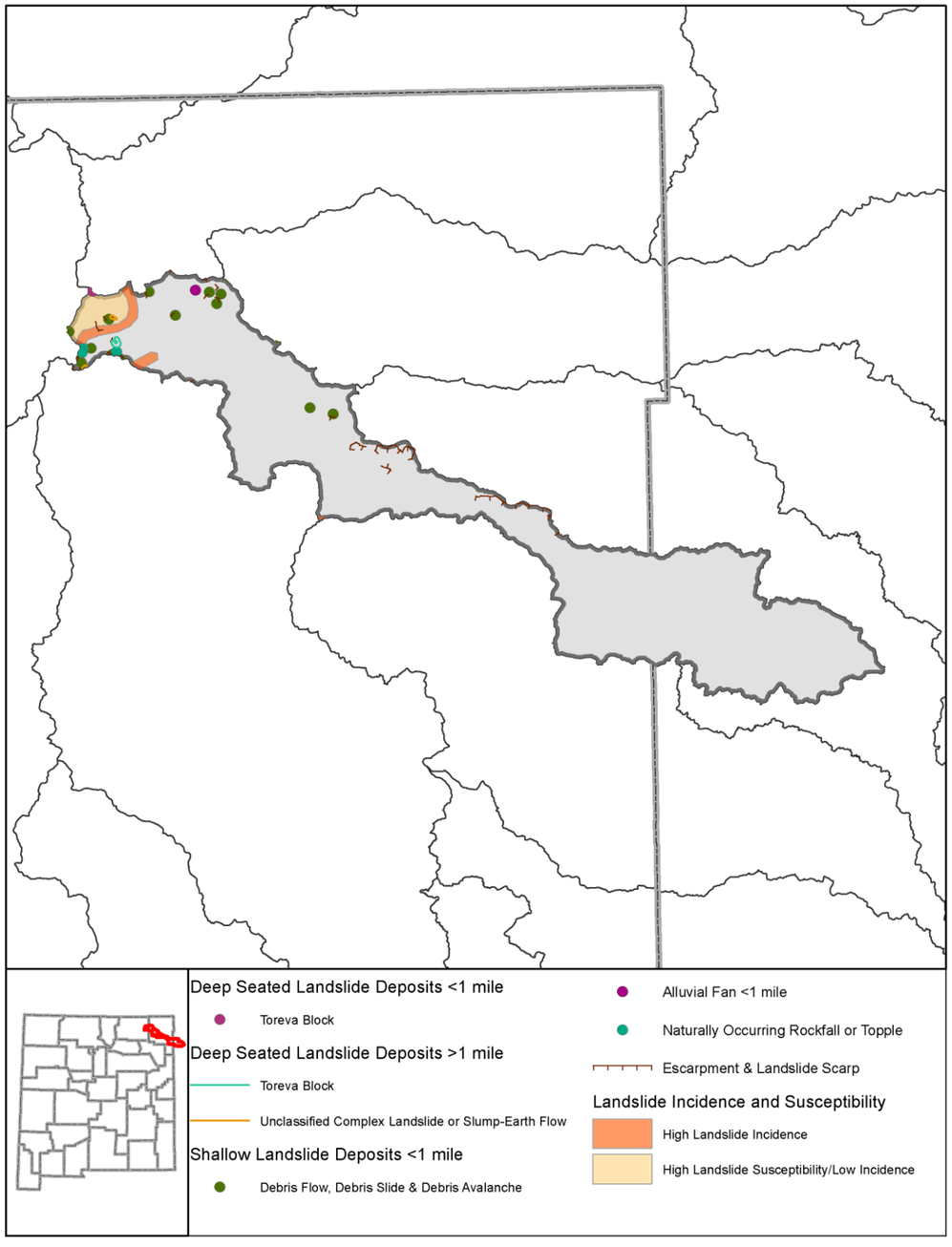
High Risk	0
Medium Risk	0
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Carrizo

Risk Rank: Low

Description

The Carrizo watershed at low risk of landslide processes.

Lidar Data Availability

FEMA collected USGS QL2 Lidar in 2017.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	14	2%
High susceptibility to landsliding and low incidence	21	2%
Total	628	69%

Watershed 11090104

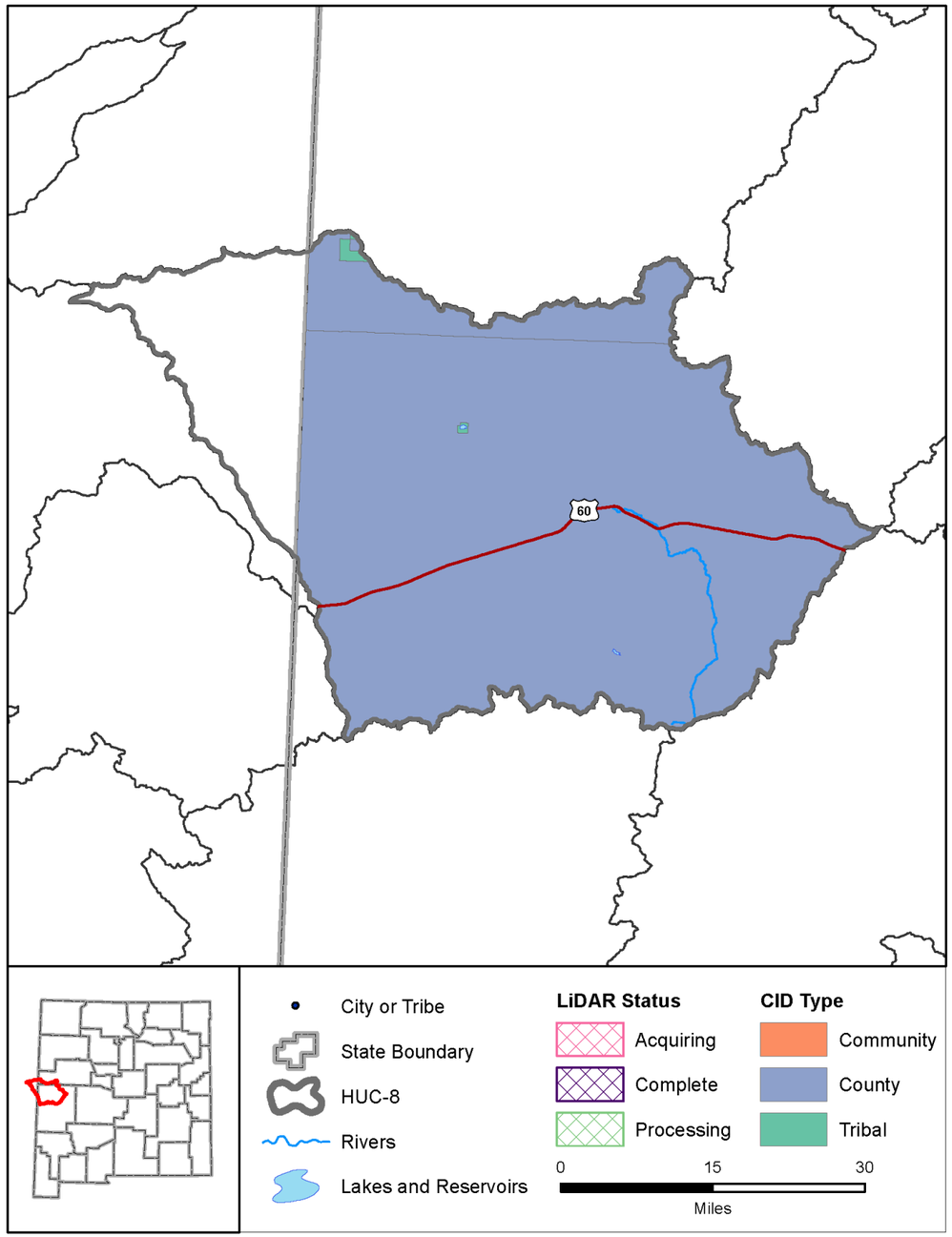
Rockfalls & Topples	3
Escarpments & Landslide Scarps	25

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	13
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	1
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	2
Total	45



Carrizo Wash

Description

The Carrizo Wash watershed is home to approximately 1,000 people in New Mexico and is located on the western border of the state. The watershed is bound by the Gallo and Mangas Mountains to the south. The watershed has several intermittent streams including Carrizo Wash and Largo Creek. There is very limited FIRM data for and no lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Cibola

Communities

No communities within this watershed.

Tribal Nations

Zuni Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

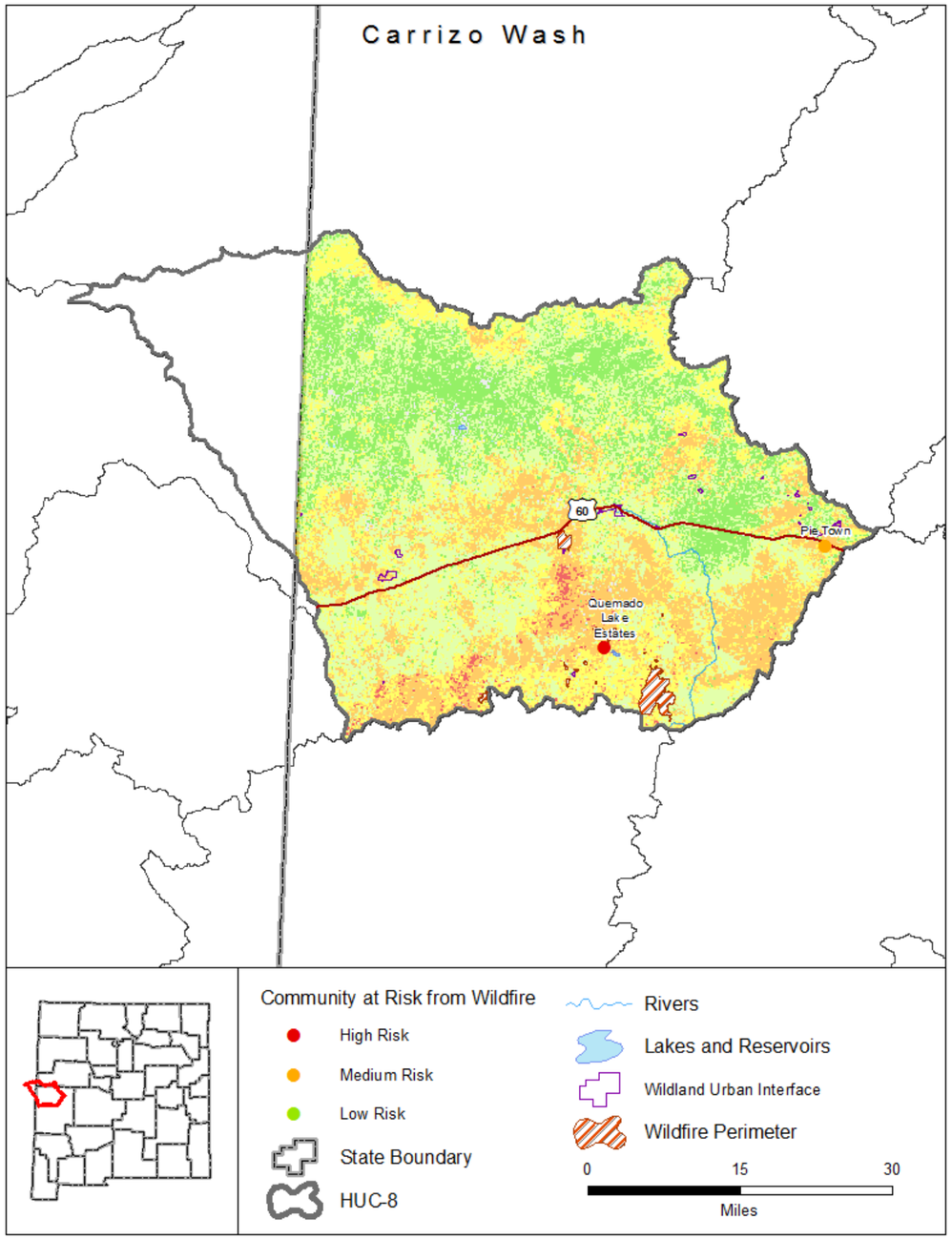
Watershed 15020003

Watershed Characteristics	
Area (sq mi)	2,264
Population in NM	961
CNMS Streams (mi)	25
Maximum Elevation (feet)	10,257
Minimum Elevation (feet)	6,028
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	85.34 %
Private	34.69 %
State	18.64 %
Tribal	0.05 %
Federal	46.62 %
States	AZ, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Carrizo Wash

Risk Rank: Medium

Description

The Carrizo Wash watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 8,702 acres have burned during 16 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Cibola

Communities

No communities within this watershed.

Tribal Nations

Zuni Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 15020003

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	20%
Low	34%
Moderate	24%
High	20%
Very High	1%
Non-Burnable	1%
Water	0%

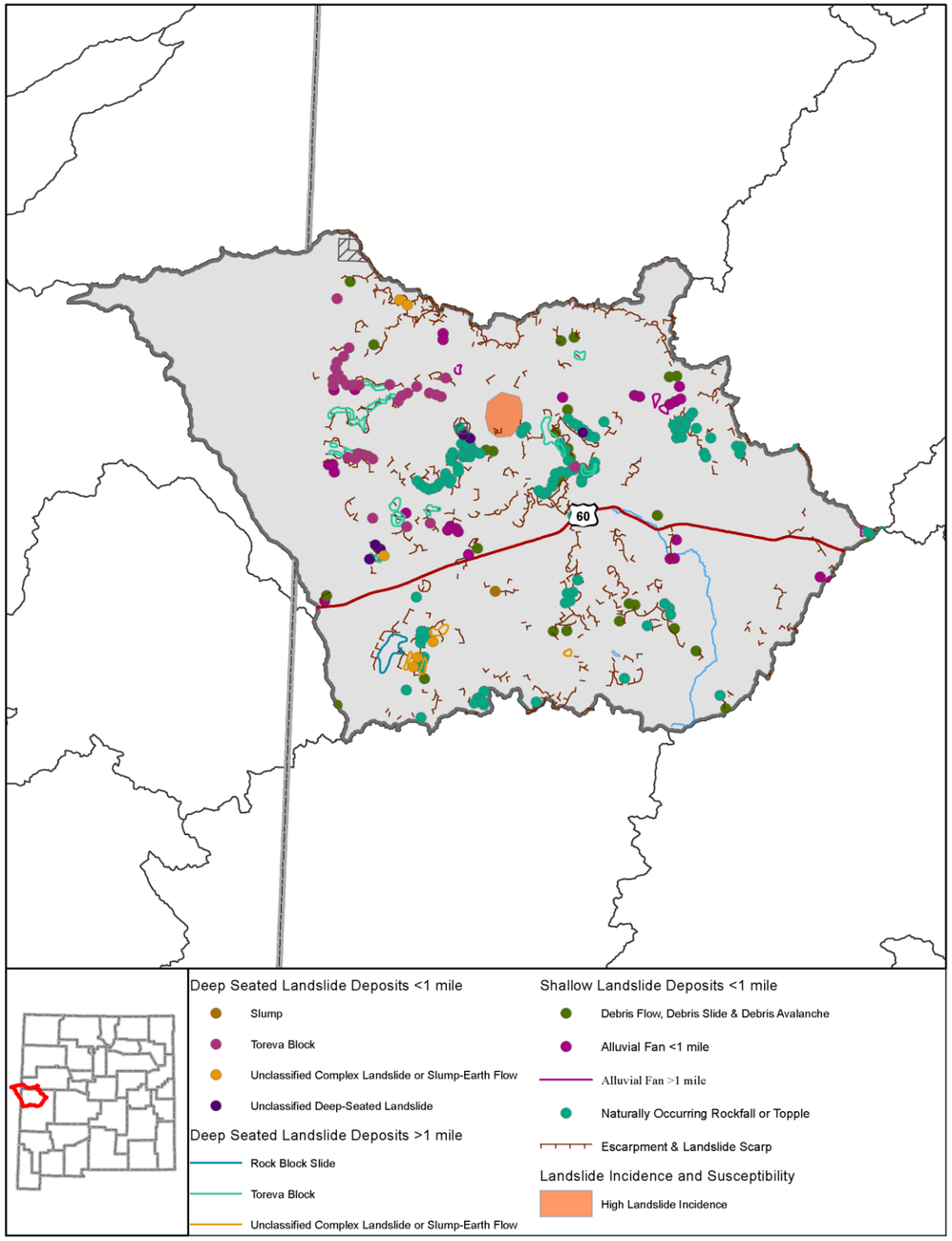
Watershed Characteristics	
Wildfires 2006-2016	16
Acres Burned 2006-2016	8,702

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.22%
	Acres
Interface	88
Intermix	2,707
WUI Addressed Structures	48

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	11
Very High Priority	1

Vegetation Treatments 2006-2016	
Acres Treated	17,920



Carrizo Wash

Risk Rank: Medium

Description

The Carrizo Wash watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron, Cibola

Communities

No communities within this watershed.

Tribal Nations

Zuni Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	13	1%
High susceptibility to landsliding and low incidence	0	0%
Total	1932	85%

Watershed 15020003

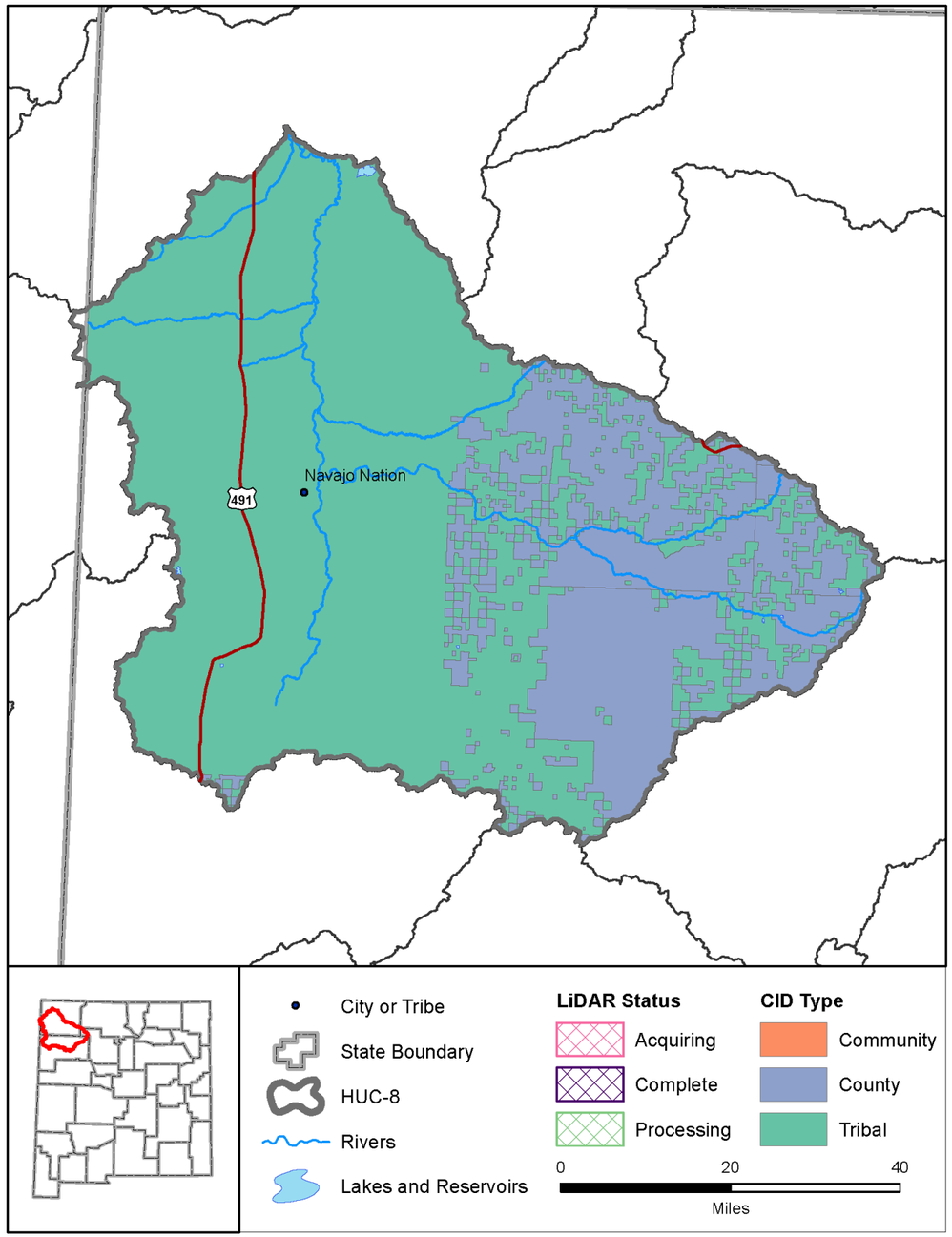
Rockfalls & Topples	107
Escarpments & Landslide Scarps	233

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	30
Alluvial Fan < 1mile	25
Alluvial Fan >1 mile	4
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	1
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	6
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	31
>1 mile	16
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	6
>1 mile	4
Total	465



Chaco

Description

The Chaco watershed is home to approximately 26,000 people in New Mexico and is located on the northwestern border of the state. The watershed is primarily tribal land. The watershed has significant topographic relief from the Chuska Mountains. The Chaco River is the primary hydrologic feature with smaller intermittent tributaries. FIRM data is fairly extensive within the watershed except within tribal land. Lidar data is not available for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

McKinley, Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066673.pdf

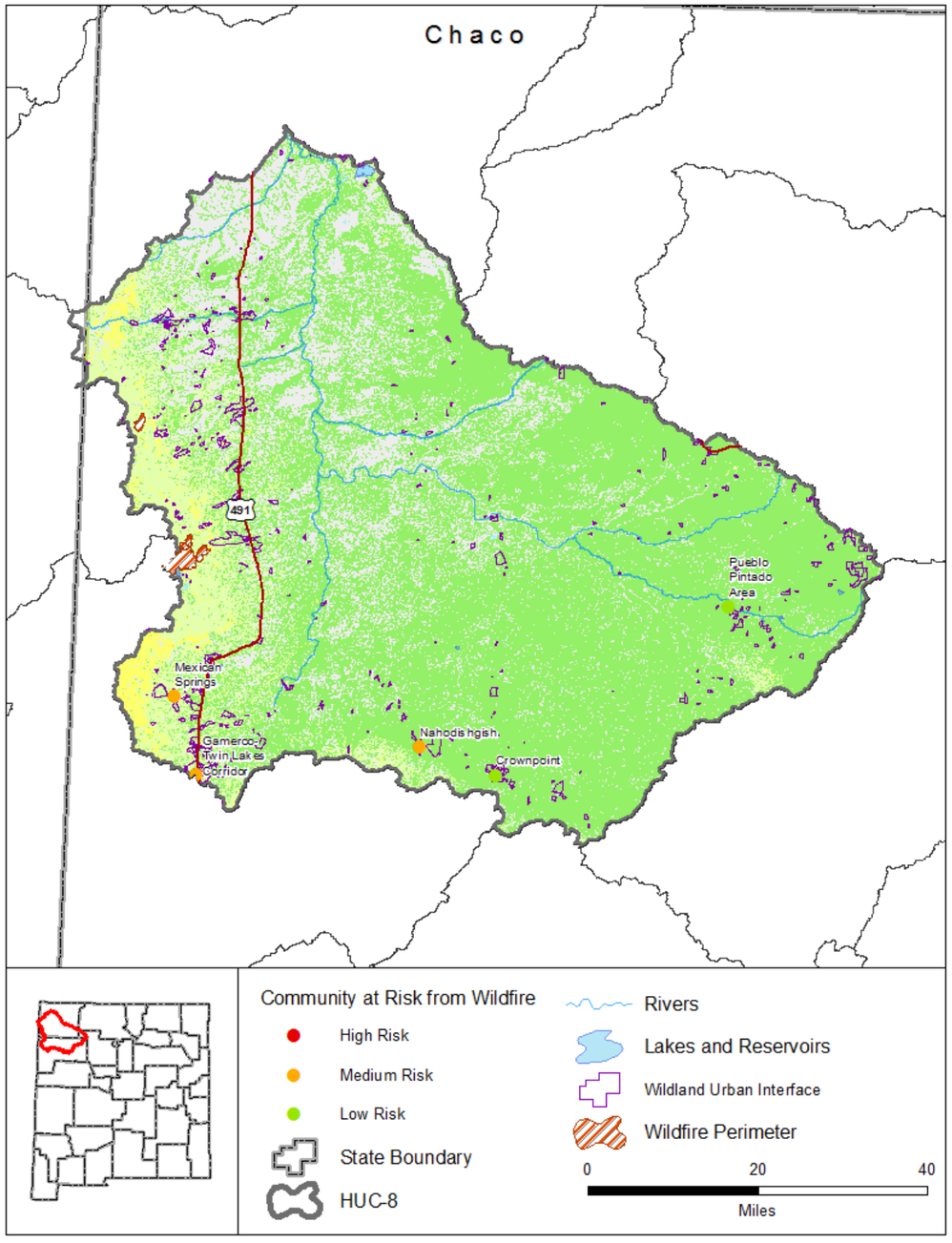
Watershed 14080106

Watershed Characteristics	
Area (sq mi)	4,580
Population in NM	25,682
CNMS Streams (mi)	978
Maximum Elevation (feet)	9,412
Minimum Elevation (feet)	4,937
High Hazard Potential Dams	1
Significant Hazard Potential Dams	2
Low Hazard Potential Dams	8

Ownership	
Percent in New Mexico	99.8 %
Private	2.58 %
State	3.41 %
Tribal	82.17 %
Federal	11.84 %
States	NM, AZ

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	6
NFIP Communities	4
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Chaco

Risk Rank: Low

Description

The Chaco watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 7,076 acres have burned during 5 wildfire events over the last ten years.

Lidar Data Availability

The BLM anticipates collecting USGS QL2 lidar in FY 2017 for a portion of the east central part of the watershed.

Counties

McKinley, Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 14080106

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	67%
Low	11%
Moderate	2%
High	0%
Very High	0%
Non-Burnable	20%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	5
Acres Burned 2006-2016	7,076

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	1.59%
	Acres
Interface	409
Intermix	46,412
WUI Addressed Structures	699

Communities at Risk from Wildland Fire

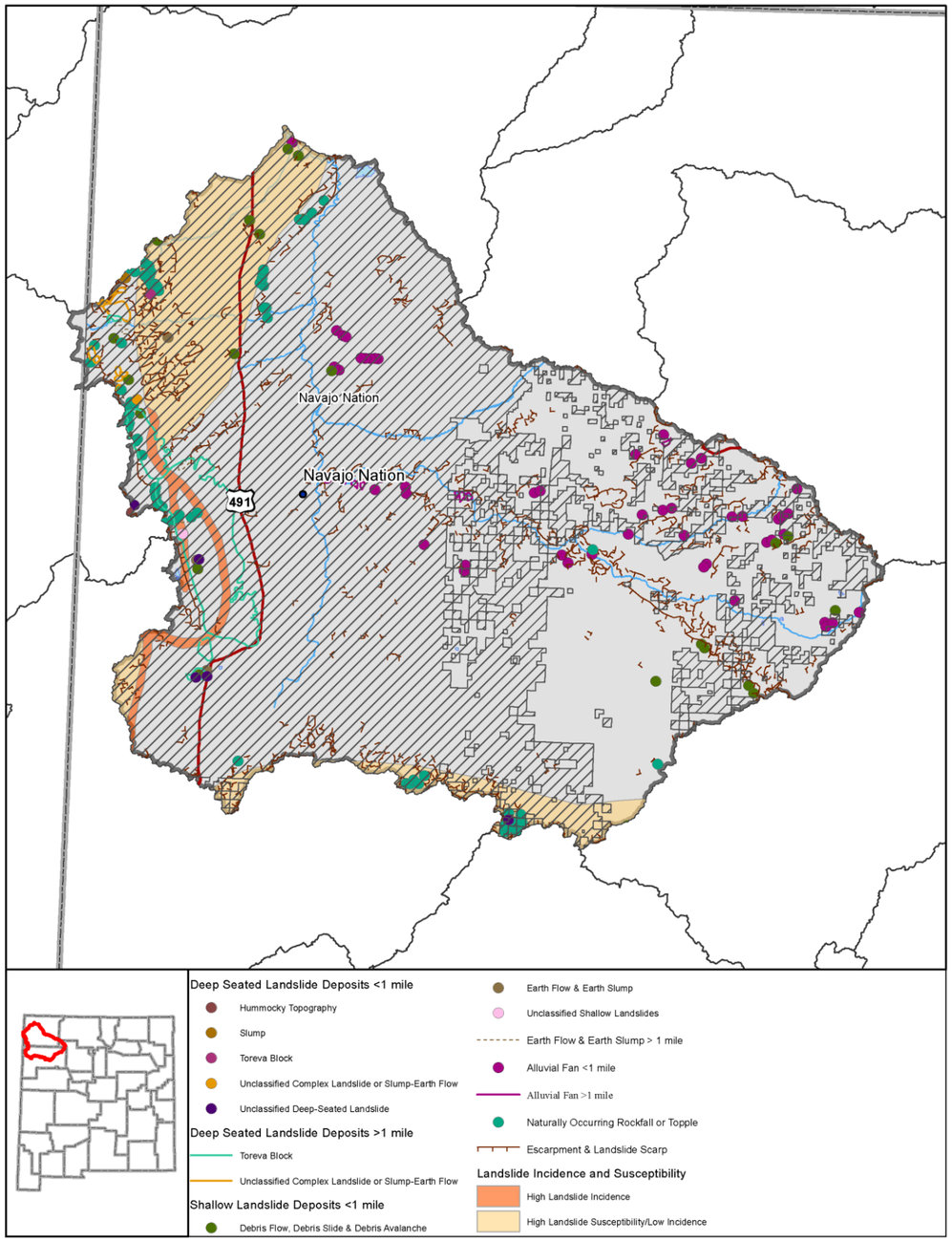
High Risk	0
Medium Risk	3
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	9
Very High Priority	1

Vegetation Treatments 2006-2016

Acres Treated	58,240



Chaco

Risk Rank: Medium

Description

The Chaco watershed is at medium risk of landslide processes.

Lidar Data Availability

The BLM collected USGS QL2 Lidar in 2017 for a portion of the east central part of the watershed, around Chaco Canyon National Historical Park.

Counties

McKinley, Rio Arriba, San Juan, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	65	1%
High susceptibility to landsliding and low incidence	523	11%
Total	4571	100%

Watershed 14080106

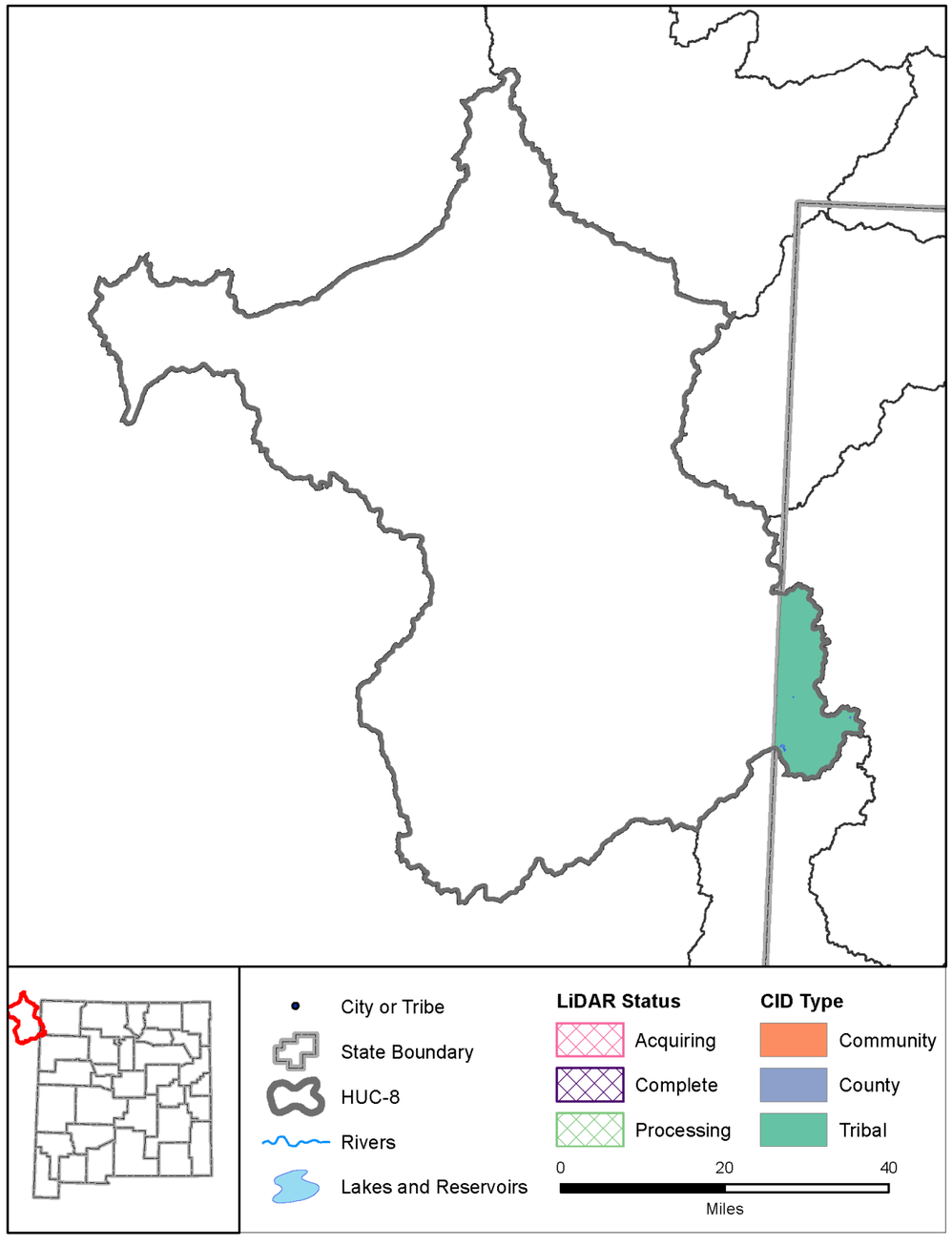
Rockfalls & Topples	65
Escarpments & Landslide Scarps	466

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	3
Earth Flow & Earth Slump>1mile	4
Debris Flow, Debris Slide & Debris Avalanche	22
Alluvial Fan < 1mile	49
Alluvial Fan >1 mile	7
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	5
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	1
>1 mile	9
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	23
Total	658



Chinle

Description

The Chinle watershed is home to approximately 1,000 people in New Mexico and is located on the northwestern border of the state. The watershed is entirely tribal land with less than 4% of the watershed within New Mexico. The New Mexico portion of the watershed is located in the Chuska Mountains. Within New Mexico, Whiskey Creek is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM data or lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

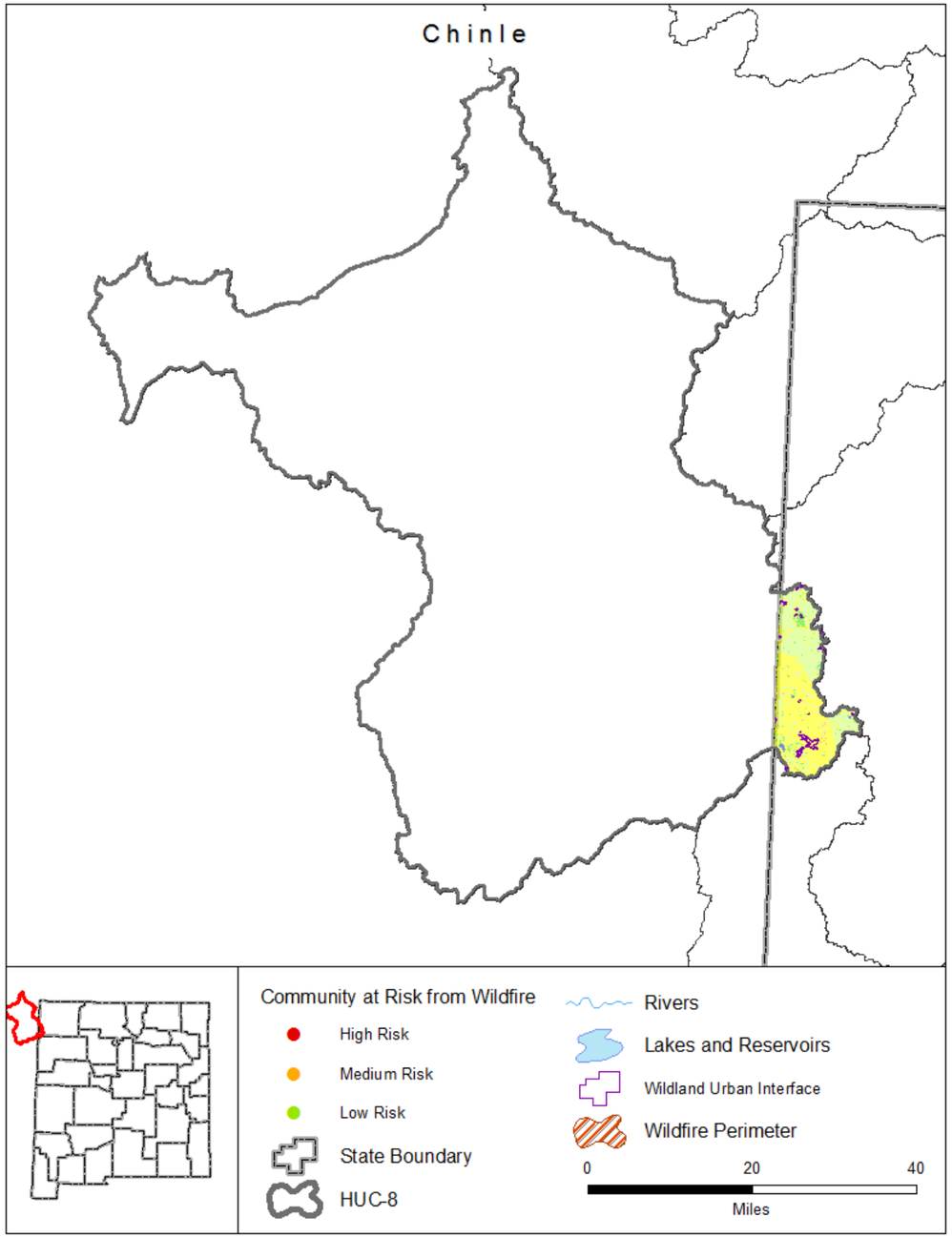
Watershed 14080204

Watershed Characteristics	
Area (sq mi)	4,113
Population in NM	1,099
CNMS Streams (mi)	0
Maximum Elevation (feet)	9,414
Minimum Elevation (feet)	7,253
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	3.52 %
Private	0 %
State	0 %
Tribal	99.98 %
Federal	0 %
States	AZ, NM, UT

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Chinle

Risk Rank: Low

Description

The Chinle watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 14080204

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	5%
Low	39%
Moderate	53%
High	0%
Very High	0%
Non-Burnable	2%
Water	1%

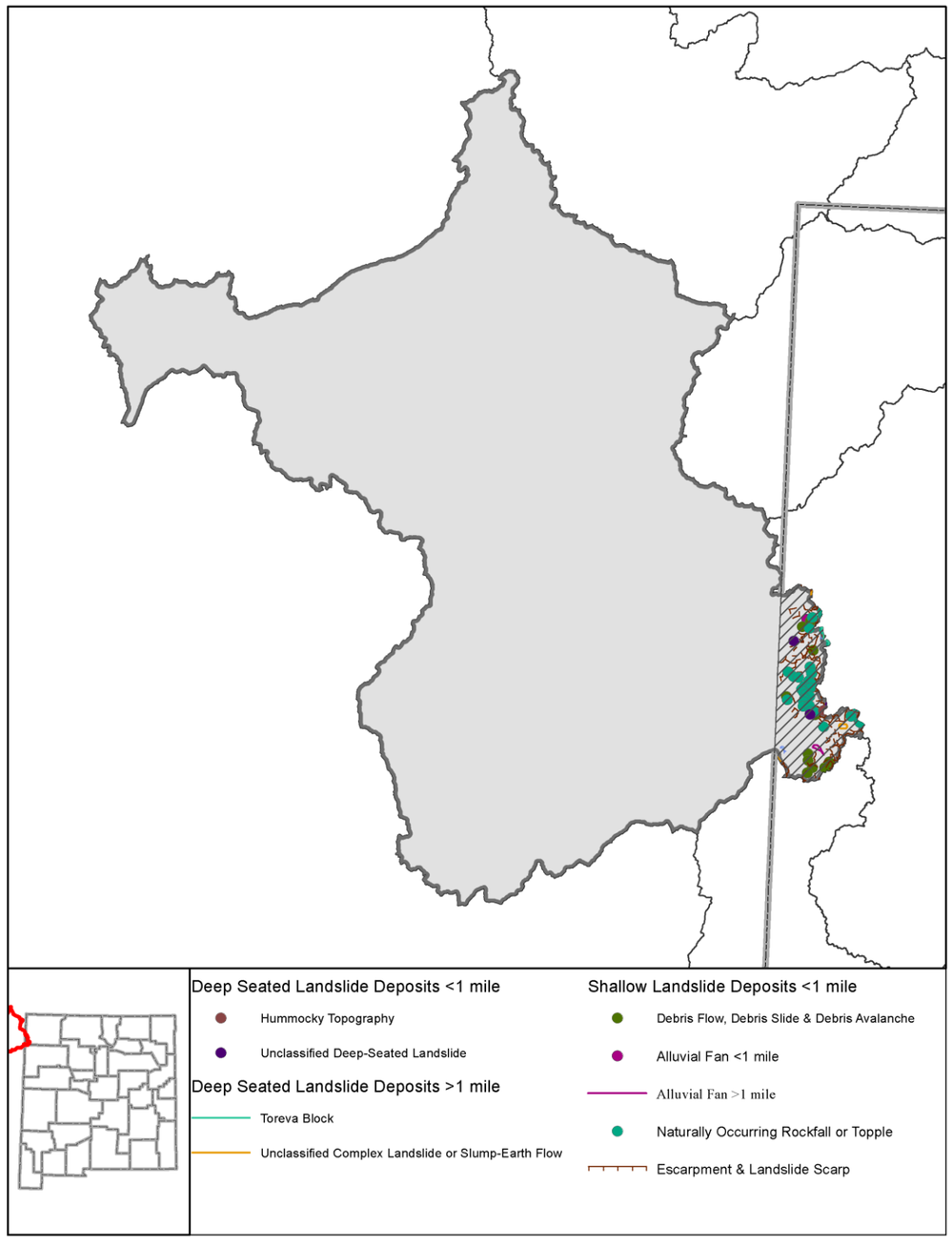
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	36

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	1.77%
	Acres
Interface	2
Intermix	1,637
WUI Addressed Structures	41

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	5
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Chinle

Risk Rank: Low

Description

The Chinle watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	145	4%

Watershed 14080204

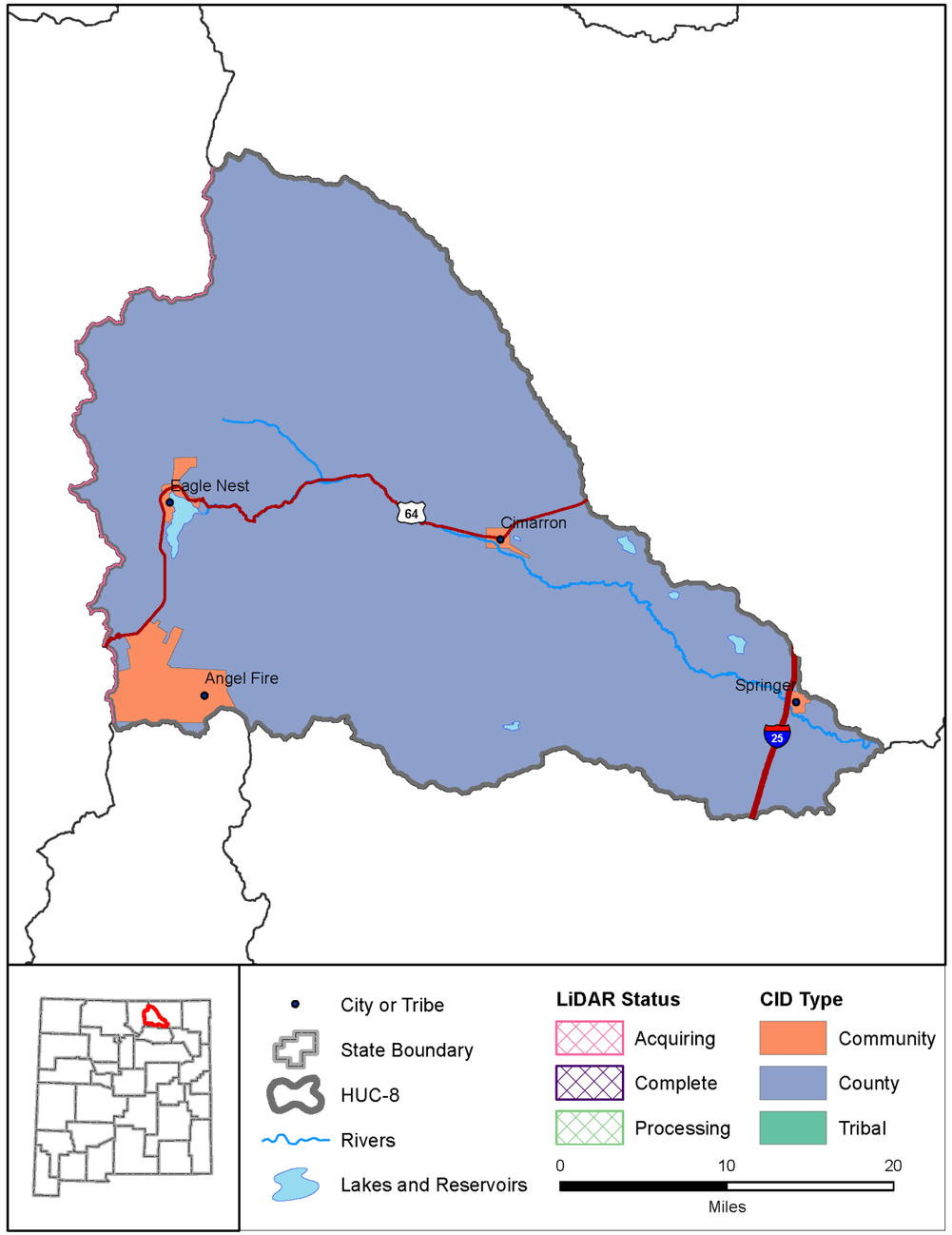
Rockfalls & Topples	0
Escarpments & Landslide Scarps	32

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	12
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	2
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	1
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	3
Total	52



Cimarron

Description

The Cimarron watershed is home to approximately 14,000 people in northeastern New Mexico. The watershed is topographically varied with a change in elevation of almost 7,000 feet and is bordered on the western side by the Sangre De Cristo Mountain Range and the Park Plateau along the northeastern boundry. Additionaly, the Cimarron Range is located within this watershed. The primary hydrologic features are the Cimarron River and Eagle Nest and Miami Lake. The watershed has limited FIRM data. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Taos

Communities

Angel Fire, Cimarron, Eagle Nest, Springer

Tribal Nations

Taos Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

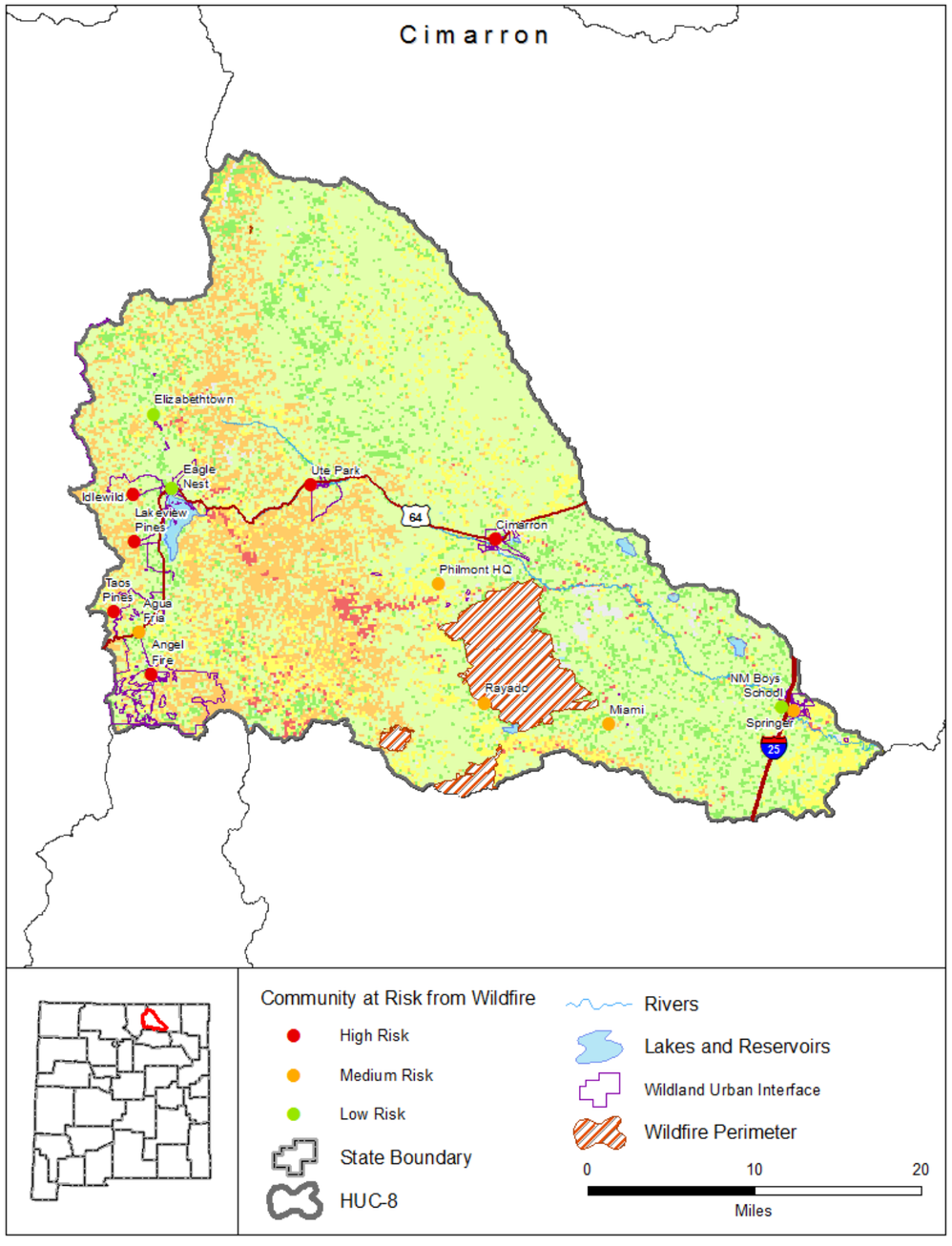
Watershed 11080002

Watershed Characteristics	
Area (sq mi)	1,049
Population in NM	3,837
CNMS Streams (mi)	104
Maximum Elevation (feet)	12,575
Minimum Elevation (feet)	5,671
High Hazard Potential Dams	10
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	5

Ownership	
Percent in New Mexico	100 %
Private	82.75 %
State	2.03 %
Tribal	0.01 %
Federal	15.21 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	7
NFIP Communities	5
NFIP Policies	10
Policies within the SFHA	3
Policies outside of the SFHA	7
NFIP Premium Total	$ 6,714
NFIP Claims	2
Claims within the SFHA	0
Claims outside of the SFHA	2
Paid Claims	$ 12,288
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Cimarron

Risk Rank: High

Description

The Cimarron watershed is at high risk of wildfire and the communities of Angel Fire, Cimarron, Idlewild, Lakeview Pines, Taos Pines, Ute Park were identified as high risk in the local Community Wildfire Protection Plan. A total of 31,724 acres have burned during 4 wildfire events over the last ten years. Lidar data will be collected in FY 2017 by NRCS.

Lidar Data Availability

USGS Quality Level 2 lidar data will be collected in FY 2017 by NRCS.

Counties

Colfax, Taos

Communities

Angel Fire, Cimarron, Eagle Nest, Springer

Tribal Nations

Taos Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Angel Fire, Cimarron, Idlewild, Lakeview Pines, Taos Pines, Ute Park

Watershed 11080002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	14%
Low	58%
Moderate	10%
High	14%
Very High	1%
Non-Burnable	1%
Water	1%

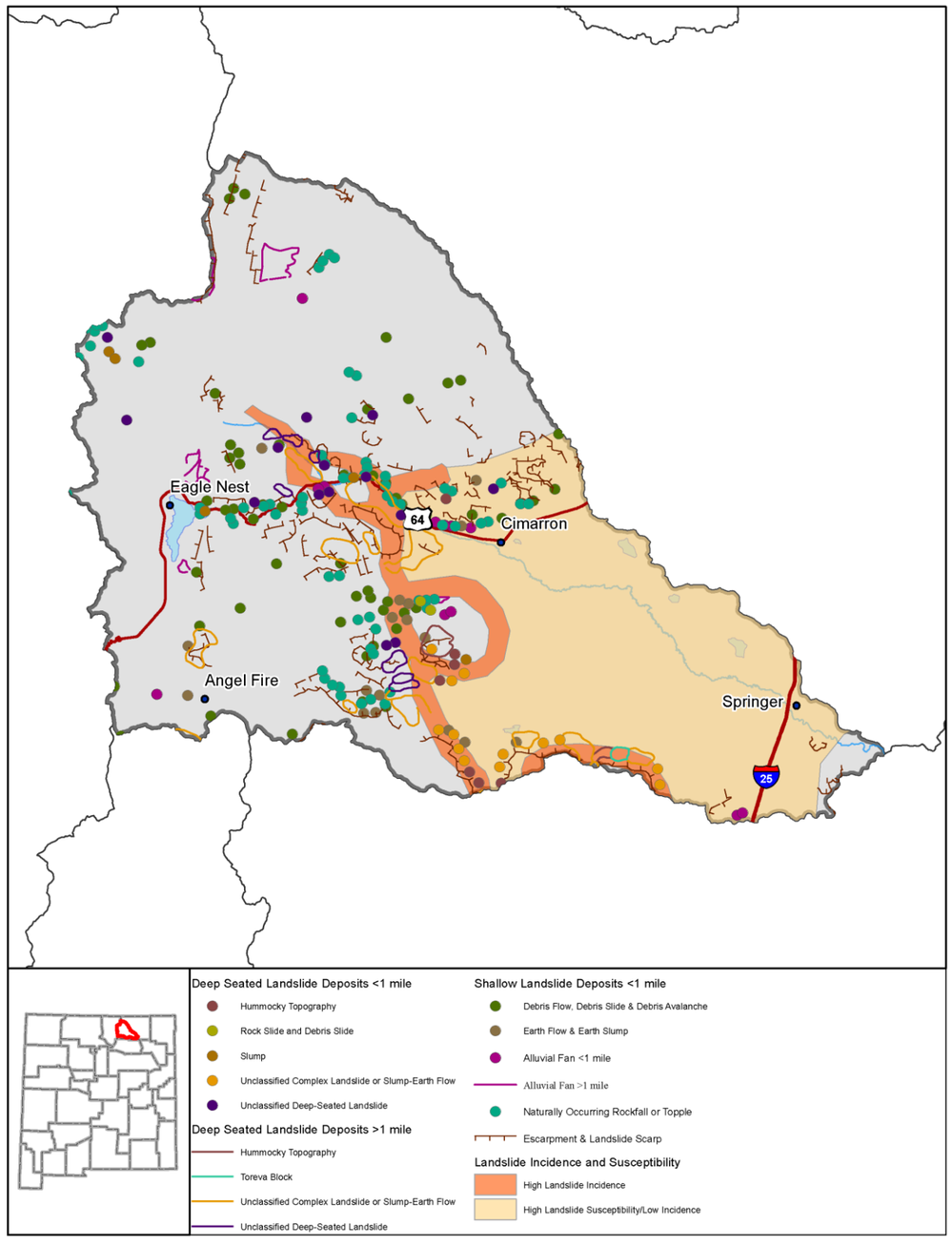
Watershed Characteristics	
Wildfires 2006-2016	4
Acres Burned 2006-2016	31,724

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.12%
Intermix	3.87%
	Acres
Interface	821
Intermix	26,023
WUI Addressed Structures	286

Communities at Risk from Wildland Fire	
High Risk	6
Medium Risk	5
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	13
Very High Priority	4

Vegetation Treatments 2006-2016	
Acres Treated	7,040



Cimarron

Risk Rank: Medium

Description

The Cimarron watershed is at medium risk of landslide processes.

Lidar Data Availability

NRCS collected USGS Quality Level 2 Lidar data was collected in 2016.

Counties

Colfax, Taos

Communities

Angel Fire, Cimarron, Eagle Nest, Springer

Tribal Nations

Taos Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	71	7%
High susceptibility to landsliding and low incidence	324	31%
Total	1049	100%

Watershed 11080002

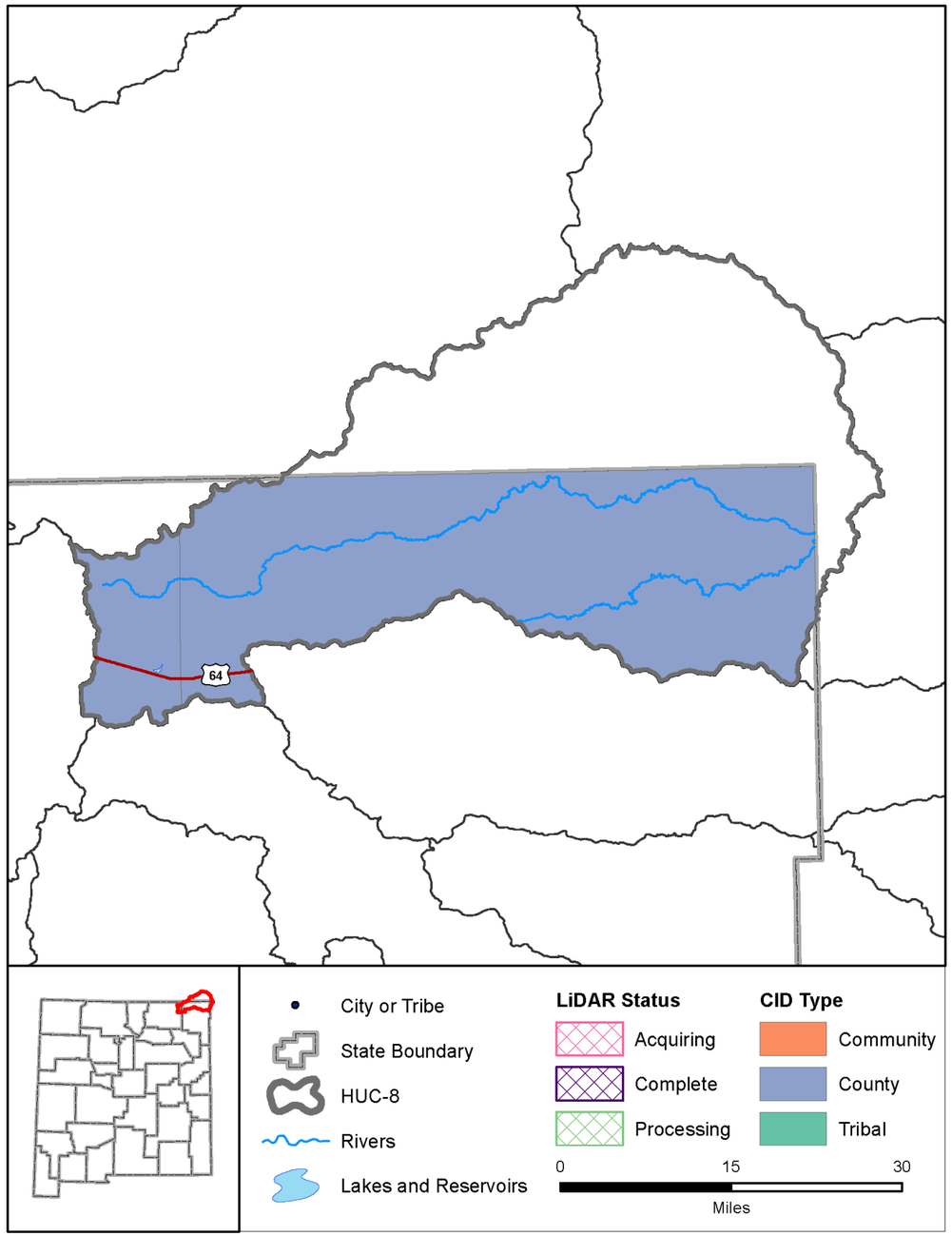
Rockfalls & Topples	64
Escarpments & Landslide Scarps	90

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	17
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	53
Alluvial Fan < 1mile	12
Alluvial Fan >1 mile	19
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	5
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	2
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	15
>1 mile	1
Hummocky Topography	
<1 mile	7
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	4
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	13
>1 mile	9
Total	313



Cimarron Headwaters

Description

The Cimarron Headwaters watershed is home to approximately 500 people in northeastern New Mexico. Topographically, the watershed is bound by the Pinon Ridge, multiple mesas and multiple canyons. The primary hydrologic feature is the Cimarron River. The watershed has no FIRM or FHBM data. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

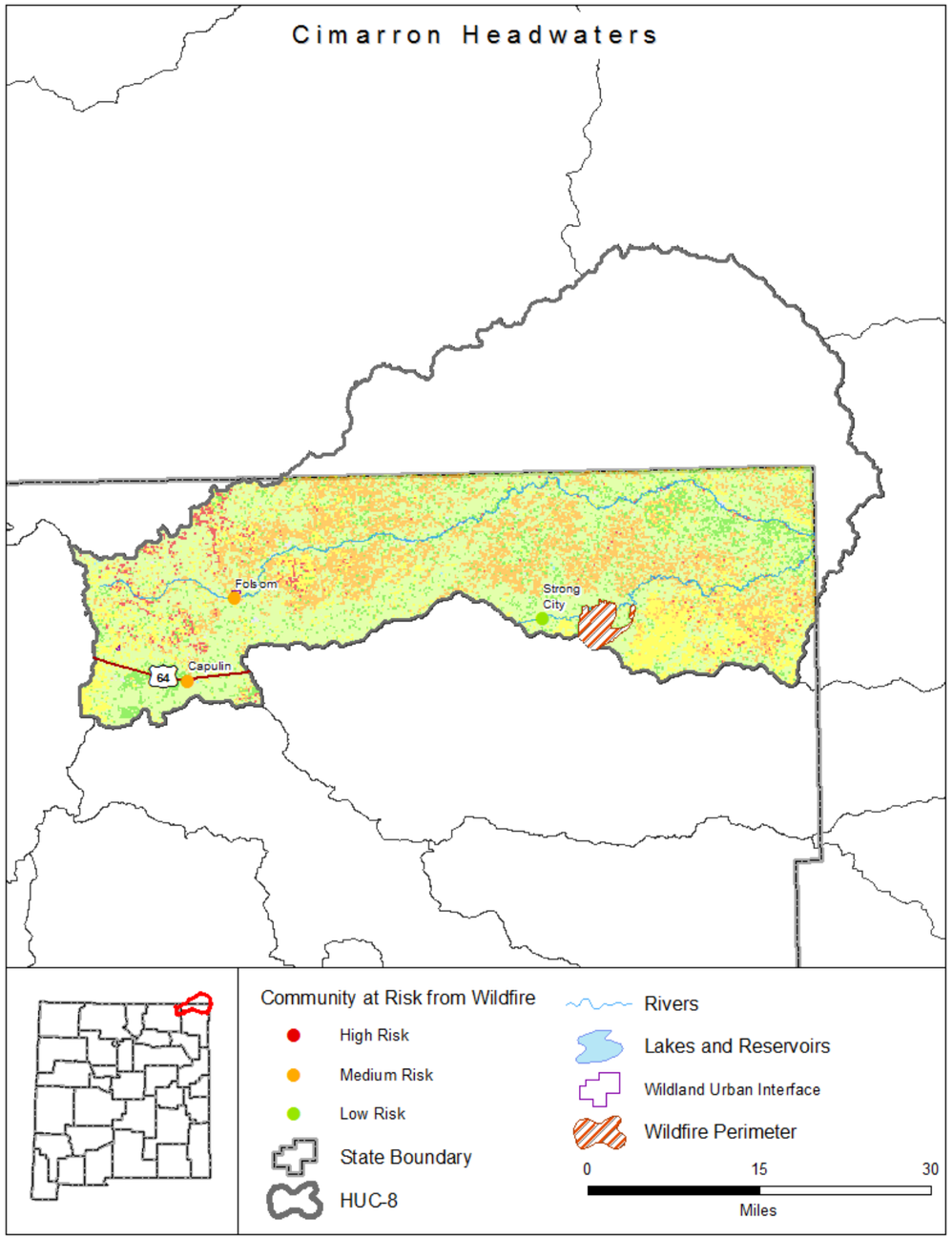
Watershed 11040001

Watershed Characteristics	
Area (sq mi)	1,677
Population in NM	480
CNMS Streams (mi)	0
Maximum Elevation (feet)	8,716
Minimum Elevation (feet)	4,326
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	58.81 %
Private	78.6 %
State	21.22 %
Tribal	0 %
Federal	0.16 %
States	CO, NM, OK

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Cimarron Headwaters

Risk Rank: Medium

Description

The Cimarron Headwaters watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 7,638 acres have burned during 1 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11040001

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	11%
Low	54%
Moderate	13%
High	19%
Very High	2%
Non-Burnable	1%
Water	0%

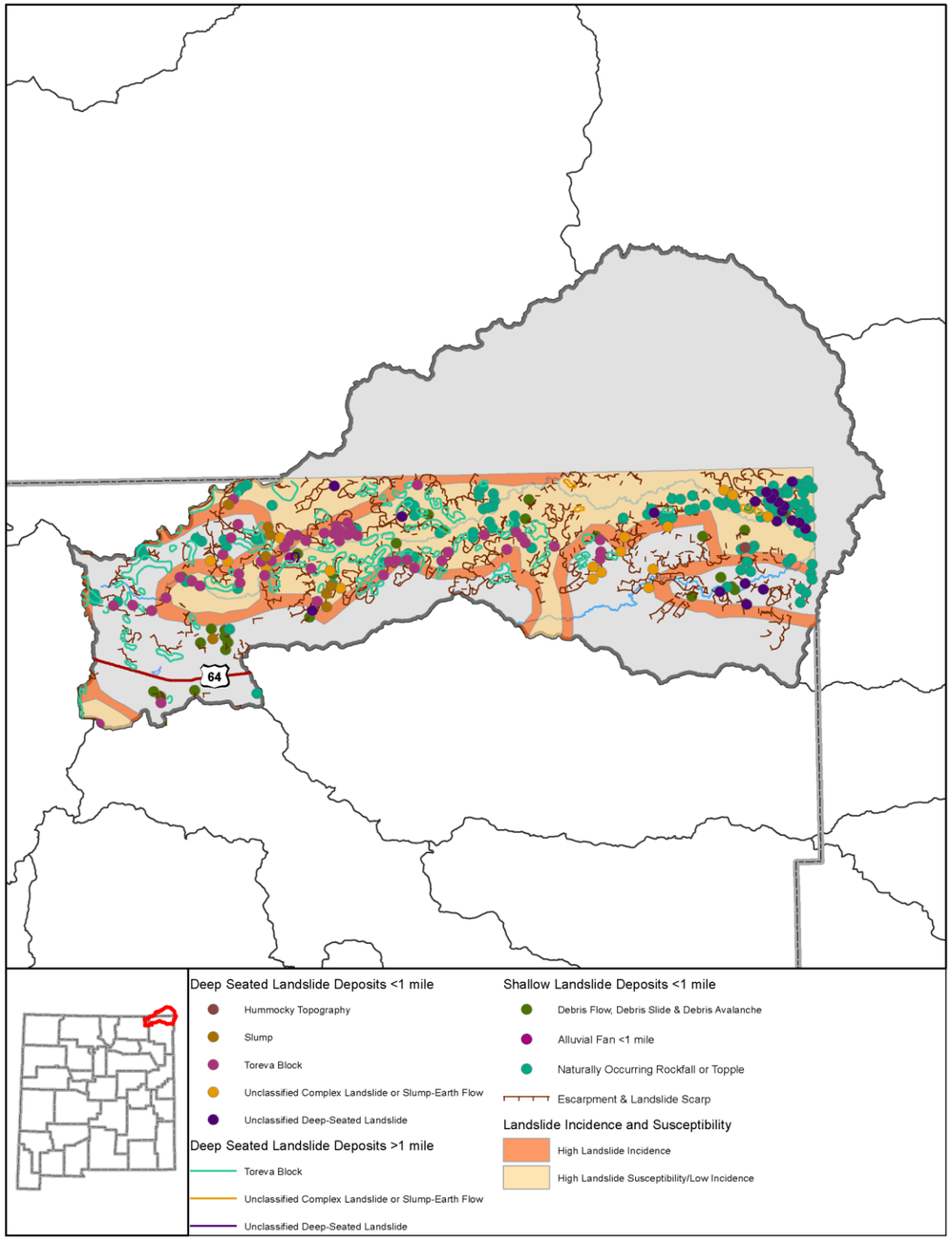
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	7,638

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.07%
	Acres
Interface	16
Intermix	473
WUI Addressed Structures	20

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	2
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	2
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Cimarron Headwaters

Risk Rank: Medium

Description

The Cimarron Headwaters watershed is at medium risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	167	10%
High susceptibility to landsliding and low incidence	373	22%
Total	986	59%

Watershed 11040001

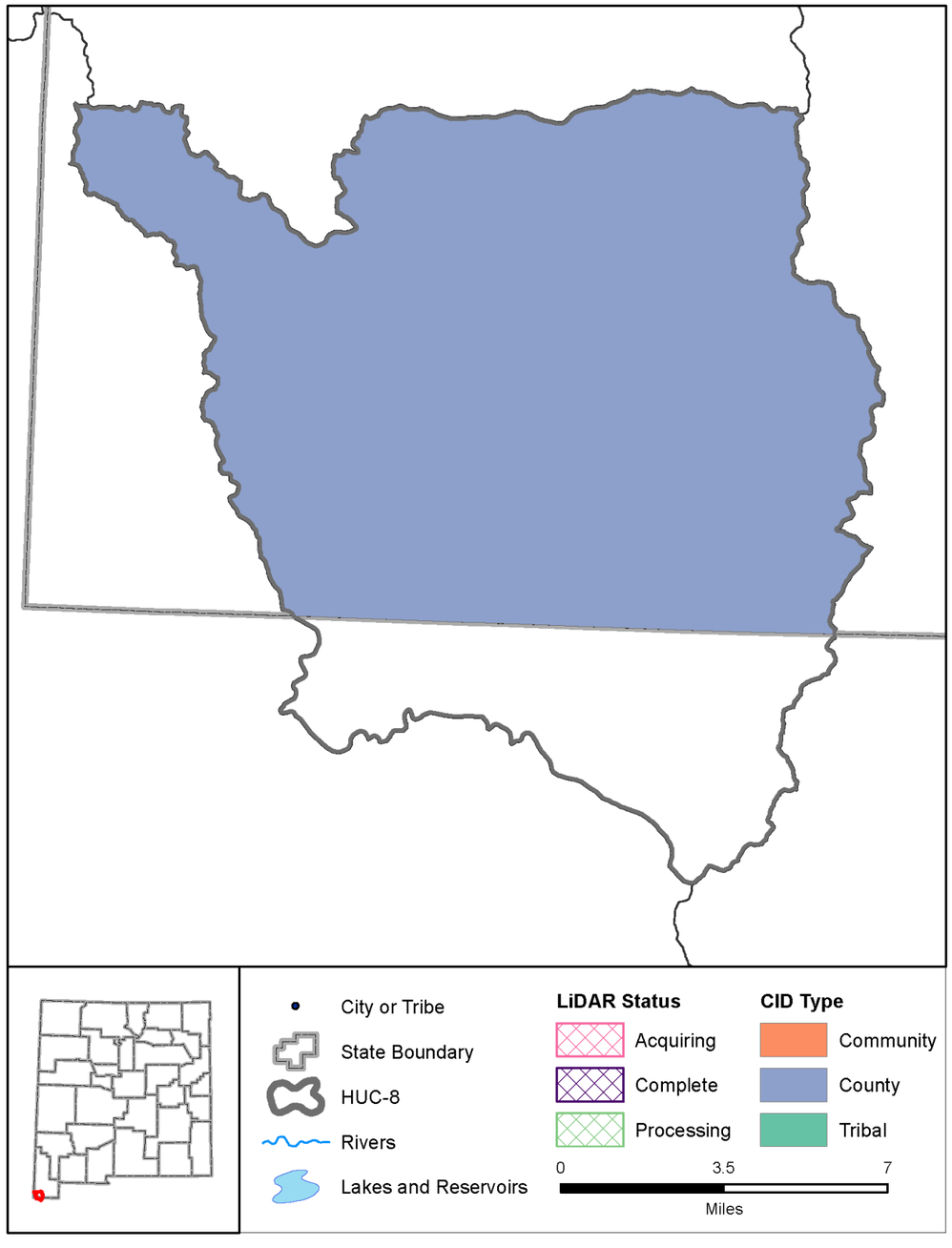
Rockfalls & Topples	116
Escarpments & Landslide Scarps	171

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	27
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	8
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	20
>1 mile	1
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	51
>1 mile	120
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	17
>1 mile	4
Total	536



Cloverdale

Description

The Cloverdale watershed is home to fewer than 100 people and is located on the southwestern border of New Mexico. The watershed is bound by the Guadalupe Mountains and the San Luis Mountains. The major hydrologic feature is Cloverdale Creek with smaller intermittent tributaries. There is no FIRM data or FHBM data within the watershed and no large area lidar data. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066993.pdf

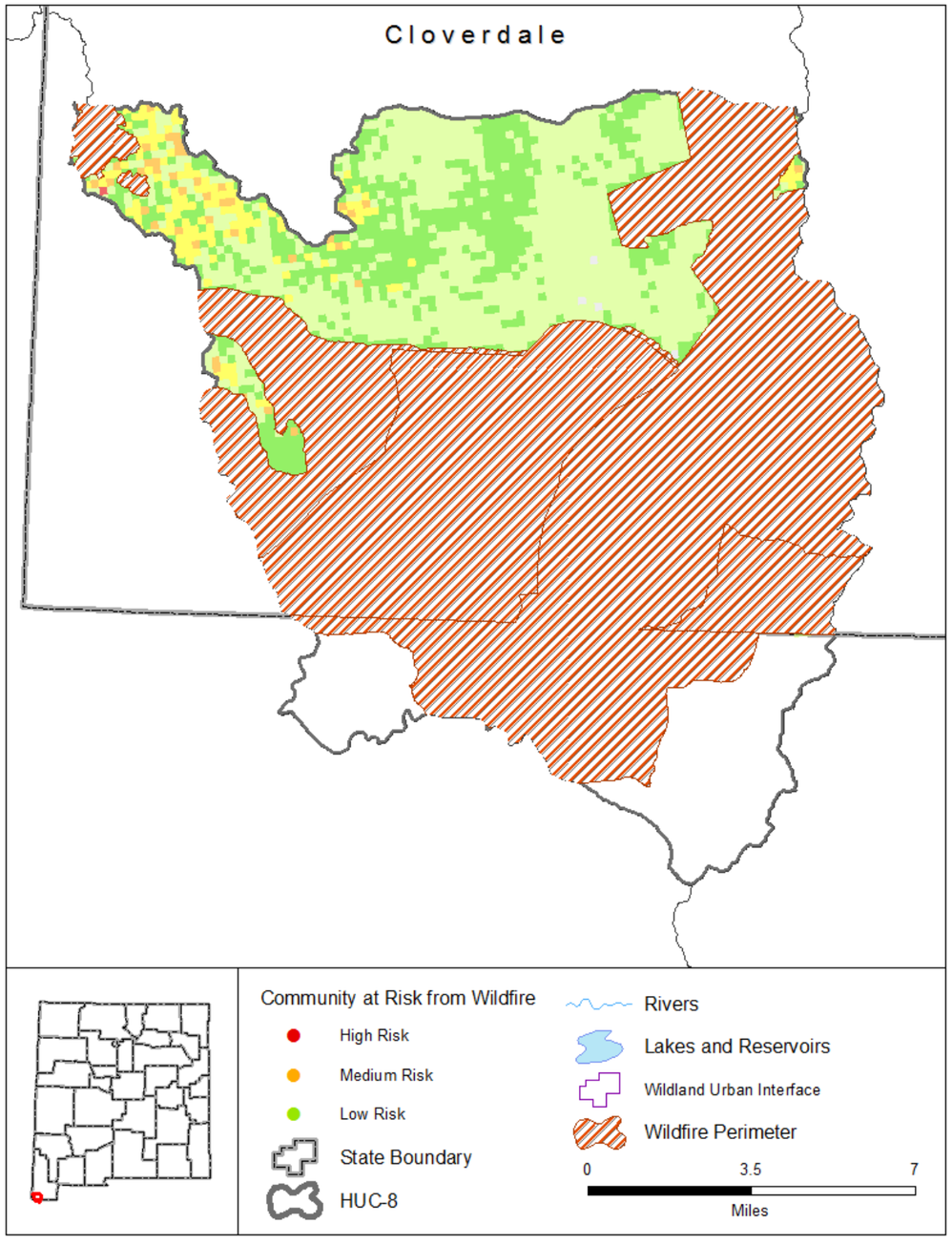
Watershed 15080303

Watershed Characteristics	
Area (sq mi)	183
Population in NM	35
CNMS Streams (mi)	0
Maximum Elevation (feet)	6,788
Minimum Elevation (feet)	5,149
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	80.57 %
Private	81.91 %
State	1.03 %
Tribal	0 %
Federal	17.06 %
States	NM, MX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Cloverdale

Risk Rank: Low

Description

The Cloverdale watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 87,596 acres have burned during 17 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Communities at High Risk of Wildland Fire

None.

Watershed 15080303

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	72%
Low	23%
Moderate	3%
High	1%
Very High	0%
Non-Burnable	0%
Water	0%

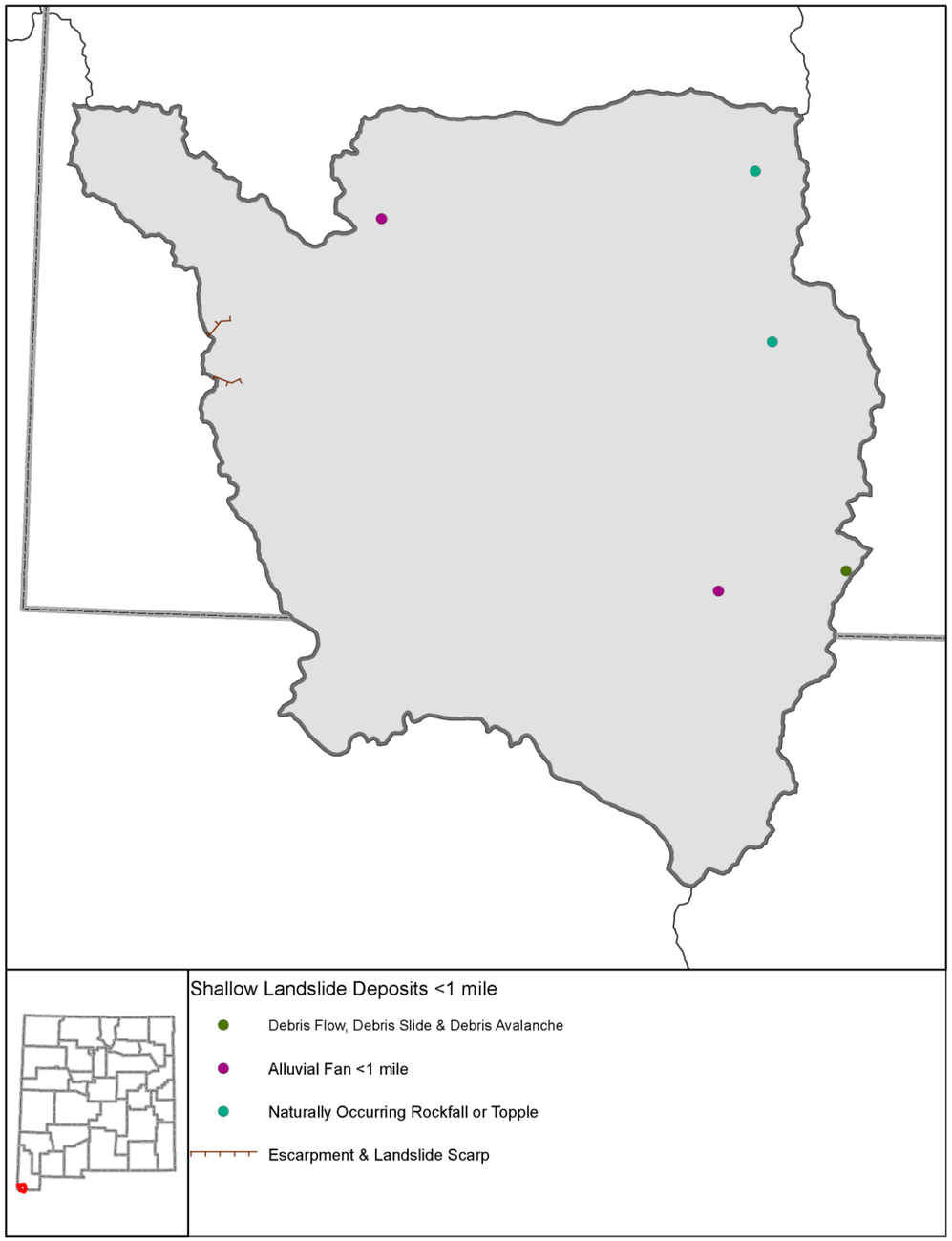
Watershed Characteristics	
Wildfires 2006-2016	17
Acres Burned 2006-2016	87,596

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	13,440



Cloverdale

Risk Rank: Low

Description

The Cloverdale watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	147	80%

Watershed 15080303

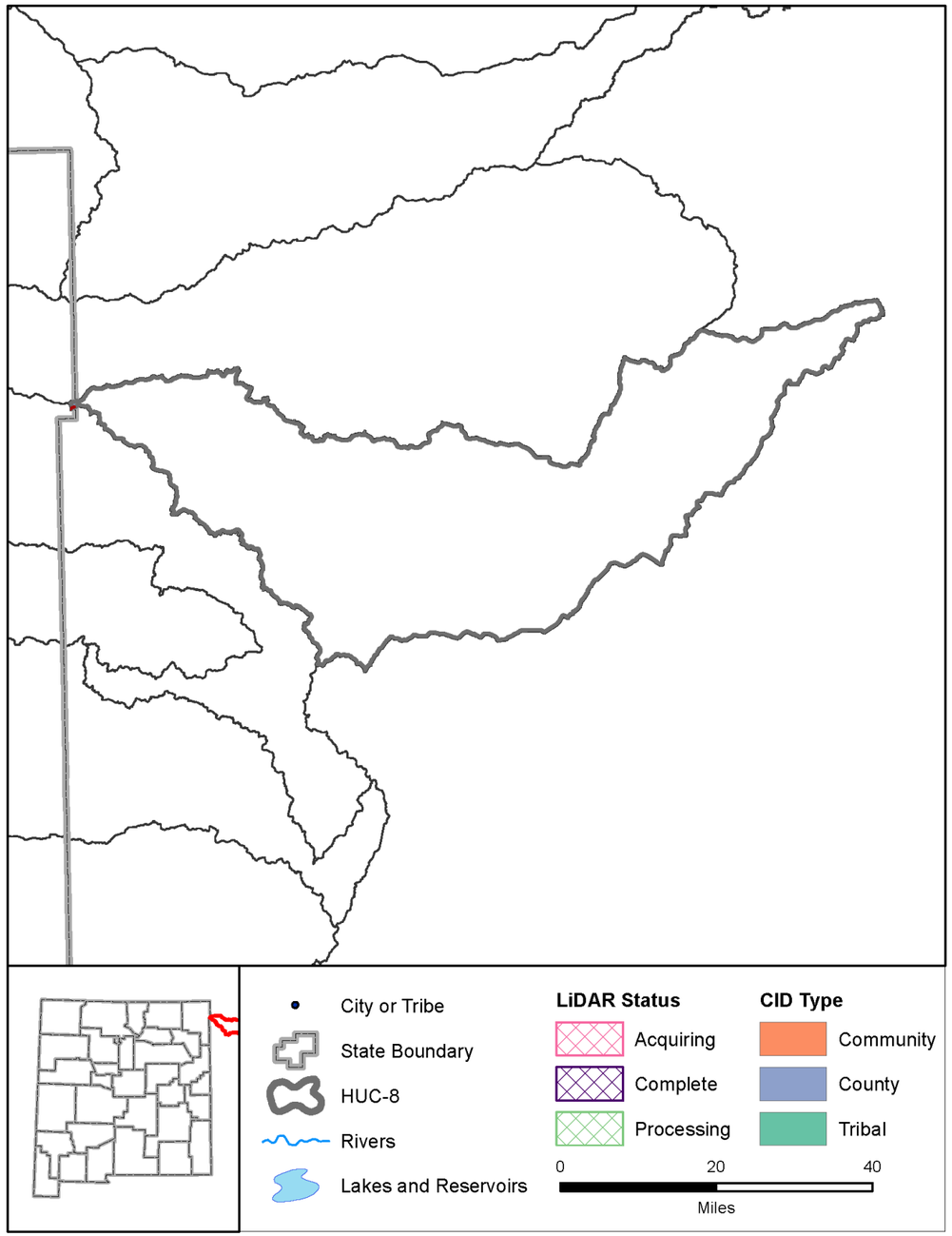
Rockfalls & Topples	2
Escarpments & Landslide Scarps	2

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	1
Alluvial Fan < 1mile	2
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	7



Coldwater

Description

The Coldwater watershed contains less than 1 square mile within New Mexico. Unless requested by local officials, future flood studies should be coordinated by either Texas or Oklahoma.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

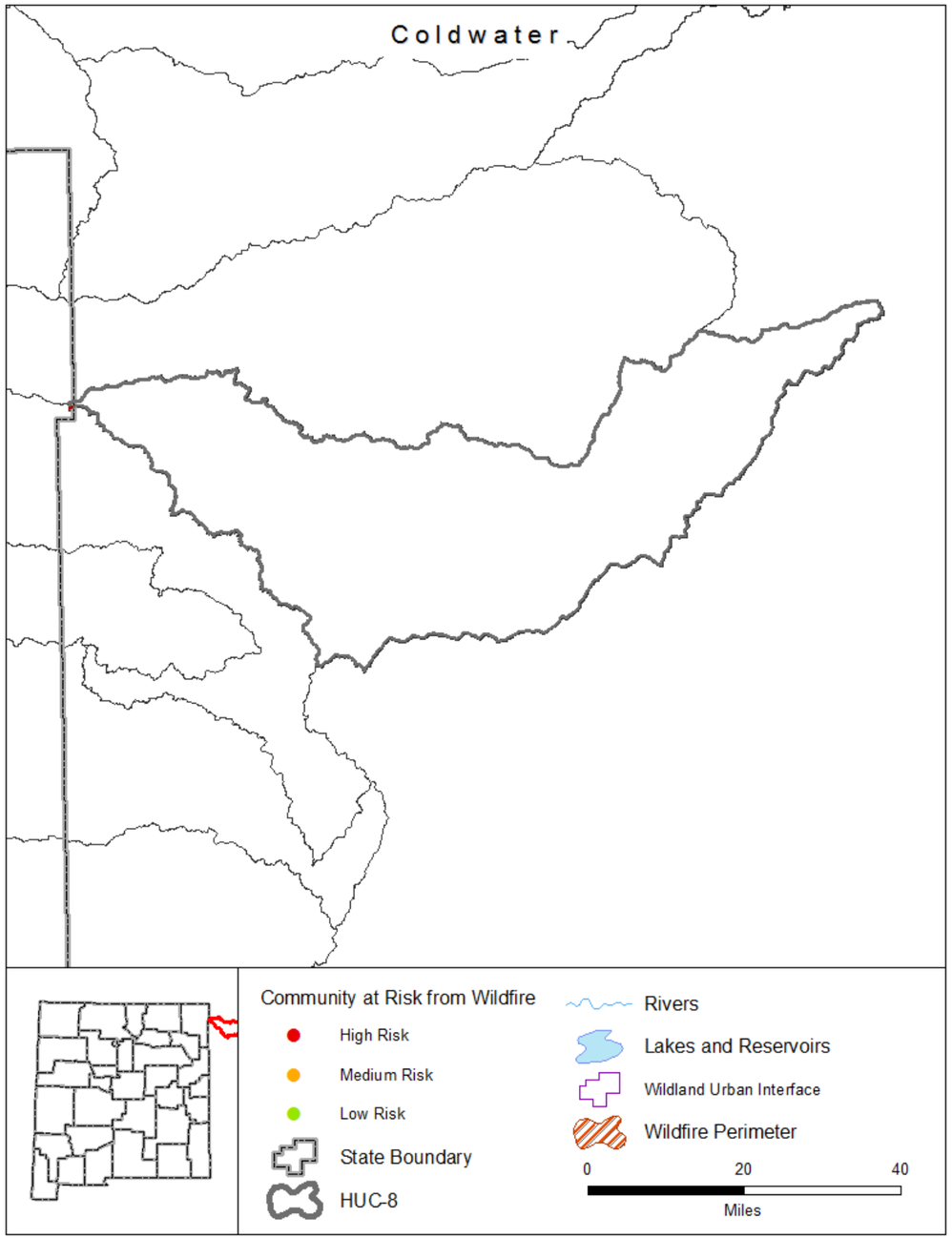
Watershed 11100103

Watershed Characteristics	
Area (sq mi)	1,964
Population in NM	23
CNMS Streams (mi)	0
Maximum Elevation (feet)	4,787
Minimum Elevation (feet)	4,734
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	0.04 %
Private	71.44 %
State	0 %
Tribal	0 %
Federal	27.4 %
States	TX, OK, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	0
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Coldwater

Risk Rank: Low

Description

The Coldwater watershed contains less than 1 square mile within New Mexico. It is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11100103

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	25%
Low	52%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	23%
Water	0%

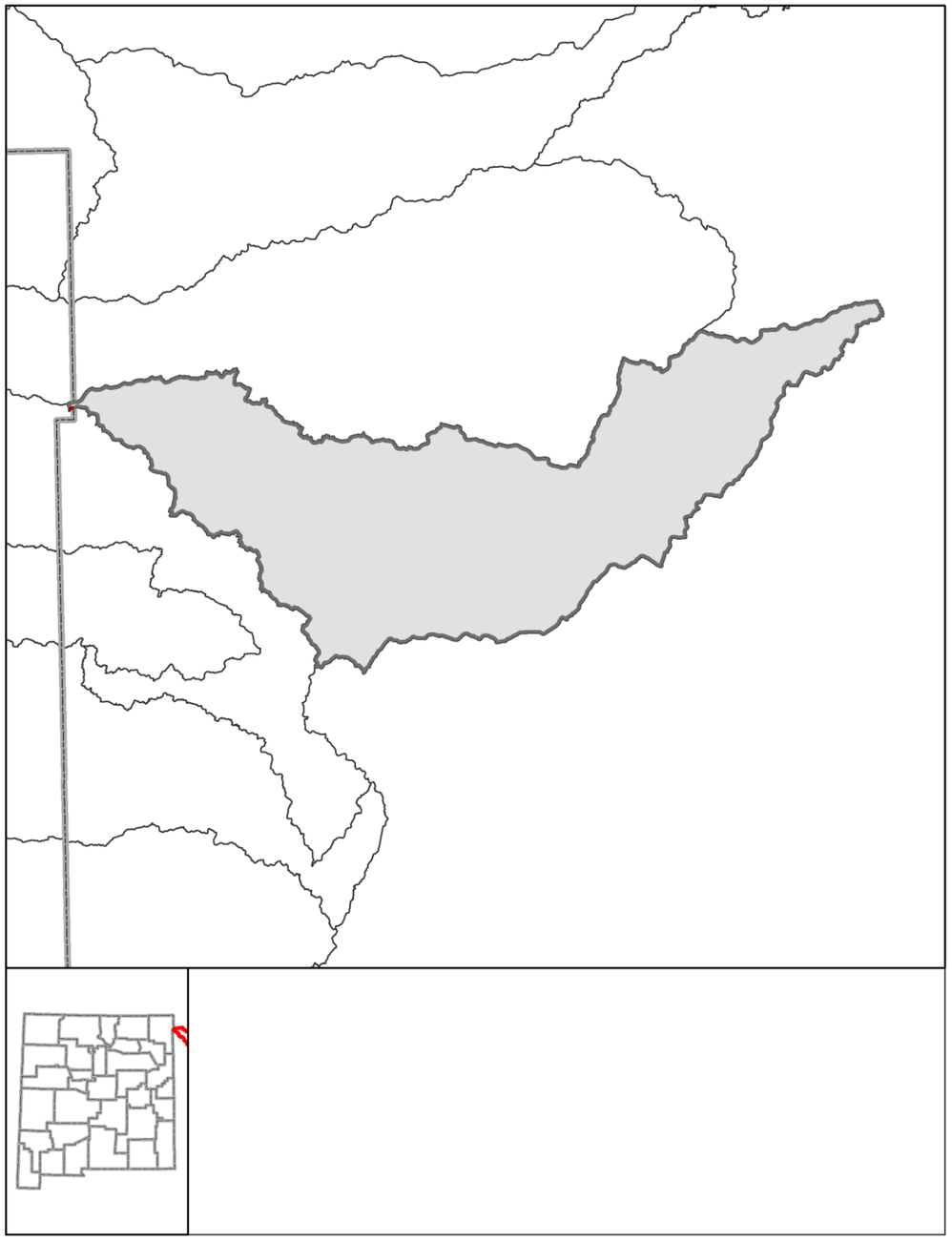
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Coldwater

Risk Rank: None/Unknown

Description

The Coldwater watershed contains less than 1 square mile within New Mexico It is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1	0%

Watershed 11100103

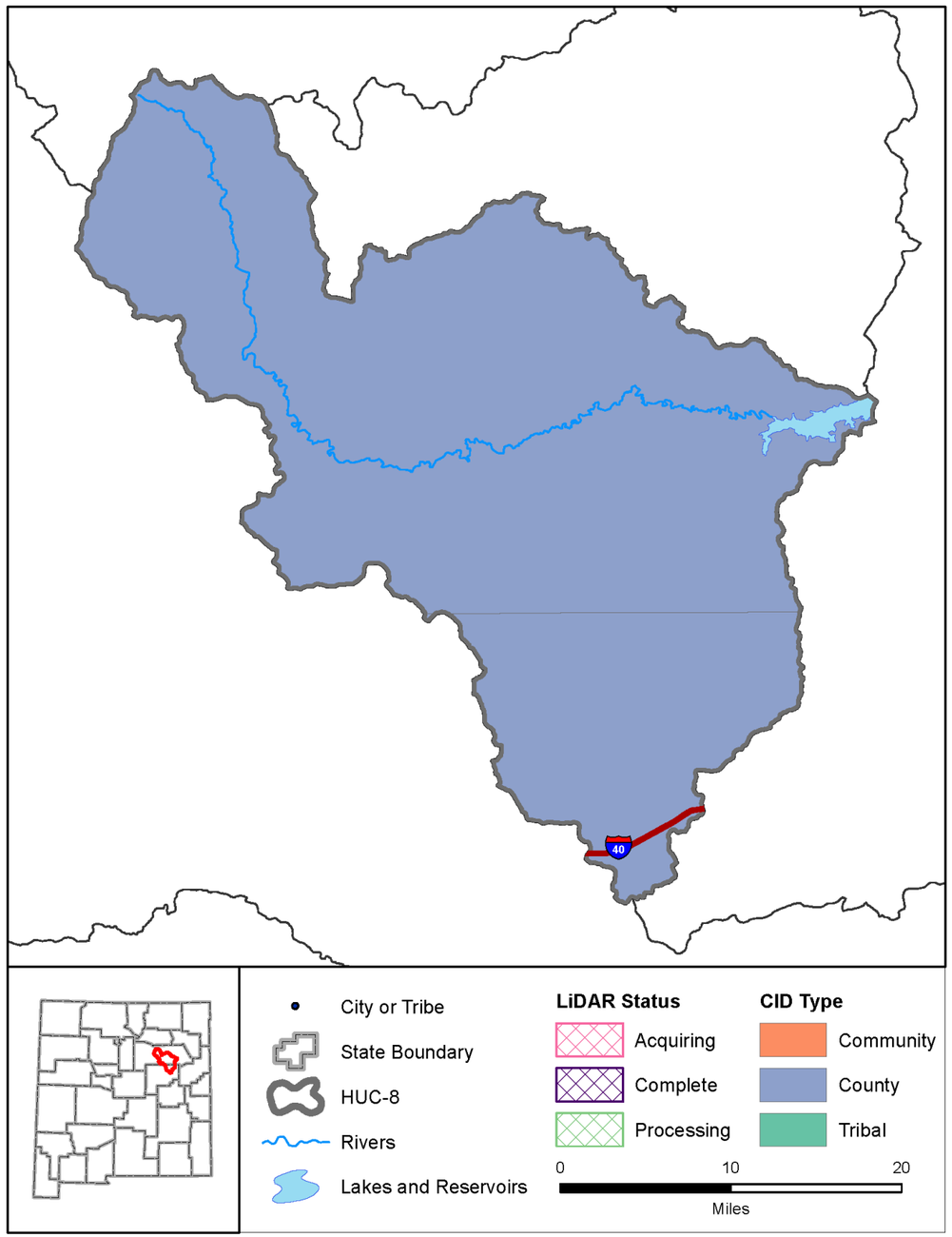
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Conchas

Description

The Upper Canadian-Ute Reservoir watershed is home to approximately 500 people in northeastern New Mexico. Topographically, this area includes many mesas, valleys and arroyos. The primary hydrologic features include Conchas Lake, Conchas River, Corazon Creek, and many tributaries and estuaries. There is extensive FIRM data within San Miguel County but none in Guadalupe. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Guadalupe, San Miguel

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

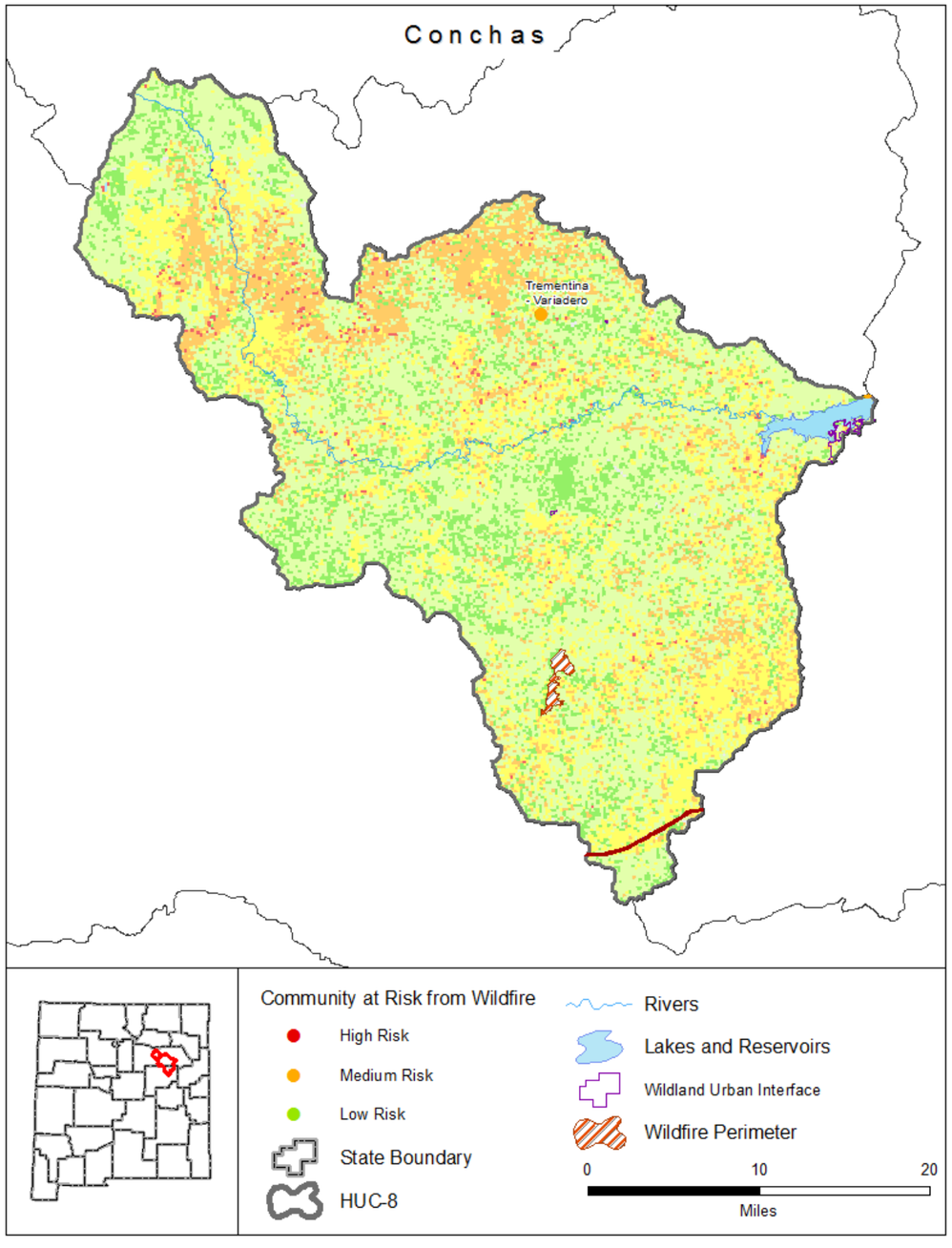
Watershed 11080005

Watershed Characteristics	
Area (sq mi)	1,016
Population in NM	462
CNMS Streams (mi)	354
Maximum Elevation (feet)	6,996
Minimum Elevation (feet)	4,130
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	88.91 %
State	9.95 %
Tribal	0 %
Federal	1.14 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	8
Policies within the SFHA	8
Policies outside of the SFHA	0
NFIP Premium Total	$ 9,225
NFIP Claims	1
Claims within the SFHA	1
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Conchas

Risk Rank: Medium

Description

The Conchas watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 1,536 acres have burned during 1 wildfire event over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Guadalupe, San Miguel

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11080005

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	15%
Low	50%
Moderate	20%
High	13%
Very High	1%
Non-Burnable	0%
Water	1%

Watershed Characteristics

Wildfires 2006-2016	1
Acres Burned 2006-2016	1,536

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.19%
	Acres
Interface	8
Intermix	1,263
WUI Addressed Structures	47

Communities at Risk from Wildland Fire

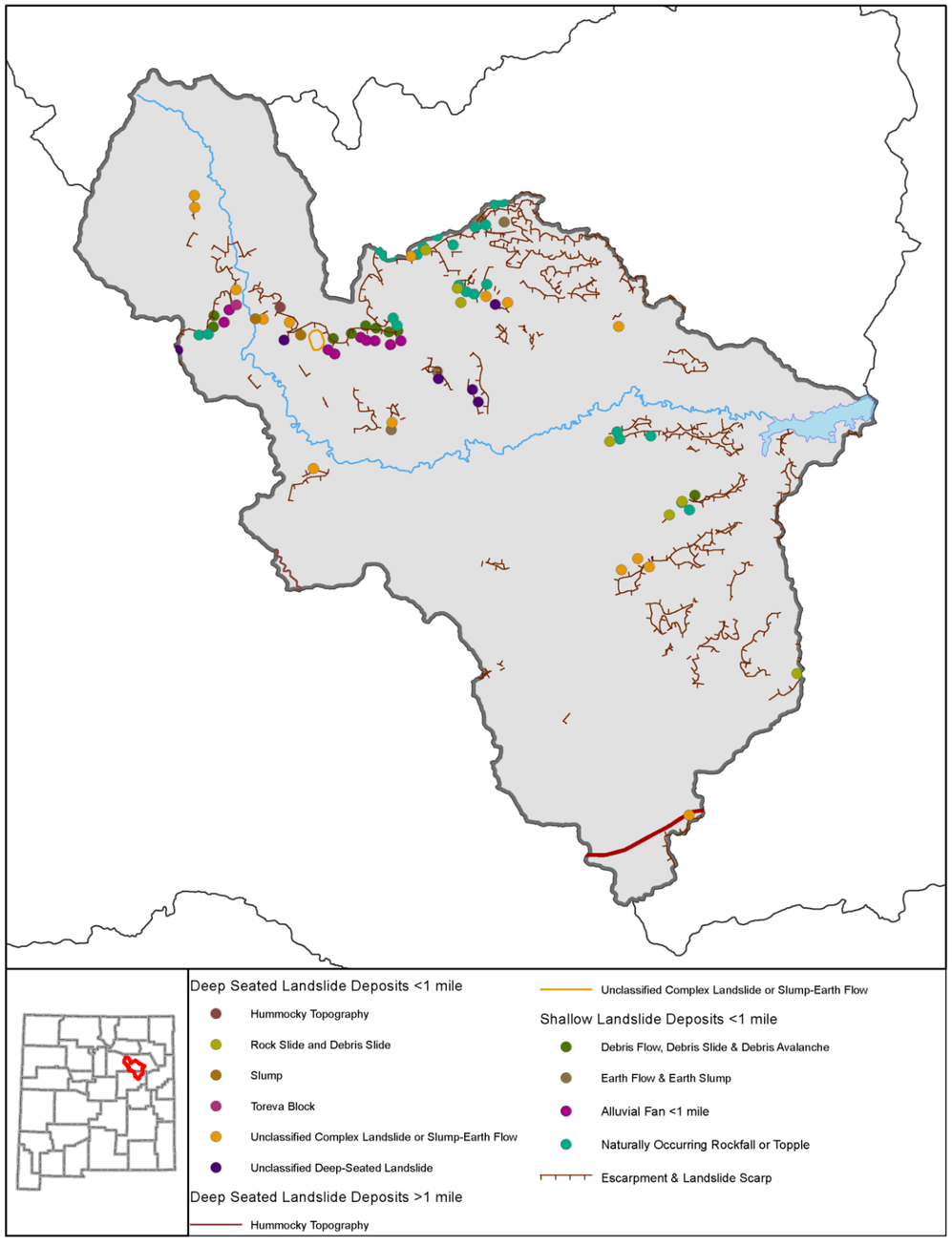
High Risk	0
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Conchas

Risk Rank: Low

Description

The Conchas watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS collected USGS Quality Level 2 Lidar data was collected in 2016.

Counties

Guadalupe, San Miguel

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1016	100%

Watershed 11080005

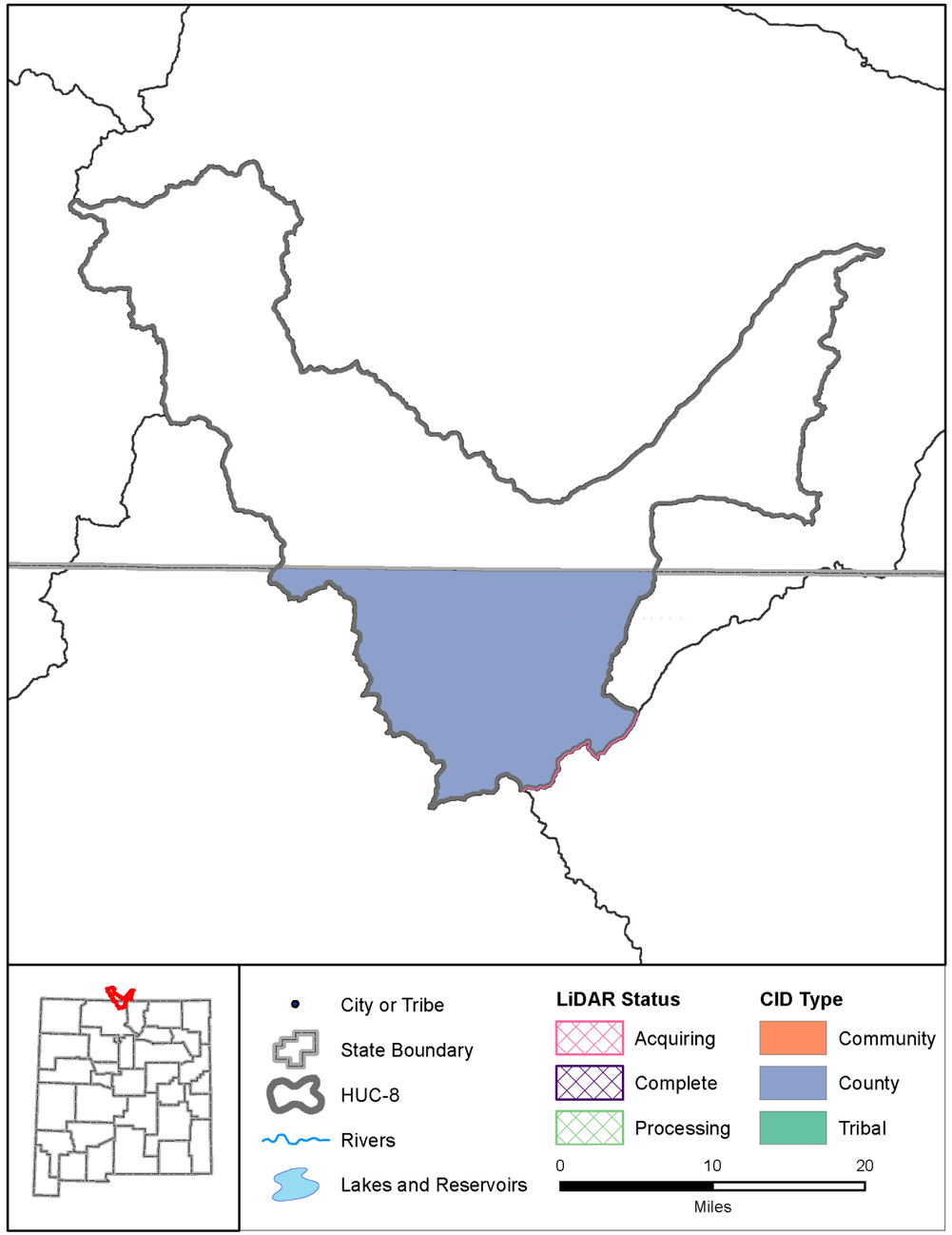
Rockfalls & Topples	24
Escarpments & Landslide Scarps	68

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	4
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	9
Alluvial Fan < 1mile	9
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	7
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	6
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	24
Complex Landslides	
Toreva Block	
<1 mile	1
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	15
>1 mile	21
Total	191



Conejos

Description

The Conejos watershed is home to approximately 1,000 people along the northern border of New Mexico. The watershed has significant topographic relief from the San Juan Mountains. The Conejos River, Rio San Antonio, and Rio de los Pinos, are the major hydrologic features. FIRM data is limited within the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

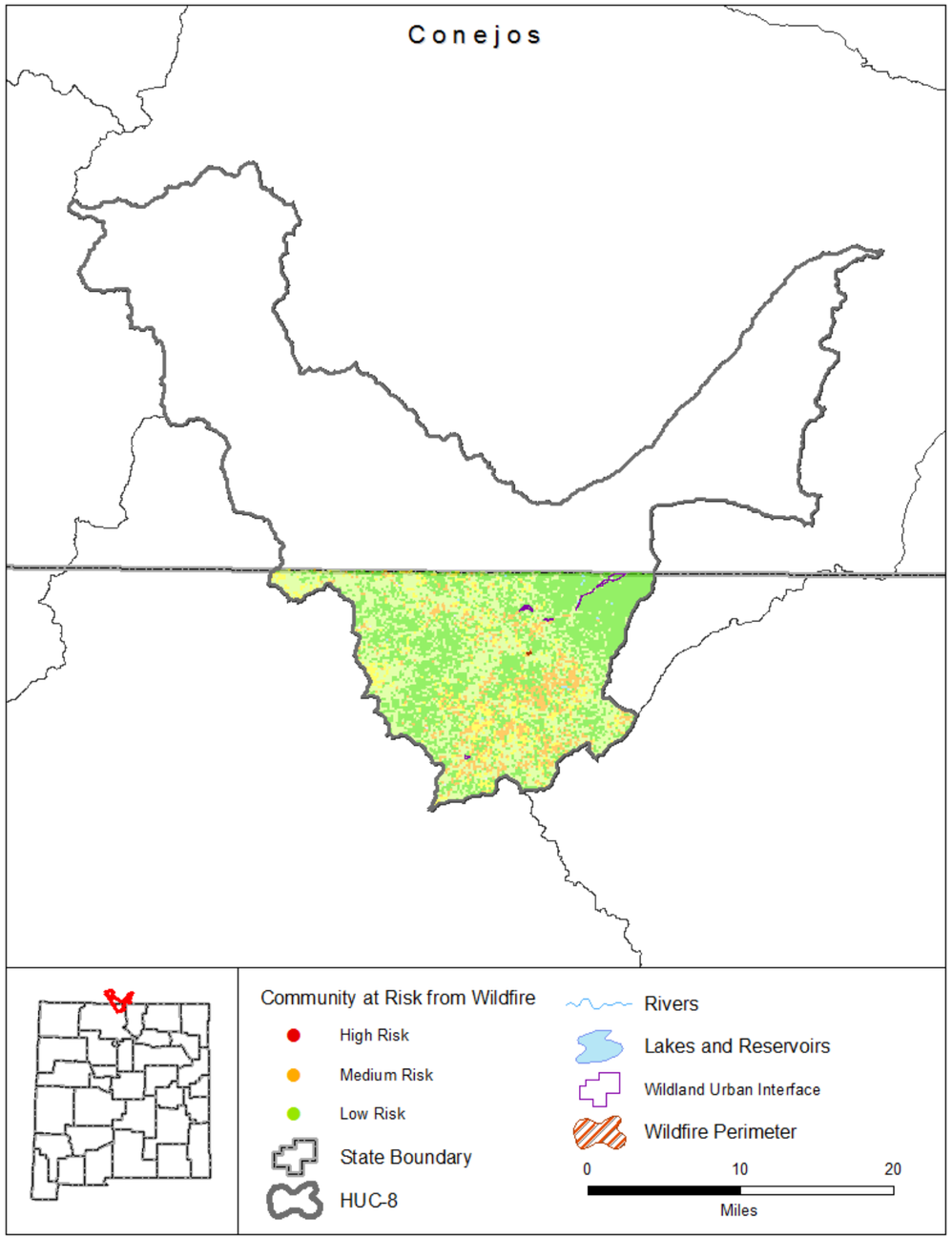
Watershed 13010005

Watershed Characteristics	
Area (sq mi)	767
Population in NM	983
CNMS Streams (mi)	13
Maximum Elevation (feet)	11,110
Minimum Elevation (feet)	7,976
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	30.18 %
Private	5.86 %
State	1.3 %
Tribal	0 %
Federal	92.83 %
States	CO, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Conejos

Risk Rank: Low

Description

The Conejos watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the New Mexico portion of the watershed in FY 2017.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13010005

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	42%
Low	39%
Moderate	8%
High	10%
Very High	0%
Non-Burnable	0%
Water	0%

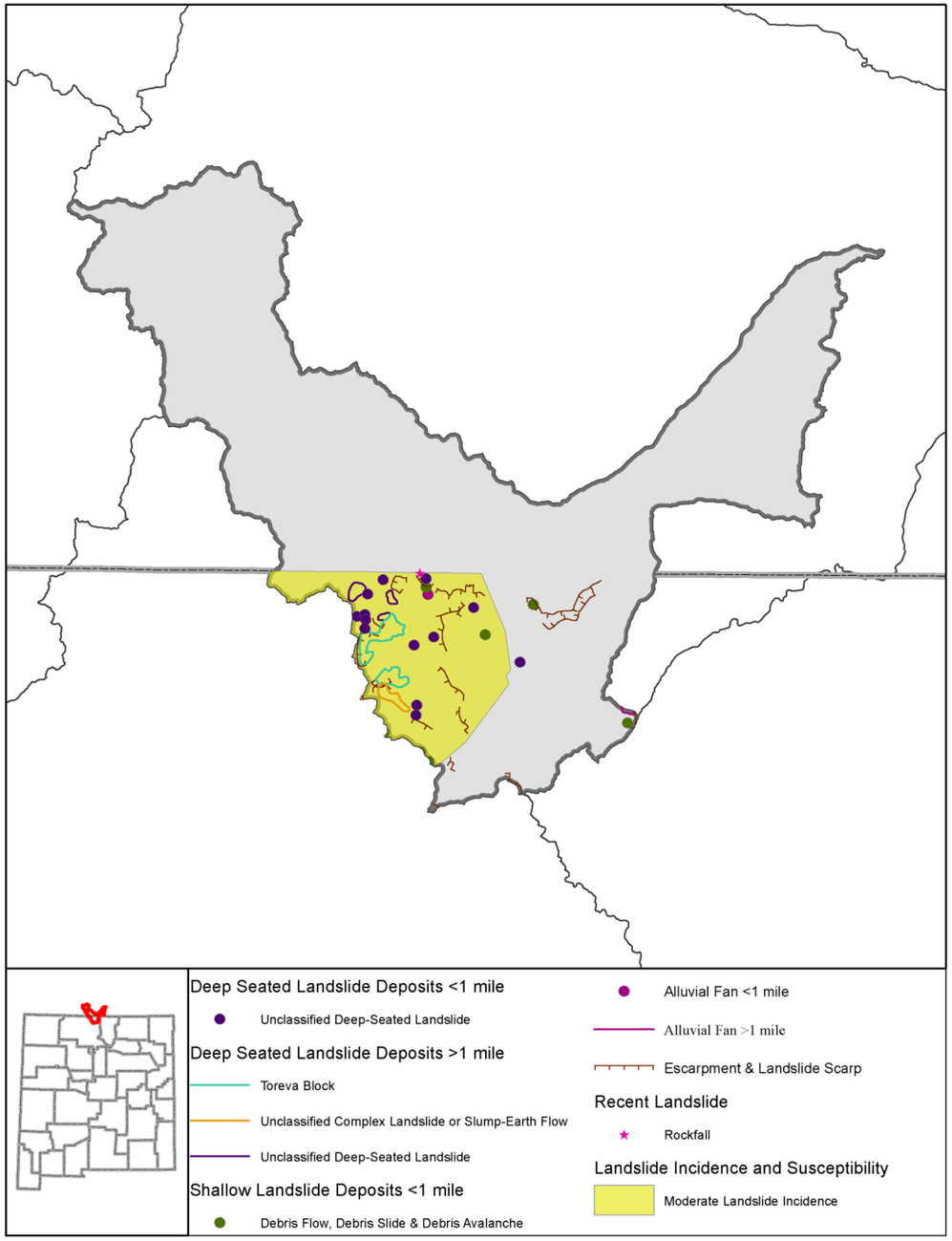
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	23

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.24%
Intermix	0.06%
	Acres
Interface	351
Intermix	85
WUI Addressed Structures	4

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	3
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	2,560



Conejos

Risk Rank: Low

Description

The Conejos watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for the New Mexico portion of the watershed in 2017.

Counties

Rio Arriba, Taos

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	17	14%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	231	30%

Watershed 13010005

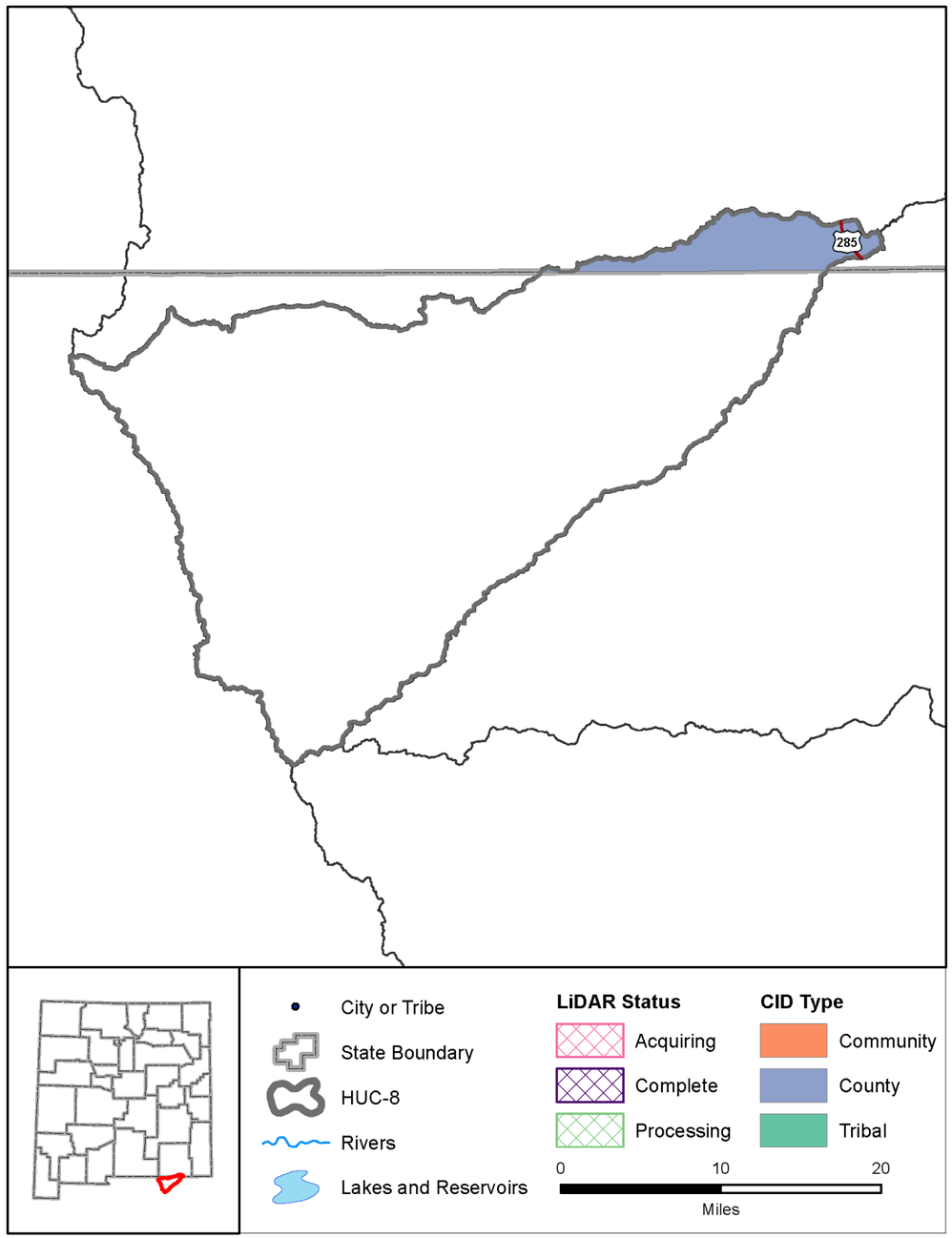
Rockfalls & Topples	0
Escarpments & Landslide Scarps	22

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	4
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	13
>1 mile	4
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	4
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	3
Total	53



Delaware

Description

The Delaware watershed is home to less than 200 people in New Mexico and is located along the southern border of the state. Less than 6% of the watershed is located within New Mexico. The watershed has little topographic relief. The Delaware River is the primary hydrologic feature with smaller intermittent tributaries. FIRM data is available within Eddy County but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Eddy

Communities

No communities within this watershed.

Tribal Nations

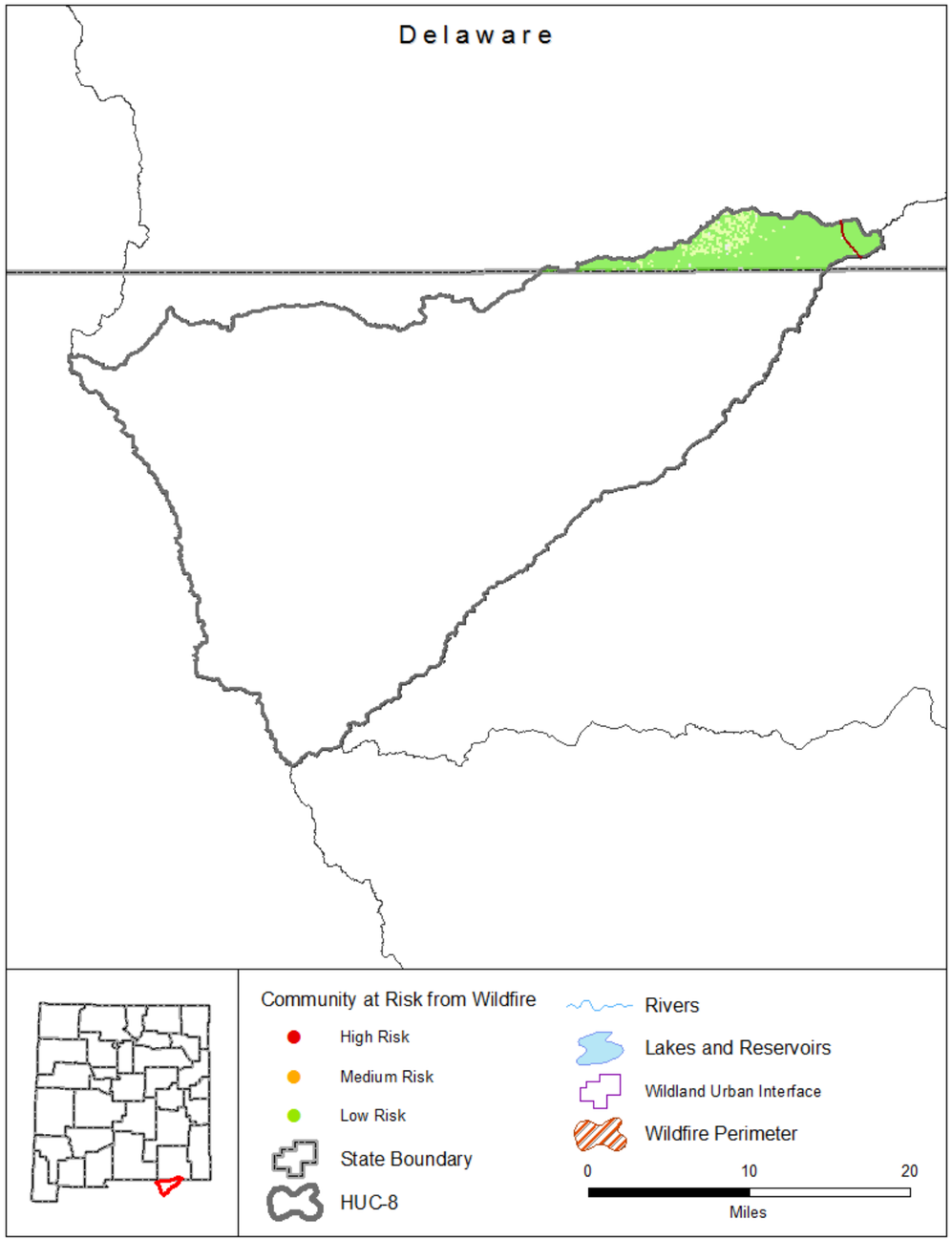
No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067593.pdf

Watershed 13070002

Watershed Characteristics	
Area (sq mi)	787
Population in NM	138
CNMS Streams (mi)	19
Maximum Elevation (feet)	3,736
Minimum Elevation (feet)	2,843
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0
Ownership	
Percent in New Mexico	5.72 %
Private	6.71 %
State	34.87 %
Tribal	0 %
Federal	58.31 %
States	TX, NM
Flood Maps	
DFIRM Available	Yes
FHBM Available	No
NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Delaware

Risk Rank: Low

Description

The Delaware watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Eddy

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13070002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	87%
Low	12%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	1%
Water	0%

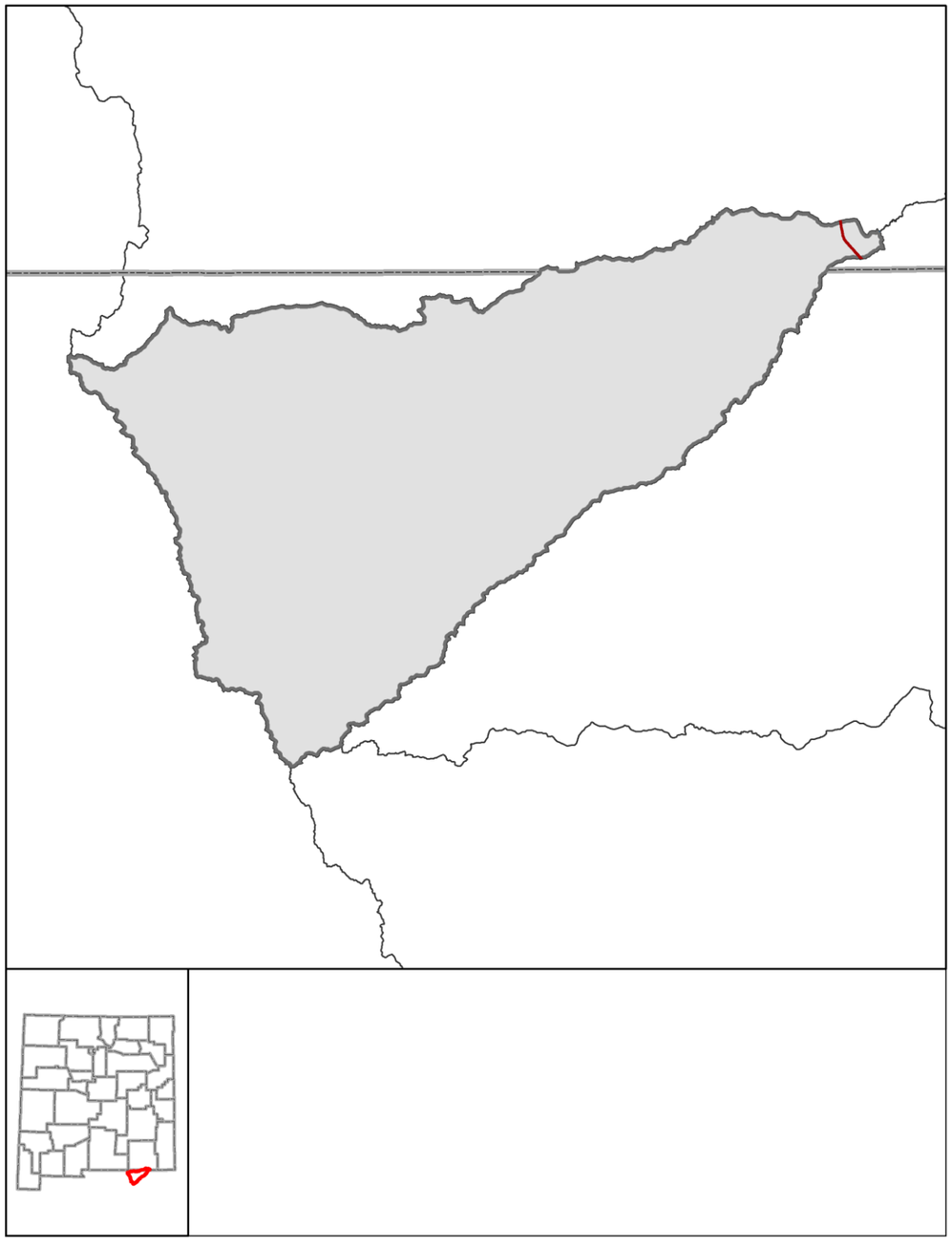
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	5,120



Delaware

Risk Rank: None/Unknown

Description

The Delaware watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Eddy

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	45	6%

Watershed 13070002

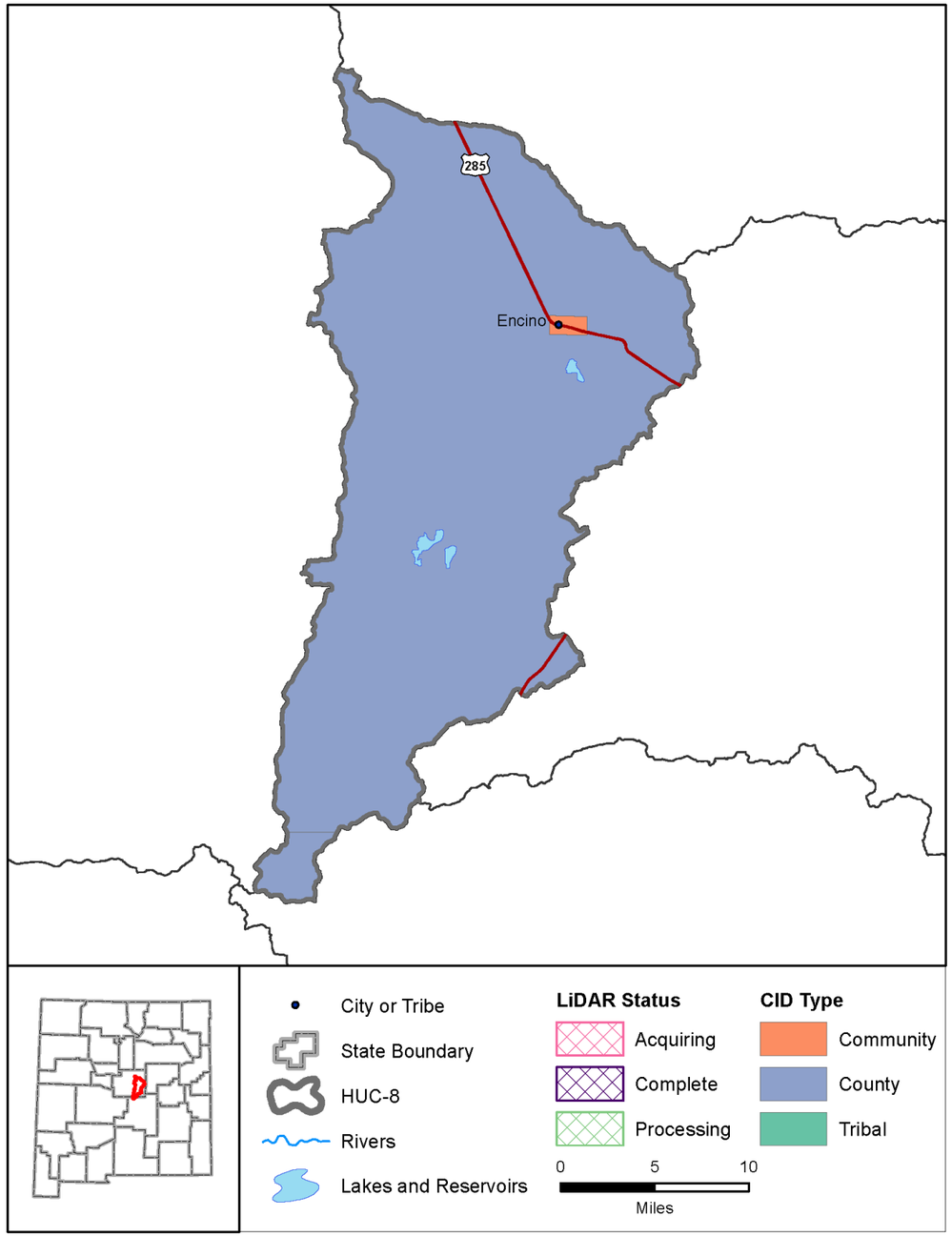
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Eastern Estancia

Description

The Eastern Estancia watershed is home to fewer than 400 people in central New Mexico. There are no named streams within the watershed. The watershed has limited FHBM and no FIRM data. No lidar data is available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Lincoln, Torrance

Communities

Encino

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068018.pdf

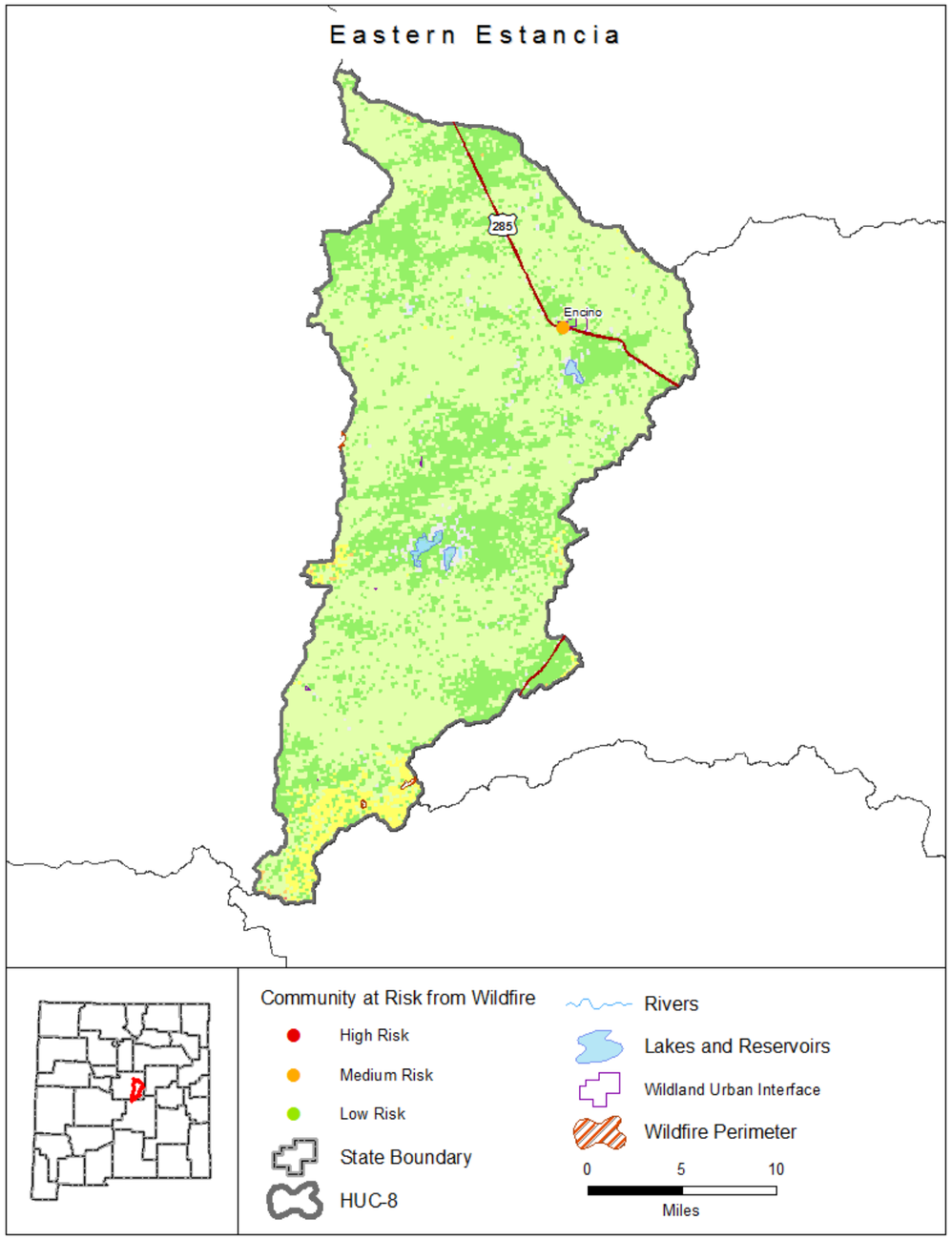
Watershed 13050002

Watershed Characteristics	
Area (sq mi)	514
Population in NM	347
CNMS Streams (mi)	14
Maximum Elevation (feet)	8,159
Minimum Elevation (feet)	5,987
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	83.8 %
State	11.11 %
Tribal	0 %
Federal	5.09 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	3
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Eastern Estancia

Risk Rank: Low

Description

The Eastern Estancia watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Lincoln, Torrance

Communities

Encino

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13050002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	32%
Low	63%
Moderate	3%
High	%
Very High	0%
Non-Burnable	1%
Water	0%

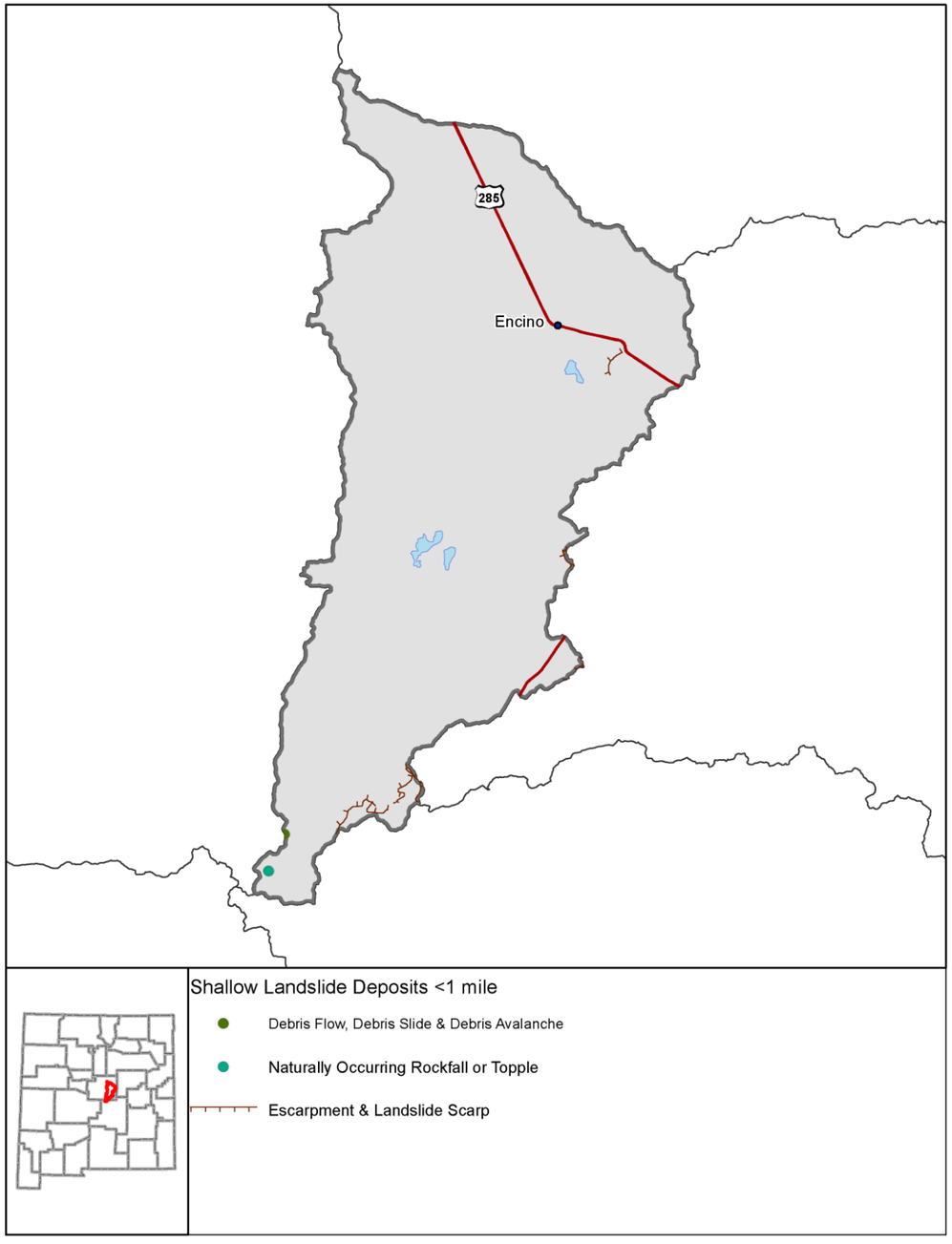
Watershed Characteristics	
Wildfires 2006-2016	3
Acres Burned 2006-2016	269

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.13%
	Acres
Interface	23
Intermix	426
WUI Addressed Structures	20

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Eastern Estancia

Risk Rank: Low

Description

The Eastern Estancia watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Lincoln, Torrance

Communities

Encino

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	514	100%

Watershed 13050002

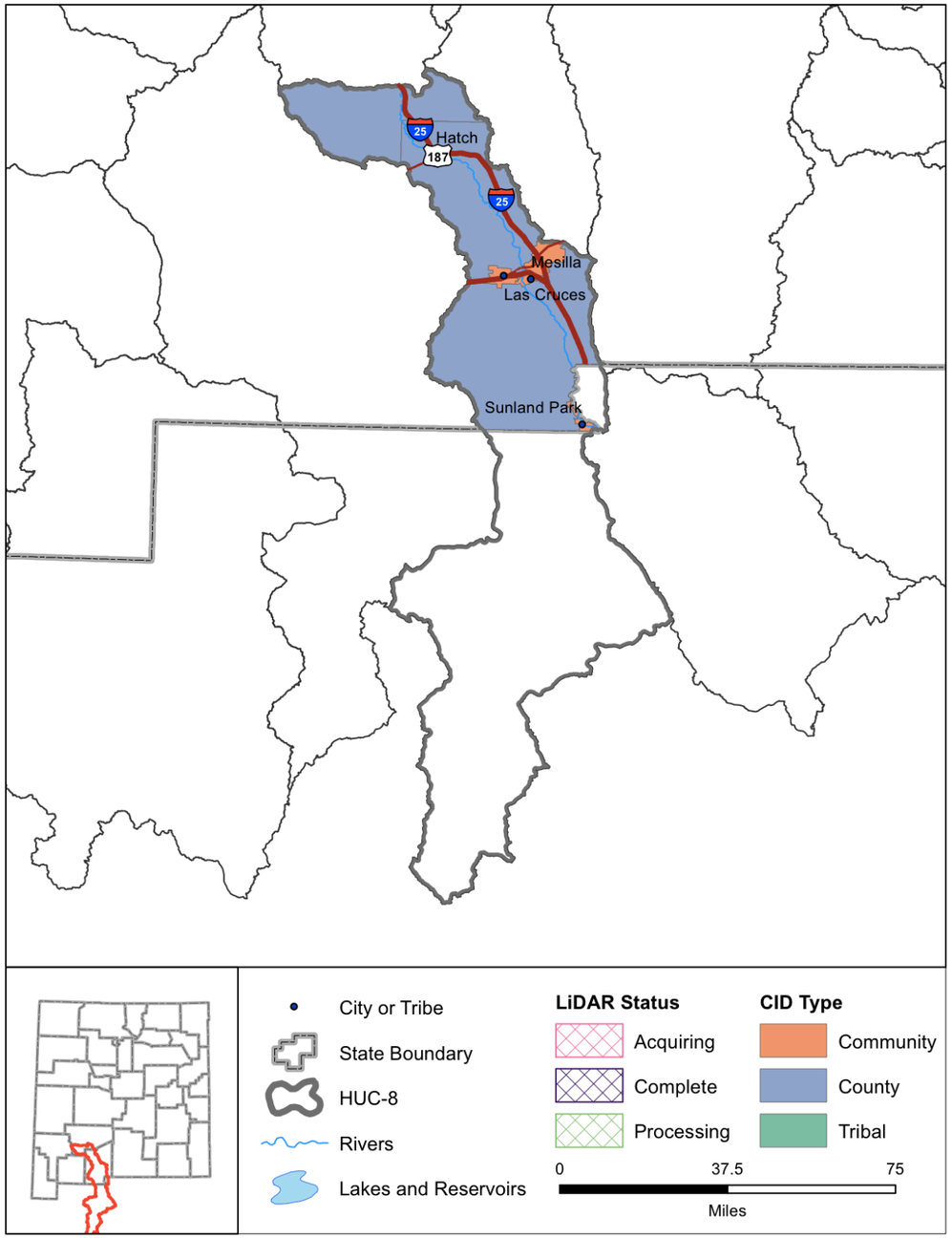
Rockfalls & Topples	1
Escarpments & Landslide Scarps	6

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	1
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	8



El Paso-Las Cruces

Description

The Las Cruces - El Paso watershed is home to approximately 300,000 people along the southern border of New Mexico. The watershed is bound by the San Andres Mountains to the east. The major hydrologic feature is the Rio Grande. FHBM data is available in Sierra County and Dona Ana county has preliminary FIRM data. There is no publically available lidar data for the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Grant, Sierra

Communities

Hatch, Las Cruces, Mesilla, Sunland Park

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067592.pdf

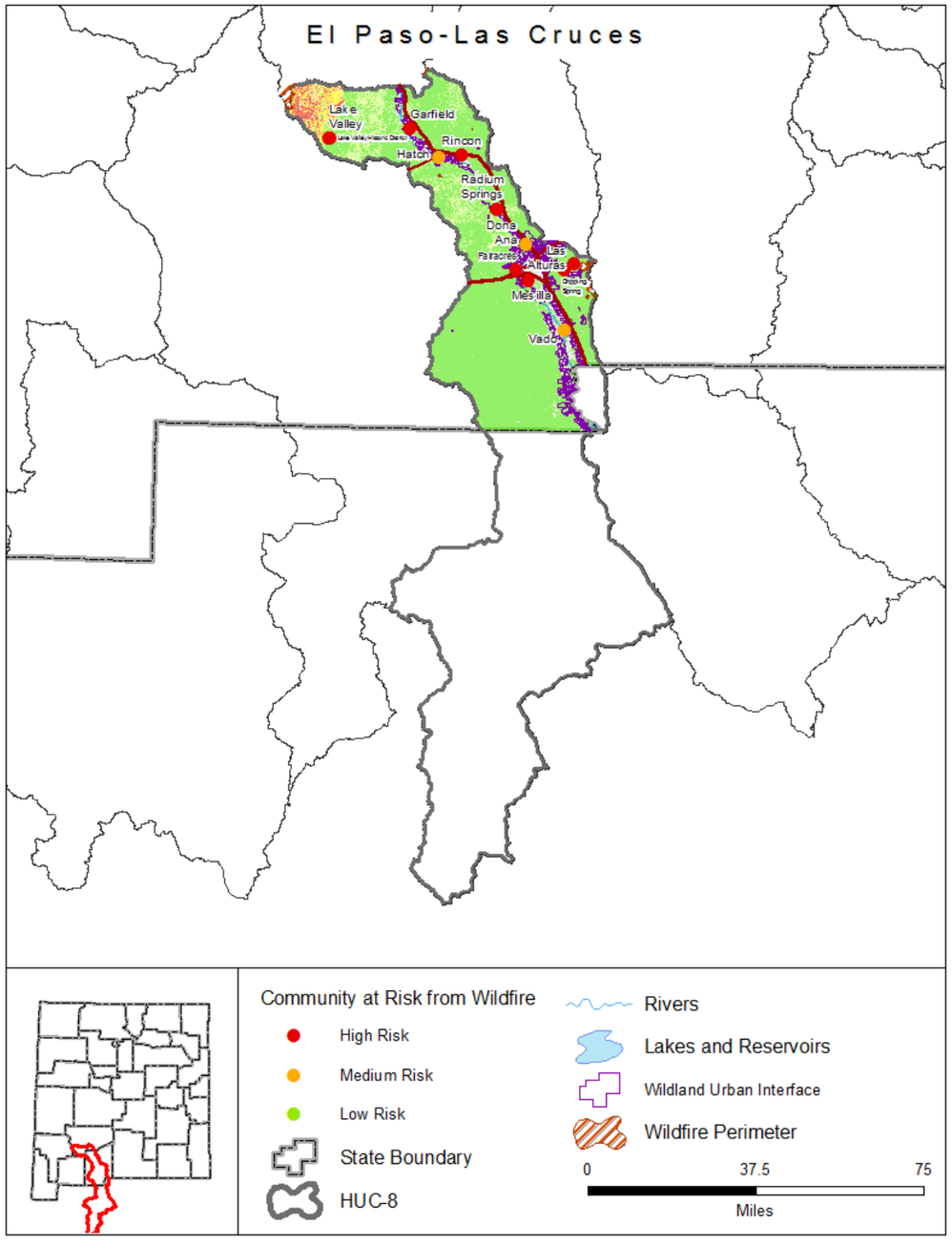
Watershed 13030102

Watershed Characteristics	
Area (sq mi)	5,519
Population in NM	301,936
CNMS Streams (mi)	818
Maximum Elevation (feet)	9,626
Minimum Elevation (feet)	3,727
High Hazard Potential Dams	37
Significant Hazard Potential Dams	9
Low Hazard Potential Dams	9

Ownership	
Percent in New Mexico	42.48 %
Private	25.23 %
State	13.98 %
Tribal	0 %
Federal	60.79 %
States	MX, NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	7
NFIP Communities	7
NFIP Policies	1545
Policies within the SFHA	0
Policies outside of the SFHA	1545
NFIP Premium Total	$ 1,256,706
NFIP Claims	163
Claims within the SFHA	0
Claims outside of the SFHA	163
Paid Claims	$ 4,332,515
Repetitive Loss Structures	3
Repetitive Loss Claims	10
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	3
Repetitive Loss Total	$ 96,311



El Paso-Las Cruces

Risk Rank: Medium

Description

The Las Cruces - El Paso watershed is at medium risk of wildfire. The communities of Dripping Spring, Fairacres, Garfield, Lake Valley, Lake Valley Historic District, Las Alturas, Mesilla, Radium Springs, and Rincon were identified as high risk in the local Community Wildfire Protection Plan. A total of 12,367 acres have burned during 25 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Grant, Sierra

Communities

Hatch, Las Cruces, Mesilla, Sunland Park

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Dripping Spring, Fairacres, Garfield, Lake Valley, Lake Valley Historic District, Las Alturas, Mesilla, Radium Springs, Rincon

Watershed 13030102

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	80%
Low	8%
Moderate	2%
High	2%
Very High	1%
Non-Burnable	7%
Water	0%

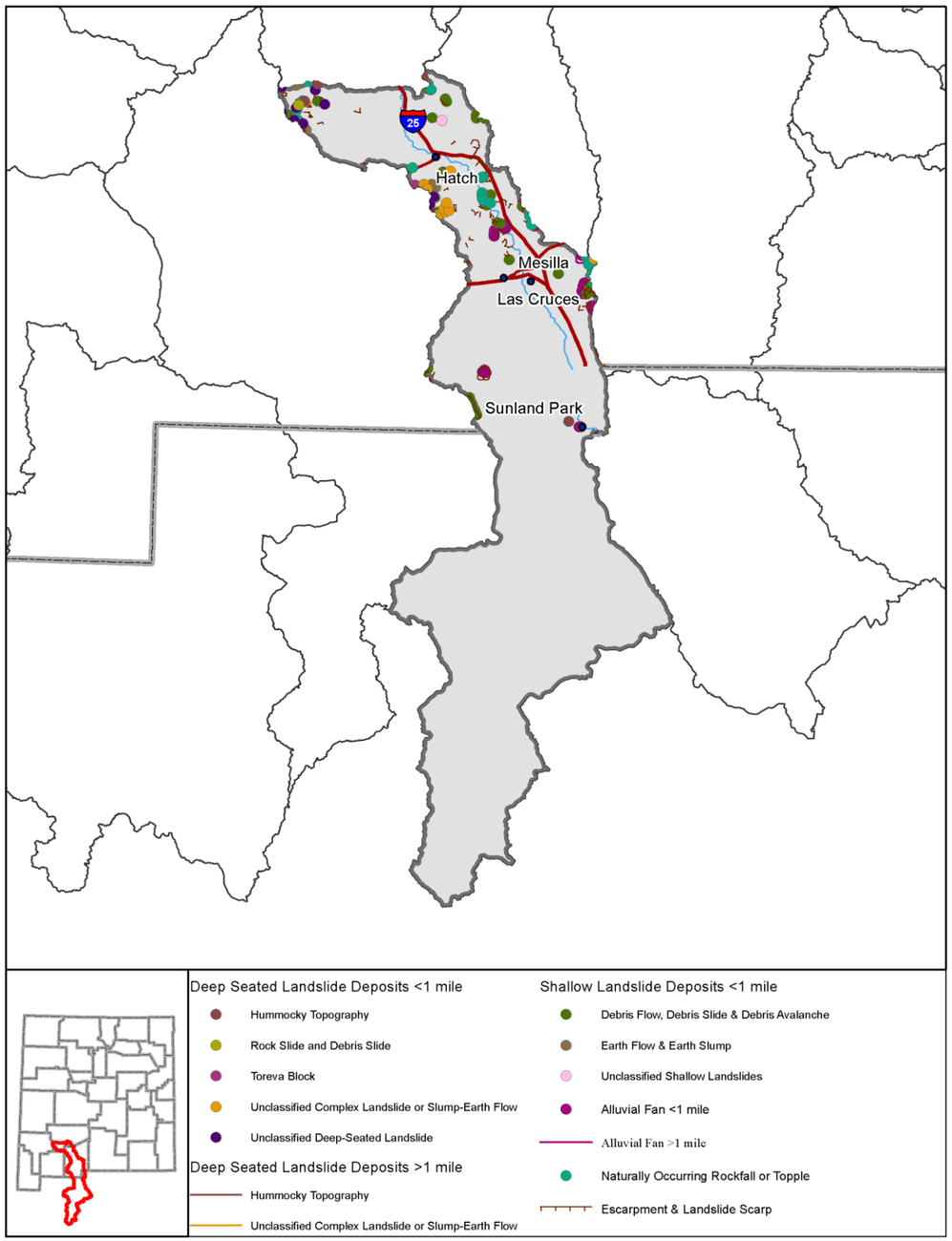
Watershed Characteristics	
Wildfires 2006-2016	25
Acres Burned 2006-2016	12,367

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	3.51%
Intermix	2.98%
	Acres
Interface	52,640
Intermix	44,695
WUI Addressed Structures	701

Communities at Risk from Wildland Fire	
High Risk	9
Medium Risk	3
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	3
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	19,200



El Paso-Las Cruces

Risk Rank: Low

Description

The Las Cruces - El Paso watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Dona Ana, Grant, Sierra

Communities

Hatch, Las Cruces, Mesilla, Sunland Park

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2344	42%

Watershed 13030102

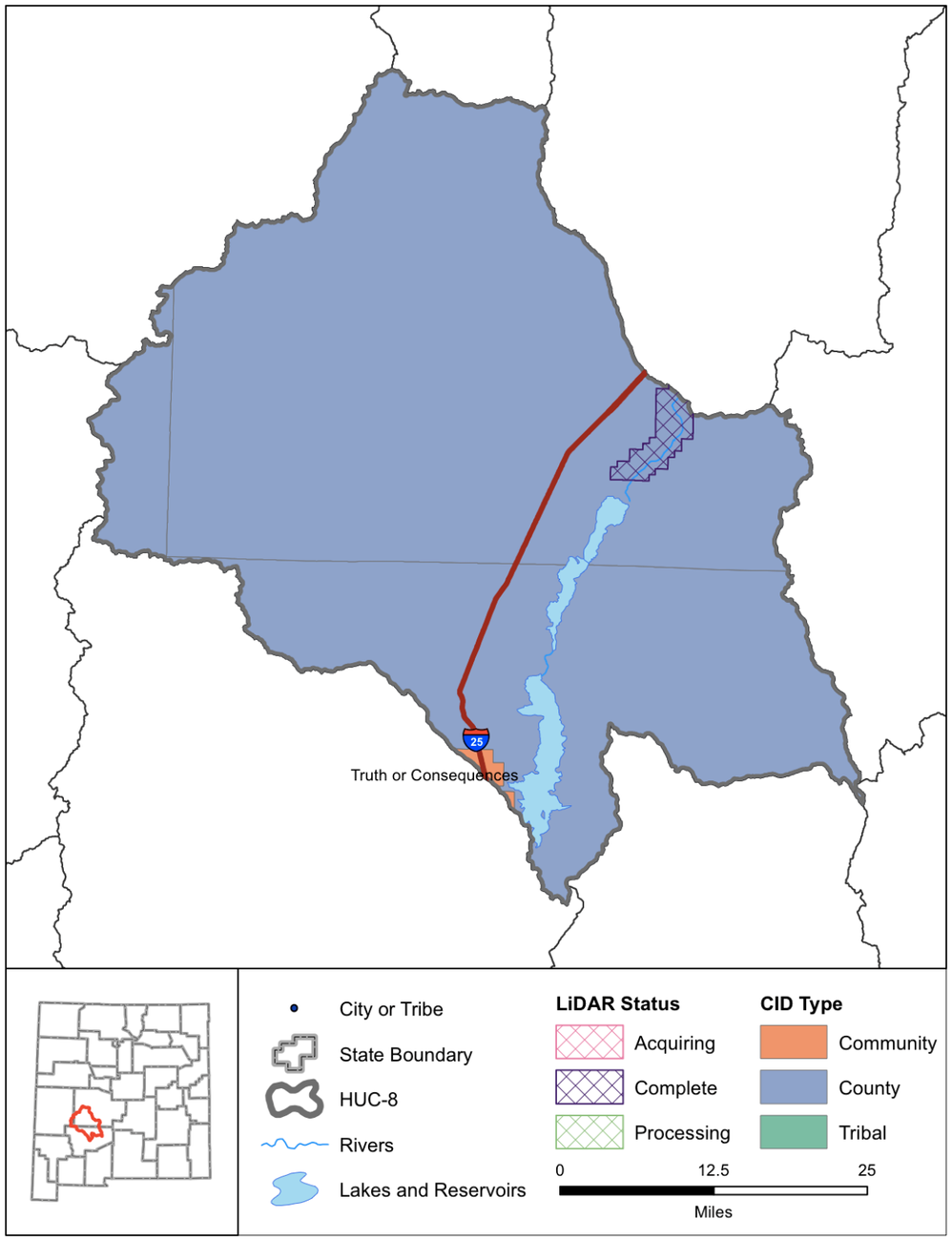
Rockfalls & Topples	21
Escarpments & Landslide Scarps	86

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	5
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	31
Alluvial Fan < 1mile	19
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	1
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	6
>1 mile	0
Hummocky Topography	
<1 mile	4
>1 mile	4
Complex Landslides	
Toreva Block	
<1 mile	2
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	8
>1 mile	1
Total	190



Elephant Butte Reservoir

Description

The Elephante Butte Reservoir watershed is home to approximately 1,500 people in central New Mexico. The watershed contains part of the San Mateo Mountains and several large draws. The major hydrologic feature is the Rio Grande including Elephante Butte Reservoir. Despite containing the largest reservoir in the state, the watershed only has FHBM data available. Limited lidar data is available as part of the USACE Middle Rio Grande project. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Sierra, Socorro

Communities

Elephant Butte, Truth or Consequences

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068348.pdf

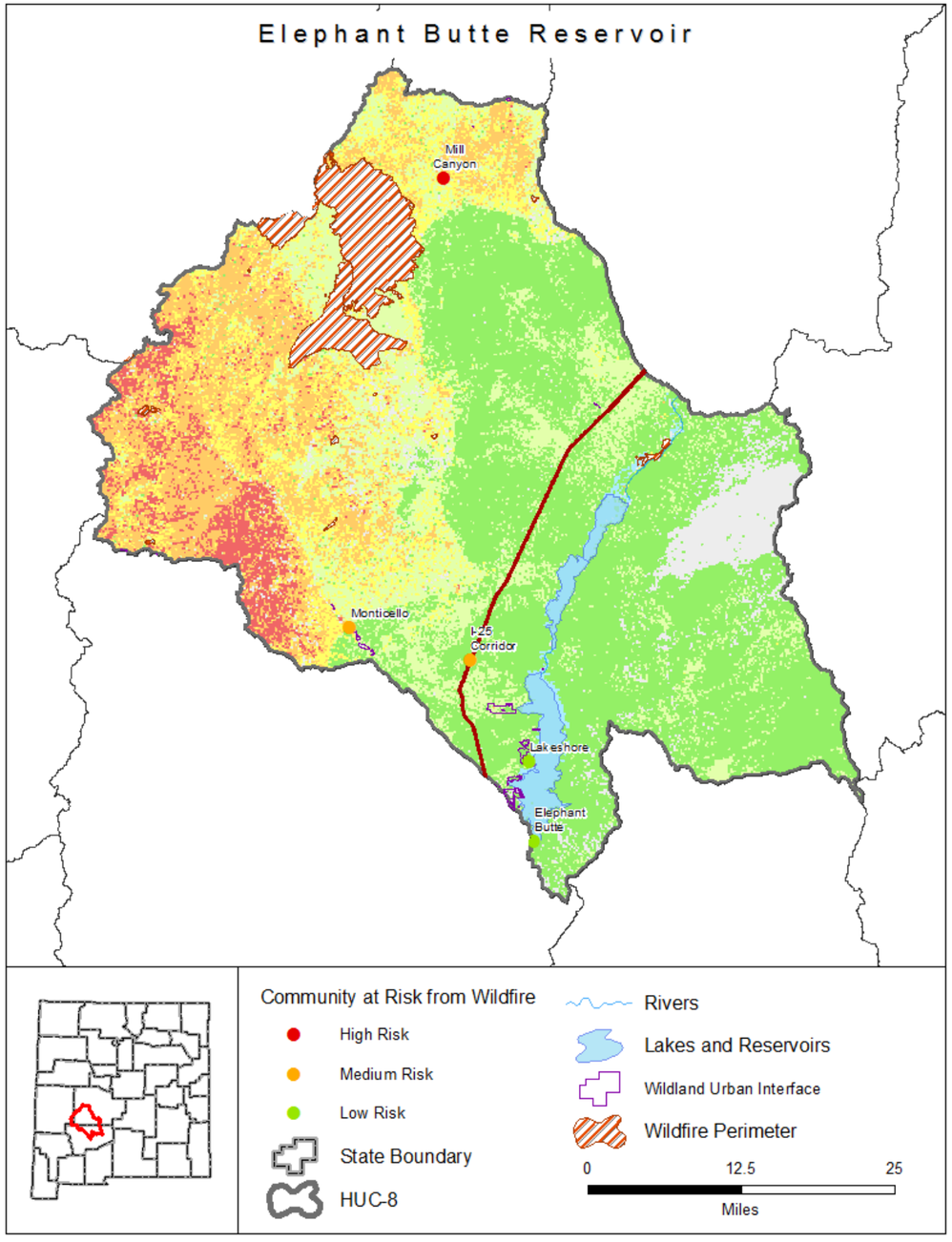
Watershed 13020211

Watershed Characteristics	
Area (sq mi)	2,189
Population in NM	1,462
CNMS Streams (mi)	556
Maximum Elevation (feet)	10,783
Minimum Elevation (feet)	4,350
High Hazard Potential Dams	1
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	39.63 %
State	8.37 %
Tribal	0 %
Federal	52 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	5
NFIP Communities	5
NFIP Policies	12
Policies within the SFHA	1
Policies outside of the SFHA	11
NFIP Premium Total	$ 6,087
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Elephant Butte Reservoir

Risk Rank: Medium

Description

The Elephante Butte Reservoir watershed is at medium risk of wildfire and only the community of Mill canyon has been identified as high risk in the local Community Wildfire Protection Plan. A total of 67,014 acres have burned during 30 wildfire events over the last ten years.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Sierra, Socorro

Communities

Elephant Butte, Truth or Consequences

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Mill Canyon

Watershed 13020211

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	40%
Low	21%
Moderate	11%
High	15%
Very High	5%
Non-Burnable	6%
Water	2%

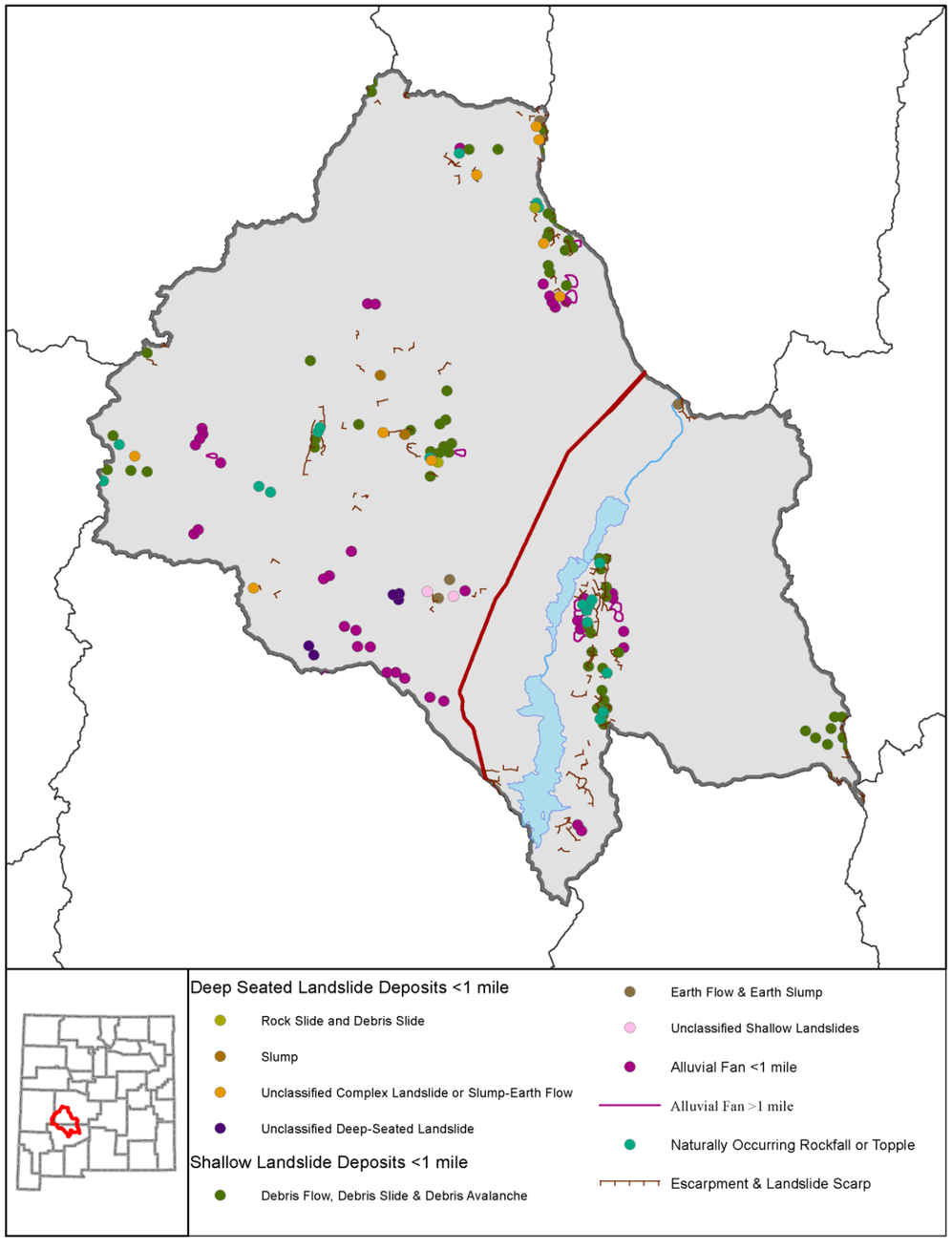
Watershed Characteristics	
Wildfires 2006-2016	30
Acres Burned 2006-2016	67,014

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.05%
Intermix	0.18%
	Acres
Interface	698
Intermix	2,580
WUI Addressed Structures	53

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	2
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	14
Very High Priority	2

Vegetation Treatments 2006-2016	
Acres Treated	64,640



Elephant Butte Reservoir

Risk Rank: Low

Description

The Elephante Butte Reservoir watershed is at low risk of landslide processes.

Lidar Data Availability

The USACE collected Lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Sierra, Socorro

Communities

Elephant Butte, Truth or Consequences

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2189	100%

Watershed 13020211

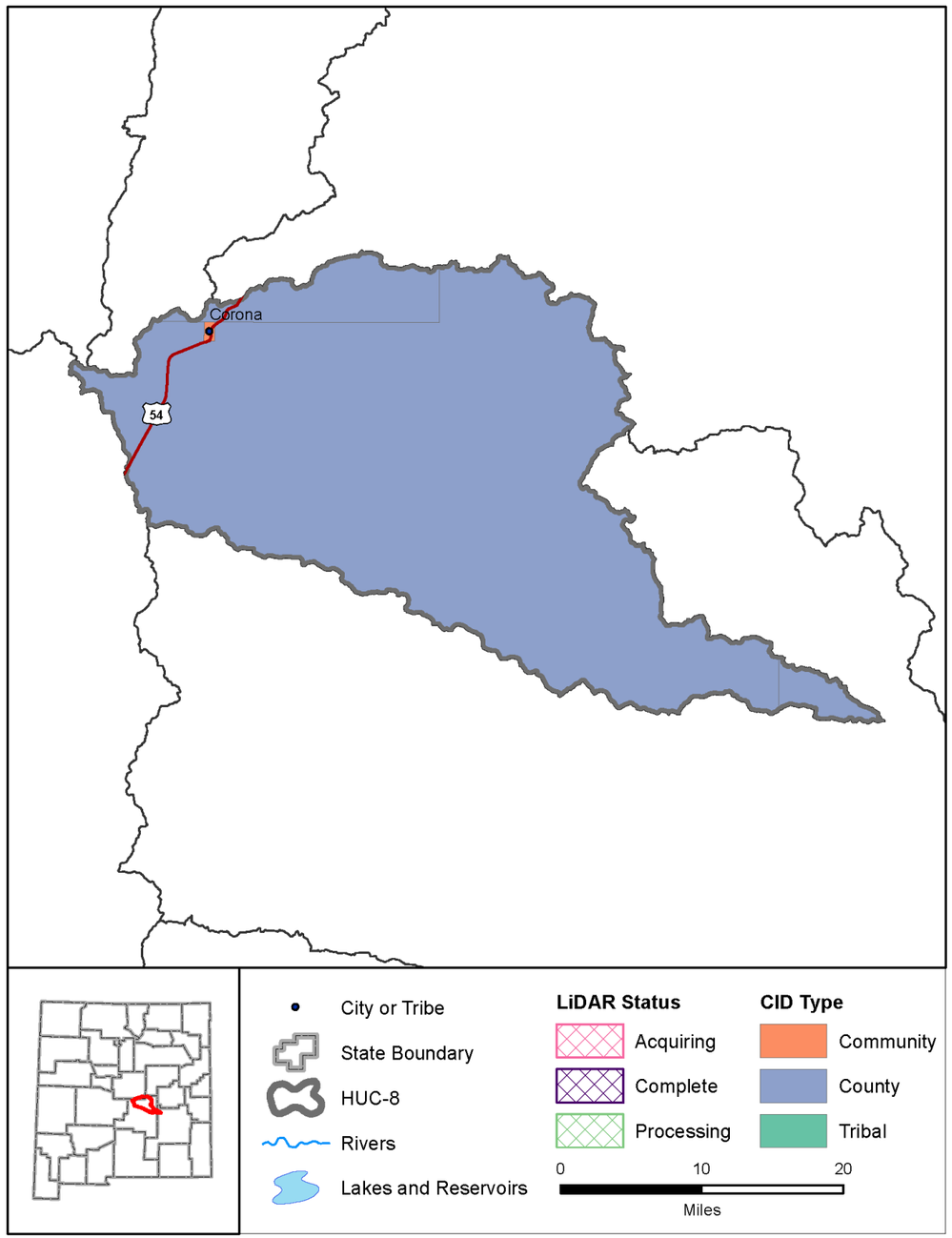
Rockfalls & Topples	19
Escarpments & Landslide Scarps	83

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	5
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	57
Alluvial Fan < 1mile	37
Alluvial Fan >1 mile	14
Unclassified Shallow Landslides	2

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	2
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	5
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	9
>1 mile	0
Total	235



Gallo Arroyo

Description

The Gallo Arroyo watershed is home to fewer than 400 people in the south-central portion of New Mexico. The watershed has significant topograph relief with numerous canyons. The Gallo Arroyo is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive in the central and southeast corner of the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lincoln, Torrance

Communities

Corona

Tribal Nations

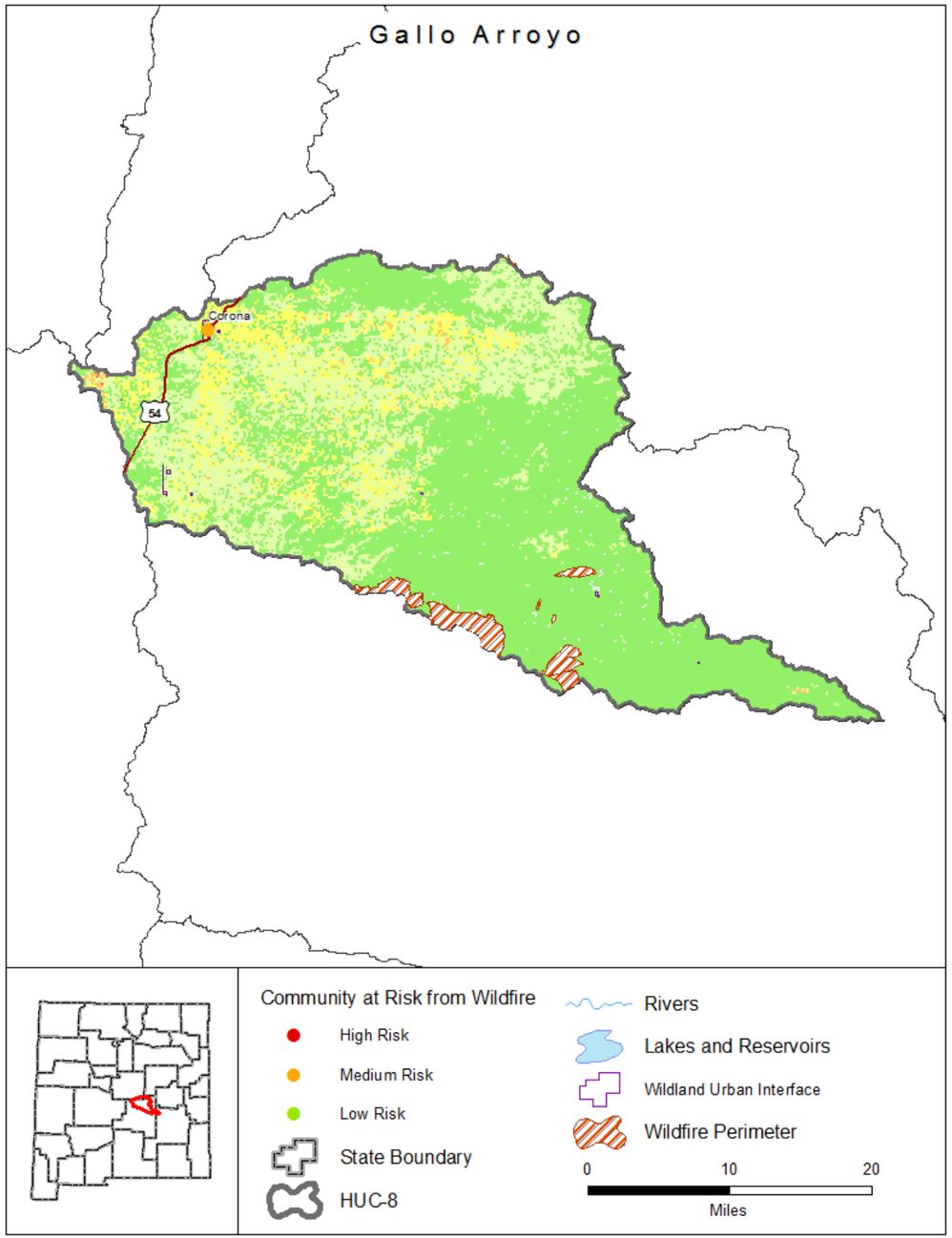
No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068020.pdf

Watershed 13060006

Watershed Characteristics	
Area (sq mi)	871
Population in NM	381
CNMS Streams (mi)	126
Maximum Elevation (feet)	8,469
Minimum Elevation (feet)	4,172
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0
Ownership	
Percent in New Mexico	100 %
Private	58.47 %
State	15.37 %
Tribal	0 %
Federal	26.16 %
States	NM
Flood Maps	
DFIRM Available	Yes
FHBM Available	No
NFIP Statistics	
CID Communities	4
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Gallo Arroyo

Risk Rank: Low

Description

The Gallo Arroyo watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 12,163 acres have burned during 11 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lincoln, Torrance

Communities

Corona

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13060006

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	63%
Low	27%
Moderate	9%
High	1%
Very High	0%
Non-Burnable	0%
Water	0%

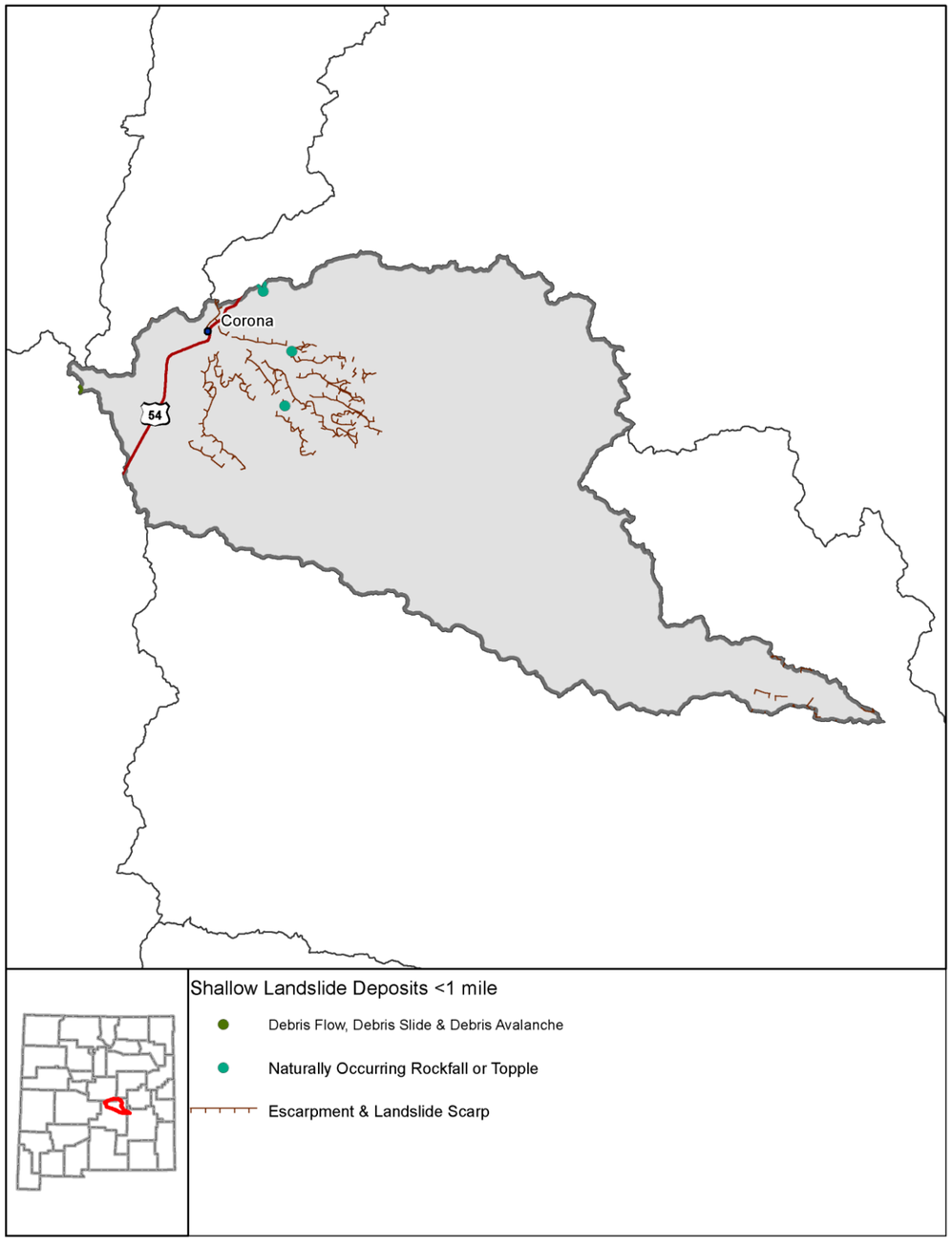
Watershed Characteristics	
Wildfires 2006-2016	11
Acres Burned 2006-2016	12,163

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.11%
	Acres
Interface	34
Intermix	636
WUI Addressed Structures	28

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Gallo Arroyo

Risk Rank: Low

Description

The Gallo Arroyo watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Lincoln, Torrance

Communities

Corona

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	871	100%

Watershed 13060006

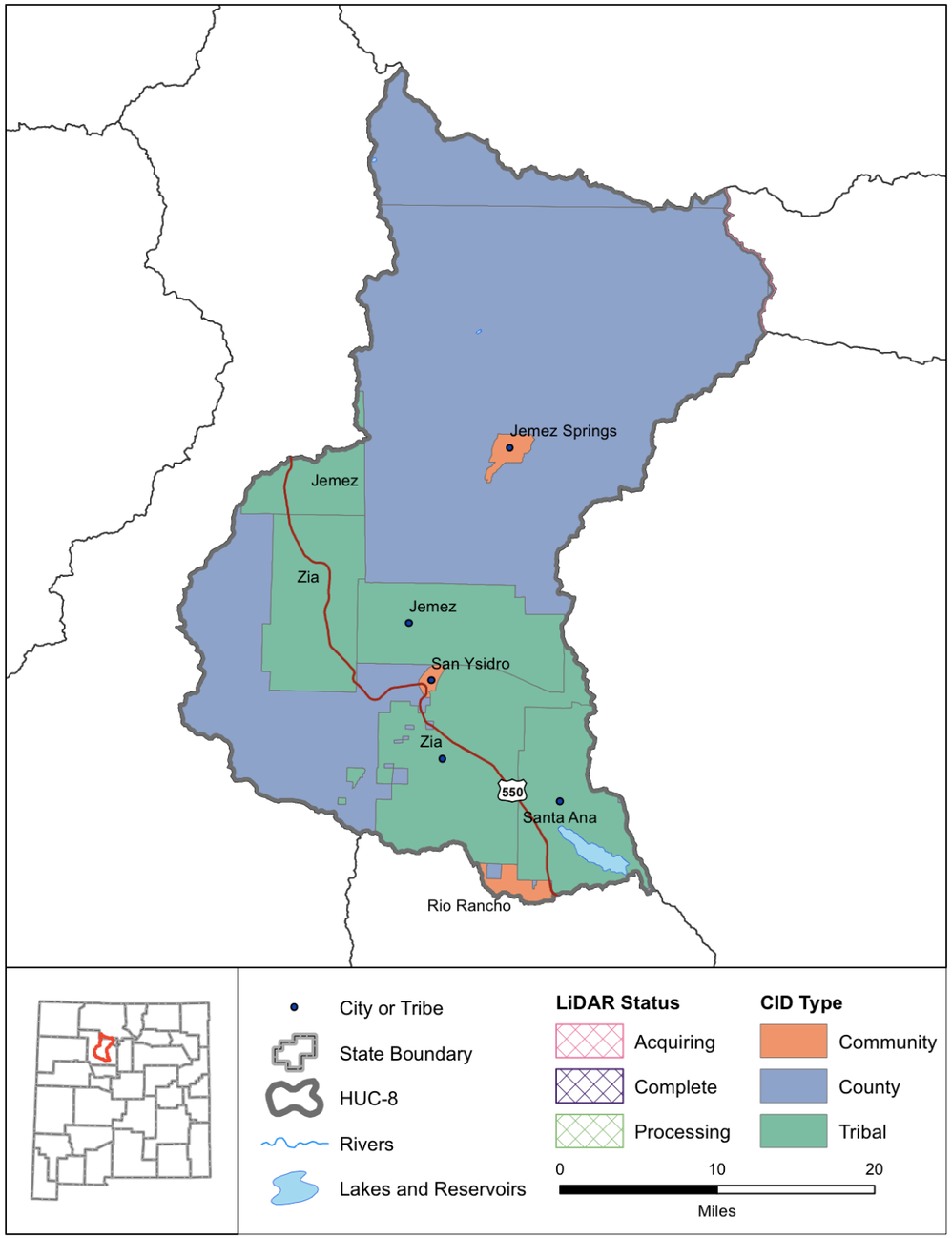
Rockfalls & Topples	3
Escarpments & Landslide Scarps	29

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	32



Jemez

Description

The Jemez watershed is home to approximately 8,000 people in central New Mexico. The watershed has significant topographic relief from the Jemez Mountains and Valle Caldera. The Jemez River is the major hydrologic feature. FIRM data is widely available throughout the watershed except for tribal land. No lidar data is available for the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Los Alamos, Rio Arriba, Sandoval

Communities

Jemez Springs, Rio Rancho, San Ysidro

Tribal Nations

Jemez Pueblo, Santa Ana Pueblo, Zia Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066022.pdf

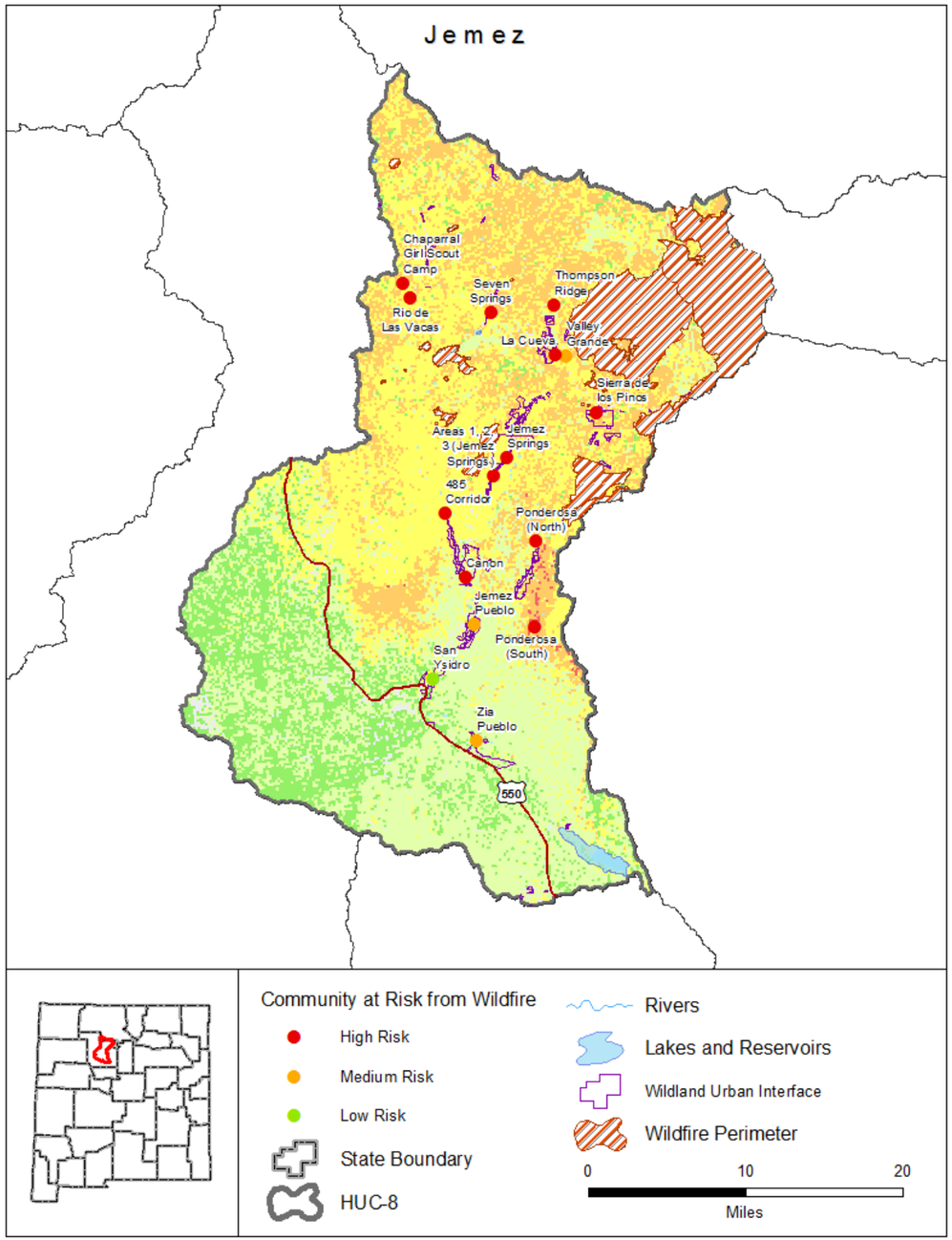
Watershed 13020202

Watershed Characteristics	
Area (sq mi)	1,039
Population in NM	7,723
CNMS Streams (mi)	155
Maximum Elevation (feet)	11,319
Minimum Elevation (feet)	5,077
High Hazard Potential Dams	3
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	3

Ownership	
Percent in New Mexico	100 %
Private	4.83 %
State	1.12 %
Tribal	35.11 %
Federal	58.94 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	9
NFIP Communities	5
NFIP Policies	35
Policies within the SFHA	14
Policies outside of the SFHA	21
NFIP Premium Total	$ 27,895
NFIP Claims	2
Claims within the SFHA	1
Claims outside of the SFHA	1
Paid Claims	$ 7,371
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Jemez

Risk Rank: High

Description

The Jemez watershed is at high risk of wildfire. The communities of 485 Corridor, "Areas 1, 2, 3 (Jemez Springs)", Canon, Chaparral Girl Scout Camp, Jemez Springs, La Cueva, Ponderosa (North), Ponderosa (South), Rio de Las Vacas, Seven Springs, Sierra de los Pinos, and Thompson Ridge were identified as high risk in the local Community Wildfire Protection Plan. A total of 65,649 acres have burned during 25 wildfire events over the last ten years. A collection of federal agencies anticipates collecting lidar in FY 2017. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017.

Counties

Los Alamos, Rio Arriba, Sandoval

Communities

Jemez Springs, Rio Rancho, San Ysidro

Tribal Nations

Jemez Pueblo, Santa Ana Pueblo, Zia Pueblo

Debris Flow Modeling

Tillery, A.C., Darr, M.J., Cannon, S.H., and Michael, J.A., 2011, Postwildfire preliminary debris flow hazard assessment for the area burned by the 2011 Las Conchas Fire in north-central New Mexico: U.S. Geological Survey Open-File Report 2011–1308, 11 p. .;Tillery, A.C., and Haas, J.R., 2016, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Jemez Mountains, north-central New Mexico: U.S. Geological Survey Scientific-Investigations Report 2016-5101, 27 p., http://dx.doi.org/10.3133/sir20165101.

Communities at High Risk of Wildland Fire

485 Corridor, "Areas 1, 2, 3 (Jemez Springs)", Canon, Chaparral Girl Scout Camp, Jemez Springs, La Cueva, Ponderosa (North), Ponderosa (South), Rio de Las Vacas, Seven Springs, Sierra de los Pinos, Thompson Ridge

Watershed 13020202

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	13%
Low	29%
Moderate	34%
High	21%
Very High	1%
Non-Burnable	2%
Water	0%

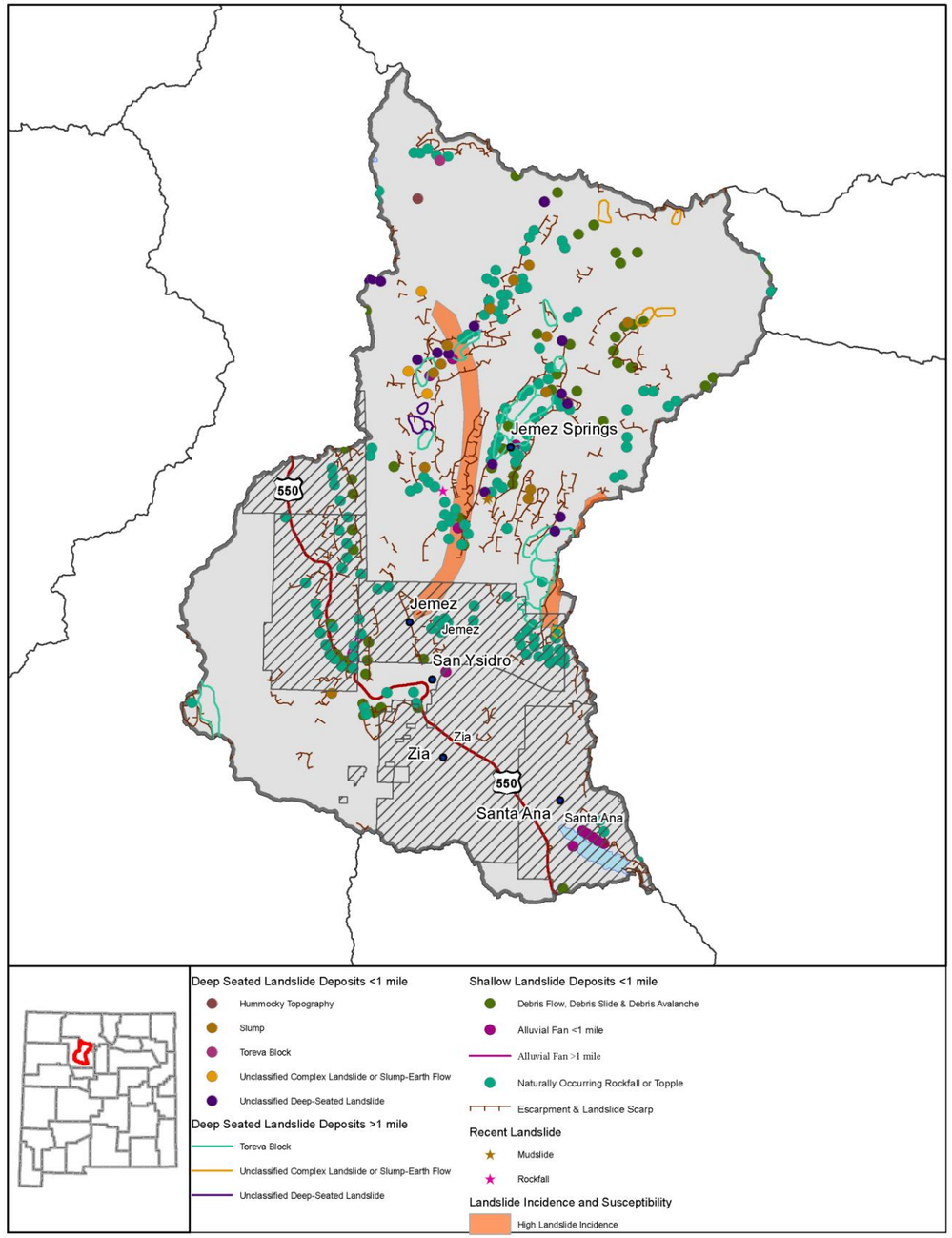
Watershed Characteristics	
Wildfires 2006-2016	25
Acres Burned 2006-2016	65,649

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.12%
Intermix	1.54%
	Acres
Interface	791
Intermix	10,247
WUI Addressed Structures	190

Communities at Risk from Wildland Fire	
High Risk	12
Medium Risk	3
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	6
Very High Priority	8

Vegetation Treatments 2006-2016	
Acres Treated	56,960



Jemez

Risk Rank: Medium

Description

The Jemez watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies anticipates collected USGS QL2 Lidar in 2017.

Counties

Los Alamos, Rio Arriba, Sandoval

Communities

Jemez Springs, Rio Rancho, San Ysidro

Tribal Nations

Jemez Pueblo, Santa Ana Pueblo, Zia Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	29	3%
High susceptibility to landsliding and low incidence	0	0%
Total	1039	100%

Watershed 13020202

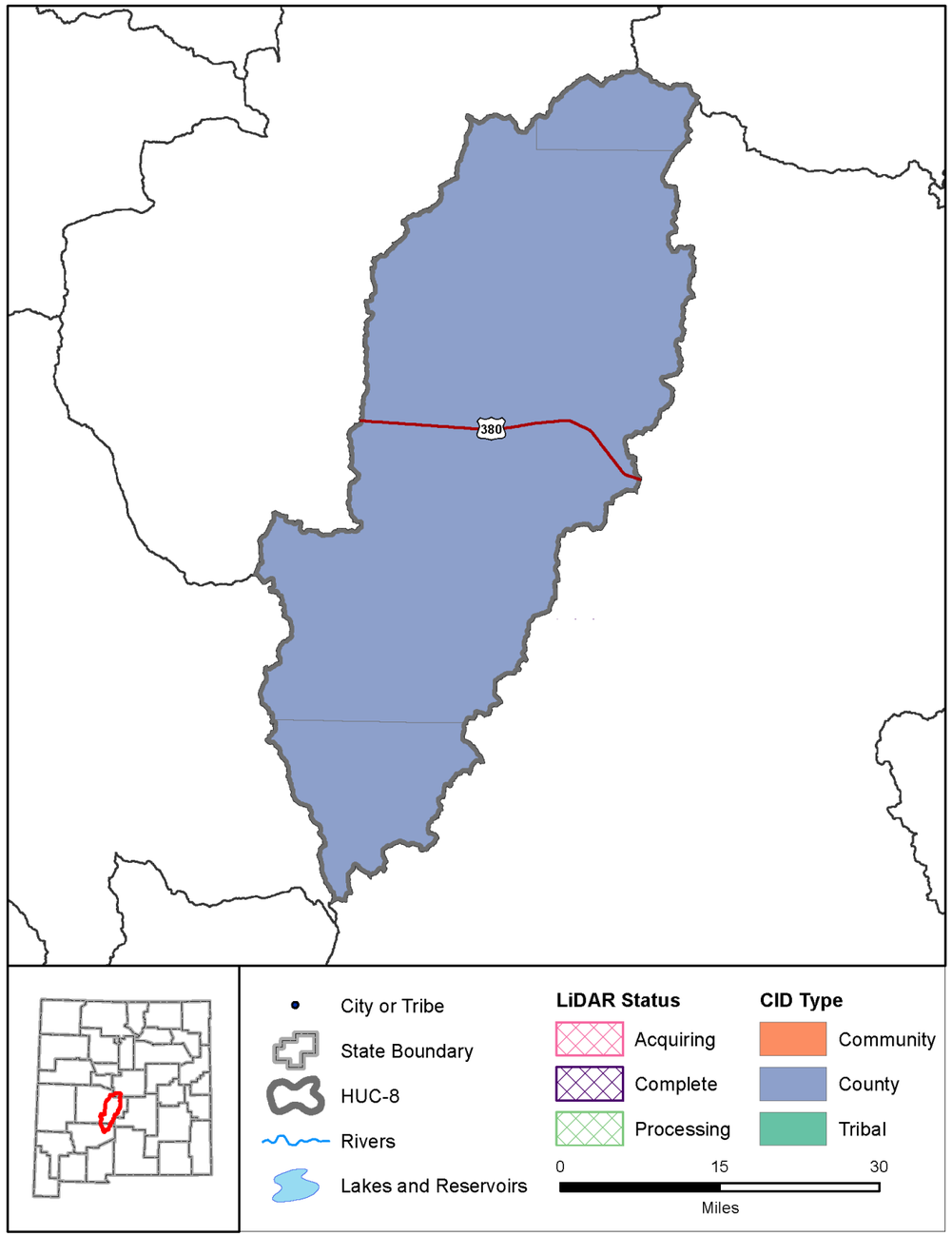
Rockfalls & Topples	147
Escarpments & Landslide Scarps	144

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	51
Alluvial Fan < 1mile	11
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	13
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	14
>1 mile	5
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	1
>1 mile	18
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	3
>1 mile	5
Total	417



Jornada del Muerto

Description

The Jornada del Muerto watershed is home to approximately 1,300 people in central New Mexico. The watershed contains part of White Sands and includes the Jornada Del Muerto Trail. The major hydrologic features are arroyos. No FIRM data is available and FHBM data is limited to a very small section of Torrance County. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Lincoln, Sierra, Socorro, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066669.pdf

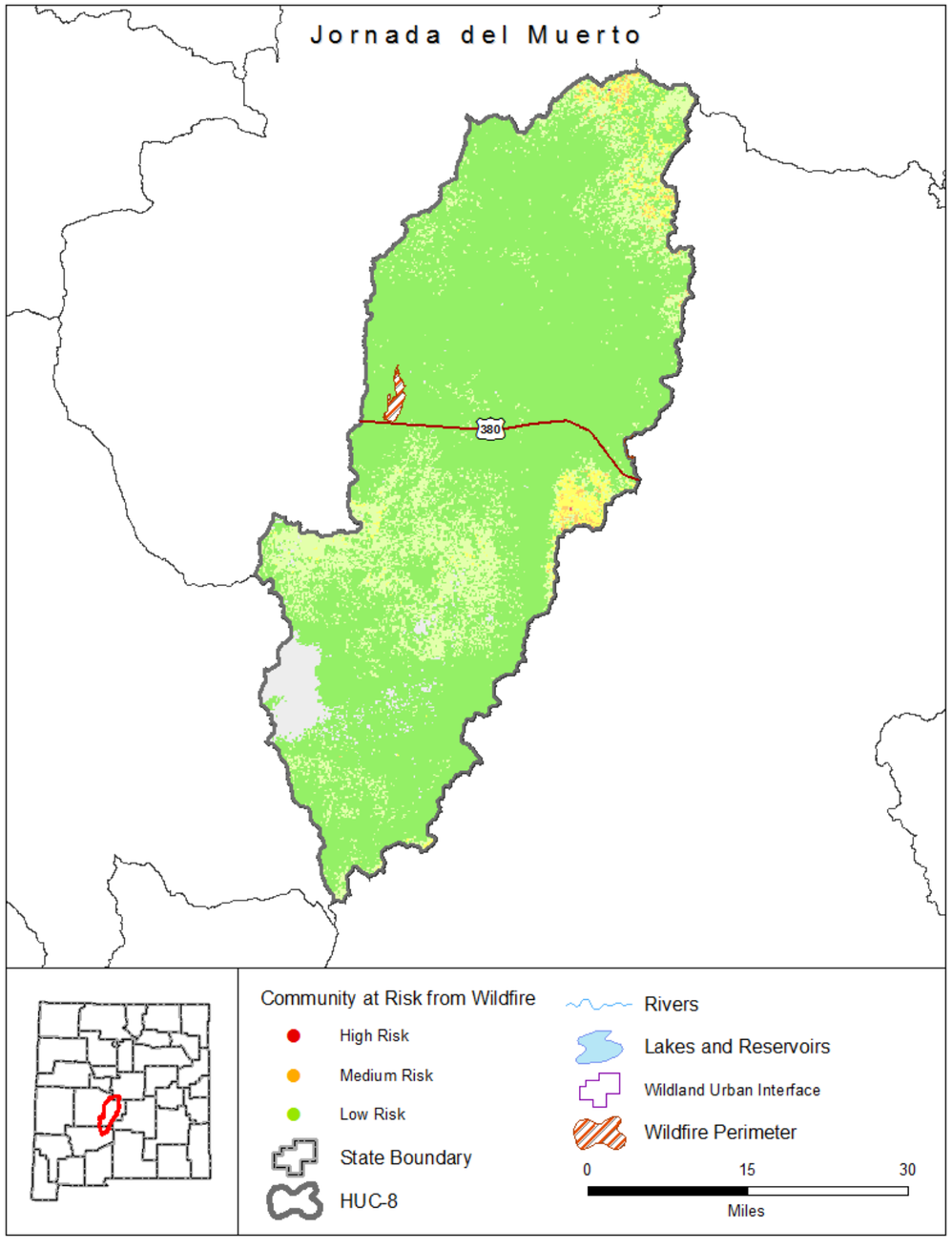
Watershed 13020210

Watershed Characteristics	
Area (sq mi)	1,710
Population in NM	1,304
CNMS Streams (mi)	3
Maximum Elevation (feet)	8,636
Minimum Elevation (feet)	4,644
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	13.92 %
State	21.17 %
Tribal	0 %
Federal	64.91 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	4
NFIP Communities	4
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Jornada del Muerto

Risk Rank: Low

Description

The Jornada del Muerto watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 3,003 acres have burned during 2 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

No significant lidar available.

Counties

Lincoln, Sierra, Socorro, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Haas, J.R., Miller, L.W., Scott, J.H., and Thompson, M.P., 2014, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Sandia and Manzano Mountains and surrounding areas, Central New Mexico: U.S. Geological Survey Scientific Investigations Report 2014–5161, 24 p. with appendix, http://dx.doi.org/10.3133/sir20145161.

Communities at High Risk of Wildland Fire

None.

Watershed 13020210

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	78%
Low	15%
Moderate	2%
High	1%
Very High	0%
Non-Burnable	3%
Water	0%

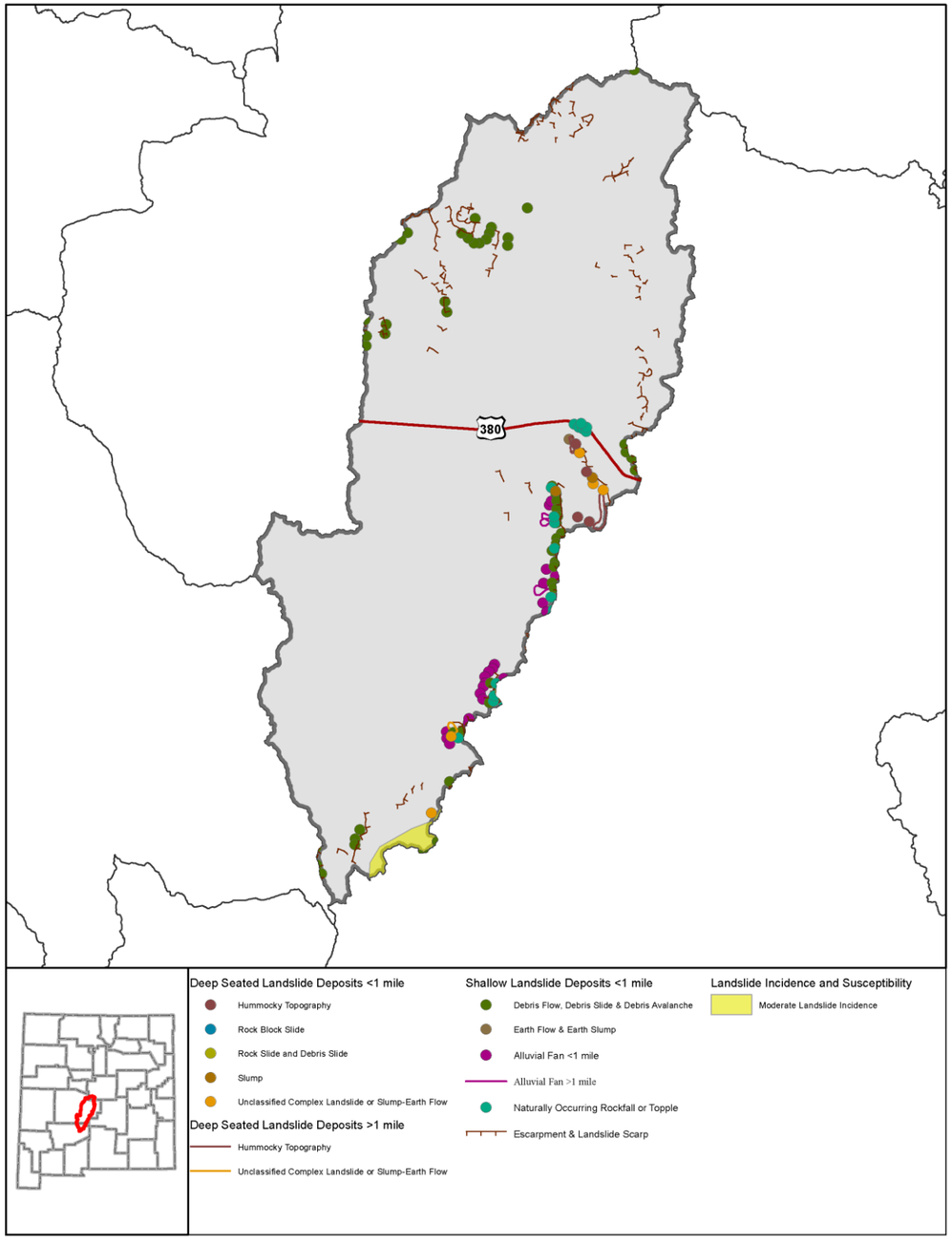
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	3,003

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	4
WUI Addressed Structures	1

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	33,920



Jornada Del Muerto

Risk Rank: Low

Description

The Jornada del Muerto watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Lincoln, Sierra, Socorro, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	1%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1710	100%

Watershed 13020210

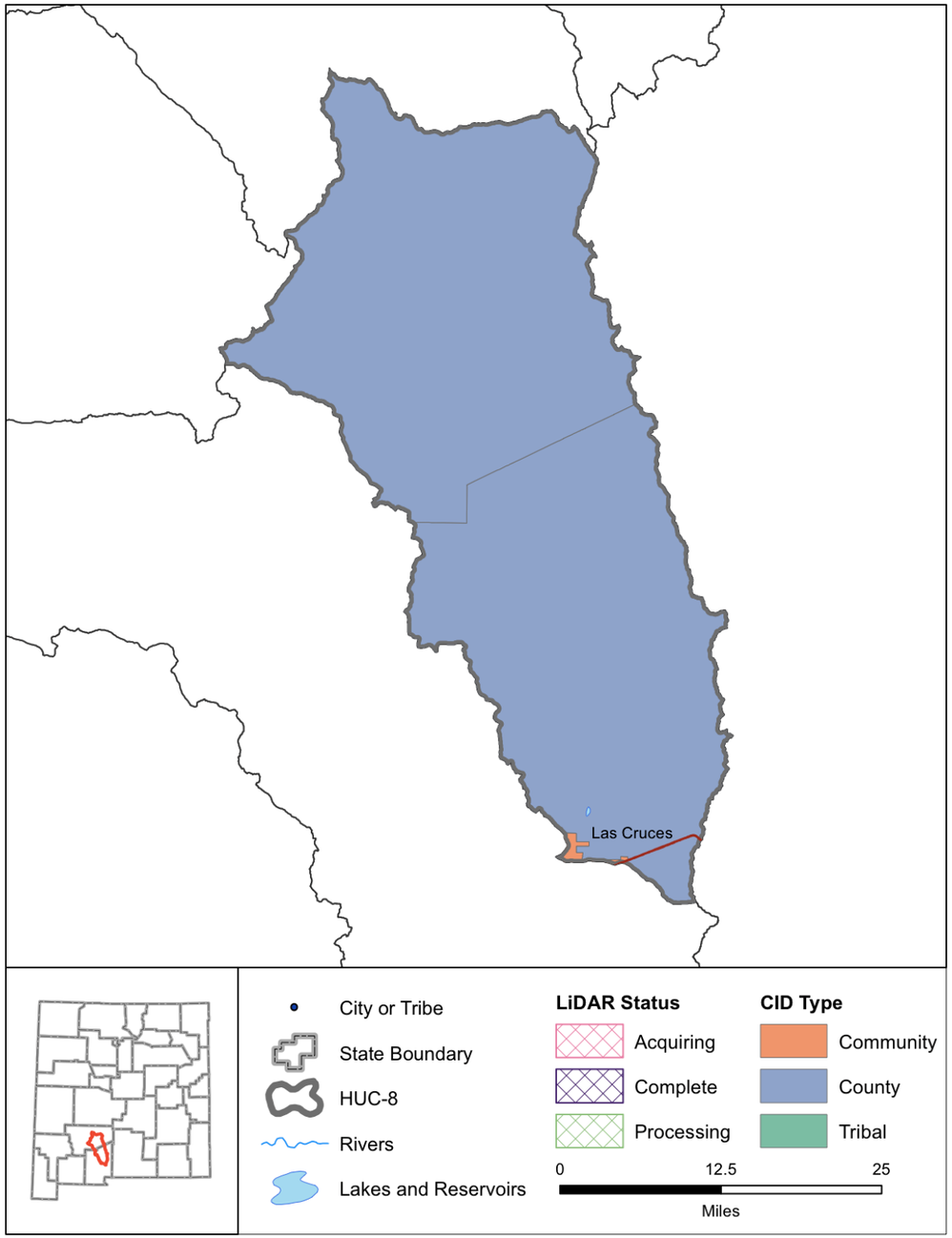
Rockfalls & Topples	14
Escarpments & Landslide Scarps	88

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	47
Alluvial Fan < 1mile	19
Alluvial Fan >1 mile	5
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	4
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	5
>1 mile	1
Total	188



Jornada Draw

Description

The Jornada Draw watershed is home to approximately 16,000 people in south-central New Mexico. The watershed is bound by the Caballo Mountains to the west and the San Andres Mountains to the east. FHBM data is available in Sierra County but no FIRM data is available. There is no lidar data available for the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Sierra

Communities

Las Cruces

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067312.pdf

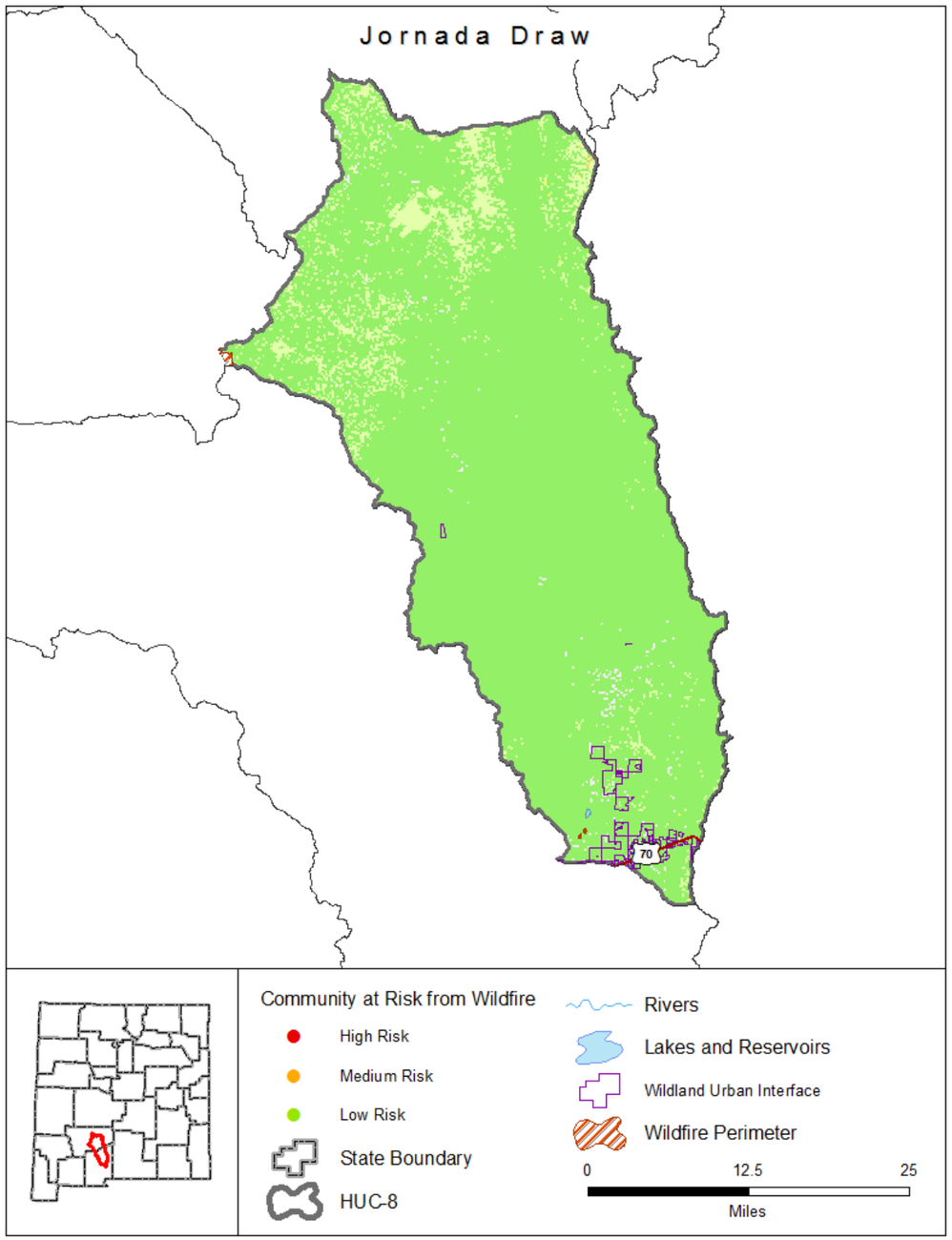
Watershed 13030103

Watershed Characteristics	
Area (sq mi)	1,249
Population in NM	16,141
CNMS Streams (mi)	149
Maximum Elevation (feet)	8,208
Minimum Elevation (feet)	4,254
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	11.03 %
State	11.28 %
Tribal	0 %
Federal	77.69 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	25
Policies within the SFHA	0
Policies outside of the SFHA	25
NFIP Premium Total	$ 18,237
NFIP Claims	2
Claims within the SFHA	0
Claims outside of the SFHA	2
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Jornada Draw

Risk Rank: Low

Description

The Jornada Draw watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Sierra

Communities

Las Cruces

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13030103

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	92%
Low	7%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	3
Acres Burned 2006-2016	469

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.04%
Intermix	1.43%
	Acres
Interface	296
Intermix	11,465
WUI Addressed Structures	210

Communities at Risk from Wildland Fire

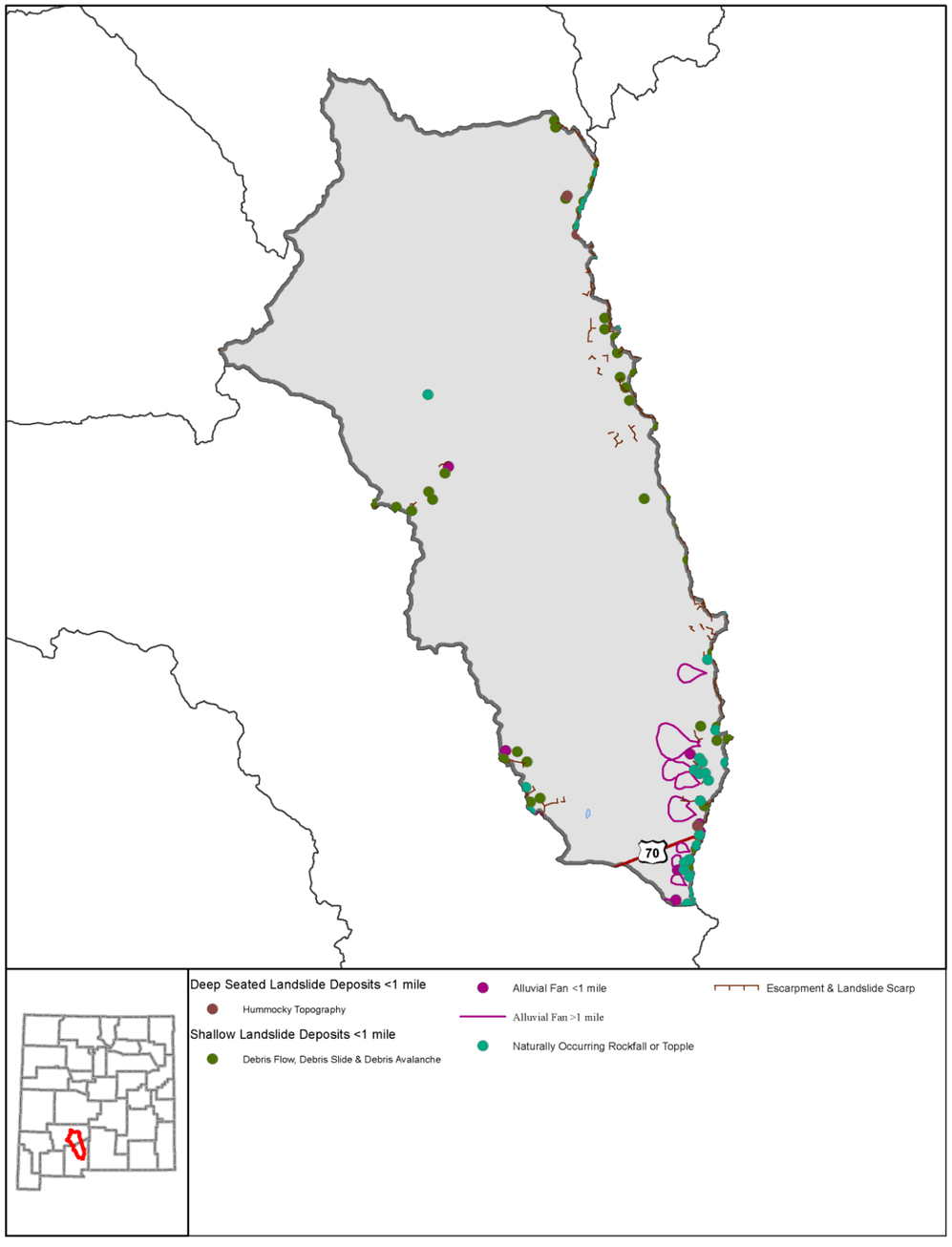
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	241,920



Jornada Draw

Risk Rank: Low

Description

The Jornada Draw watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Dona Ana, Sierra

Communities

Las Cruces

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1249	100%

Watershed 13030103

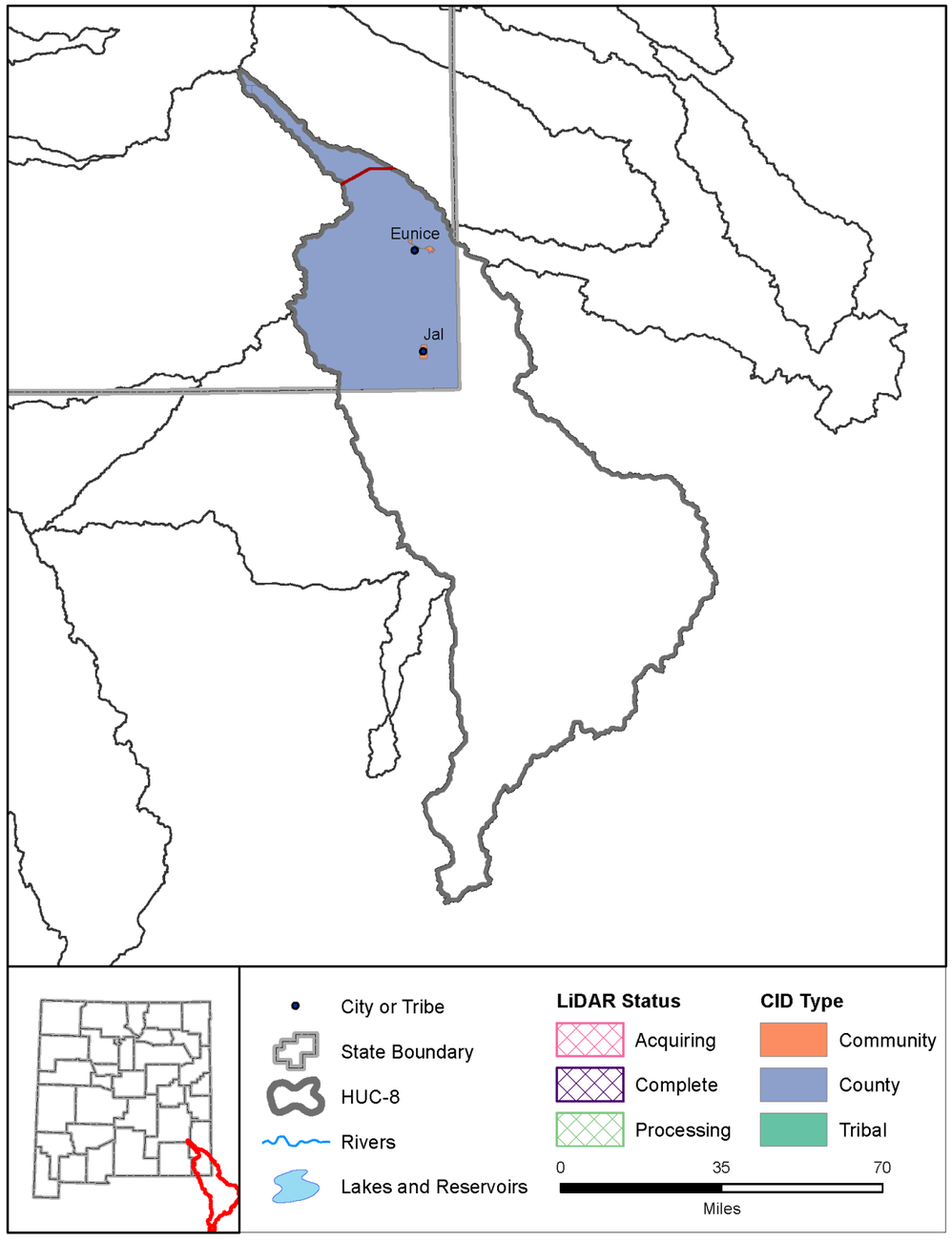
Rockfalls & Topples	20
Escarpments & Landslide Scarps	50

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	31
Alluvial Fan < 1mile	7
Alluvial Fan >1 mile	11
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	2
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	121



Landreth-Monument Draws

Description

The Landreth - Monument Draws watershed is home to approximately 6,500 people in New Mexico and is located along the southeastern border of the state. Less than 25% of the watershed is located within New Mexico. The watershed has moderate topographic relief from Mescalero Ridge to the eastern plains and contains the Monument Jal Oil Field. The New Mexico portion of the watershed contains smaller intermittent streams. FIRM data is very limited within the watershed but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lea

Communities

Eunice, Jal

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067966.pdf

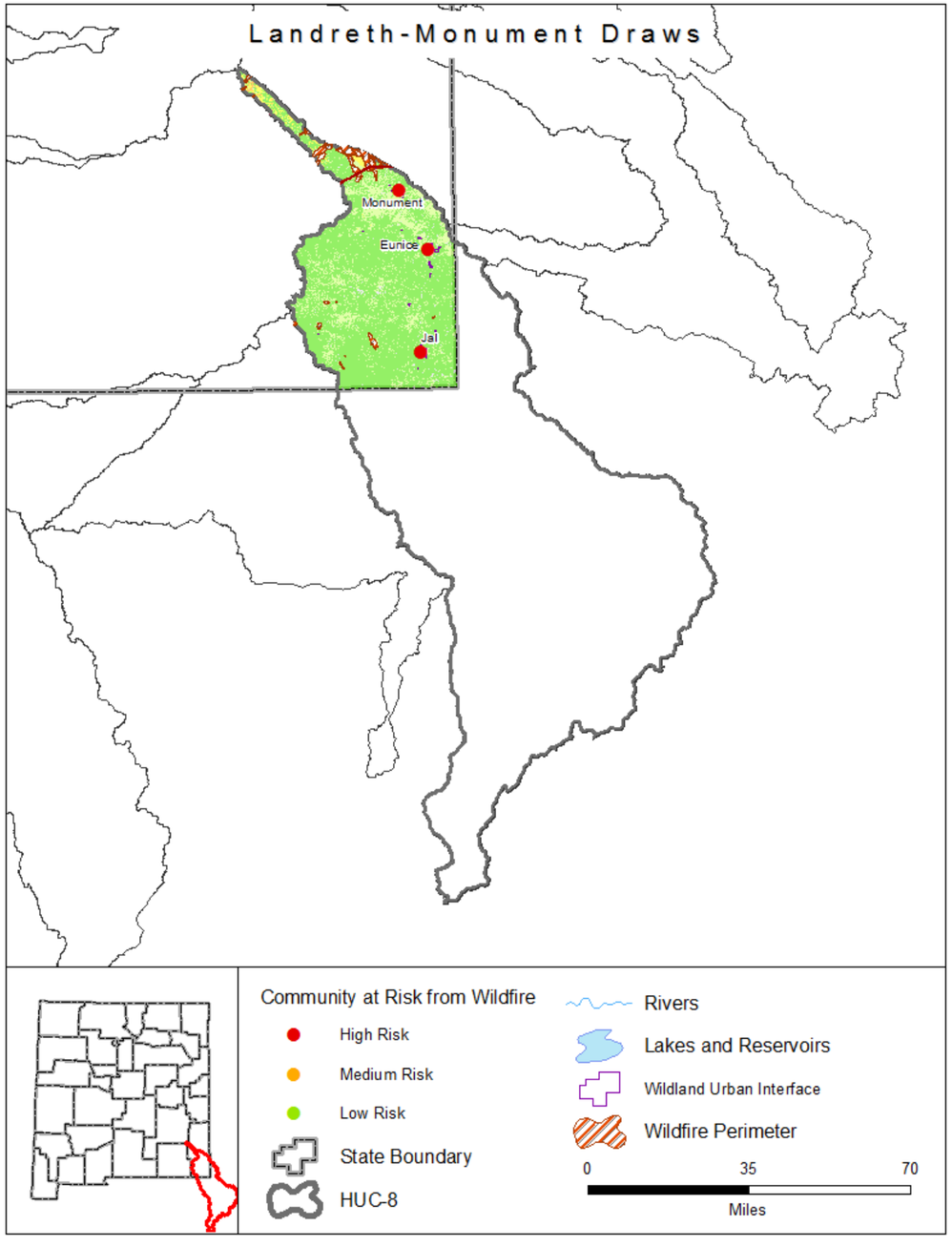
Watershed 13070007

Watershed Characteristics	
Area (sq mi)	6,339
Population in NM	17,475
CNMS Streams (mi)	7
Maximum Elevation (feet)	4,476
Minimum Elevation (feet)	2,886
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	24.38 %
Private	46.36 %
State	37.38 %
Tribal	0 %
Federal	16.26 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	5
NFIP Policies	41
Policies within the SFHA	37
Policies outside of the SFHA	4
NFIP Premium Total	$ 30,300
NFIP Claims	5
Claims within the SFHA	4
Claims outside of the SFHA	1
Paid Claims	$ 1,928
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Landreth-Monument Draws

Risk Rank: Low

Description

The Landreth - Monument is at low risk of wildfire. The communities of Eunice, Jal, Monument were identified in the local Community Wildfire Protection Plan as high risk.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lea

Communities

Eunice, Jal

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Eunice, Jal, Monument

Watershed 13070007

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	76%
Low	20%
Moderate	3%
High	0%
Very High	0%
Non-Burnable	1%
Water	0%

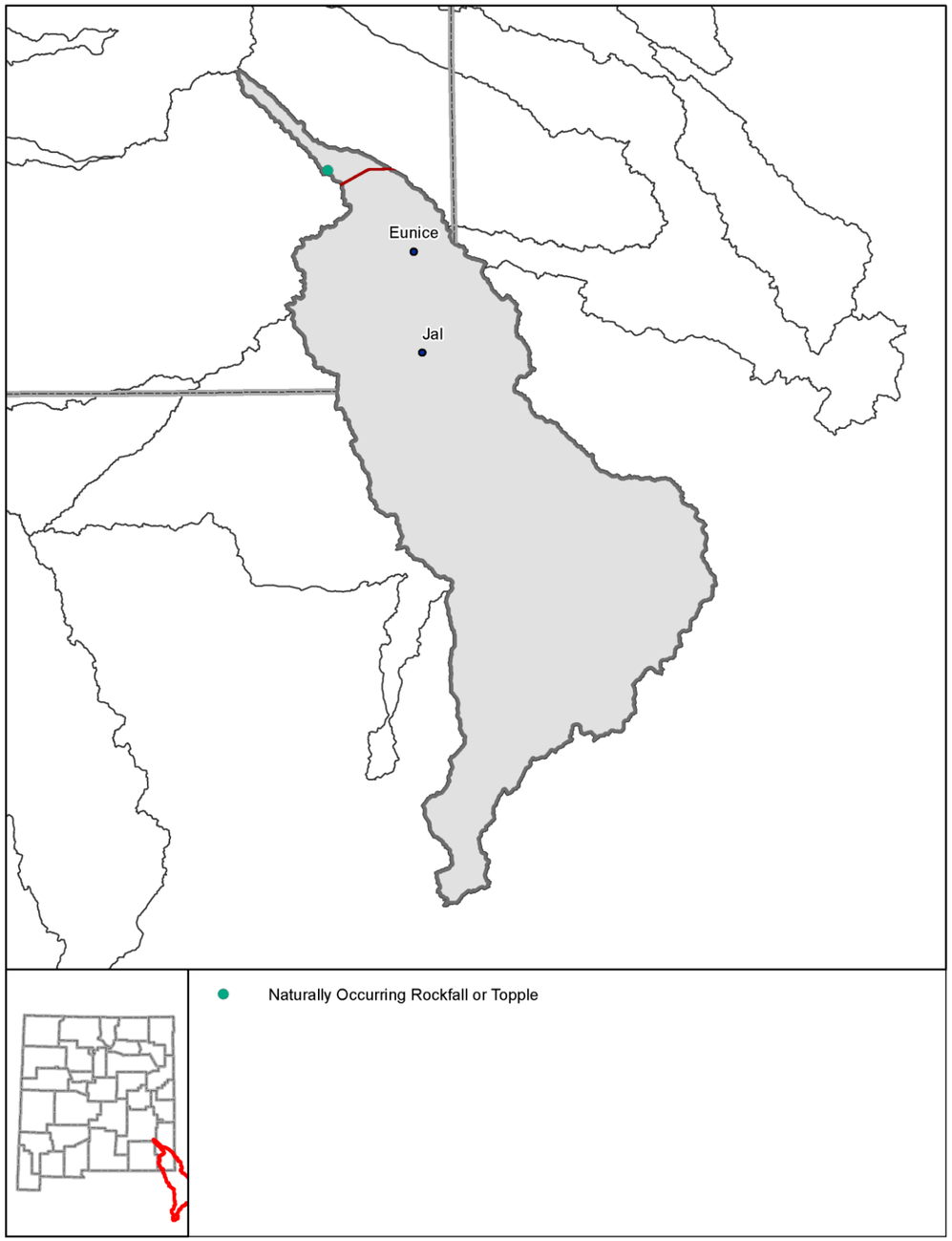
Watershed Characteristics	
Wildfires 2006-2016	30
Acres Burned 2006-2016	27,496

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.1%
Intermix	0.37%
	Acres
Interface	961
Intermix	3,704
WUI Addressed Structures	75

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	100,480



Landreth-Monument Draws

Risk Rank: Low

Description

The Landreth - Monument is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Eddy, Lea

Communities

Eunice, Jal

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1545	24%

Watershed 13070007

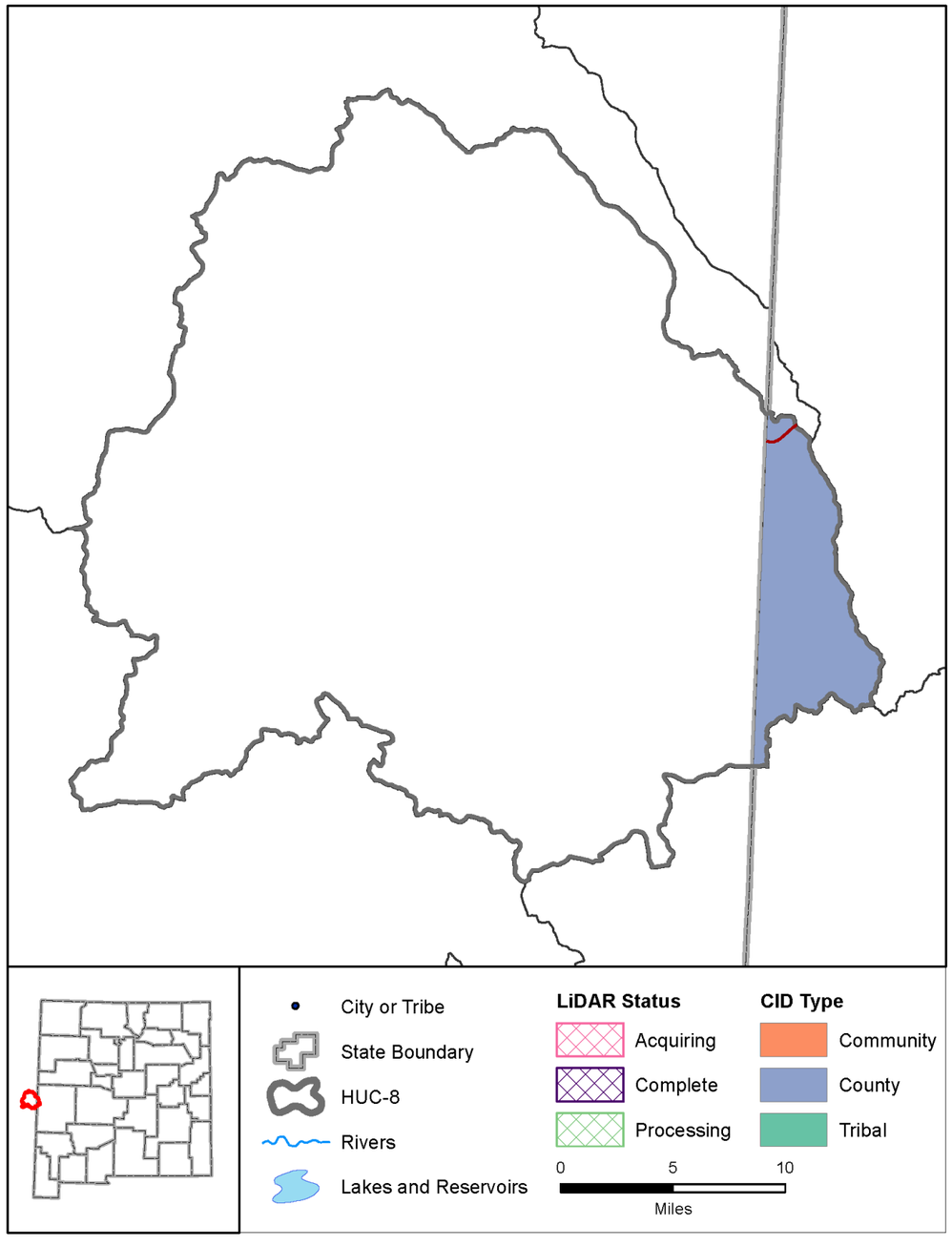
Rockfalls & Topples	1
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	1



Little Colorado Headwaters

Description

The Lower Colorado Headwaters watershed is home to approximately 100 people in New Mexico and is located on the western border of the state. Approximately 6% of the watershed is located in New Mexico. Within New Mexico, the watershed is located within the San Francisco Mountains. The Lower Colorado River is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM or lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

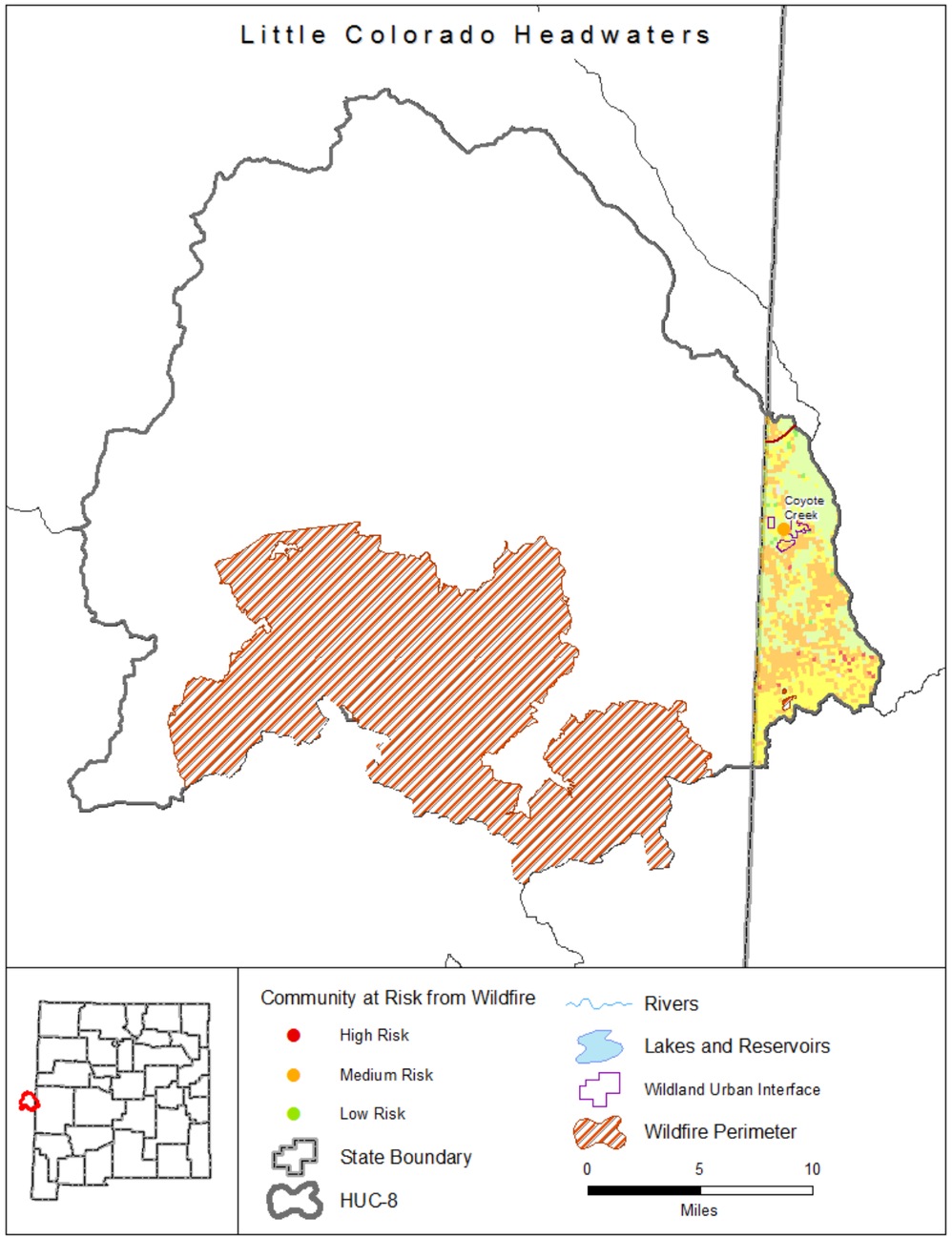
Watershed 15020001

Watershed Characteristics	
Area (sq mi)	808
Population in NM	104
CNMS Streams (mi)	0
Maximum Elevation (feet)	9,379
Minimum Elevation (feet)	7,219
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	6.22 %
Private	25.38 %
State	4.89 %
Tribal	0 %
Federal	69.64 %
States	AZ, NM,

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Little Colorado Headwaters

Risk Rank: Low

Description

The Little Colorado Headwaters watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 15020001

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	1%
Low	34%
Moderate	31%
High	33%
Very High	1%
Non-Burnable	1%
Water	0%

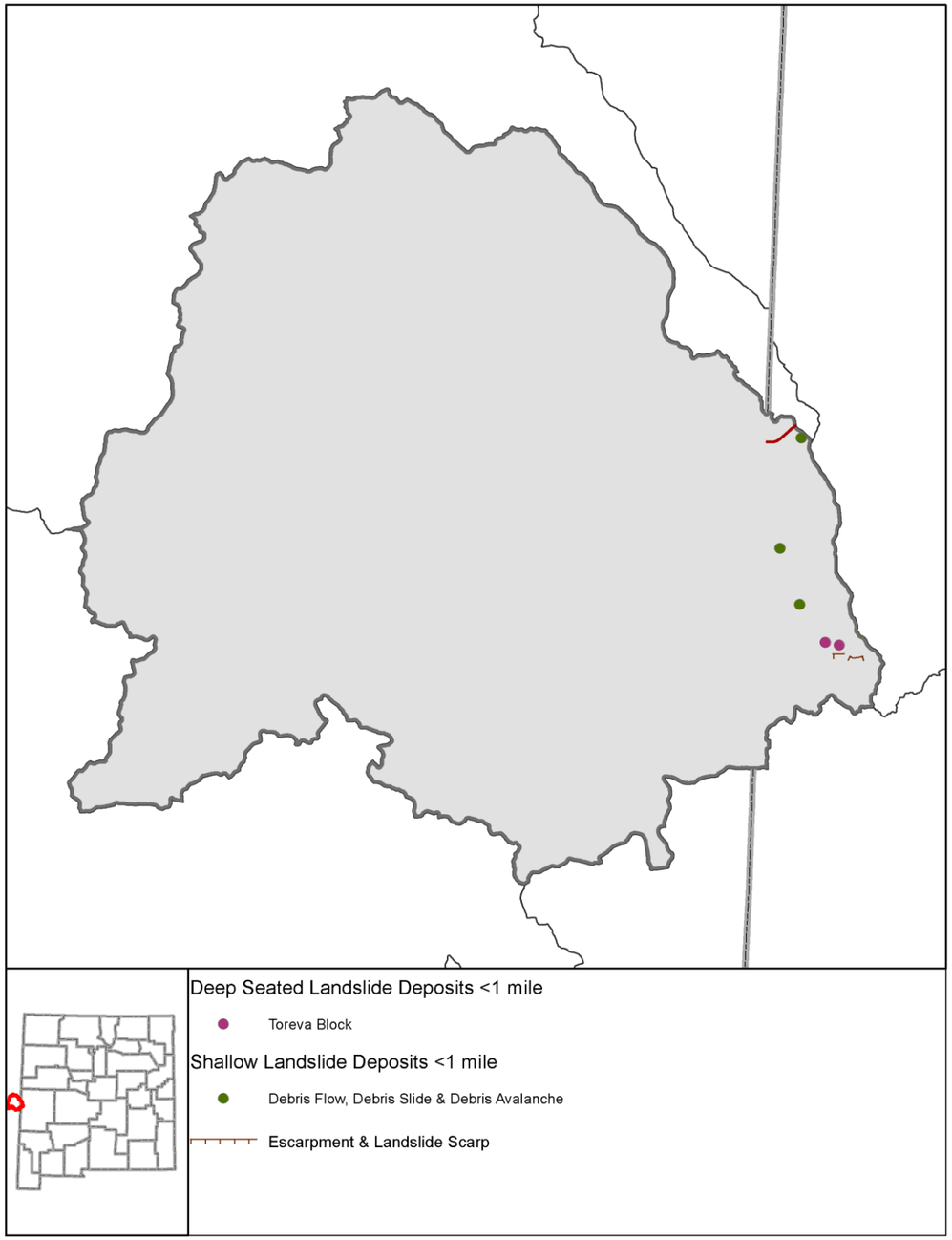
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	120

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	1.7%
	Acres
Interface	0
Intermix	543
WUI Addressed Structures	7

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	1

Vegetation Treatments 2006-2016	
Acres Treated	0



Little Colorado Headwaters

Risk Rank: Low

Description

The Little Colorado Headwaters watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	50	6%

Watershed 15020001

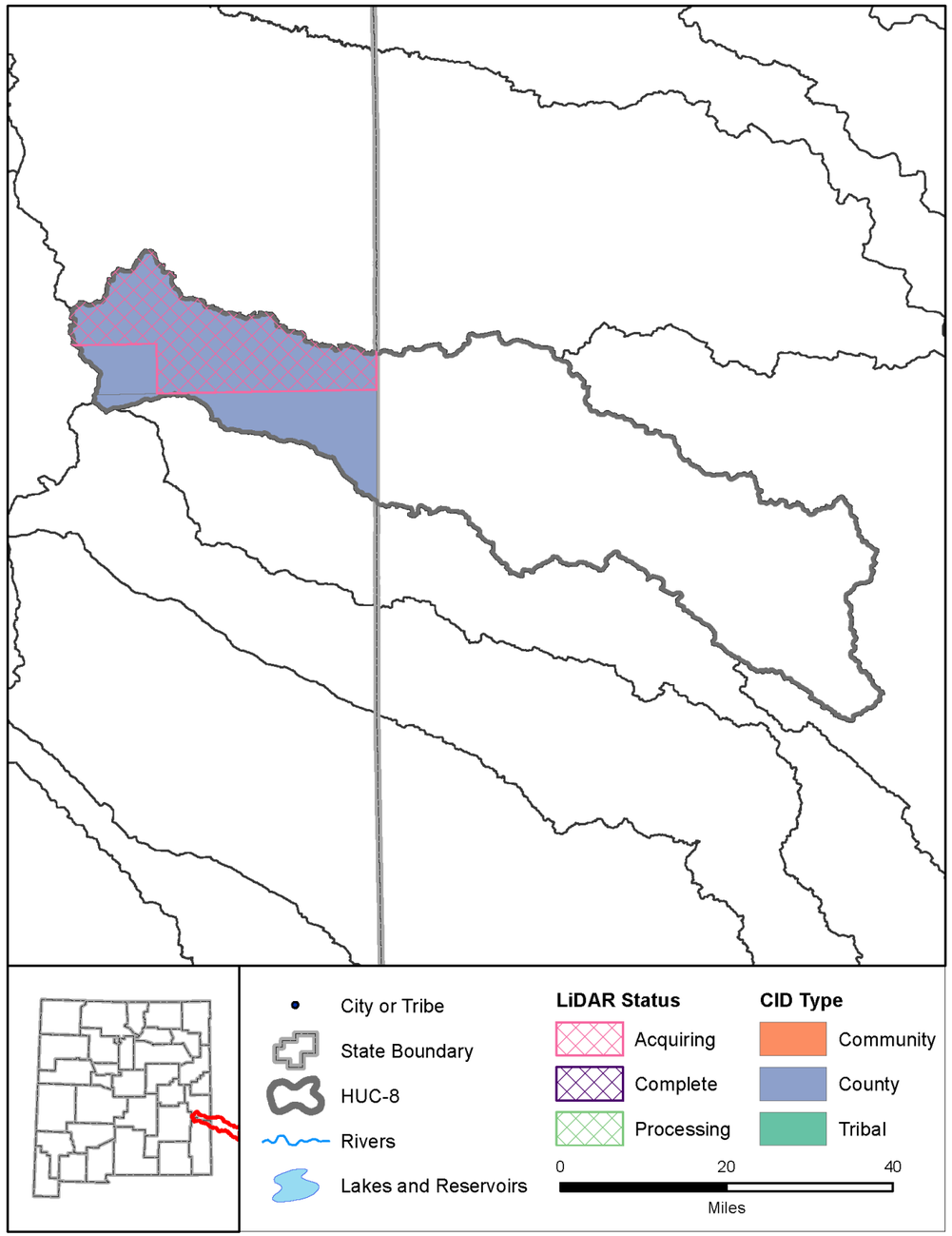
Rockfalls & Topples	0
Escarpments & Landslide Scarps	2

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	3
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	2
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	7



Lost Draw

Description

The Lost Draw watershed has approximately 30% of its area within New Mexico. None of the watershed has FHBM or FIRM data. The Lost Draw watershed is home to approximately 700 people along the eastern border of New Mexico. The watershed is part ot the Llano Estacado (Staked Plain). There are no significant, surface hydrologic features within New Mexico's 30% of the watershed. None of the watershed has FHBM or FIRM data. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.Local officials should be consulted to determine their need for these products. Future projects should coordinate with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the northwestern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Lea, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066317.pdf

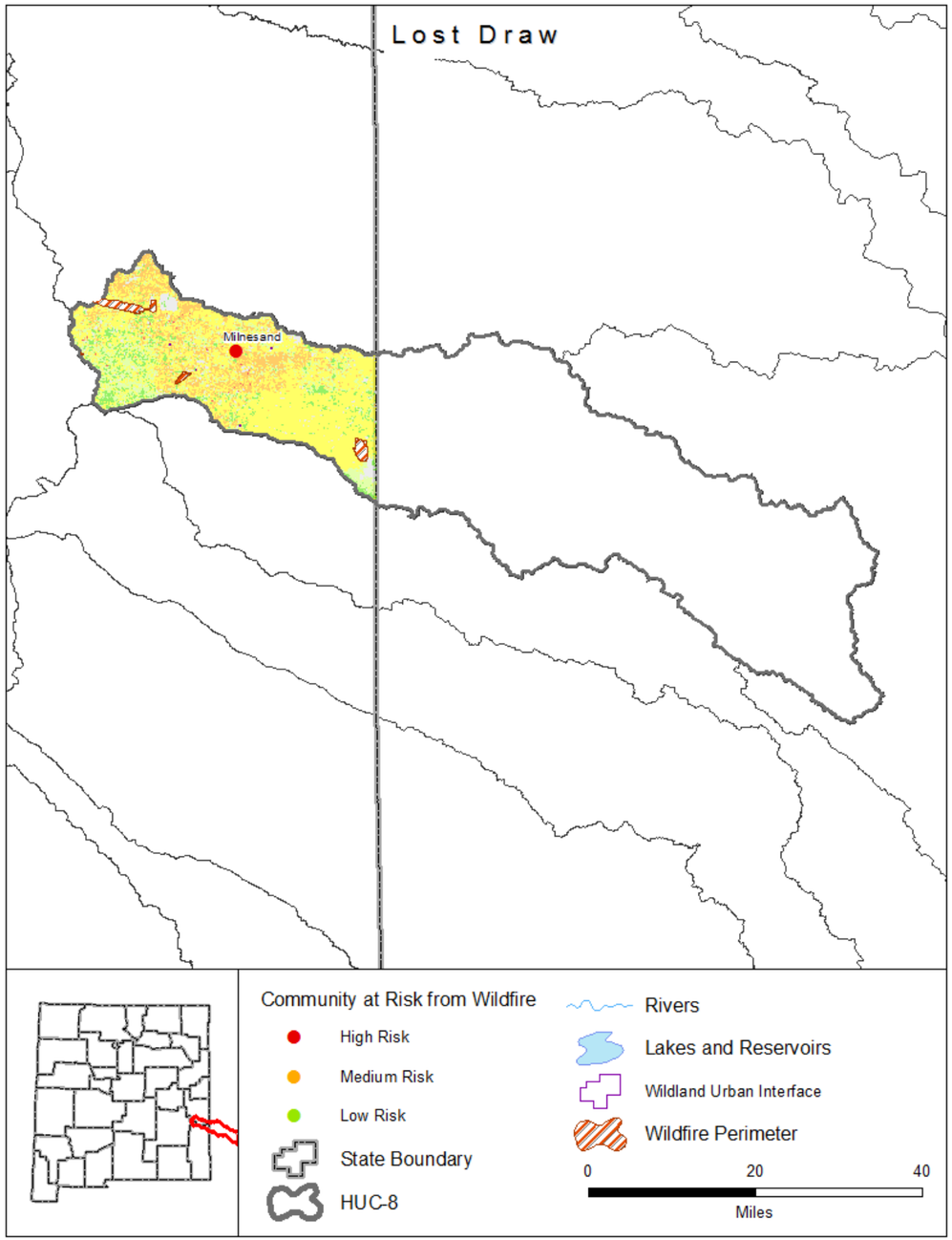
Watershed 12080001

Watershed Characteristics	
Area (sq mi)	1,791
Population in NM	706
CNMS Streams (mi)	0
Maximum Elevation (feet)	4,550
Minimum Elevation (feet)	3,876
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	29.04 %
Private	68.15 %
State	23.02 %
Tribal	0 %
Federal	8.8 %
States	NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Lost Draw

Risk Rank: Medium

Description

The Lost Draw watershed at medium risk of wildfire and the community of Milnesand has been identified as high risk in the local Community Wildfire Protection Plan. A total of 6,557 acres have burned during 4 wildfire events over the last ten years. Lidar data for the New Mexico portion of the watershed was collected in 2015.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the northwestern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Lea, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Milnesand

Watershed 12080001

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	8%
Low	16%
Moderate	55%
High	16%
Very High	0%
Non-Burnable	4%
Water	0%

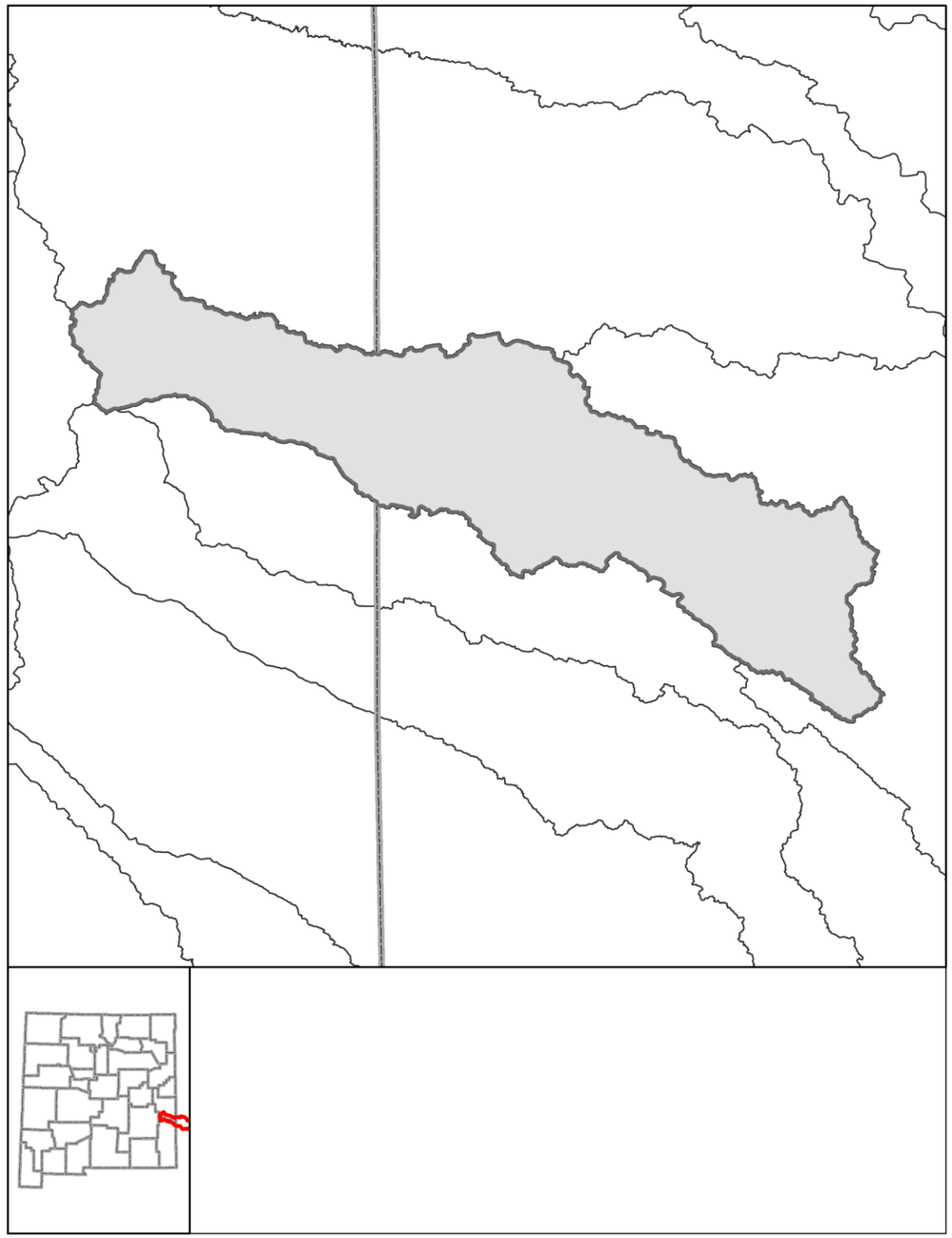
Watershed Characteristics	
Wildfires 2006-2016	4
Acres Burned 2006-2016	6,557

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.01%
	Acres
Interface	0
Intermix	19
WUI Addressed Structures	4

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	12,160



Lost Draw

Risk Rank: None/Unknown

Description

The Lost Draw watershed at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for the northwestern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Lea, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	520	29%

Watershed 12080001

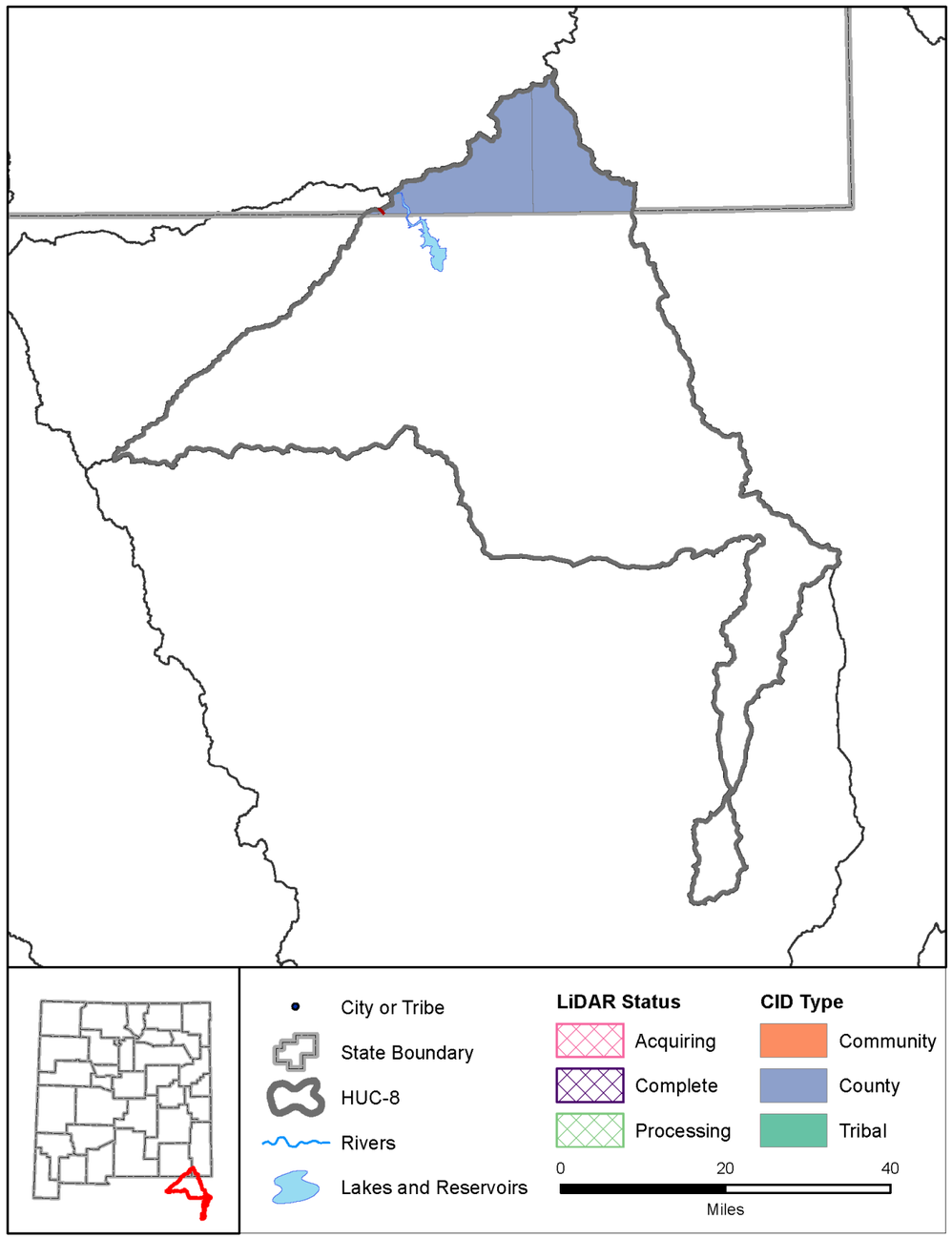
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Lower Pecos-Red Bluff Reservoir

Description

The Lower Pecos - Red Bluff Reservoir watershed is home to around 500 people in New Mexico and is located along the southern border of the state. Less than 11% of the watershed is located within New Mexico. The watershed has little topographic relief and consists of several oil fields. The Pecos River is the primary hydrologic feature with many smaller intermittent tributaries. FIRM data is within Eddy County with none in Lea County. No lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Eddy, Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067594.pdf

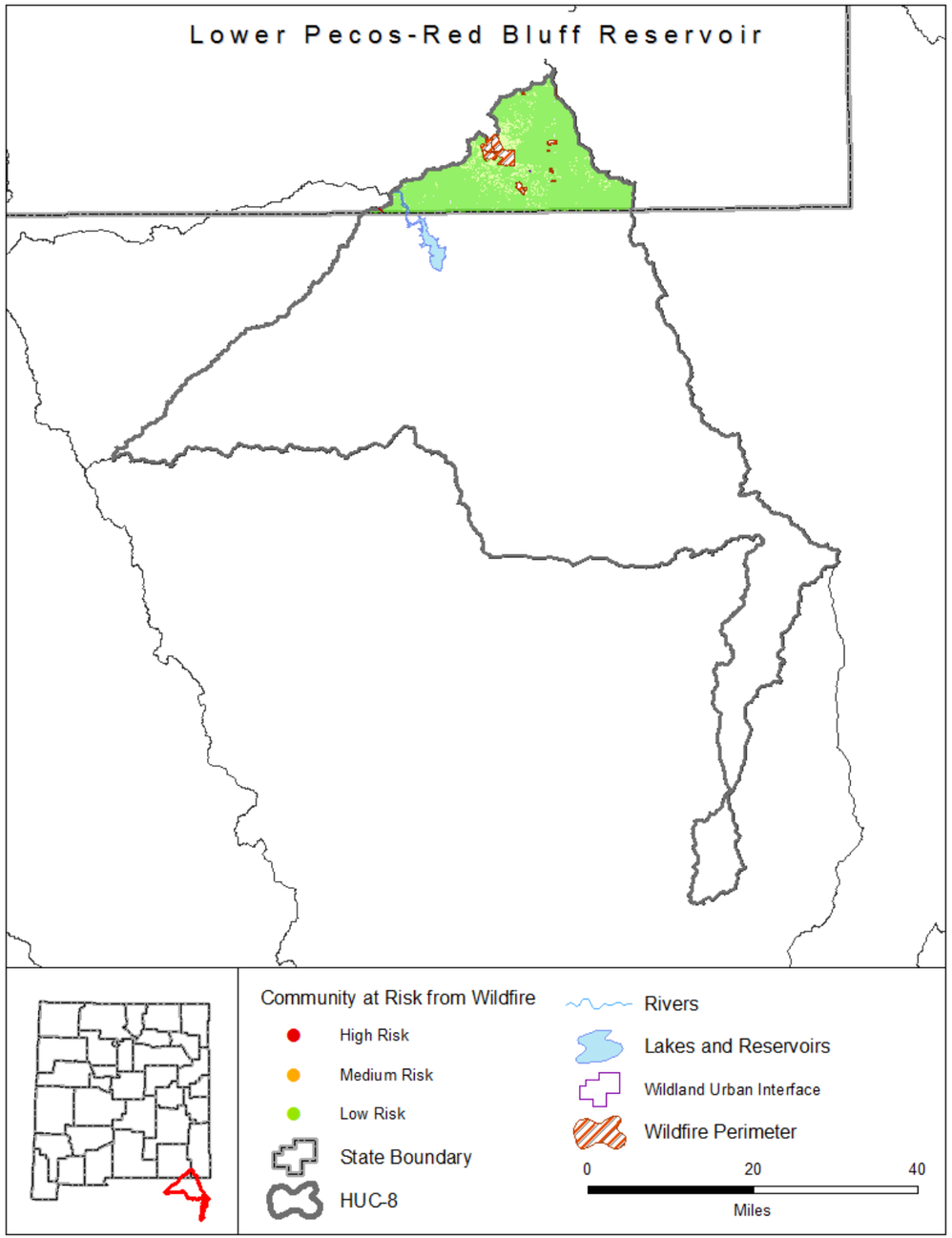
Watershed 13070001

Watershed Characteristics	
Area (sq mi)	2,491
Population in NM	550
CNMS Streams (mi)	32
Maximum Elevation (feet)	3,689
Minimum Elevation (feet)	2,818
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	10.56 %
Private	5.77 %
State	8.94 %
Tribal	0 %
Federal	85.27 %
States	TX, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Lower Pecos-Red Bluff Reservoir

Risk Rank: Low

Description

The Lower Pecos - Red Bluff Reservoir watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 6,655 acres have burned during 16 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Eddy, Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13070001

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	90%
Low	10%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	16
Acres Burned 2006-2016	6,655

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	8
WUI Addressed Structures	1

Communities at Risk from Wildland Fire

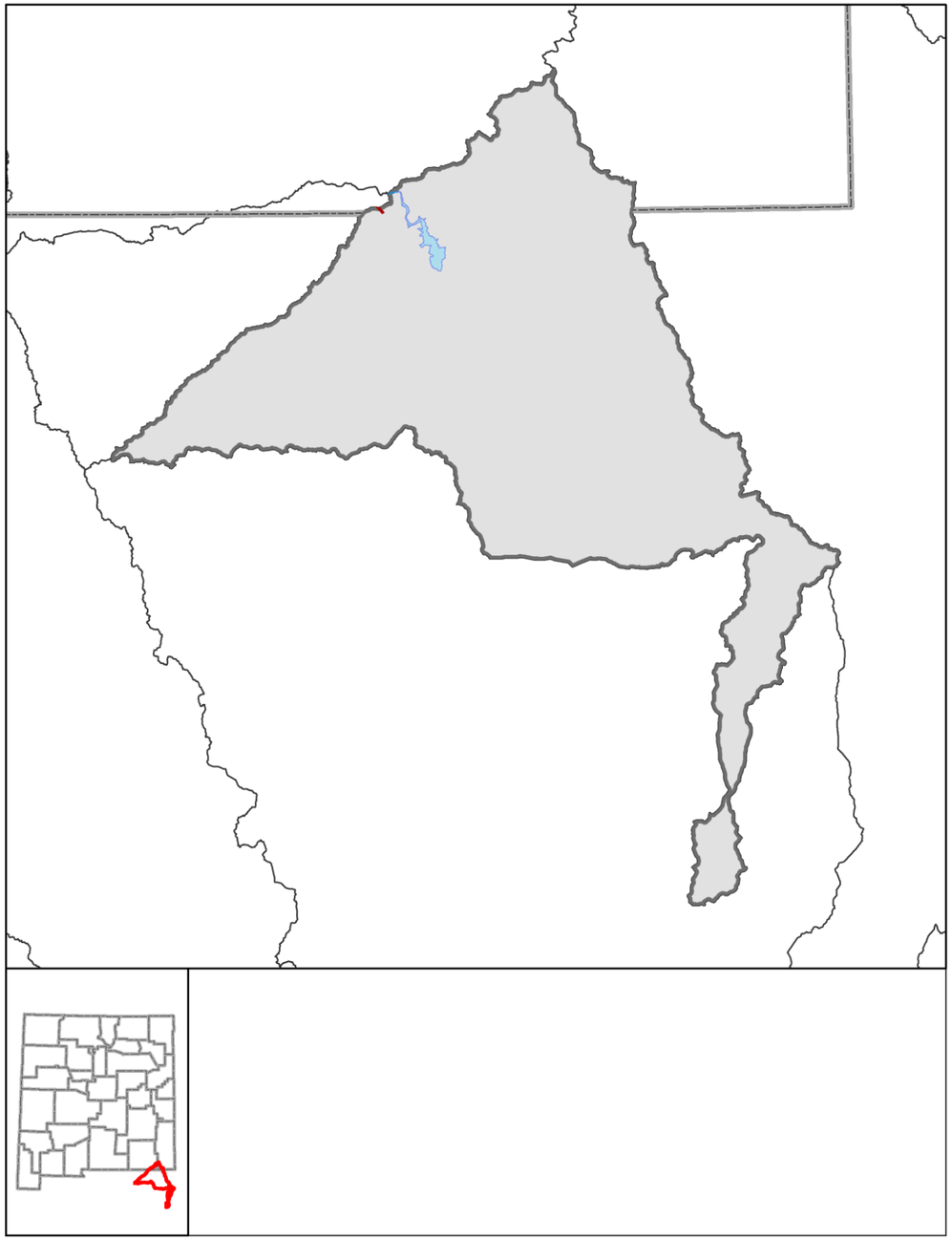
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	68,480



Lower Pecos-Red Bluff Reservoir

Risk Rank: Low

Description

The Lower Pecos - Red Bluff Reservoir watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Eddy, Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	263	11%

Watershed 13070001

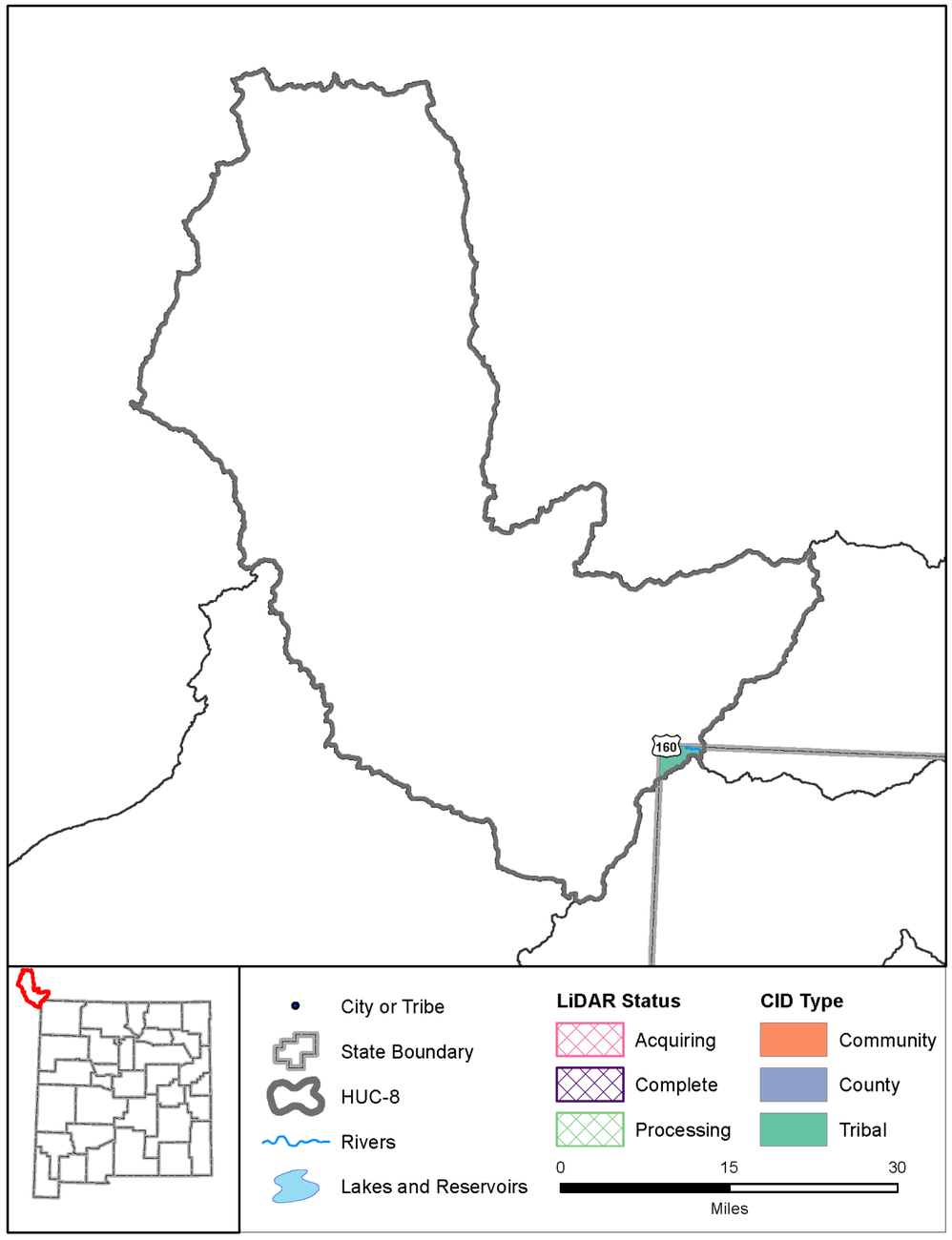
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	3
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	37
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	40



Lower San Juan-Four Corners

Description

The Lower San Juan - Four Corners watershed is home to approximately 400 people in New Mexico and is located on the northwestern border of the state. The watershed is entirely tribal land with less than 1% of the watershed within New Mexico. The watershed has minimal topographic relief within New Mexico. The San Juan River is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM data or lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

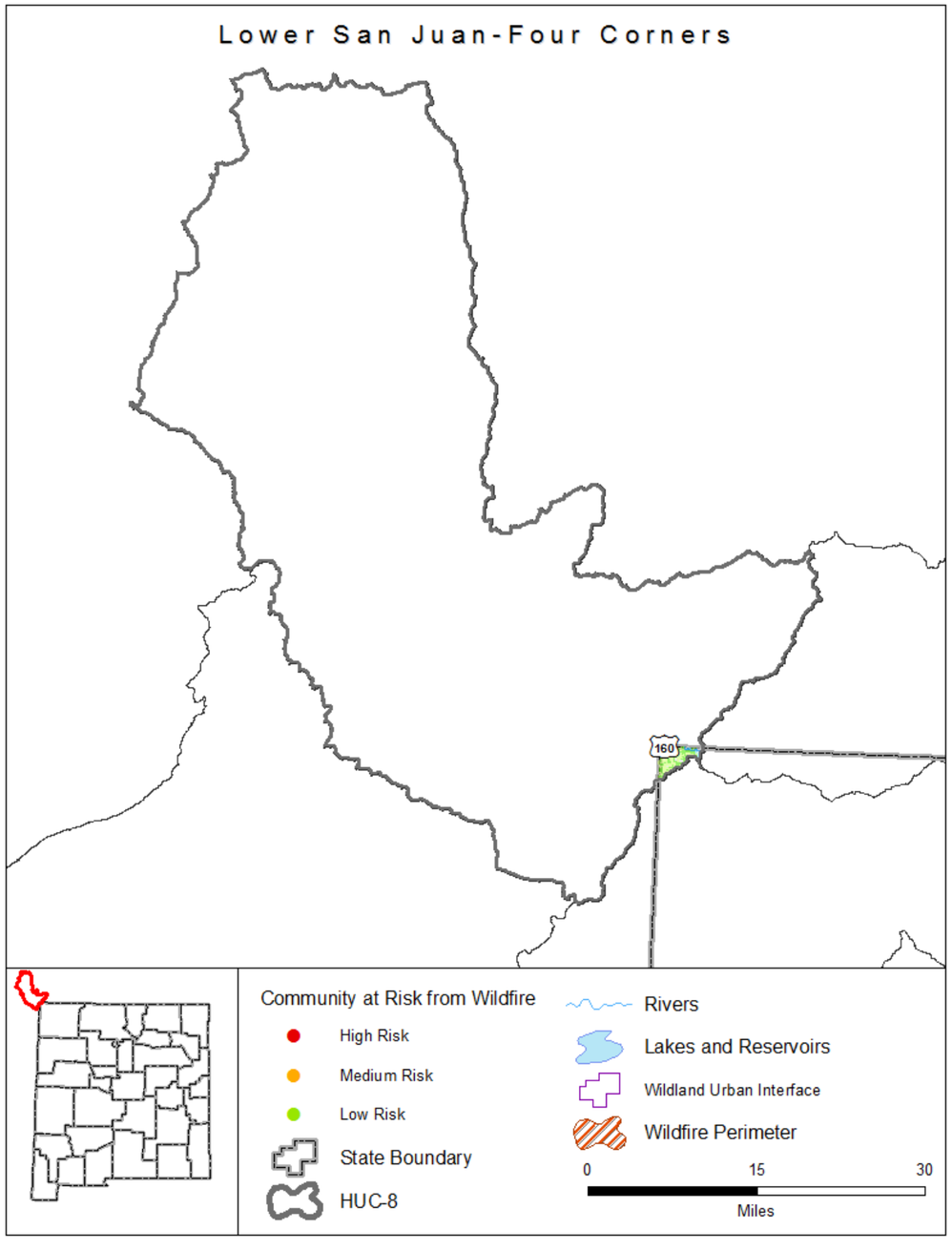
Watershed 14080201

Watershed Characteristics	
Area (sq mi)	2,000
Population in NM	326
CNMS Streams (mi)	0
Maximum Elevation (feet)	5,251
Minimum Elevation (feet)	4,632
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	0.36 %
Private	0 %
State	0 %
Tribal	99.83 %
Federal	0 %
States	AZ, CO, UT, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Lower San Juan-Four Corners

Risk Rank: Low

Description

The Lower San Juan - Four Corners watershed at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 14080201

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	43%
Low	47%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	7%
Water	3%

Watershed Characteristics

Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire

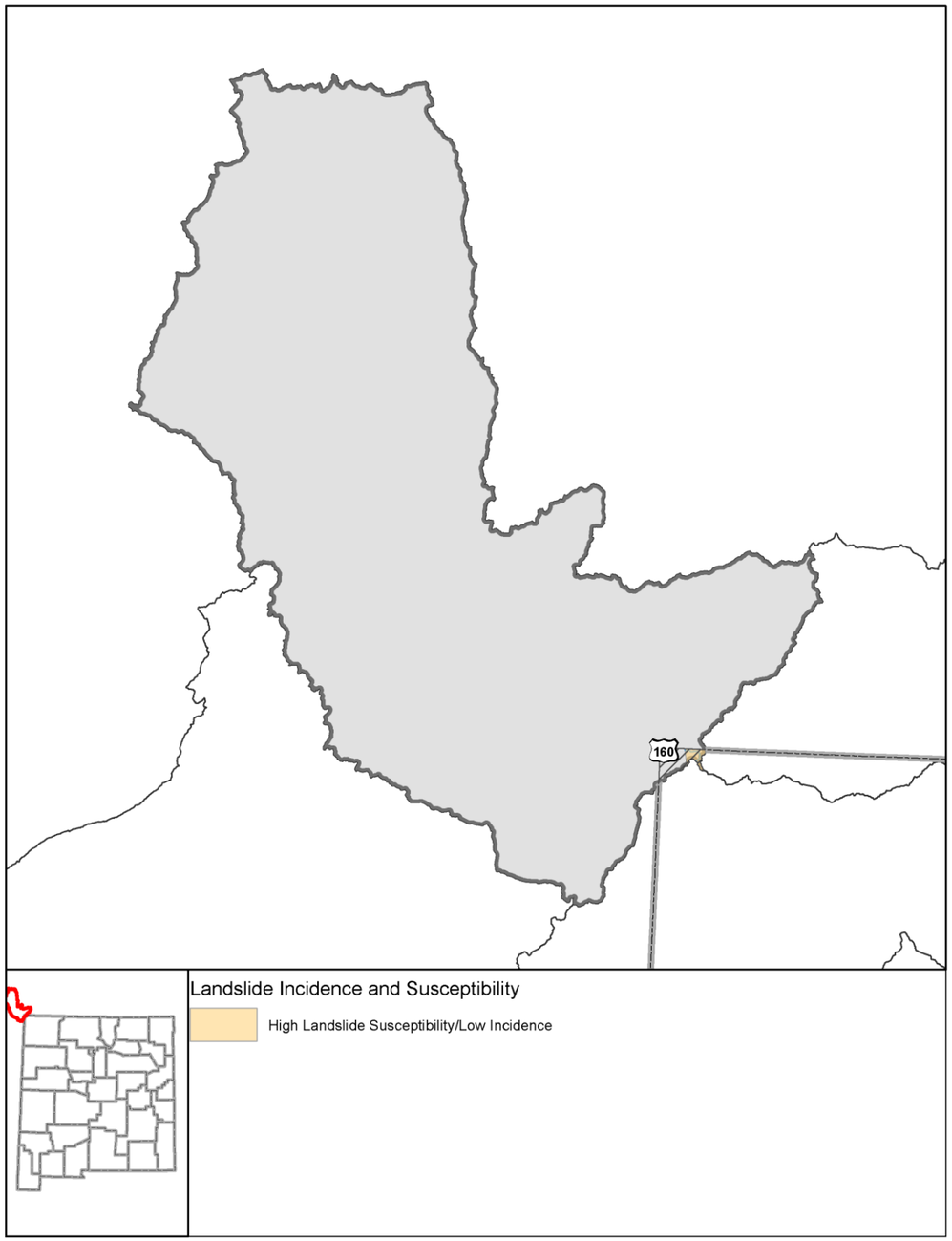
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Lower San Juan-Four Corners

Risk Rank: Low

Description

The San Simon watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	234	10%

Watershed 14080201

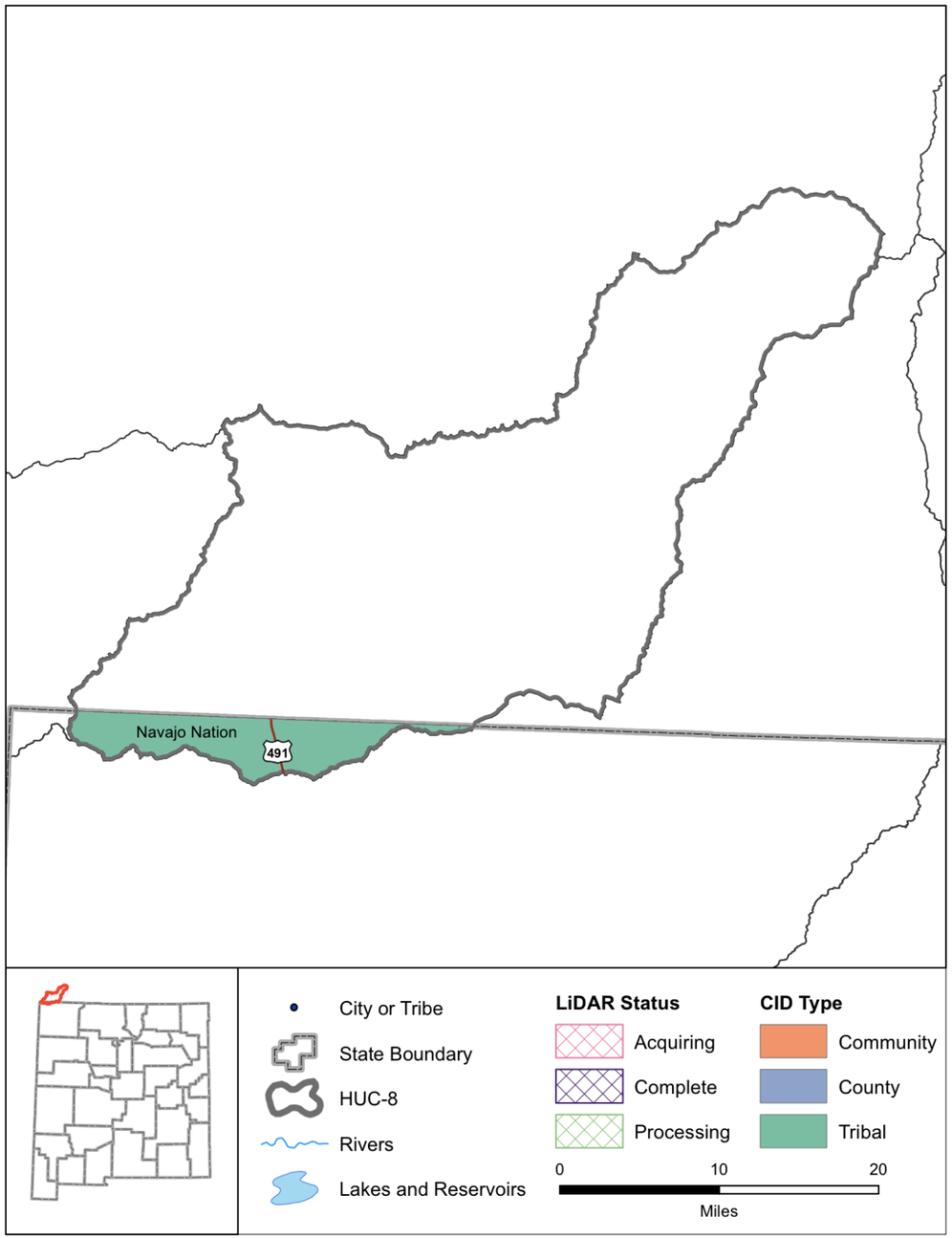
Rockfalls & Topples	0
Escarpments & Landslide Scarps	13

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	4
Alluvial Fan < 1mile	9
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	27



Mancos

Description

The Mancos watershed is home to approximately 100 people in New Mexico and is located in the northwest corner of the state. The watershed is entirely tribal land with only 8% of the watershed within New Mexico. Mancos Canyon is the primary topographic feature within the watershed. The Mancos River is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM data or lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Ute Mountain Reservation

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

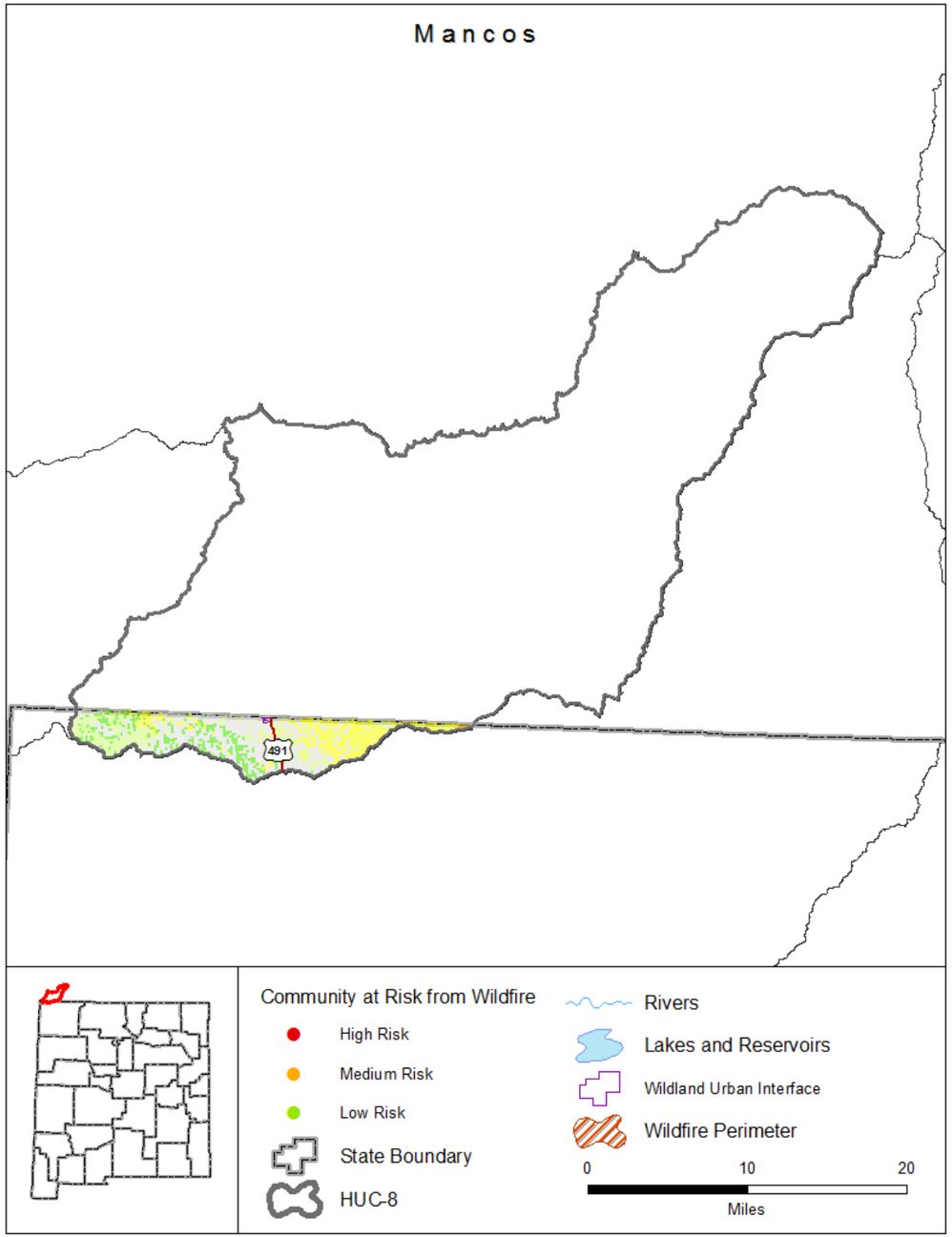
Watershed 14080107

Watershed Characteristics	
Area (sq mi)	803
Population in NM	108
CNMS Streams (mi)	0
Maximum Elevation (feet)	6,889
Minimum Elevation (feet)	4,661
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	7.27 %
Private	0 %
State	0 %
Tribal	99.96 %
Federal	0 %
States	CO, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Mancos

Risk Rank: Low

Description

The Mancos watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Ute Mountain Reservation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 14080107

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	13%
Low	19%
Moderate	22%
High	0%
Very High	0%
Non-Burnable	46%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.22%
	Acres
Interface	0
Intermix	82
WUI Addressed Structures	3

Communities at Risk from Wildland Fire

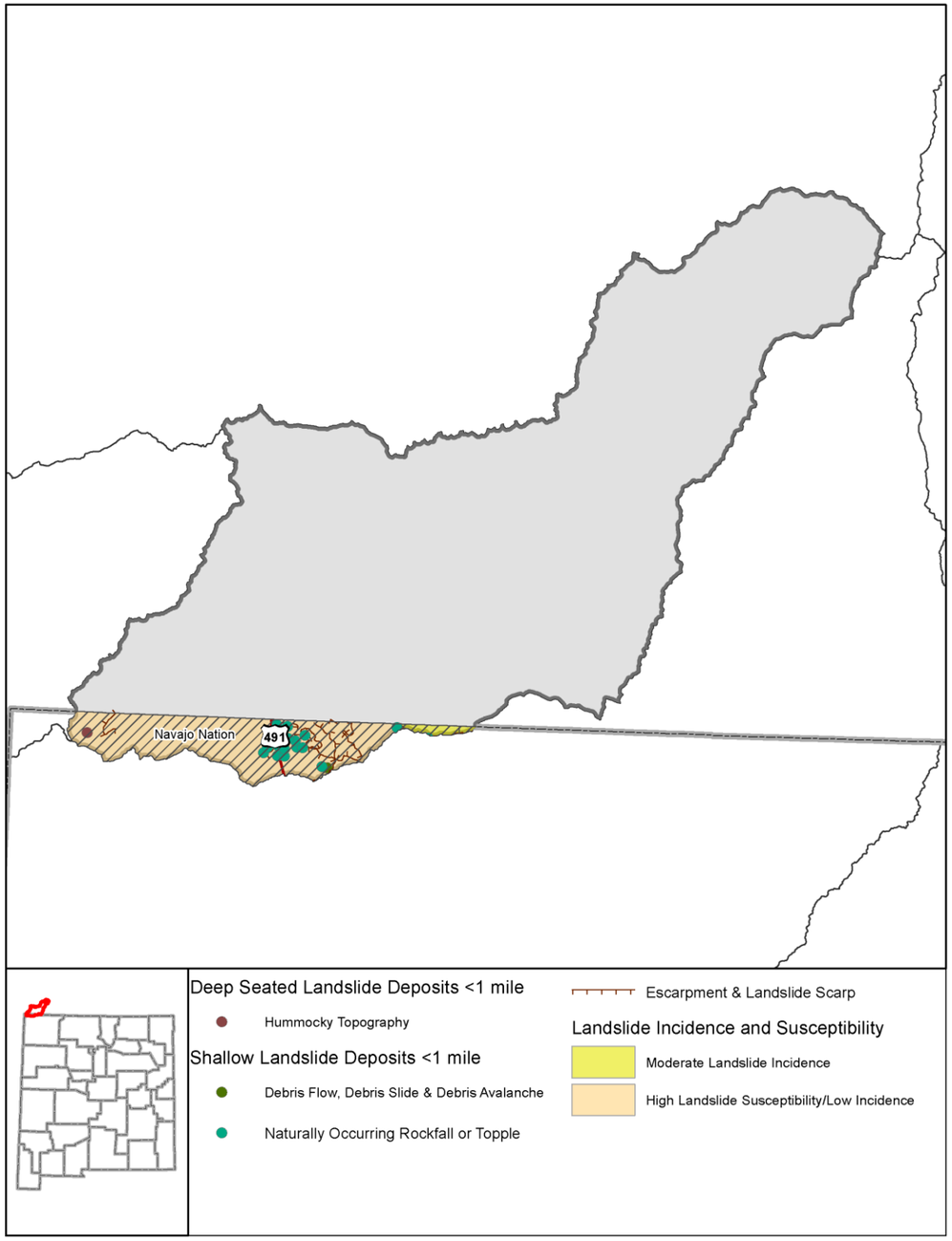
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Mancos

Risk Rank: Low

Description

The Upper Beaver watershed is at low risk of landslide processes.

Lidar Data Availability

FEMA collected USGS QL2 Lidar in 2017.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	19	1%
High susceptibility to landsliding and low incidence	12	0%
Total	751	27%

Watershed 14080107

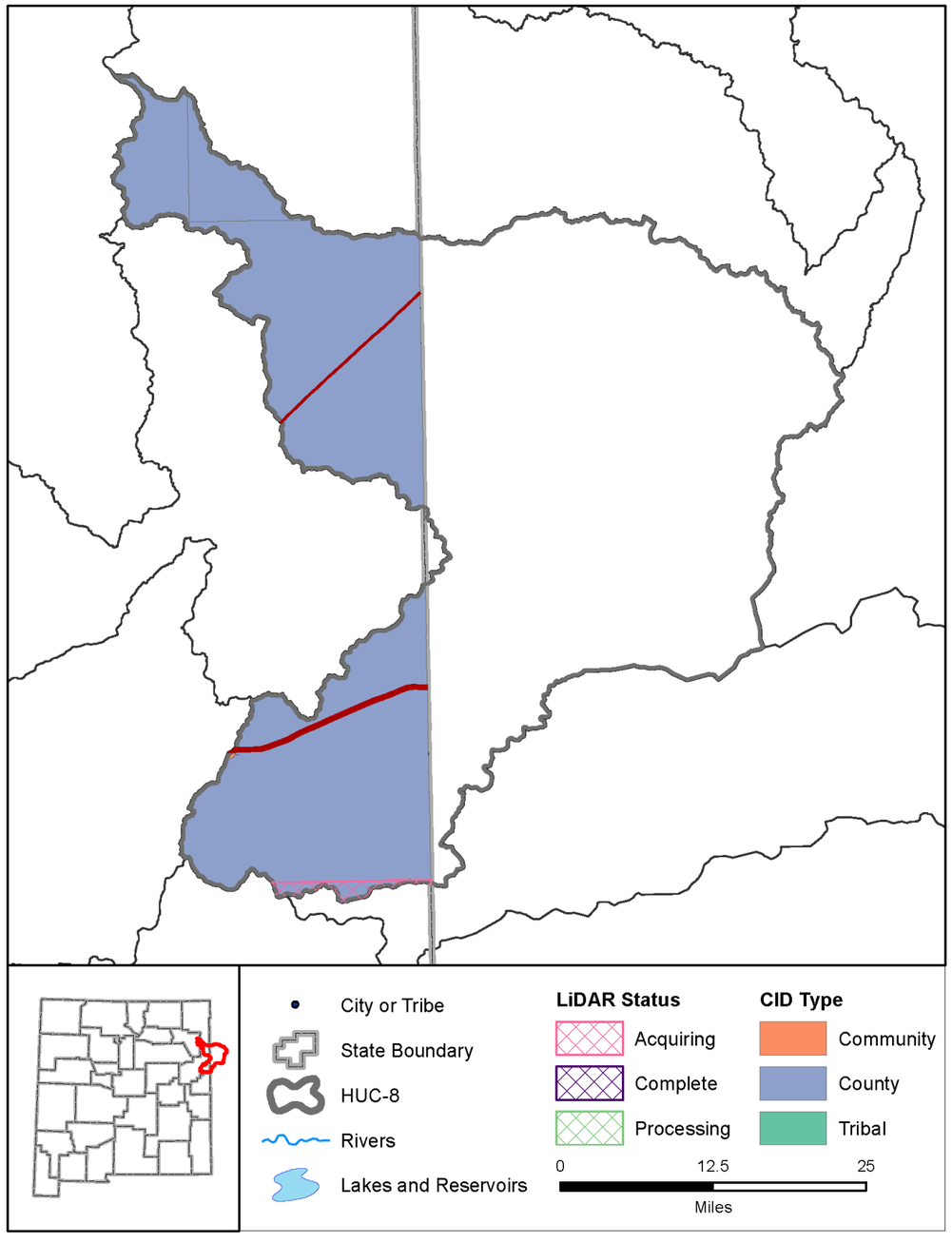
Rockfalls & Topples	1
Escarpments & Landslide Scarps	21

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	3
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	25



Middle Canadian-Trujillo

Description

The Middle Canadian-Trujillo watershed is home to approximately 1,000 people along the northeastern border of New Mexico. The watershed contains several mesas and arroyos. The primary hydrographic feature is the Canadian River. There is no FHBM or FIRM data for the watershed. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small section of the southern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Harding, Quay, Union

Communities

San Jon

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

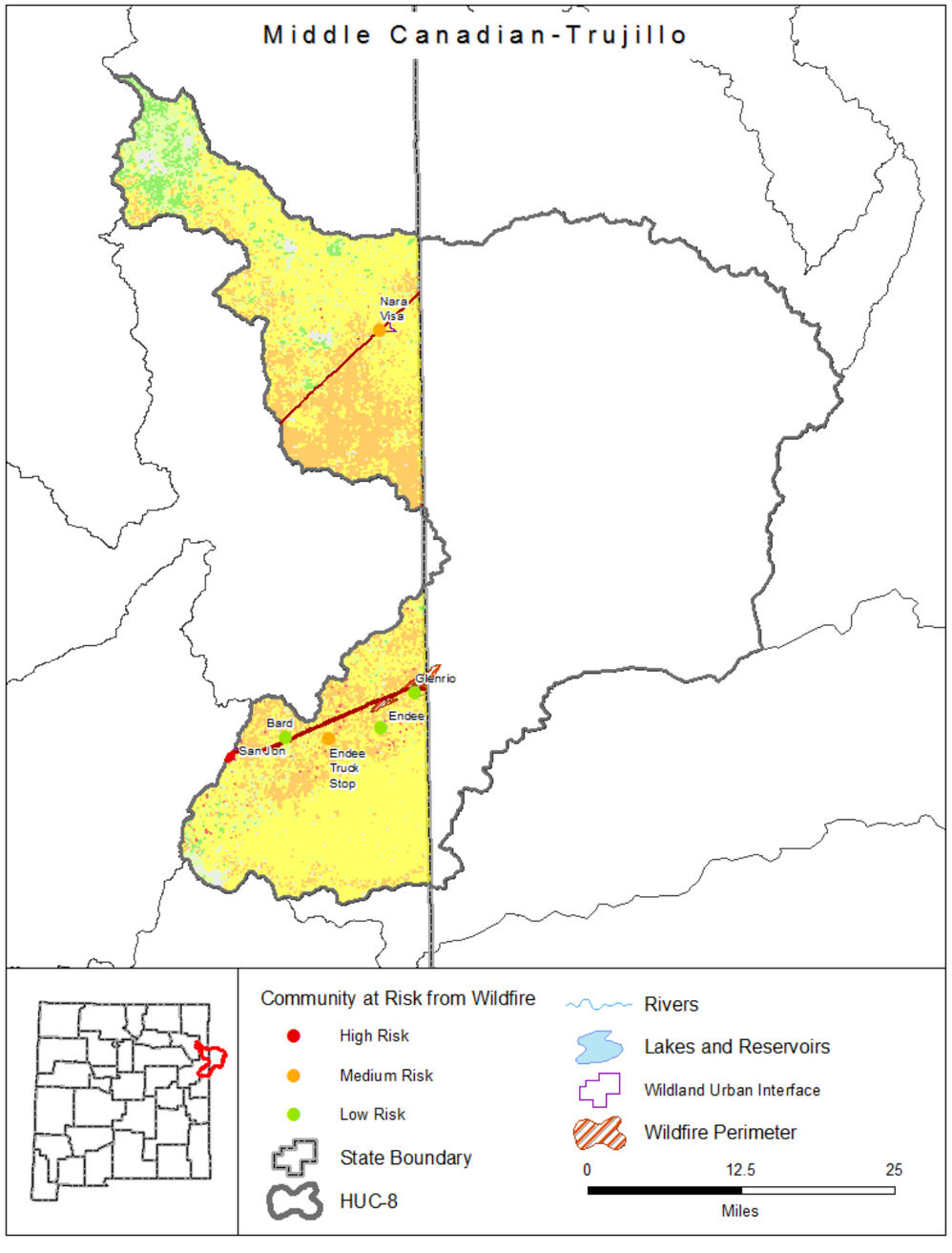
Watershed 11090101

Watershed Characteristics	
Area (sq mi)	1,851
Population in NM	1,061
CNMS Streams (mi)	1
Maximum Elevation (feet)	5,116
Minimum Elevation (feet)	3,513
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	37.91 %
Private	90.73 %
State	9.25 %
Tribal	0 %
Federal	0 %
States	NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	3
NFIP Policies	2
Policies within the SFHA	0
Policies outside of the SFHA	2
NFIP Premium Total	$ 499
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Middle Canadian-Trujillo

Risk Rank: High

Description

The Middle Canadian-Trujillo watershed is at high risk of wildfire and the community of San Jon was identified as high risk in the local Community Wildfire Protection Plan. A total of 1,547 acres have burned during 4 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small section of the southern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Harding, Quay, Union

Communities

San Jon

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

San Jon

Watershed 11090101

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	4%
Low	10%
Moderate	59%
High	24%
Very High	0%
Non-Burnable	2%
Water	0%

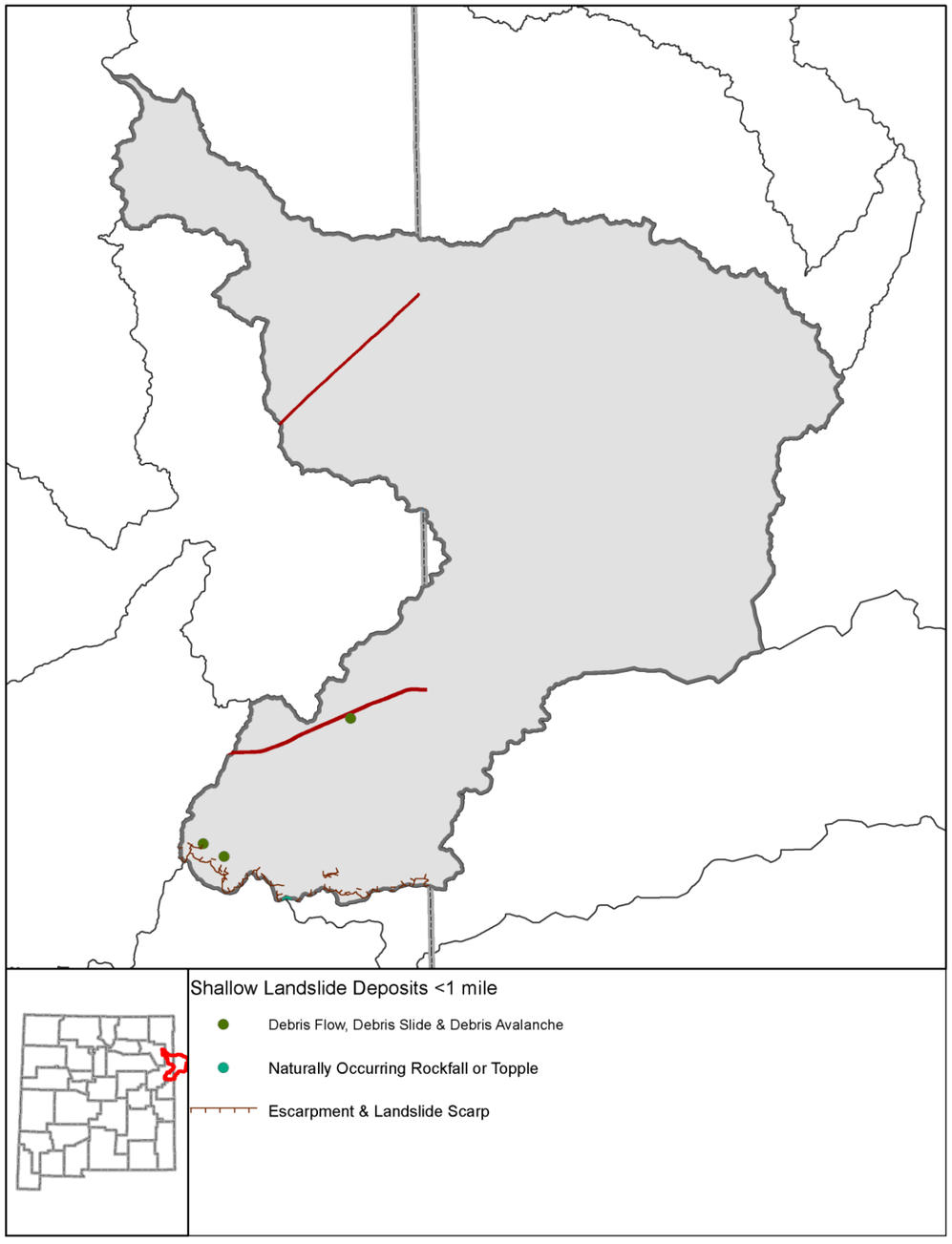
Watershed Characteristics	
Wildfires 2006-2016	4
Acres Burned 2006-2016	1,547

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.02%
Intermix	0.1%
	Acres
Interface	70
Intermix	465
WUI Addressed Structures	26

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	2
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Middle Canadian-Trujillo

Risk Rank: Low

Description

The Middle Canadian-Trujillo watershed is at low risk of landslide processes.

Lidar Data Availability

FEMA collected USGS QL2 Lidar in 2017.

Counties

Curry, Harding, Quay, Union

Communities

San Jon

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	702	38%

Watershed 11090101

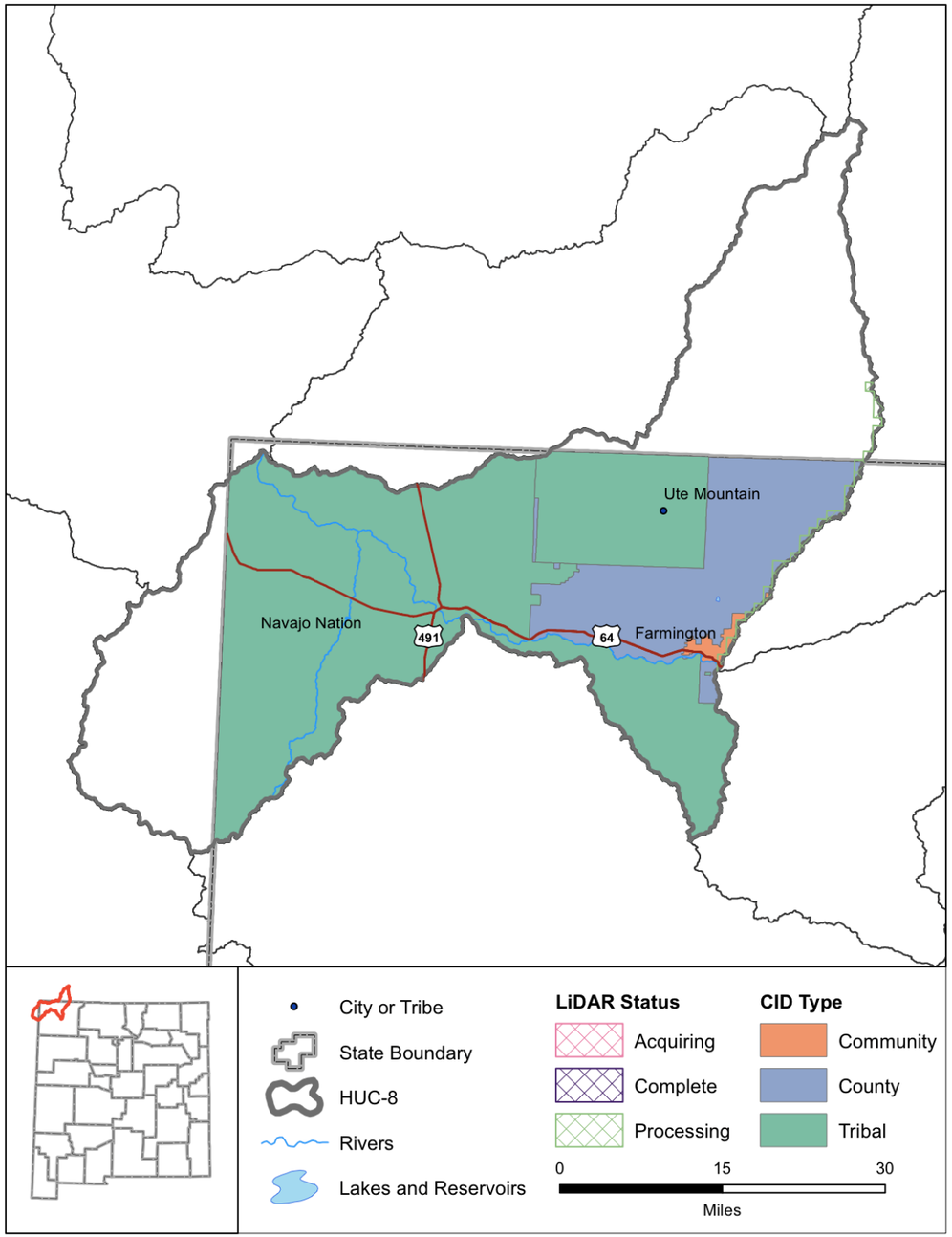
Rockfalls & Topples	0
Escarpments & Landslide Scarps	7

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	3
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	10



Middle San Juan

Description

The Middle San Juan watershed is home to approximately 40,000 people in New Mexico and is located on the northwestern border of the state. Approximately 64% of the watershed is located in New Mexico and is primarily tribal land. The watershed has significant topographic relief resulting from the Carrizo and Ute Mountains. The San Juan River is the primary hydrologic feature with smaller intermittent tributaries. FIRM data is fairly extensive within the watershed except within tribal land. Lidar data is not available for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

San Juan

Communities

Farmington

Tribal Nations

Navajo Nation, Ute Mountain Reservation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066987.pdf

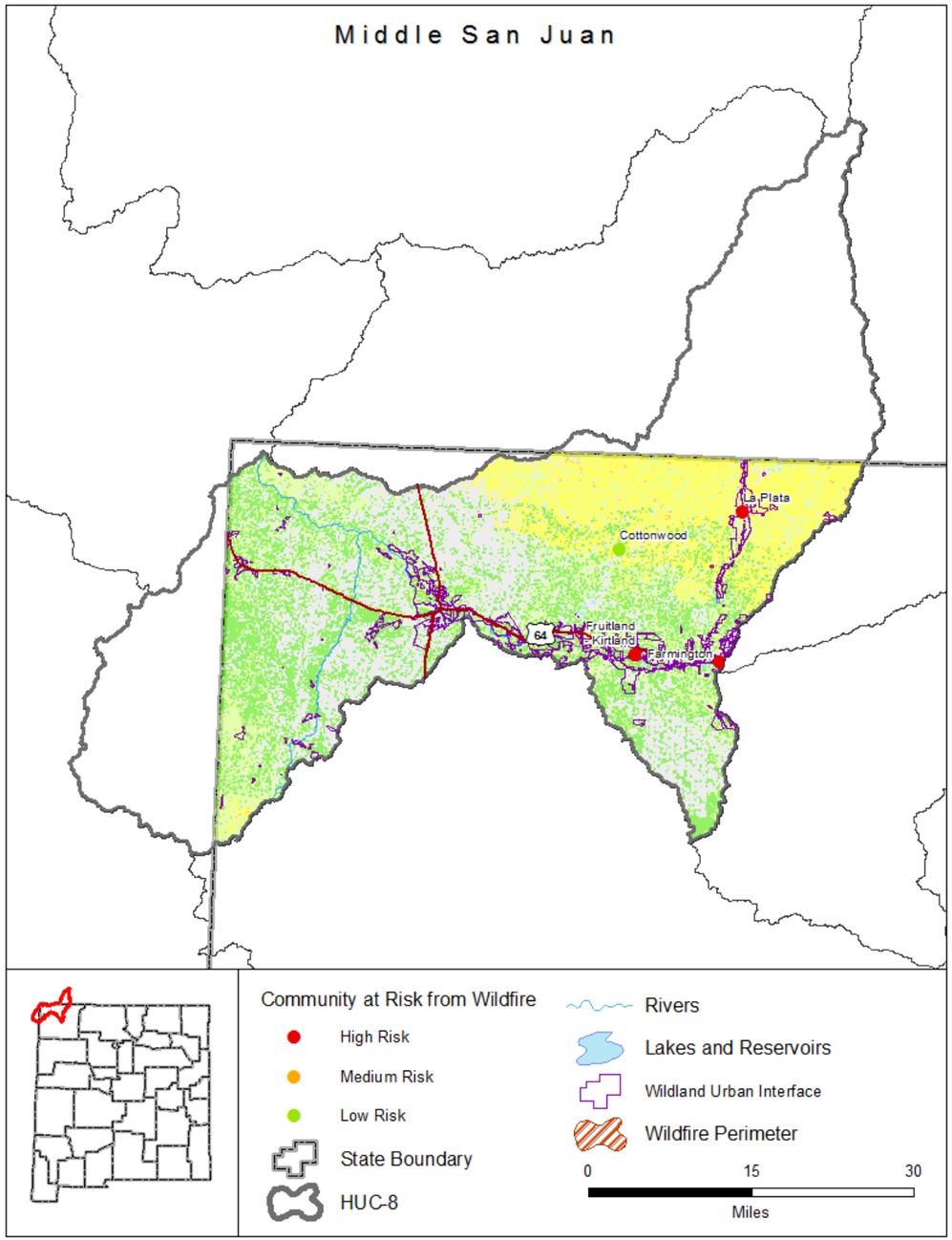
Watershed 14080105

Watershed Characteristics	
Area (sq mi)	1,948
Population in NM	38,977
CNMS Streams (mi)	210
Maximum Elevation (feet)	9,419
Minimum Elevation (feet)	4,616
High Hazard Potential Dams	3
Significant Hazard Potential Dams	8
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	63.34 %
Private	9.92 %
State	1.81 %
Tribal	76.59 %
Federal	11.68 %
States	AZ, CO, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	4
NFIP Communities	2
NFIP Policies	55
Policies within the SFHA	19
Policies outside of the SFHA	36
NFIP Premium Total	$ 39,098
NFIP Claims	9
Claims within the SFHA	1
Claims outside of the SFHA	8
Paid Claims	$ 15,353
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Middle San Juan

Risk Rank: Low

Description

The Middle San Juan watershed is at low risk of wildfire. Farmington, Fruitland - Kirtland, and La Plata were identified as high risk in the local Community Wildfire Protection Plan. The BLM anticipates collecting lidar in FY 2017 for a portion of the east central part of the watershed.

Lidar Data Availability

The BLM anticipates collecting USGS QL2 lidar in FY 2017 for a portion of the east central part of the watershed.

Counties

San Juan

Communities

Farmington

Tribal Nations

Navajo Nation, Ute Mountain Reservation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Farmington, Fruitland - Kirtland, La Plata

Watershed 14080105

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	30%
Low	20%
Moderate	18%
High	0%
Very High	0%
Non-Burnable	31%
Water	1%

Watershed Characteristics

Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	3.1%
Intermix	3.81%
	Acres
Interface	24,461
Intermix	30,051
WUI Addressed Structures	439

Communities at Risk from Wildland Fire

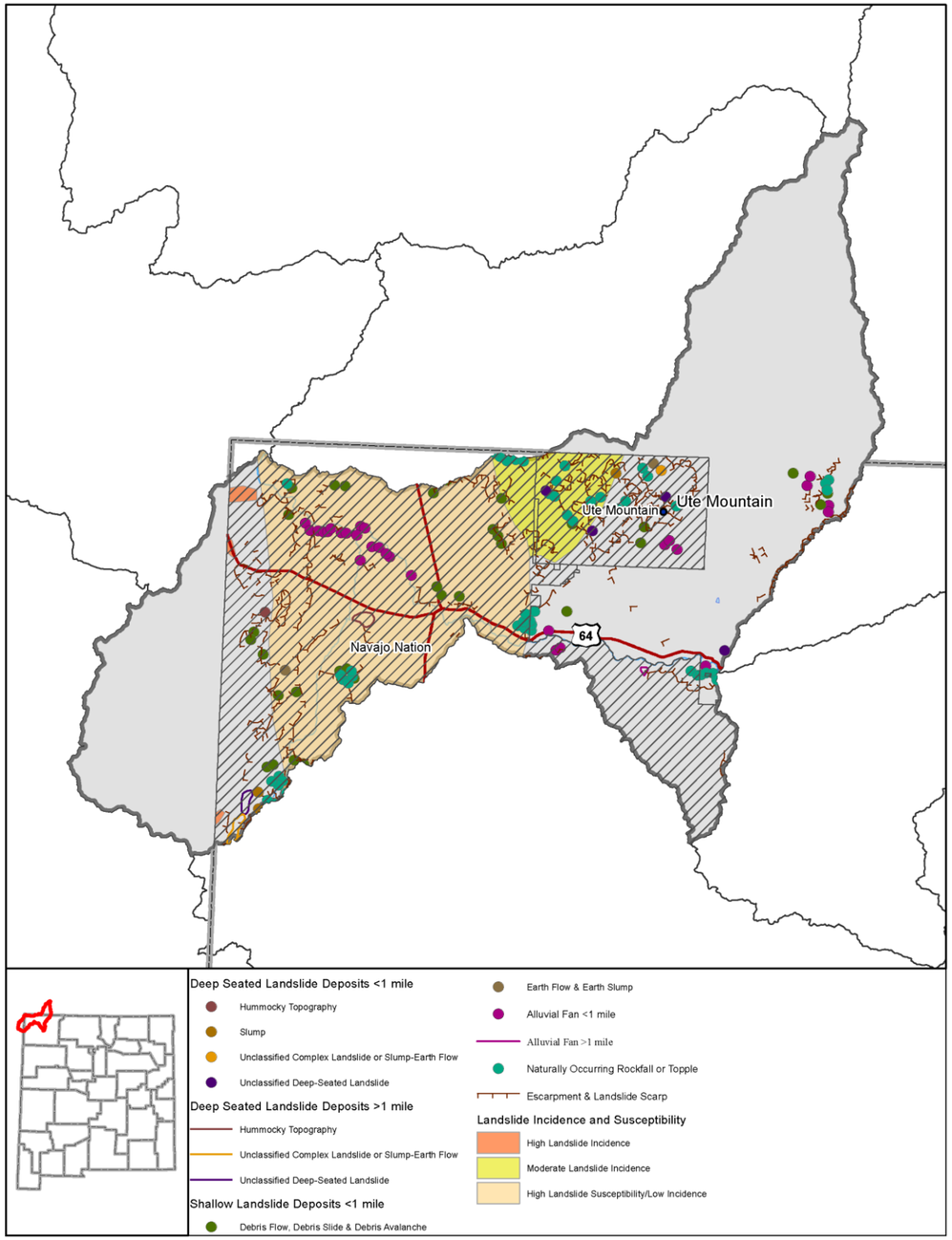
High Risk	3
Medium Risk	0
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	3,840



Middle San Juan

Risk Rank: Low

Description

The Arroyo Chico watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017 for small portions of the watershed in the south and west.

Counties

Cibola, McKinley, Sandoval

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	16	1%
High susceptibility to landsliding and low incidence	189	14%
Total	1376	100%

Watershed 14080105

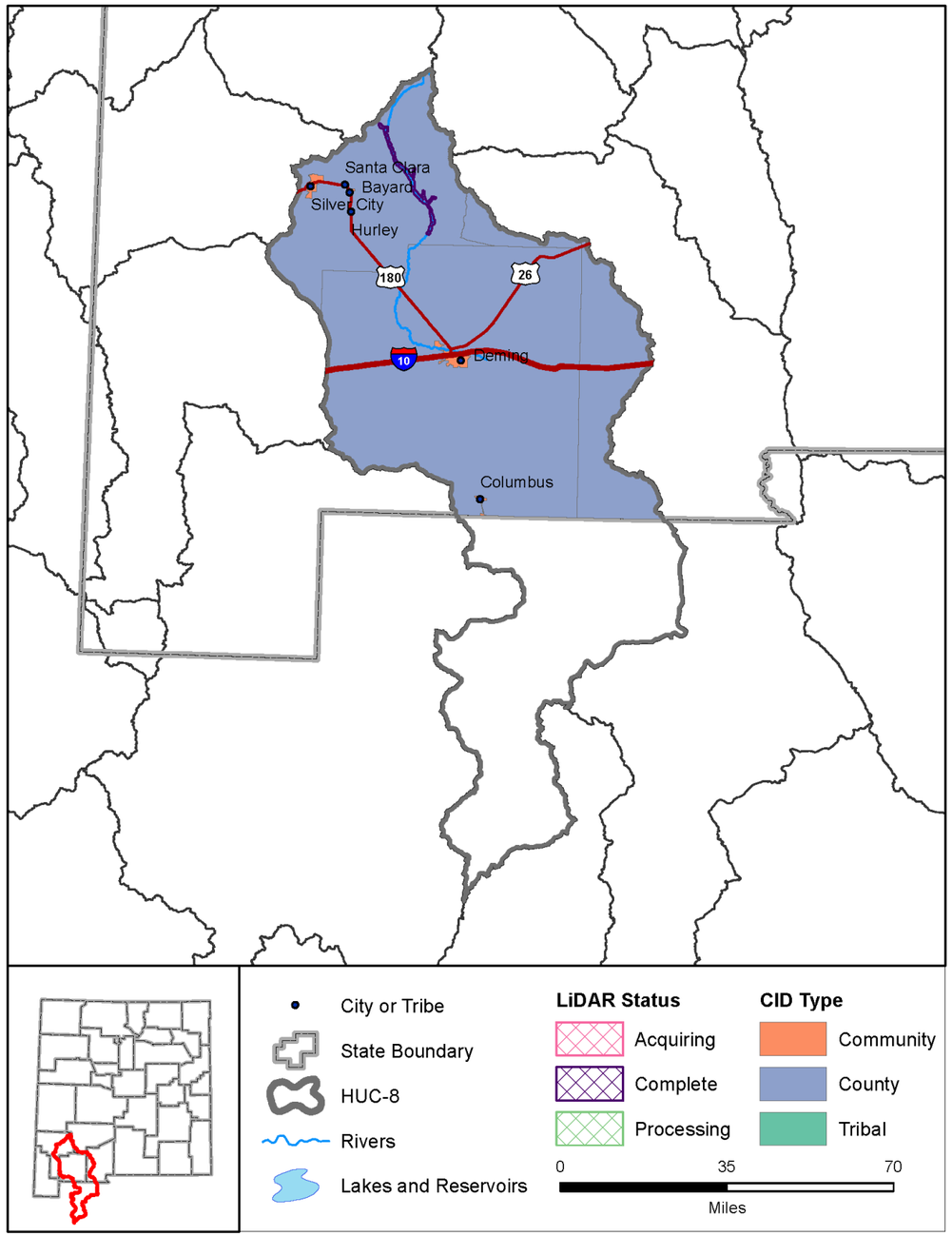
Rockfalls & Topples	21
Escarpments & Landslide Scarps	192

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	4
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	16
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	13
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	5
>1 mile	23
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	2
Total	280



Mimbres

Description

The Mimbres watershed is home to approximately 56,000 people along the southern border of New Mexico. There is significant topographic relief from the Mogollon and Black Range Mountains. The Mimbres River is the major hydrologic feature. There is extensive FIRM data in Luna and Grant Counties but none in Dona Ana. FHBM data is available in Sierra County. There is limited lidar available for the Silver Fire from the USACE. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

The USACE collected post-wildfire lidar data for the Silver Fire in 2013.

Counties

Dona Ana, Grant, Luna, Sierra

Communities

Bayard, Columbus, Deming, Hurley, Santa Clara, Silver City

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067313.pdf

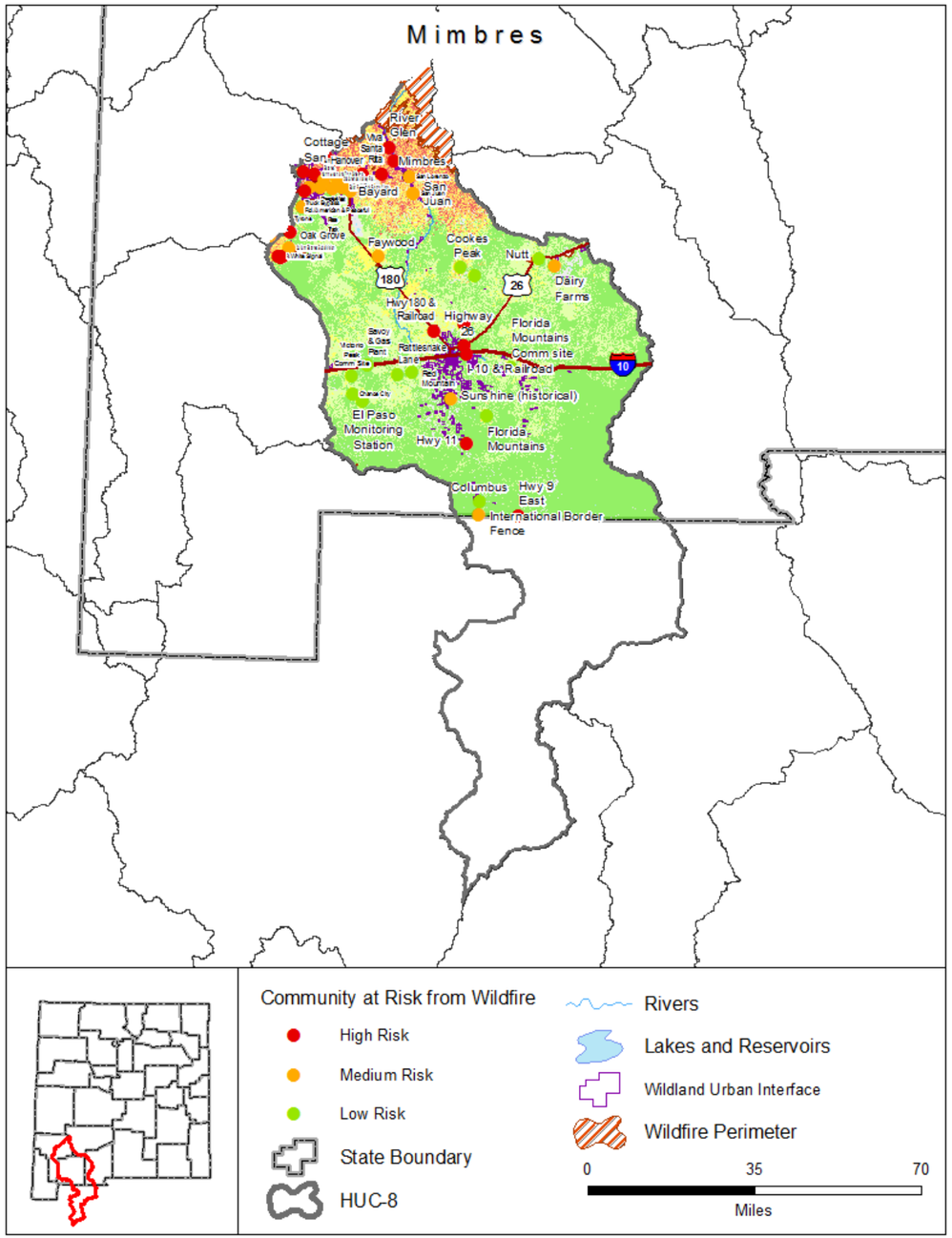
Watershed 13030202

Watershed Characteristics	
Area (sq mi)	6,686
Population in NM	56,130
CNMS Streams (mi)	1,627
Maximum Elevation (feet)	10,212
Minimum Elevation (feet)	3,944
High Hazard Potential Dams	3
Significant Hazard Potential Dams	3
Low Hazard Potential Dams	11

Ownership	
Percent in New Mexico	67.71 %
Private	35.61 %
State	23.76 %
Tribal	0 %
Federal	40.63 %
States	NM, MX

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	10
NFIP Communities	8
NFIP Policies	112
Policies within the SFHA	59
Policies outside of the SFHA	53
NFIP Premium Total	$ 92,908
NFIP Claims	11
Claims within the SFHA	7
Claims outside of the SFHA	4
Paid Claims	$ 202,536
Repetitive Loss Structures	1
Repetitive Loss Claims	2
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 88,421



Mimbres

Risk Rank: High

Description

The Mimbres watershed is at high risk of wildfire. The communities of Chisolm Ranch Subdivision, Cottage San, Hanover, Highway 26, Hwy 11, Hwy 180 & Railroad, Hwy 9 East, I-10 & Railroad, Mimbres, North Swan and Dos Griegos, Oak Grove, Paradise Acres I, Paradise Acres II, River Glen, Truck Bypass Rd./American & Peaceful, Viva Santa Rita, and White Signal were identified as high risk in the local Community Wildfire Protection Plan. A total of 83,084 acres have burned during 70 wildfire events over the last ten years.

Lidar Data Availability

The USACE collected post-wildfire lidar data for the Silver Fire in 2013.

Counties

Dona Ana, Grant, Luna, Sierra

Communities

Bayard, Columbus, Deming, Hurley, Santa Clara, Silver City

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Chisolm Ranch Subdivision, Cottage San, Hanover, Highway 26, Hwy 11, Hwy 180 & Railroad, Hwy 9 East, I-10 & Railroad, Mimbres, North Swan and Dos Griegos, Oak Grove, Paradise Acres I, Paradise Acres II, River Glen, Truck Bypass Rd./American & Peaceful, Viva Santa Rita, White Signal

Watershed 13030202

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	53%
Low	26%
Moderate	7%
High	6%
Very High	4%
Non-Burnable	3%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	70
Acres Burned 2006-2016	83,084

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.26%
Intermix	2.35%
	Acres
Interface	7,460
Intermix	67,952
WUI Addressed Structures	1153

Communities at Risk from Wildland Fire

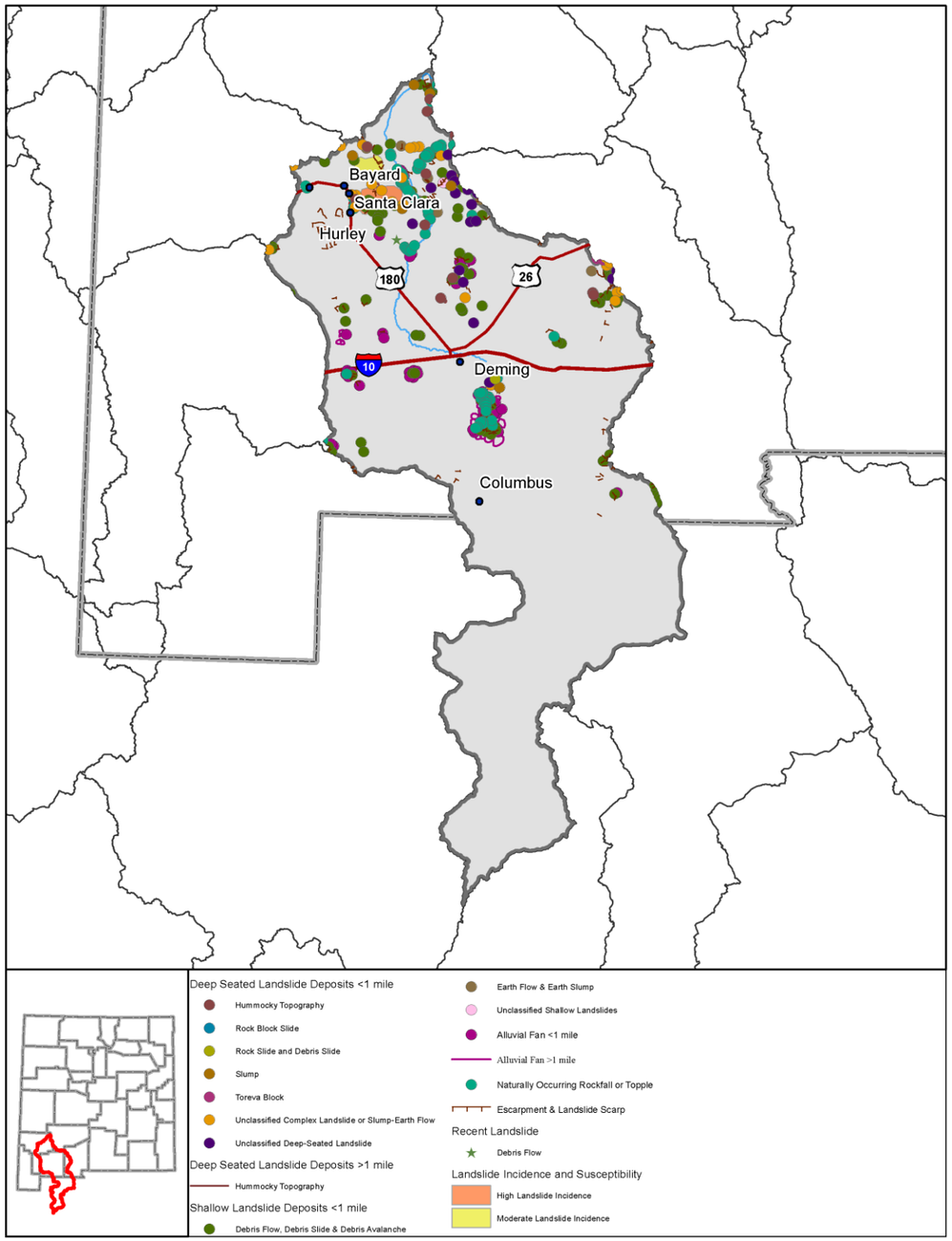
High Risk	18
Medium Risk	18
Low Risk	12

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	7
Very High Priority	4

Vegetation Treatments 2006-2016

Acres Treated	104,320



Mimbres

Risk Rank: Medium

Description

The Mimbres watershed is at medium risk of landslide processes.

Lidar Data Availability

The USACE collected post-wildfire Lidar data for the Silver Fire in 2013.

Counties

Dona Ana, Grant, Luna, Sierra

Communities

Bayard, Columbus, Deming, Hurley, Santa Clara, Silver City

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	35	1%
High susceptibility to landsliding and low incidence	0	0%
Total	4526	68%

Watershed 13030202

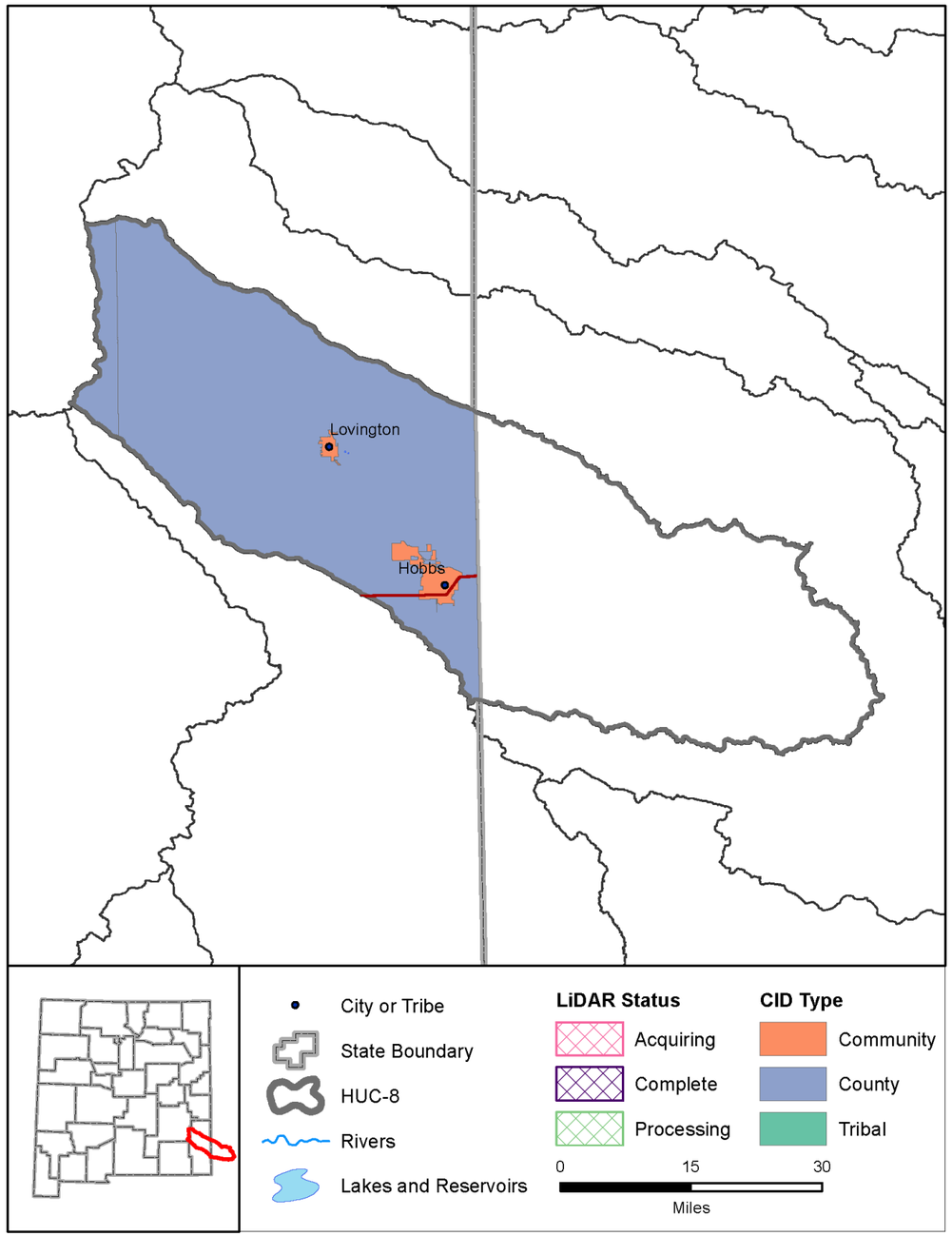
Rockfalls & Topples	76
Escarpments & Landslide Scarps	153

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	7
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	83
Alluvial Fan < 1mile	41
Alluvial Fan >1 mile	21
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	6
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	1
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	14
>1 mile	0
Hummocky Topography	
<1 mile	10
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	21
>1 mile	0
Total	447



Monument-Seminole Draws

Description

The Monument-Seminole Draws watershed is home to approximately 53,000 people along the southeastern border of New Mexico. The watershed primarily consists of oil fields within the eastern plains. The watershed contains several intermittend ponds/lakes. There is no FIRM or FHBM data outside of Hobbs and Livingston. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lea

Communities

Hobbs, Lovington

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067967.pdf

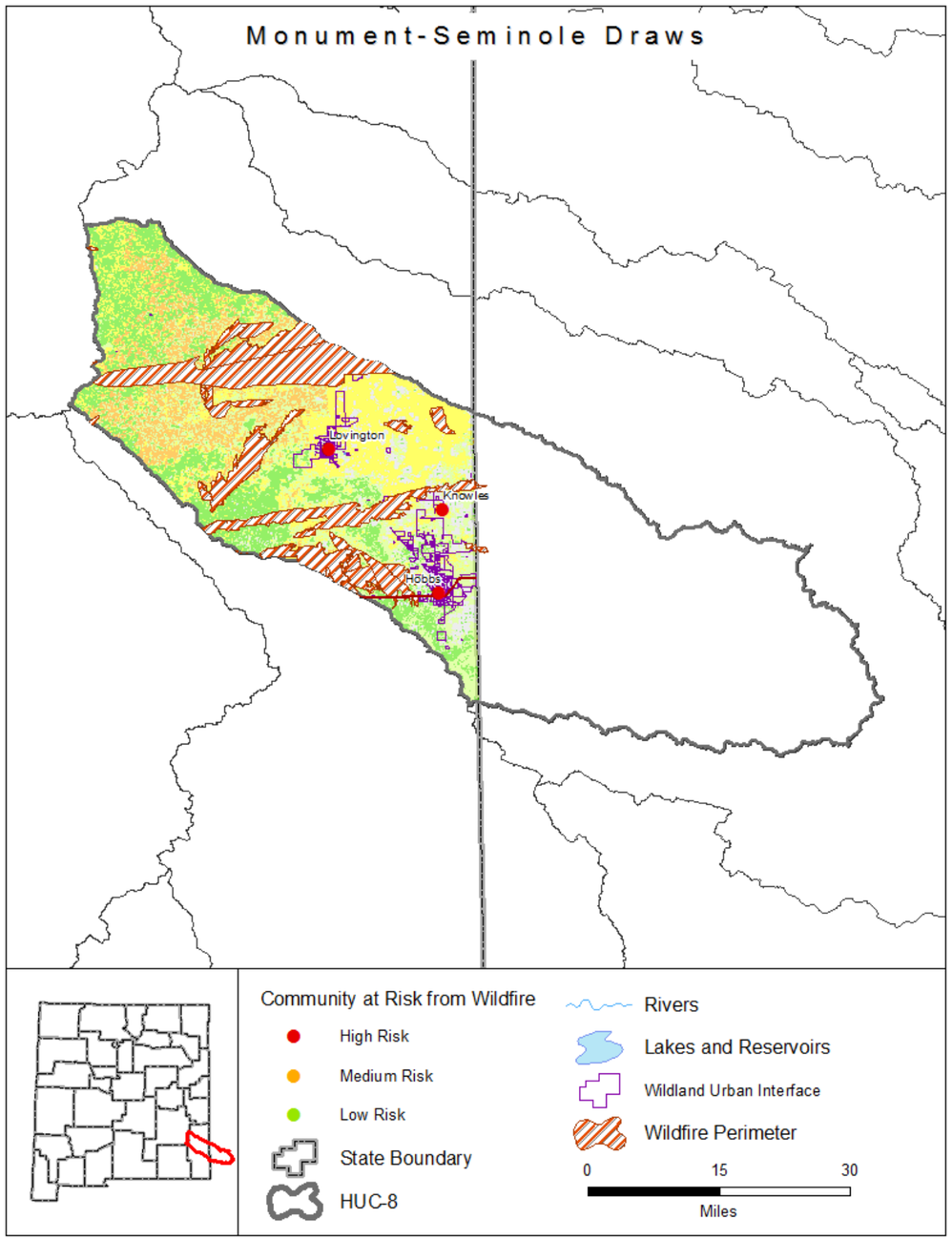
Watershed 12080003

Watershed Characteristics	
Area (sq mi)	2,409
Population in NM	53,139
CNMS Streams (mi)	168
Maximum Elevation (feet)	4,489
Minimum Elevation (feet)	3,514
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	52.47 %
Private	59.7 %
State	39.99 %
Tribal	0 %
Federal	0.31 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	4
NFIP Communities	4
NFIP Policies	948
Policies within the SFHA	903
Policies outside of the SFHA	45
NFIP Premium Total	$ 538,205
NFIP Claims	175
Claims within the SFHA	146
Claims outside of the SFHA	29
Paid Claims	$ 769,339
Repetitive Loss Structures	11
Repetitive Loss Claims	28
Rep Loss Structures within SFHA	10
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 229,236



Monument-Seminole Draws

Risk Rank: High

Description

The Monument-Seminole Draws watershed is at high risk of wildfire. The communities of Hobbs, Knowles, and Lovington were identified as high risk in the local Community Wildfire Protection Plan. A total of 204,864 acres have burned during 63 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lea

Communities

Hobbs, Lovington

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Hobbs, Knowles, Lovington

Watershed 12080003

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	22%
Low	23%
Moderate	36%
High	12%
Very High	0%
Non-Burnable	8%
Water	0%

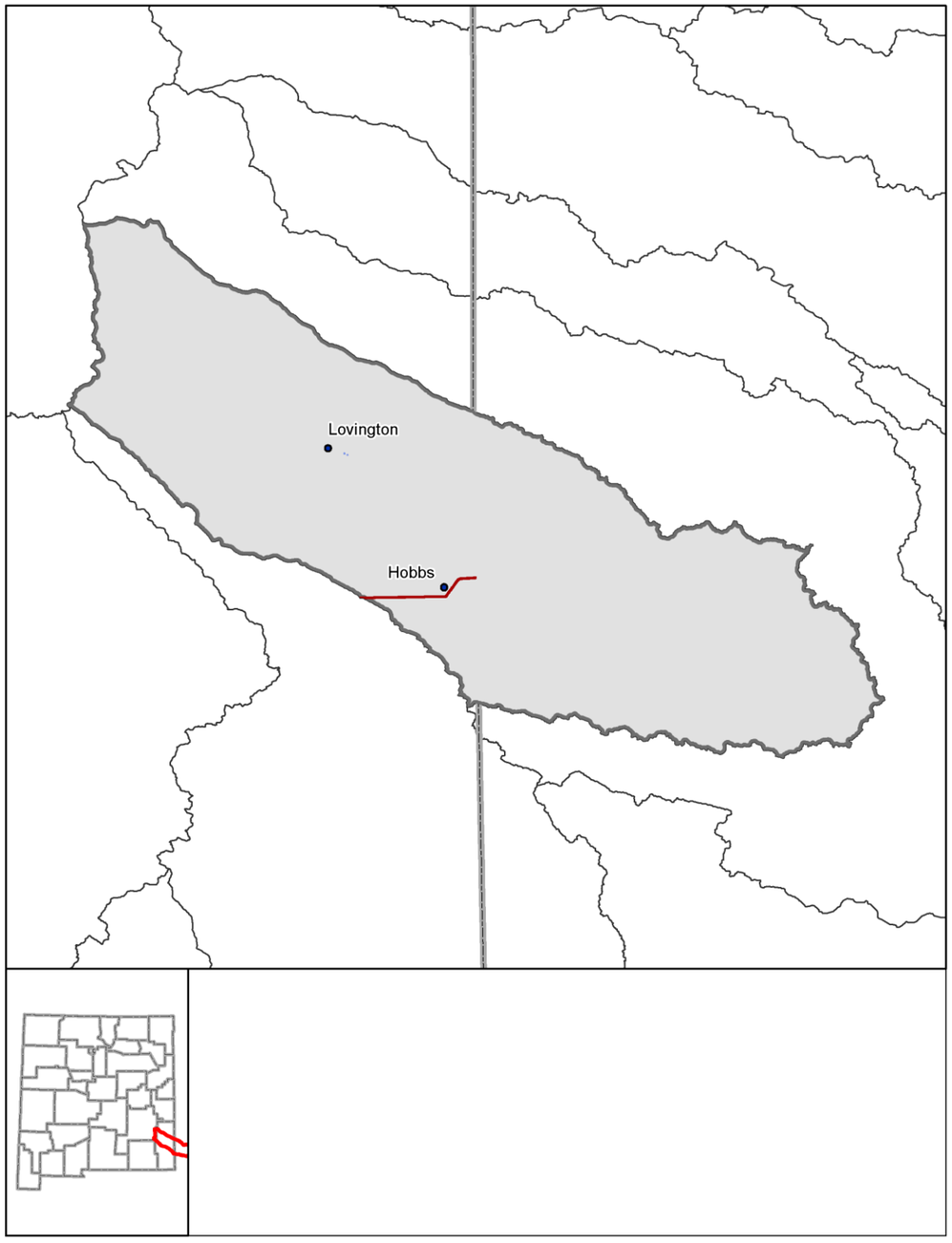
Watershed Characteristics	
Wildfires 2006-2016	63
Acres Burned 2006-2016	204,864

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	1.24%
Intermix	3.67%
	Acres
Interface	10,028
Intermix	29,638
WUI Addressed Structures	203

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	7,680



Monument-Seminole Draws

Risk Rank: None/Unknown

Description

The Monument-Seminole Draws watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Lea

Communities

Hobbs, Lovington

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1264	52%

Watershed 12080003

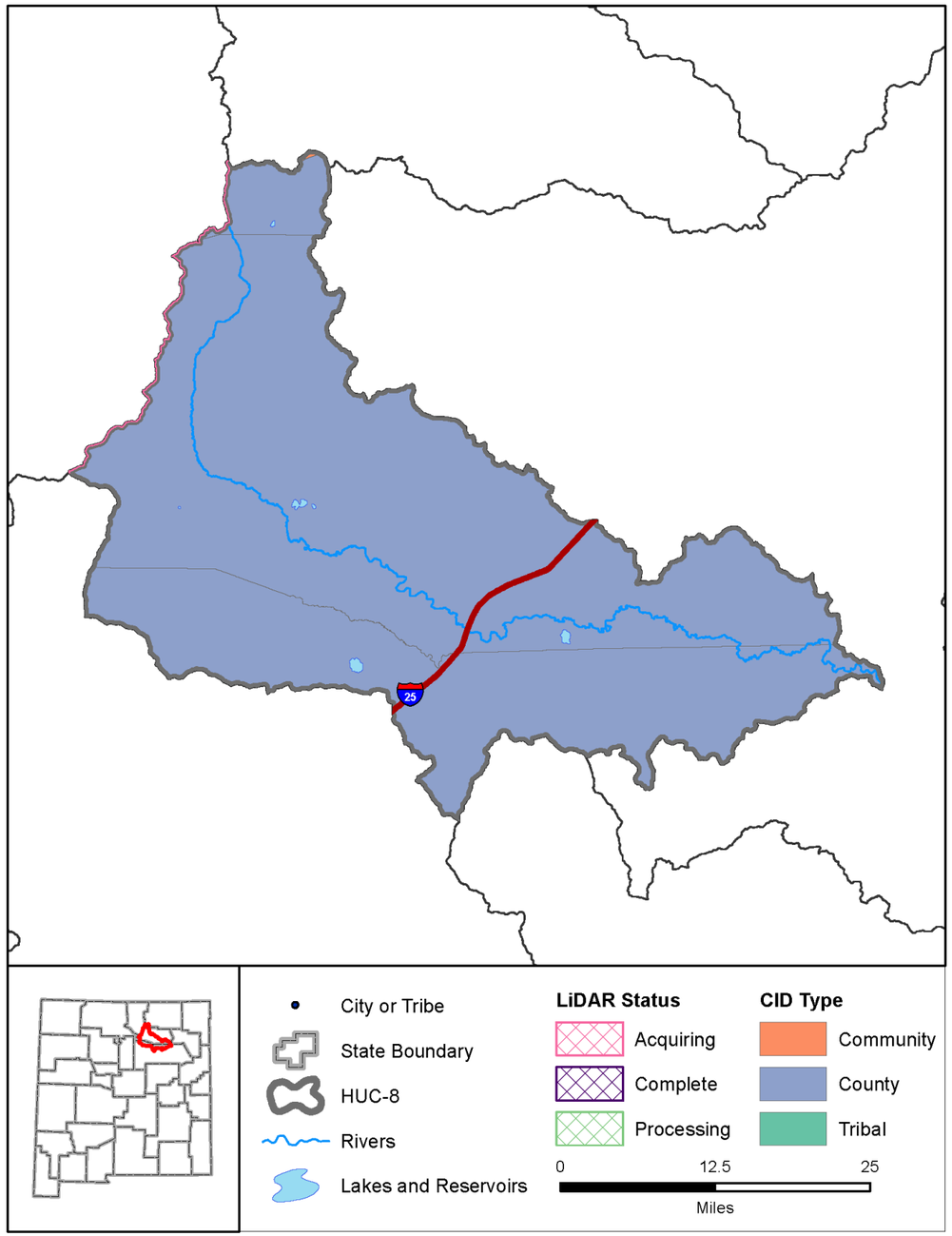
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Mora

Description

The Mora watershed is home to approximately 5,000 people in north-central New Mexico. Topographcially, the Sangre De Cristo Mountain Range runs along the western side of the watershed and it also includes the Rincon and Turkey Mountains. The primary hydrologic features include the Mora River, Sapello River, Coyote Creek, Red Lake, Lake Isabel, Lake David, and multiple creeks, tributaries, and estuaries. There is extensive FIRM data within San Miguel County and FIRM data within Mora County. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Mora, Rio Arriba, San Miguel, Taos

Communities

Angel Fire

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067278.pdf

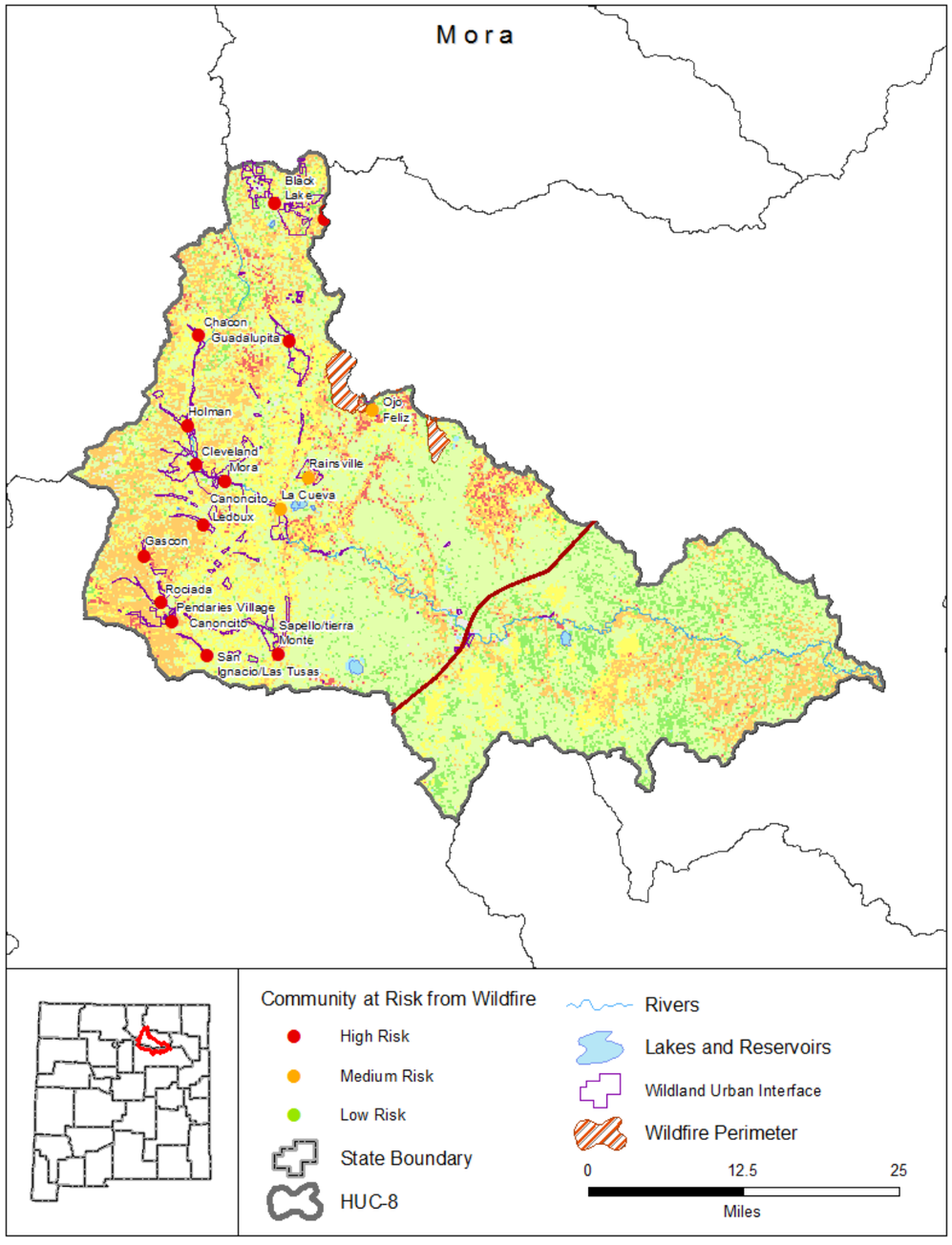
Watershed 11080004

Watershed Characteristics	
Area (sq mi)	1,456
Population in NM	5,248
CNMS Streams (mi)	605
Maximum Elevation (feet)	12,644
Minimum Elevation (feet)	4,627
High Hazard Potential Dams	1
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	4

Ownership	
Percent in New Mexico	100 %
Private	88.69 %
State	3.38 %
Tribal	0 %
Federal	7.93 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	6
NFIP Communities	6
NFIP Policies	7
Policies within the SFHA	0
Policies outside of the SFHA	7
NFIP Premium Total	$ 5,188
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Mora

Risk Rank: High

Description

The Mora watershed is at high risk of wildfire. The communities of Black Lake, Chacon, Cleveland, Gascon, Guadalupita, Hidden Lake, Holman, Ledoux, Mora, Pendaries Village, Rociada, San Ignacio/Las Tusas, and Sapello/Tierra Monte were identified as high risk in the local Community Wildfire Protection Plan. A total of 7,941 acres have burned during 2 wildfire events over the last ten years. Lidar data will be collected in FY 2017 by NRCS.

Lidar Data Availability

USGS Quality Level 2 lidar data will be collected in FY 2017 by NRCS.

Counties

Colfax, Mora, Rio Arriba, San Miguel, Taos

Communities

Angel Fire

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Black Lake, Chacon, Cleveland, Gascon, Guadalupita, Hidden Lake, Holman, Ledoux, Mora, Pendaries Village, Rociada, San Ignacio/Las Tusas, Sapello/Tierra Monte

Watershed 11080004

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	10%
Low	51%
Moderate	18%
High	17%
Very High	3%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	2
Acres Burned 2006-2016	7,941

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.14%
Intermix	3.11%
	Acres
Interface	1,260
Intermix	29,022
WUI Addressed Structures	266

Communities at Risk from Wildland Fire

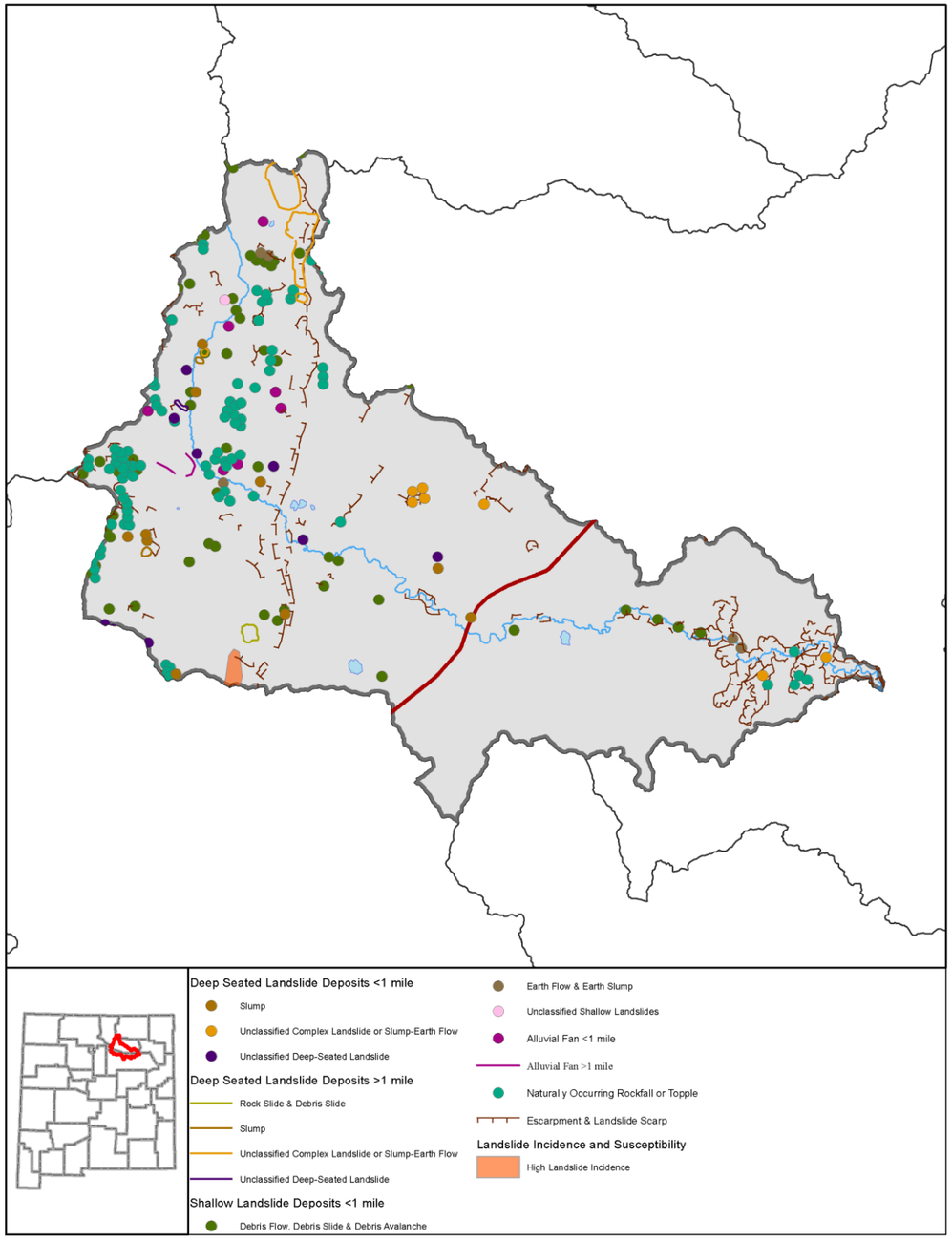
High Risk	13
Medium Risk	3
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	11
Very High Priority	6

Vegetation Treatments 2006-2016

Acres Treated	1,920



Mora

Risk Rank: Low

Description

The Mora watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS collected USGS Quality Level 2 Lidar data was collected in 2016.

Counties

Colfax, Mora, Rio Arriba, San Miguel, Taos

Communities

Angel Fire

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	3	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1456	100%

Watershed 11080004

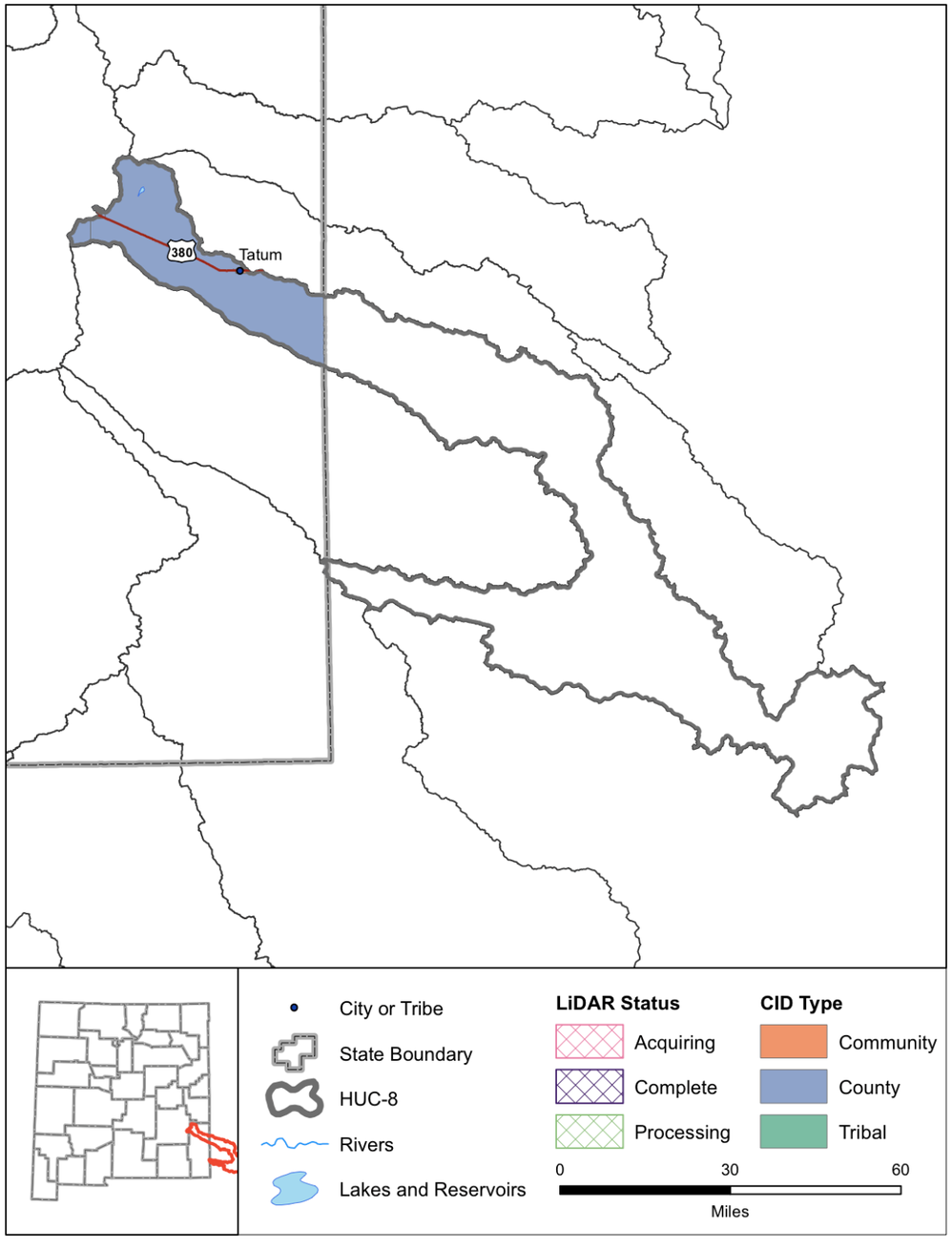
Rockfalls & Topples	86
Escarpments & Landslide Scarps	110

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	5
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	49
Alluvial Fan < 1mile	7
Alluvial Fan >1 mile	2
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	10
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	8
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	7
>1 mile	1
Total	287



Mustang Draw

Description

The Mustang Draw watershed is home to approximately 2,000 people along the southeastern border of New Mexico. The watershed is part of the Llano Estacado (Staked Plain). The primary hydrologic feature is Lane Salt Lake and there are multiple areas with intermittent ponds/lakes. There is no FIRM or FHBM data outside of Tatum. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lea

Communities

Tatum

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068317.pdf

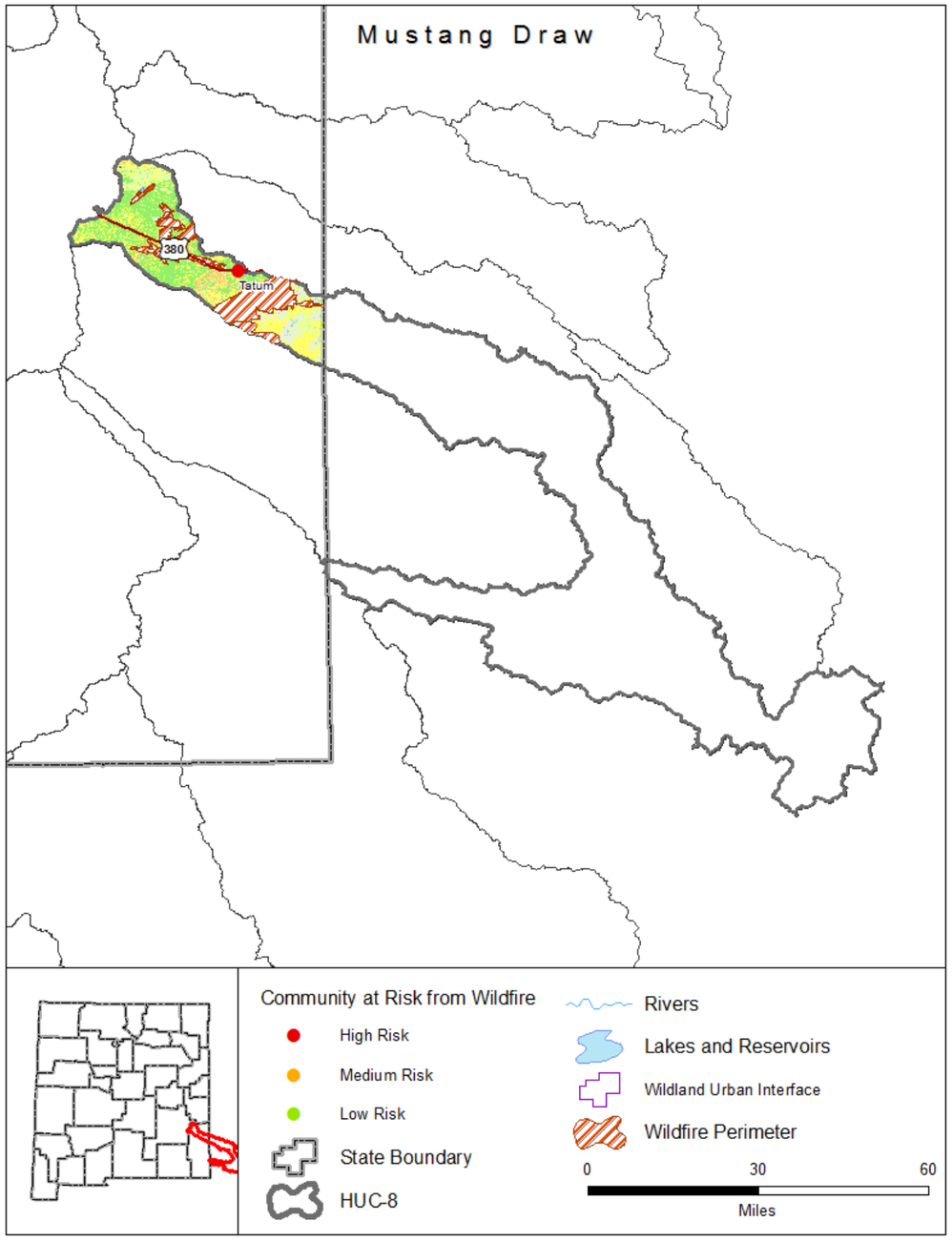
Watershed 12080004

Watershed Characteristics	
Area (sq mi)	3,108
Population in NM	1,842
CNMS Streams (mi)	3
Maximum Elevation (feet)	4,527
Minimum Elevation (feet)	3,521
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	18.15 %
Private	63.01 %
State	36.81 %
Tribal	0 %
Federal	0.16 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	13
Policies within the SFHA	13
Policies outside of the SFHA	0
NFIP Premium Total	$ 12,302
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Mustang Draw

Risk Rank: Medium

Description

The Mustang Draw watershed is at medium risk of wildfire. The community of Tatum was identified as high risk in the local Community Wildfire Protection Plan. A total of 82,855 acres have burned during 16 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Lea

Communities

Tatum

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Tatum

Watershed 12080004

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	33%
Low	15%
Moderate	40%
High	5%
Very High	0%
Non-Burnable	7%
Water	0%

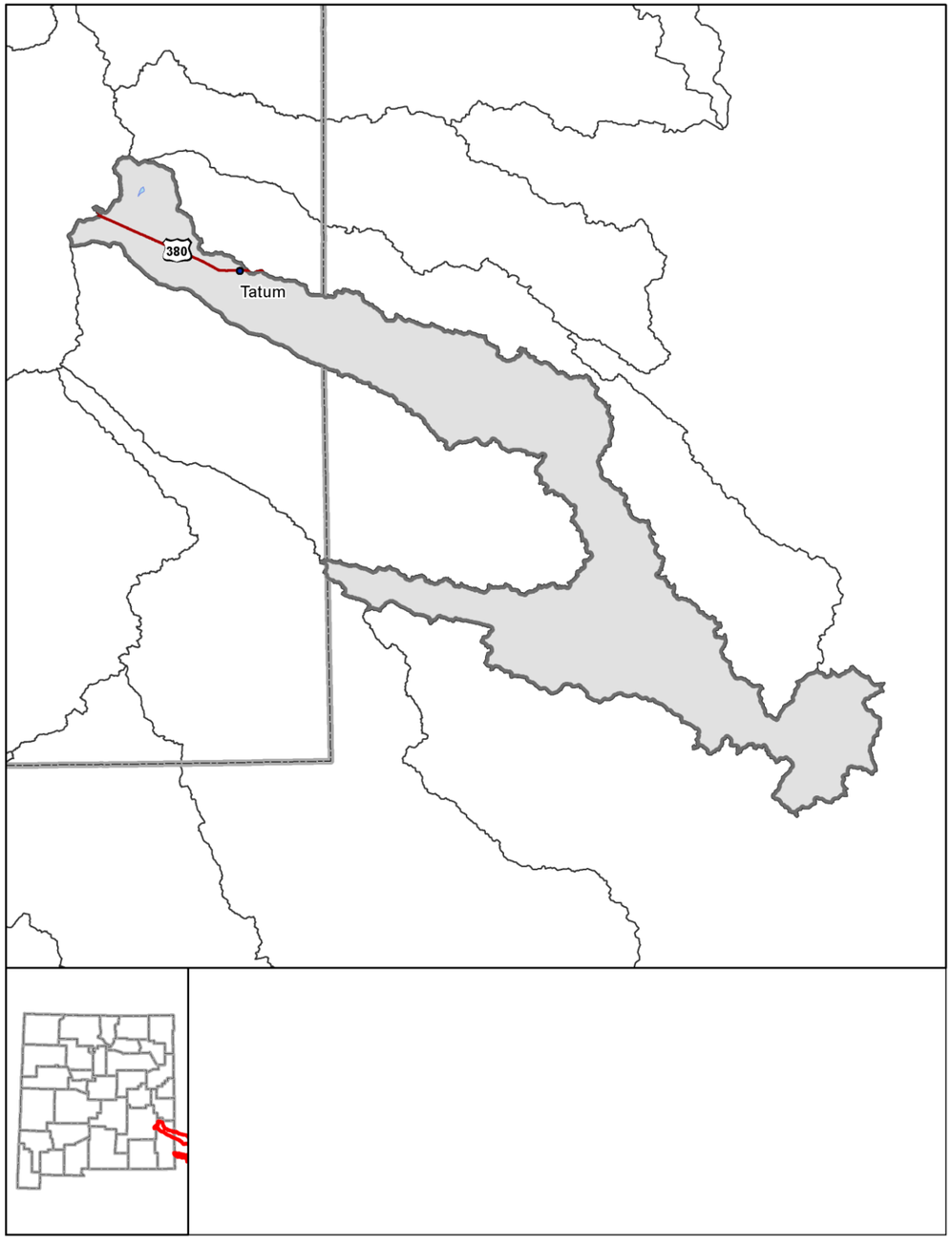
Watershed Characteristics	
Wildfires 2006-2016	16
Acres Burned 2006-2016	82,855

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.14%
Intermix	0.09%
	Acres
Interface	512
Intermix	327
WUI Addressed Structures	30

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	2,560



Mustang Draw

Risk Rank: None/Unknown

Description

The Mustang Draw watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Lea

Communities

Tatum

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	564	18%

Watershed 12080004

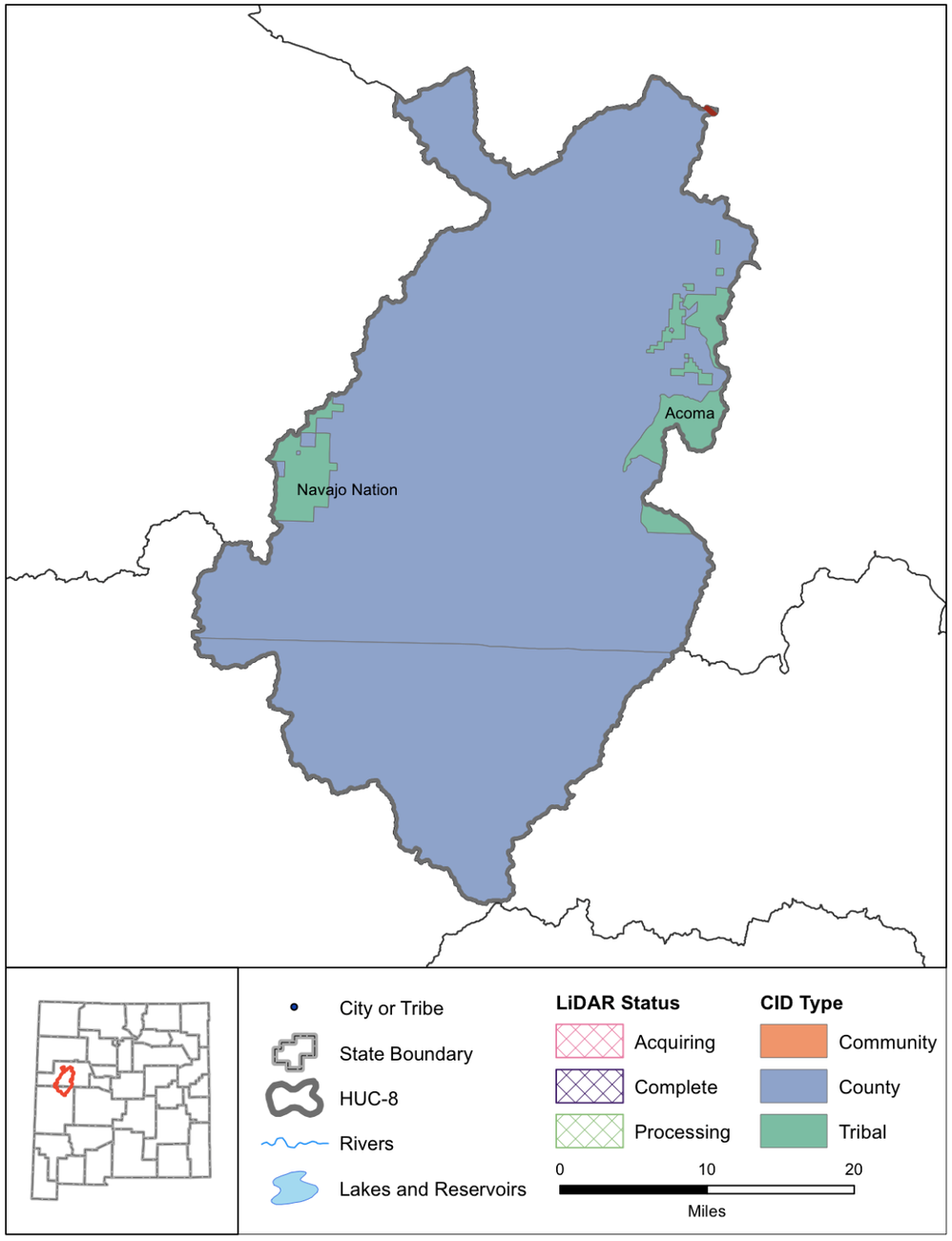
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



North Plains

Description

The North Plains watershed is home to approximately 1,300 people in western New Mexico. The watershed has significant topographic relief from Mount Taylor. Deep Water Draw is the major hydrologic feature. FIRM data is widely available throughout Cibola County but is not available in Catron or Tribal land. There is no lidar data available within the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Cibola

Communities

Grants

Tribal Nations

Navajo Nation, Acoma Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

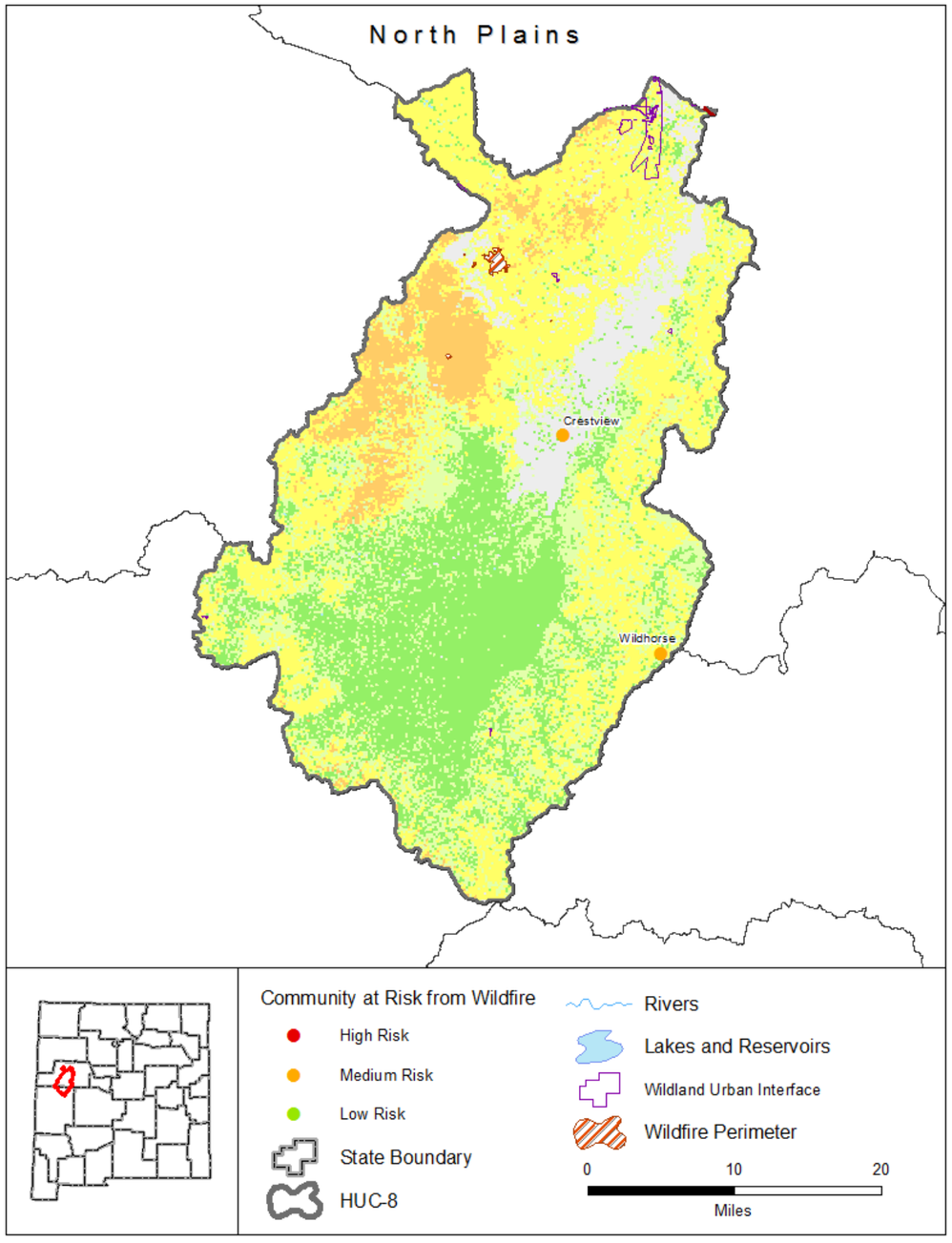
Watershed 13020206

Watershed Characteristics	
Area (sq mi)	1,209
Population in NM	1,292
CNMS Streams (mi)	224
Maximum Elevation (feet)	9,139
Minimum Elevation (feet)	6,400
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	38.21 %
State	4.68 %
Tribal	6.52 %
Federal	50.59 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	3
NFIP Policies	1
Policies within the SFHA	0
Policies outside of the SFHA	1
NFIP Premium Total	$ 390
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



North Plains

Risk Rank: Medium

Description

The North Plains watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 1,070 acres have burned during 7 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017 for small portion of the northwestern corner of the watershed.

Counties

Catron, Cibola

Communities

Grants

Tribal Nations

Navajo Nation, Acoma Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13020206

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	25%
Low	23%
Moderate	36%
High	8%
Very High	0%
Non-Burnable	8%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	7
Acres Burned 2006-2016	1,070

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.72%
	Acres
Interface	79
Intermix	5,542
WUI Addressed Structures	41

Communities at Risk from Wildland Fire

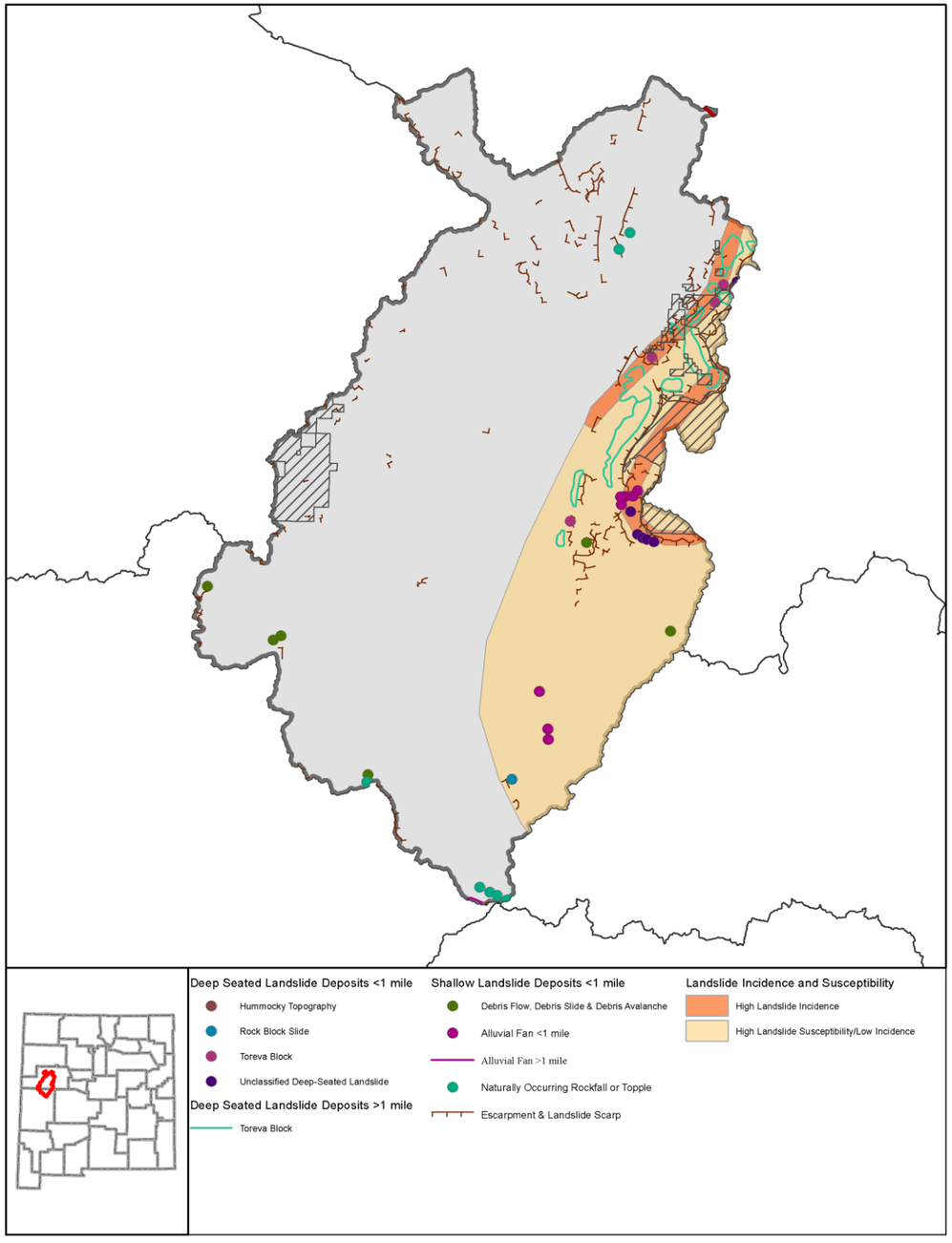
High Risk	0
Medium Risk	2
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	14
Very High Priority	1

Vegetation Treatments 2006-2016

Acres Treated	24,320



North Plains

Risk Rank: Low

Description

The North Plains watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017 for small portion of the northwestern corner of the watershed.

Counties

Catron, Cibola

Communities

Grants

Tribal Nations

Navajo Nation, Acoma Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	39	3%
High susceptibility to landsliding and low incidence	283	23%
Total	1209	100%

Watershed 13020206

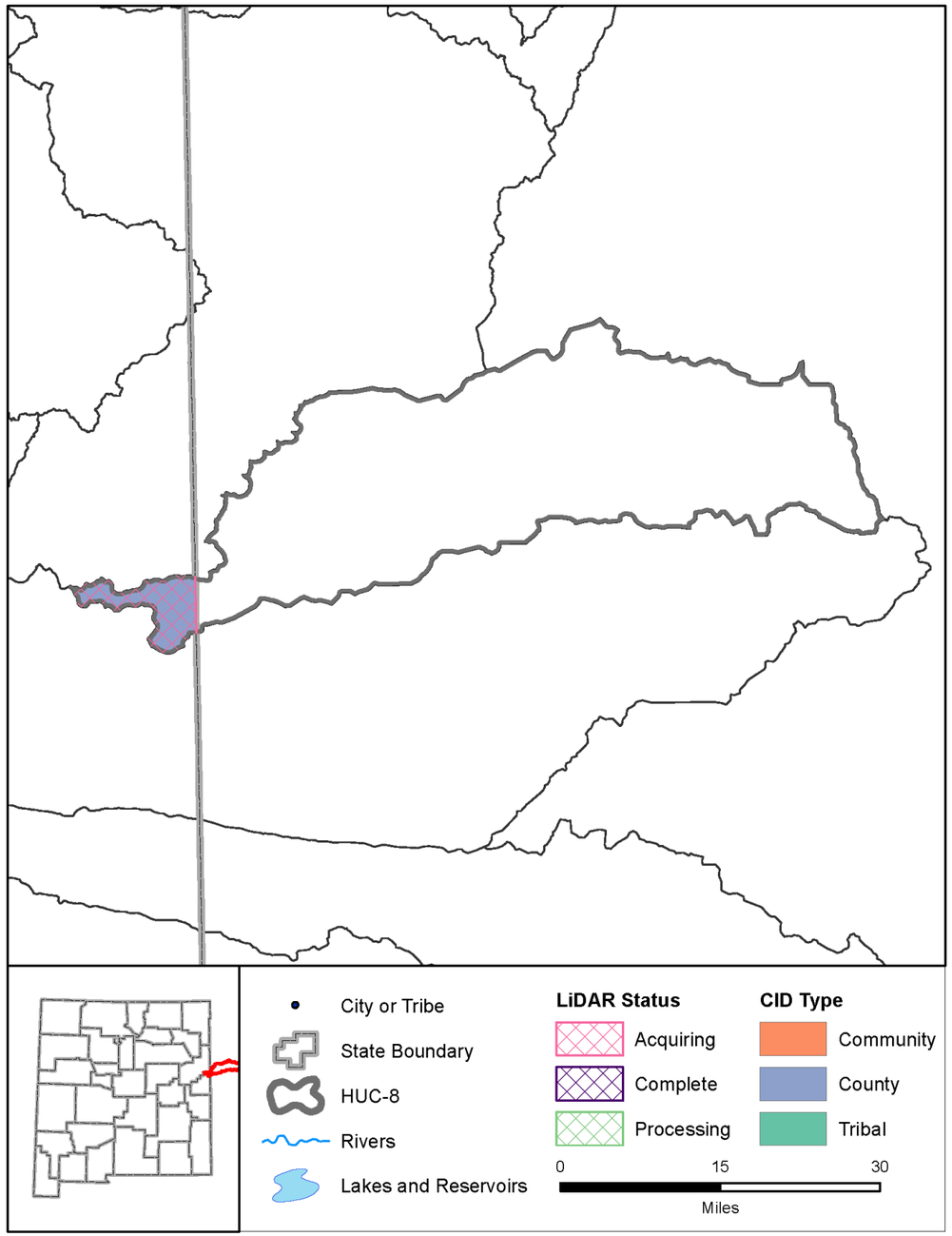
Rockfalls & Topples	7
Escarpments & Landslide Scarps	116

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	6
Alluvial Fan < 1mile	8
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	5
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	4
>1 mile	15
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	163



Palo Duro

Description

The Palo Duro watershed is home to fewer than 100 people along the eastern border of New Mexico. The watershed is part of the eastern plains. The primary hydrographic features, within New Mexico, are multiple areas with intermittent ponds/lakes. FIRM data exists within the watershed. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for part of the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

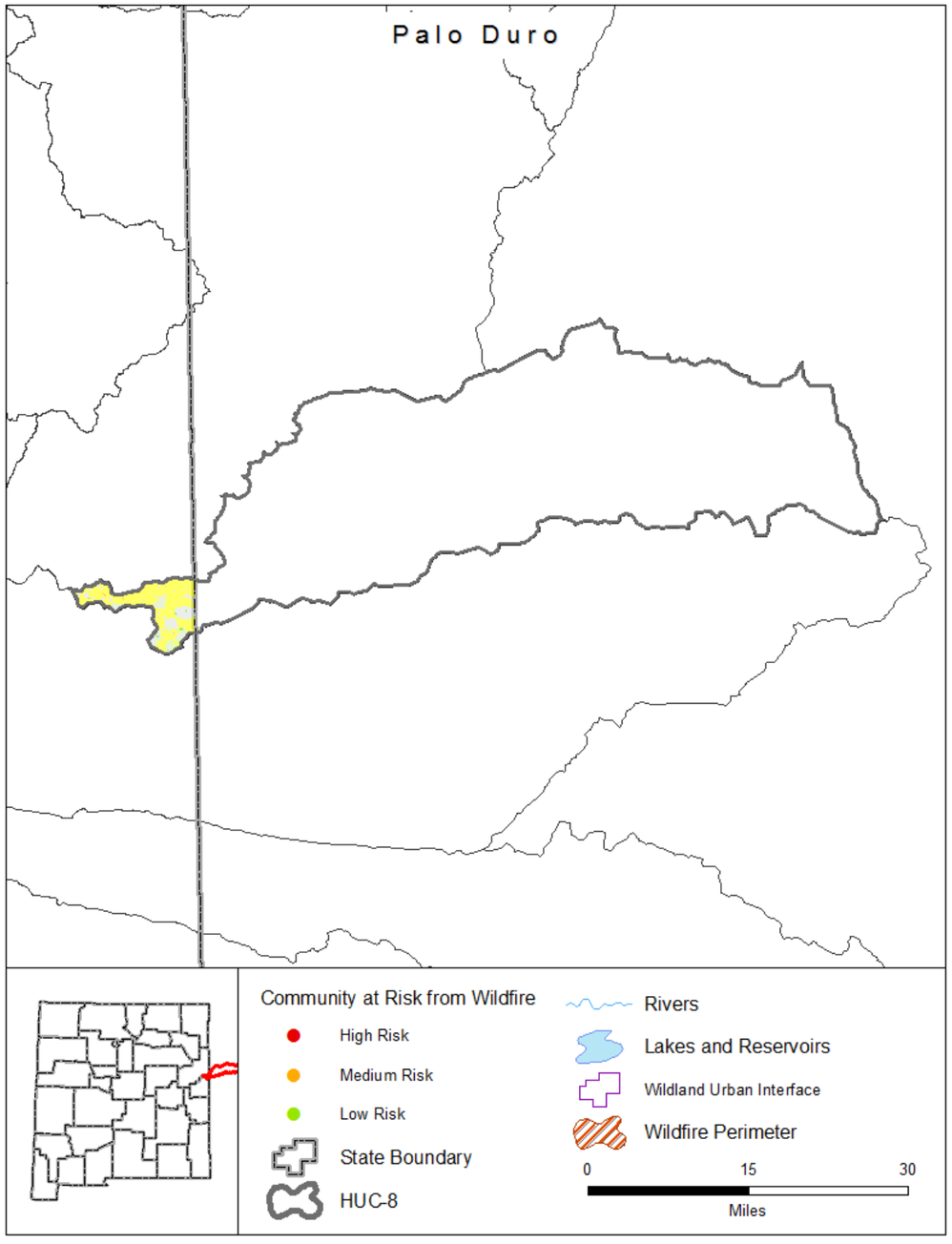
Watershed 11120102

Watershed Characteristics	
Area (sq mi)	1,000
Population in NM	85
CNMS Streams (mi)	8
Maximum Elevation (feet)	4,731
Minimum Elevation (feet)	4,389
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	4.07 %
Private	94.43 %
State	5.55 %
Tribal	0 %
Federal	0 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Palo Duro

Risk Rank: Low

Description

The Palo Duro watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. Lidar data for the New Mexico portion of the watershed was collected in 2015.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for part of the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11120102

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	1%
Low	6%
Moderate	71%
High	0%
Very High	0%
Non-Burnable	21%
Water	0%

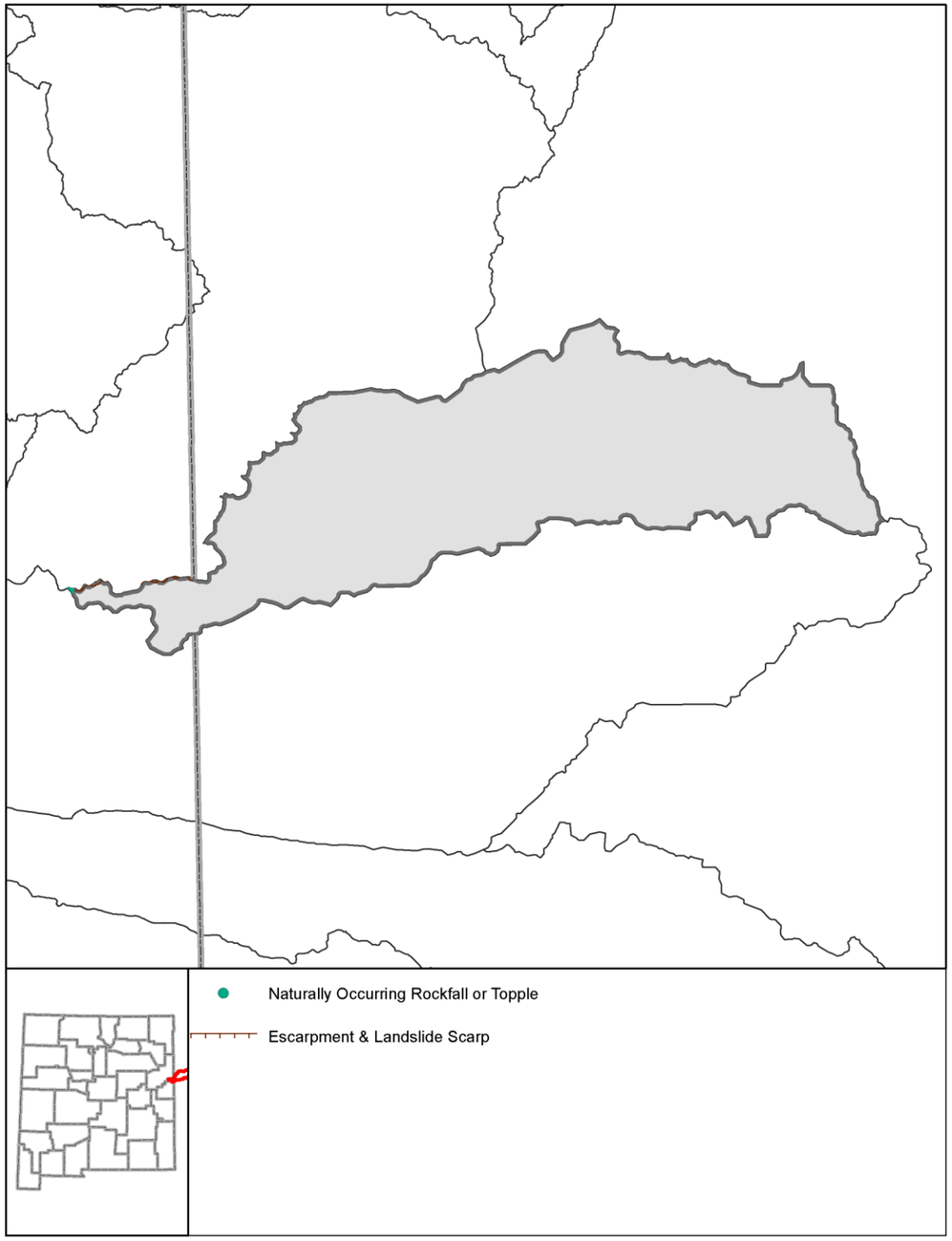
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Palo Duro

Risk Rank: Low

Description

The Palo Duro watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for part of the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	41	4%

Watershed 11120102

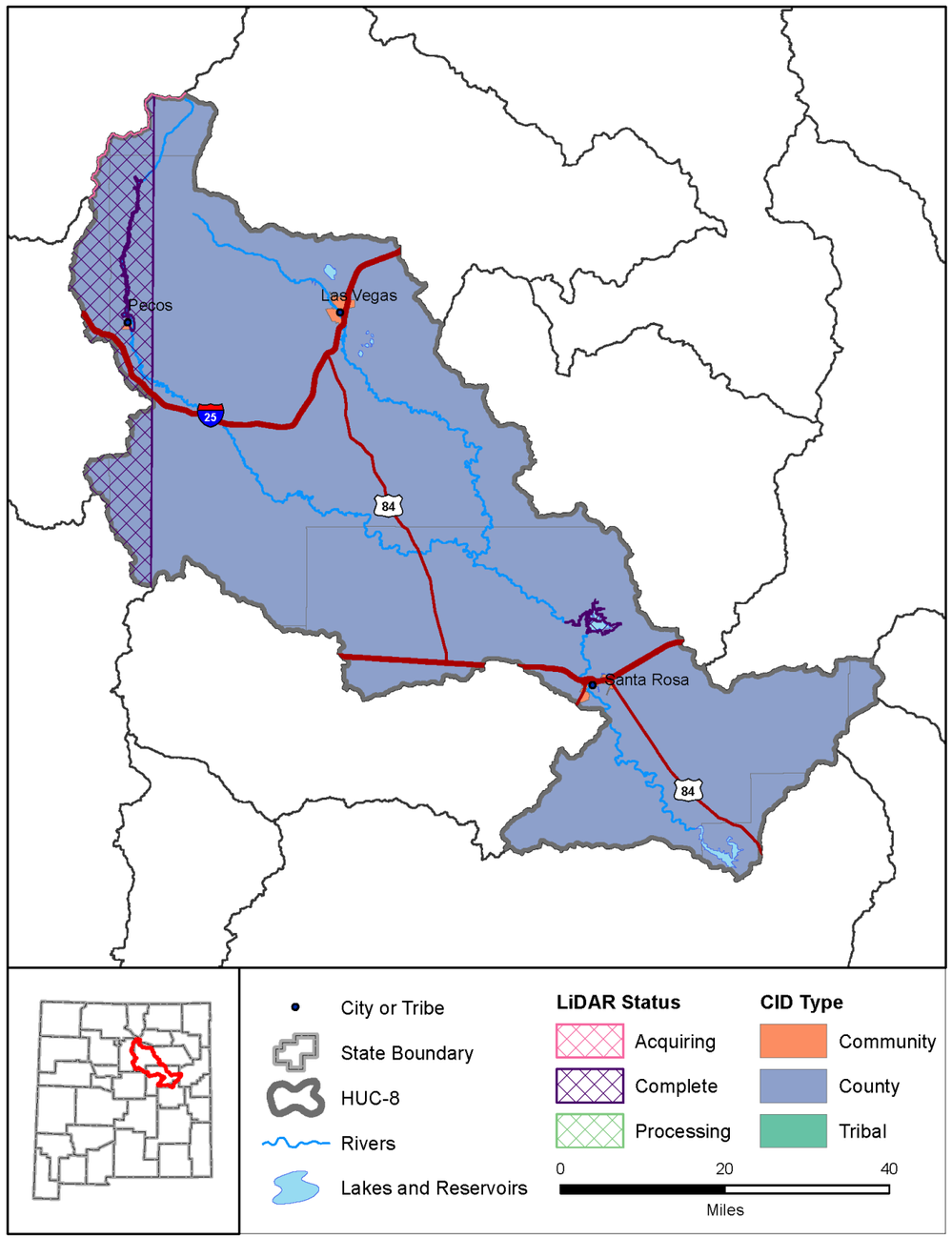
Rockfalls & Topples	0
Escarpments & Landslide Scarps	1

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	1



Pecos Headwaters

Description

The Pecos Headwaters watershed is home to approximately 30,000 people in the north-central portion of New Mexico. The watershed has significant topograph relief from the Sangre de Cristo Mountains. The Pecos River is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive throughout San Miguel County but Guadlupe County has none. Lidar is available for the western part of the watershed as part of the Santa Fe County acquisition in 2014. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers a small part of the western side of the watershed. Data should be delivered by the end of 2015. The USACE collected post-wildfire QL2 lidar data for the Tres Lagunas fire in 2013. The U

Counties

De Baca, Guadalupe, Mora, Quay, Rio Arriba, San Miguel, Santa Fe, Torrance

Communities

Las Vegas, Pecos, Santa Rosa

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068350.pdf

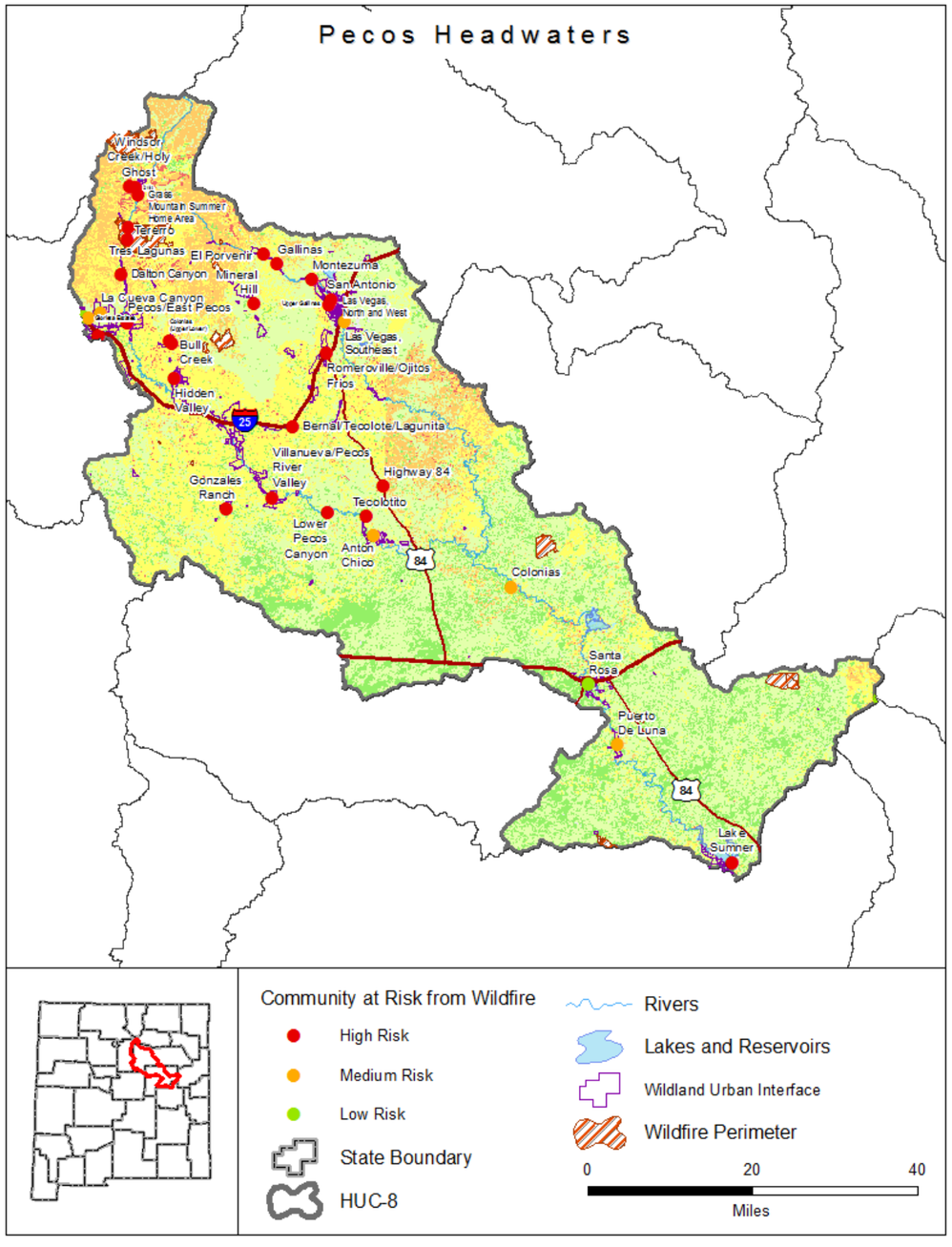
Watershed 13060001

Watershed Characteristics	
Area (sq mi)	3,479
Population in NM	30,185
CNMS Streams (mi)	695
Maximum Elevation (feet)	13,099
Minimum Elevation (feet)	4,238
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	73.43 %
State	6.44 %
Tribal	0 %
Federal	20.13 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	11
NFIP Communities	8
NFIP Policies	146
Policies within the SFHA	79
Policies outside of the SFHA	67
NFIP Premium Total	$ 141,719
NFIP Claims	16
Claims within the SFHA	6
Claims outside of the SFHA	10
Paid Claims	$ 44,715
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Pecos Headwaters

Risk Rank: High

Description

The Pecos Headwaters watershed is at high risk of wildfire. The communities of Bernal/Tecolote/Lagunita, Bull Creek, Colonias (Upper/Lower), Cowles, Dalton Canyon, El Porvenir, Gallinas, Glorieta Mesa, Gonzales Ranch, Grass Mountain Summer Home Area, Hidden Valley, Highway 84, Lake Sumner, "Las Vegas, North and West", Lower Pecos Canyon, Mineral Hill, Montezuma, Pecos/East Pecos, Romeroville/Ojitos Frios, Tecolotito, Tererro, Tres Lagunas, Upper Gallinas, Villanueva/Pecos River Valley, and Windsor Creek/Holy Ghost were identified as high risk in the local Community Wildfire Protection Plan. A total of 30,537 acres have burned during 21 wildfire events over the last ten years. A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017. USGS Quality Level 2 lidar data was collected by Santa Fe that covers a small part of the western side of the watershed.. The USACE collected post-wildfire QL2 lidar data

Counties

De Baca, Guadalupe, Mora, Quay, Rio Arriba, San Miguel, Santa Fe, Torrance

Communities

Las Vegas, Pecos, Santa Rosa

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Bernal/Tecolote/Lagunita, Bull Creek, Colonias (Upper/Lower), Cowles, Dalton Canyon, El Porvenir, Gallinas, Glorieta Mesa, Gonzales Ranch, Grass Mountain Summer Home Area, Hidden Valley, Highway 84, Lake Sumner, "Las Vegas, North and West", Lower Pecos Canyon, Mineral Hill, Montezuma, Pecos/East Pecos, Romeroville/Ojitos Frios, Tecolotito, Tererro, Tres Lagunas, Upper Gallinas, Villanueva/Pecos River Valley, Windsor Creek/Holy Ghost

Watershed 13060001

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	17%
Low	44%
Moderate	26%
High	11%
Very High	1%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	21
Acres Burned 2006-2016	30,537

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.18%
Intermix	2.03%
	Acres
Interface	3,963
Intermix	45,219
WUI Addressed Structures	717

Communities at Risk from Wildland Fire

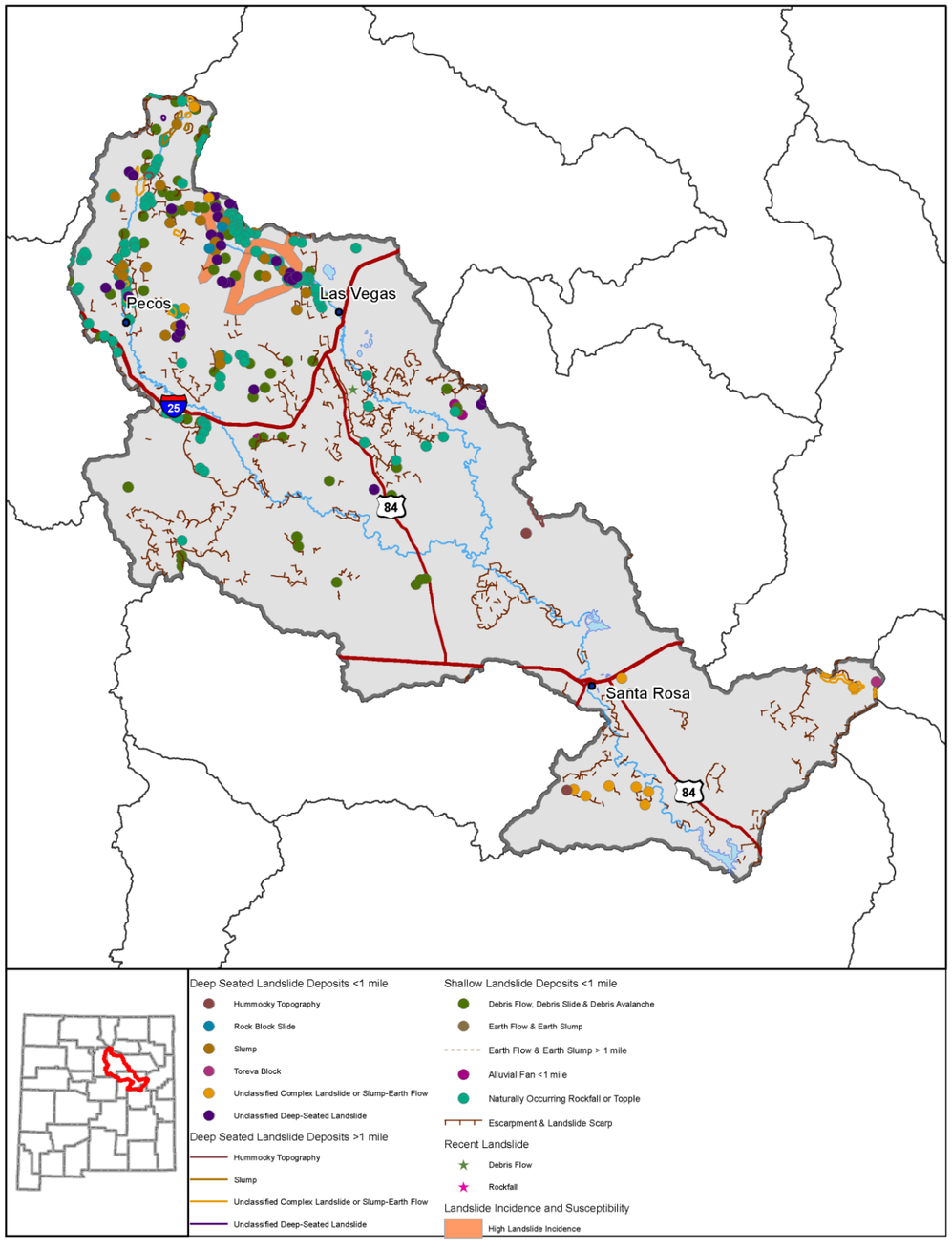
High Risk	25
Medium Risk	6
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	14
Very High Priority	13

Vegetation Treatments 2006-2016

Acres Treated	33,920



Pecos Headwaters

Risk Rank: Medium

Description

The Pecos Headwaters watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017. USGS Quality Level 2 Lidar data was collected by Santa Fe that covers a small part of the western side of the watershed. The USACE collected post-wildfire QL2 Lidar data for the Tres Laguna

Counties

De Baca, Guadalupe, Mora, Quay, Rio Arriba, San Miguel, Santa Fe, Torrance

Communities

Las Vegas, Pecos, Santa Rosa

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	44	1%
High susceptibility to landsliding and low incidence	0	0%
Total	3479	100%

Watershed 13060001

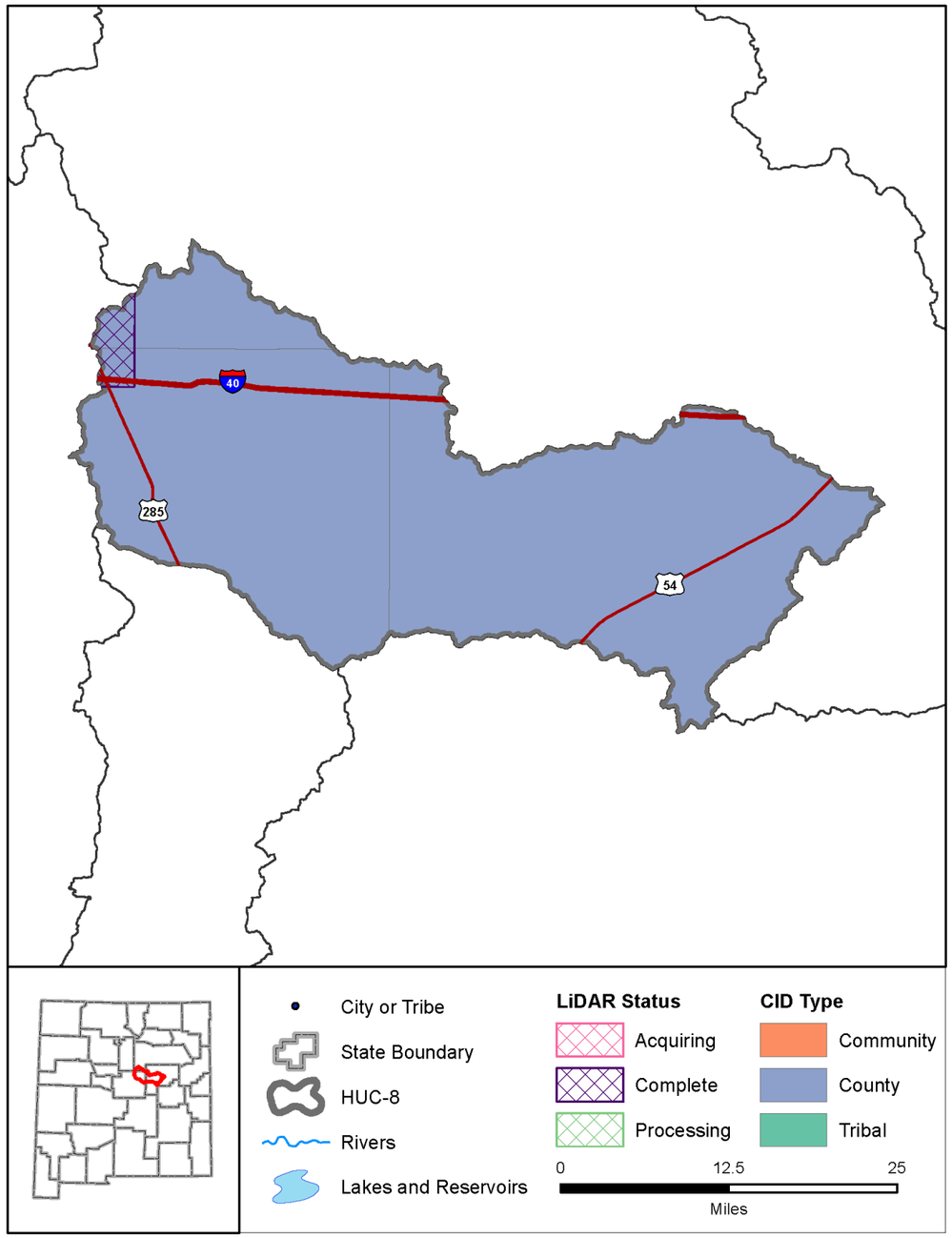
Rockfalls & Topples	120
Escarpments & Landslide Scarps	300

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	1
Debris Flow, Debris Slide & Debris Avalanche	73
Alluvial Fan < 1mile	3
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	22
Rock Slump, Debris Slum & Earth Slump > 1 mile	7
Translational Slides	
Rock Block Slide <1 mile	2
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	28
>1 mile	1
Hummocky Topography	
<1 mile	2
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	1
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	12
>1 mile	11
Total	587



Pintada Arroyo

Description

The Pintada Arroyo watershed is home to approximatley 1,000 people in the north-central portion of New Mexico. The Pintada Arroyo is the primary hydrologic feature with many smaller tributaries. FIRM data is very limited throughout the watershed. FHBM data is extensive in Torrance County. There is lidar available for the northwest part of the watershed as part of the Santa Fe County acquisition in 2014. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers a small part of the north-western side of the watershed. Data should be delivered by the end of 2015.

Counties

Guadalupe, San Miguel, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066025.pdf

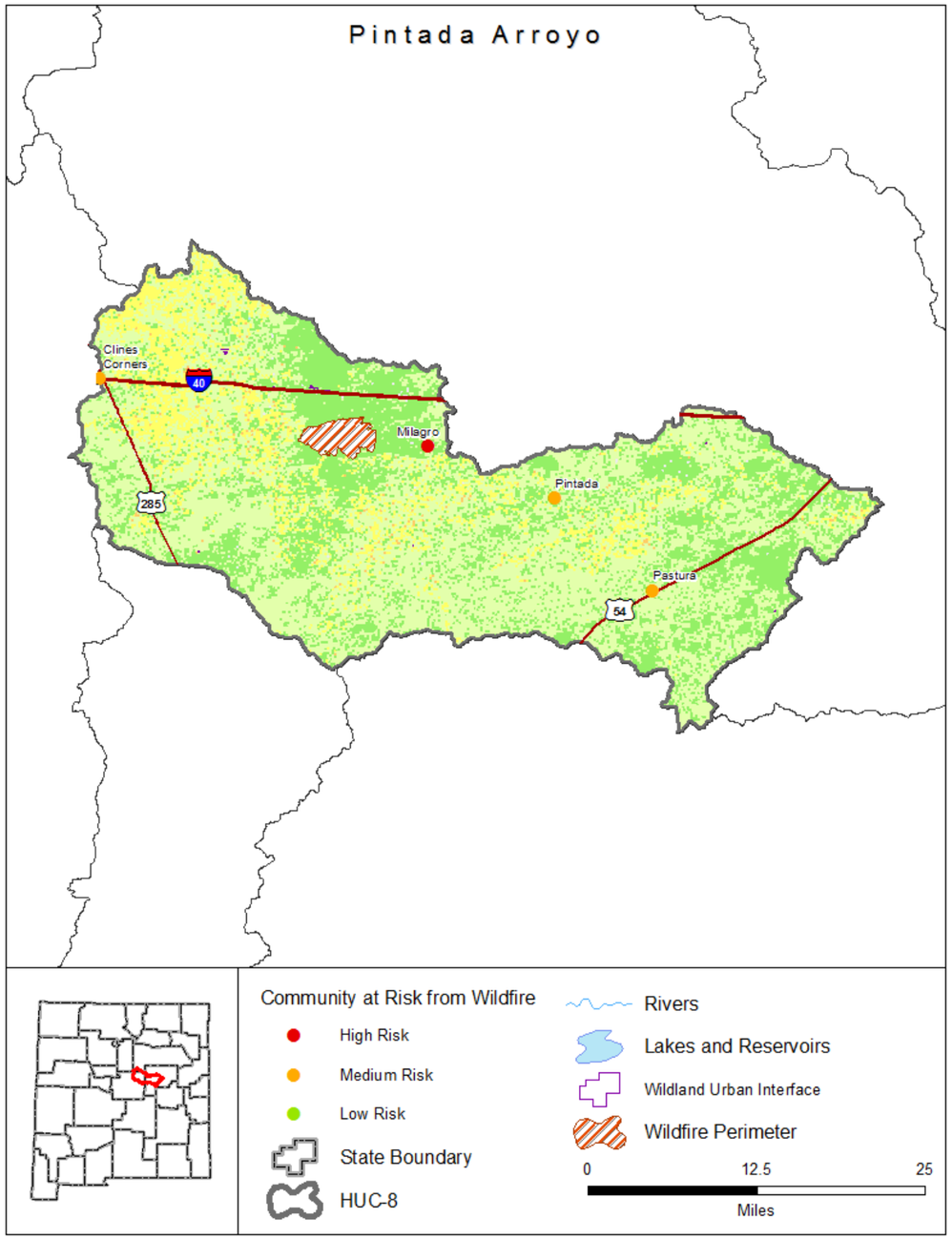
Watershed 13060002

Watershed Characteristics	
Area (sq mi)	1,029
Population in NM	917
CNMS Streams (mi)	88
Maximum Elevation (feet)	7,576
Minimum Elevation (feet)	4,486
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	79.31 %
State	18.93 %
Tribal	0 %
Federal	1.76 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	3
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Pintada Arroyo

Risk Rank: Low

Description

The Pintada Arroyo watershed is at low risk of wildfire and the community of Milagro was identified as high risk in the local Community Wildfire Protection Plan. A total of 7,346 acres have burned during 1 wildfire event over the last ten years.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers a small part of the north-western side of the watershed.

Counties

Guadalupe, San Miguel, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Milagro

Watershed 13060002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	34%
Low	53%
Moderate	12%
High	1%
Very High	0%
Non-Burnable	0%
Water	0%

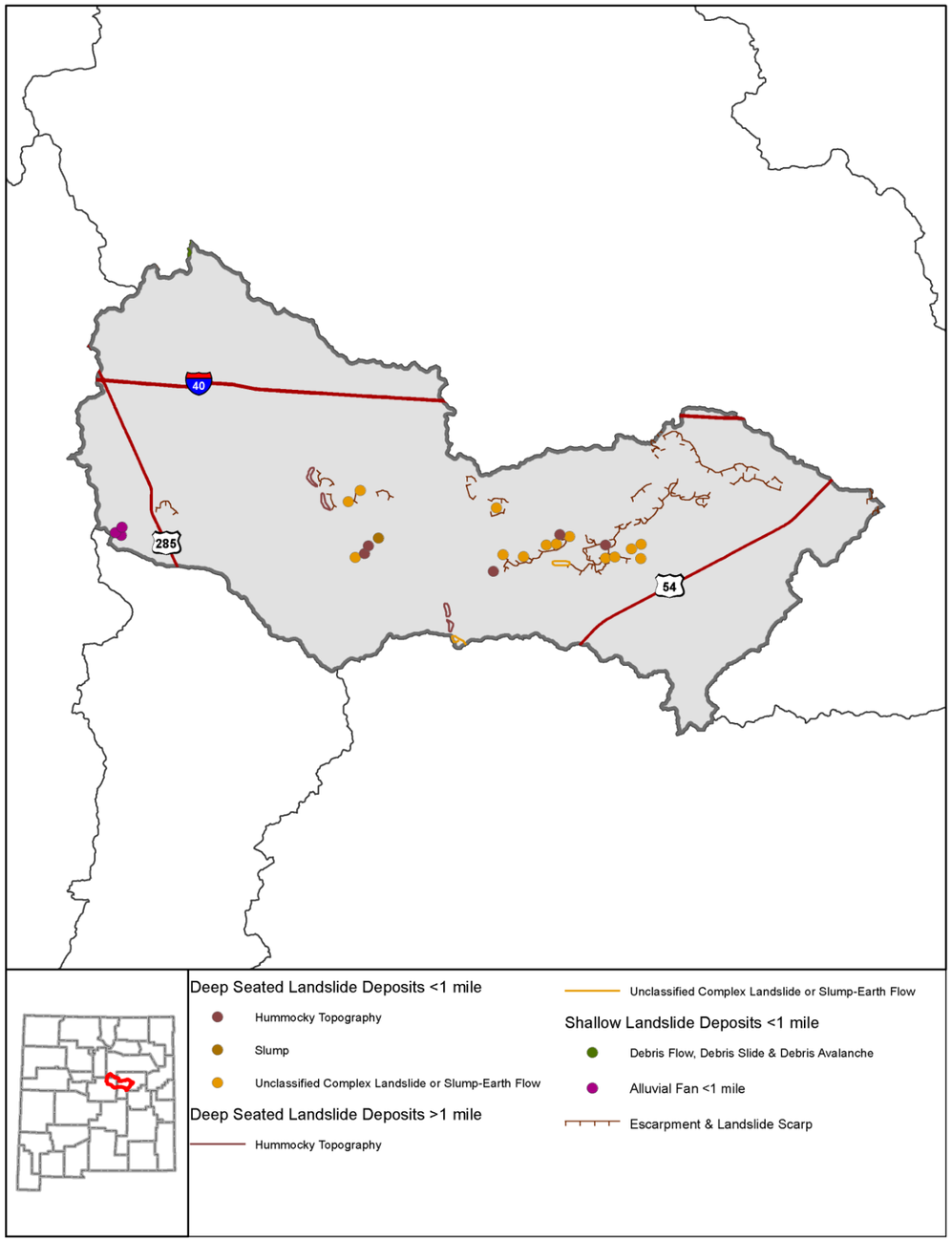
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	7,346

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.03%
	Acres
Interface	2
Intermix	194
WUI Addressed Structures	18

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	3
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Pintada Arroyo

Risk Rank: Low

Description

The Upper Pecos watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Chaves, De Baca, Guadalupe, Lincoln, Quay, Roosevelt, Torrance

Communities

Fort Sumner

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	4205	100%

Watershed 13060002

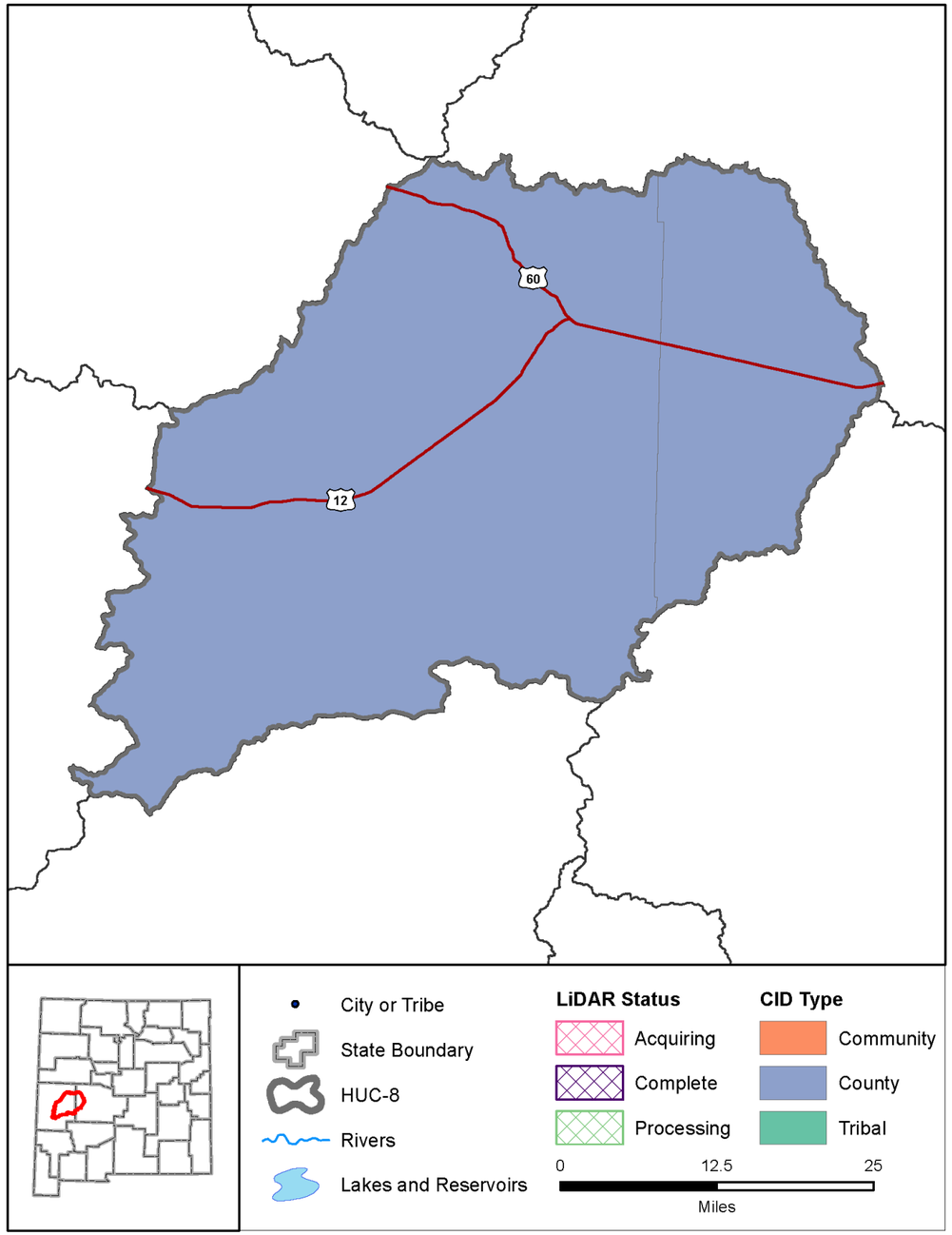
Rockfalls & Topples	6
Escarpments & Landslide Scarps	38

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	3
>1 mile	1
Total	51



Plains of San Agustin

Description

The Plains of San Agustin watershed is home to approximately 1,000 people in western New Mexico. The watershed is surrounded by small mountain chains. The watershed contains a number of intermittent streams. Preliminary FIRM data is limited to Socorro County. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Socorro

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

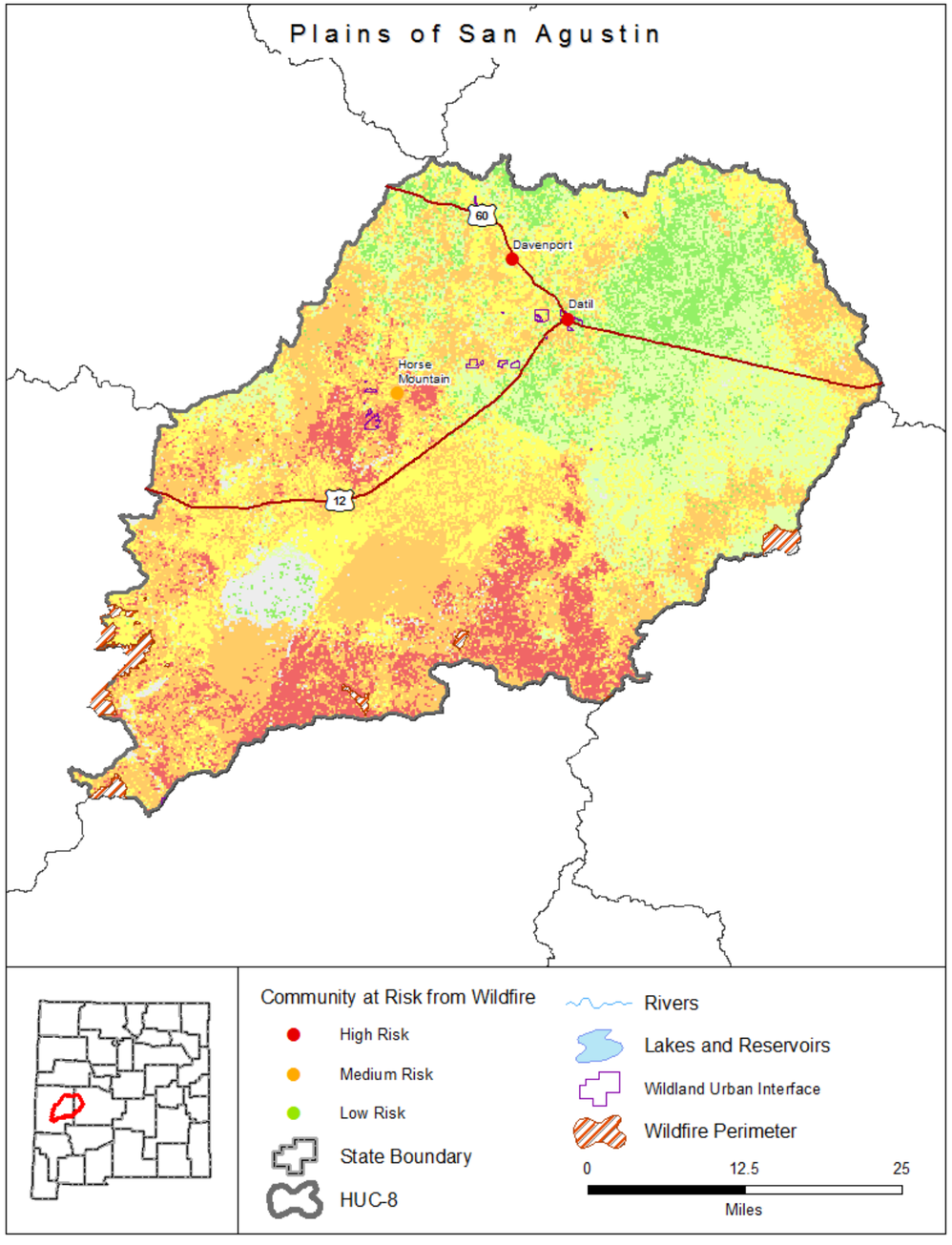
Watershed 13020208

Watershed Characteristics	
Area (sq mi)	1,993
Population in NM	1,076
CNMS Streams (mi)	0
Maximum Elevation (feet)	10,258
Minimum Elevation (feet)	6,780
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	41.49 %
State	25.3 %
Tribal	0.01 %
Federal	33.2 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Plains of San Agustin

Risk Rank: Medium

Description

The Plains of San Agustin watershed is at medium risk of wildfire. The communities of Datil and Davenport were identified as high risk in the local Community Wildfire Protection Plan. A total of 14,964 acres have burned during 23 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Socorro

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Datil, Davenport

Watershed 13020208

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	8%
Low	21%
Moderate	26%
High	33%
Very High	10%
Non-Burnable	3%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	23
Acres Burned 2006-2016	14,964

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.22%
	Acres
Interface	0
Intermix	2,758
WUI Addressed Structures	37

Communities at Risk from Wildland Fire

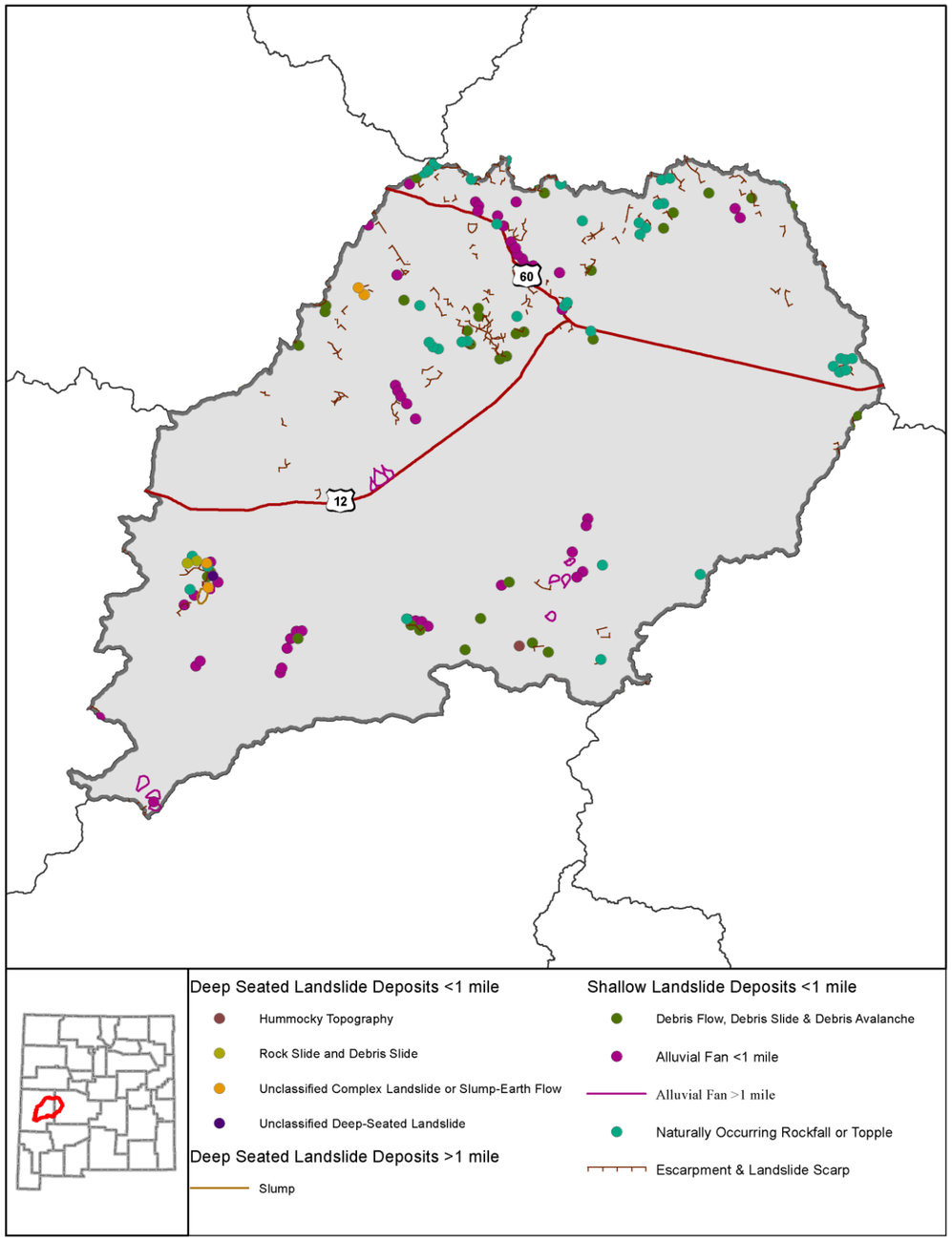
High Risk	2
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	19
Very High Priority	3

Vegetation Treatments 2006-2016

Acres Treated	25,600



Plains of San Agustin

Risk Rank: Low

Description

The Plains of San Agustin watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron, Socorro

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1993	100%

Watershed 13020208

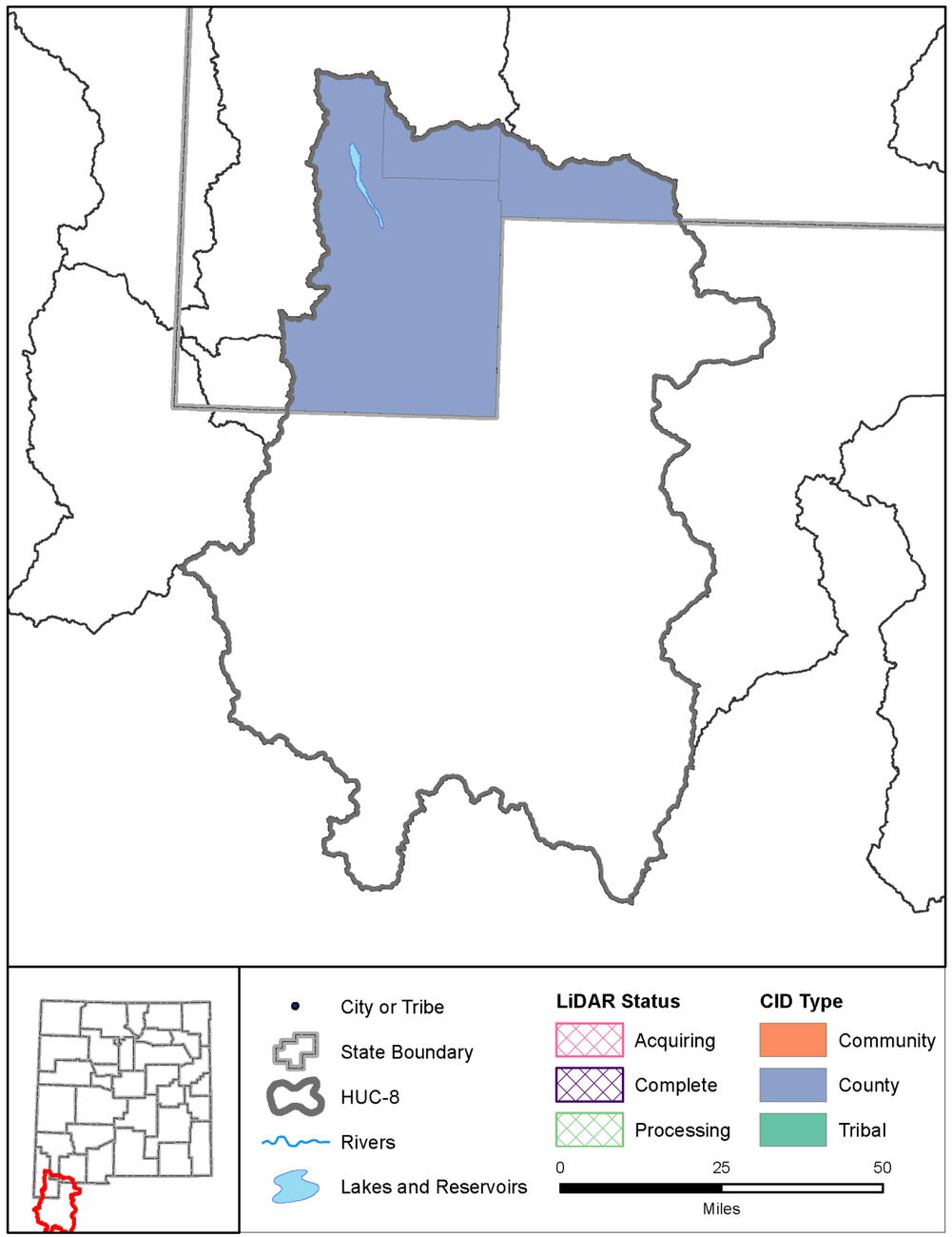
Rockfalls & Topples	38
Escarpments & Landslide Scarps	122

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	34
Alluvial Fan < 1mile	49
Alluvial Fan >1 mile	15
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	1
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	2
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	1
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	4
>1 mile	0
Total	268



Playas Lake

Description

The Playas Lake watershed is home to approximately 1,500 people along the southern border of New Mexico. There are numerous small mountain chains falling into the Playas Valley. There are numerous intermittent streams within the watershed. There is limited FIRM data in Grant and Luna Counties. There is no lidar data available for the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Grant, Hidalgo, Luna

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066024.pdf

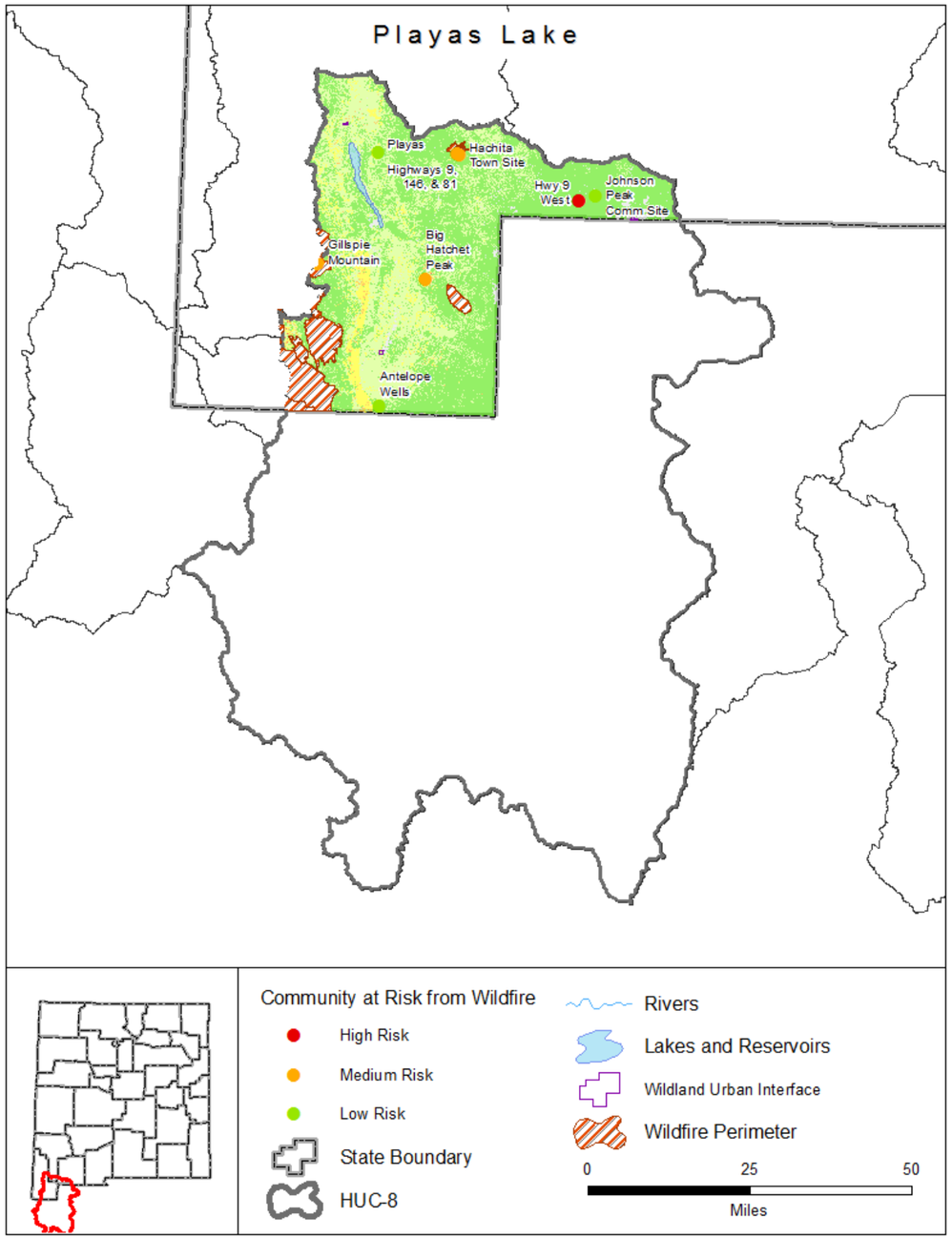
Watershed 13030201

Watershed Characteristics	
Area (sq mi)	7,072
Population in NM	1,339
CNMS Streams (mi)	92
Maximum Elevation (feet)	8,370
Minimum Elevation (feet)	4,140
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	23.83 %
Private	40.35 %
State	13.71 %
Tribal	0 %
Federal	45.92 %
States	NM, MX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Playas Lake

Risk Rank: Low

Description

The Playas Lake watershed is watershed is at low risk of wildfire. The area along Hwy 9 west was identified as high risk in the local Community Wildfire Protection Plan. A total of 72,979 acres have burned during 14 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Grant, Hidalgo, Luna

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Hwy 9 West

Watershed 13030201

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	60%
Low	32%
Moderate	6%
High	1%
Very High	0%
Non-Burnable	2%
Water	0%

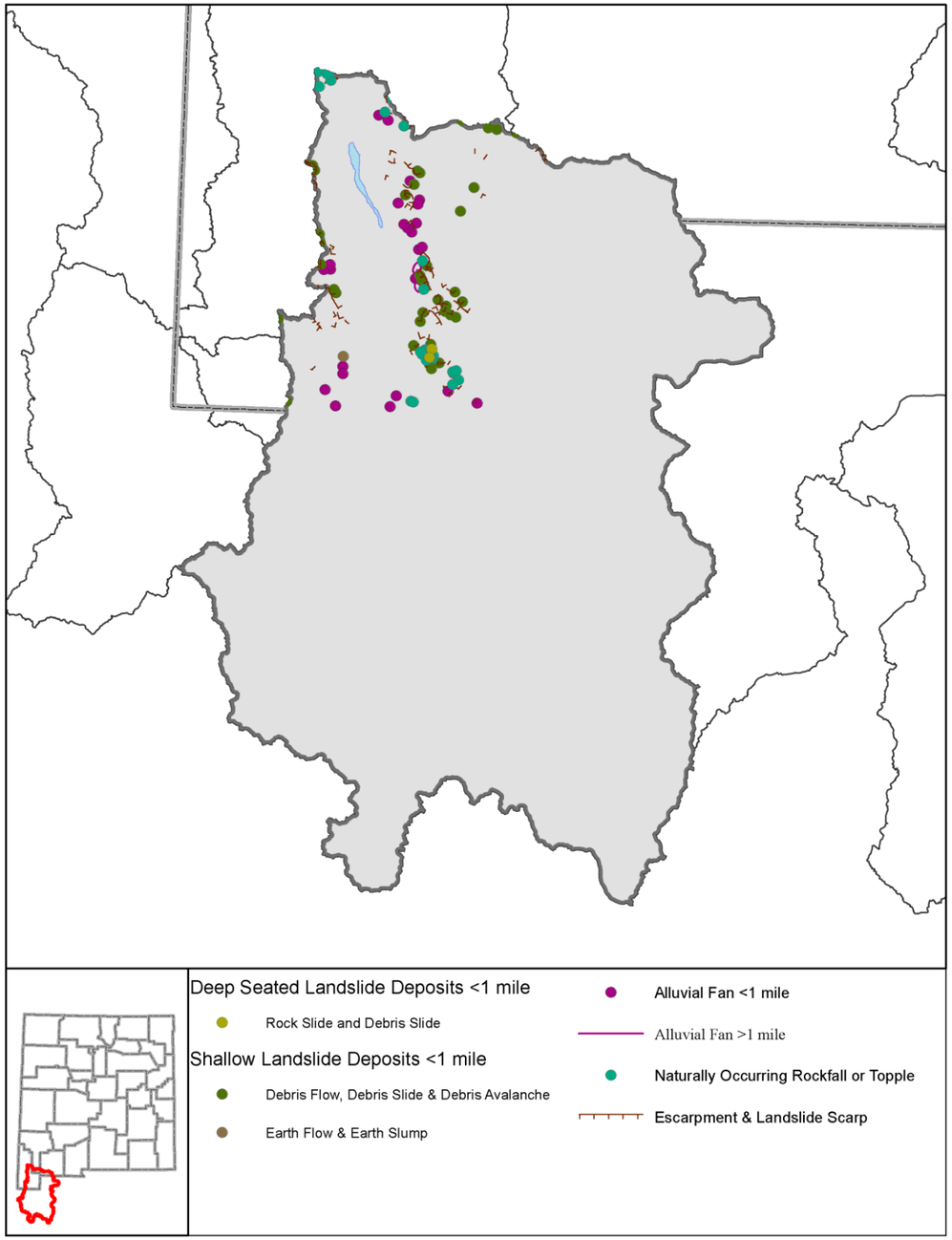
Watershed Characteristics	
Wildfires 2006-2016	14
Acres Burned 2006-2016	72,979

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.05%
	Acres
Interface	155
Intermix	567
WUI Addressed Structures	24

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	4
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	40,960



Playas Lake

Risk Rank: Low

Description

The Playas Lake watershed is watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Grant, Hidalgo, Luna

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1682	24%

Watershed 13030201

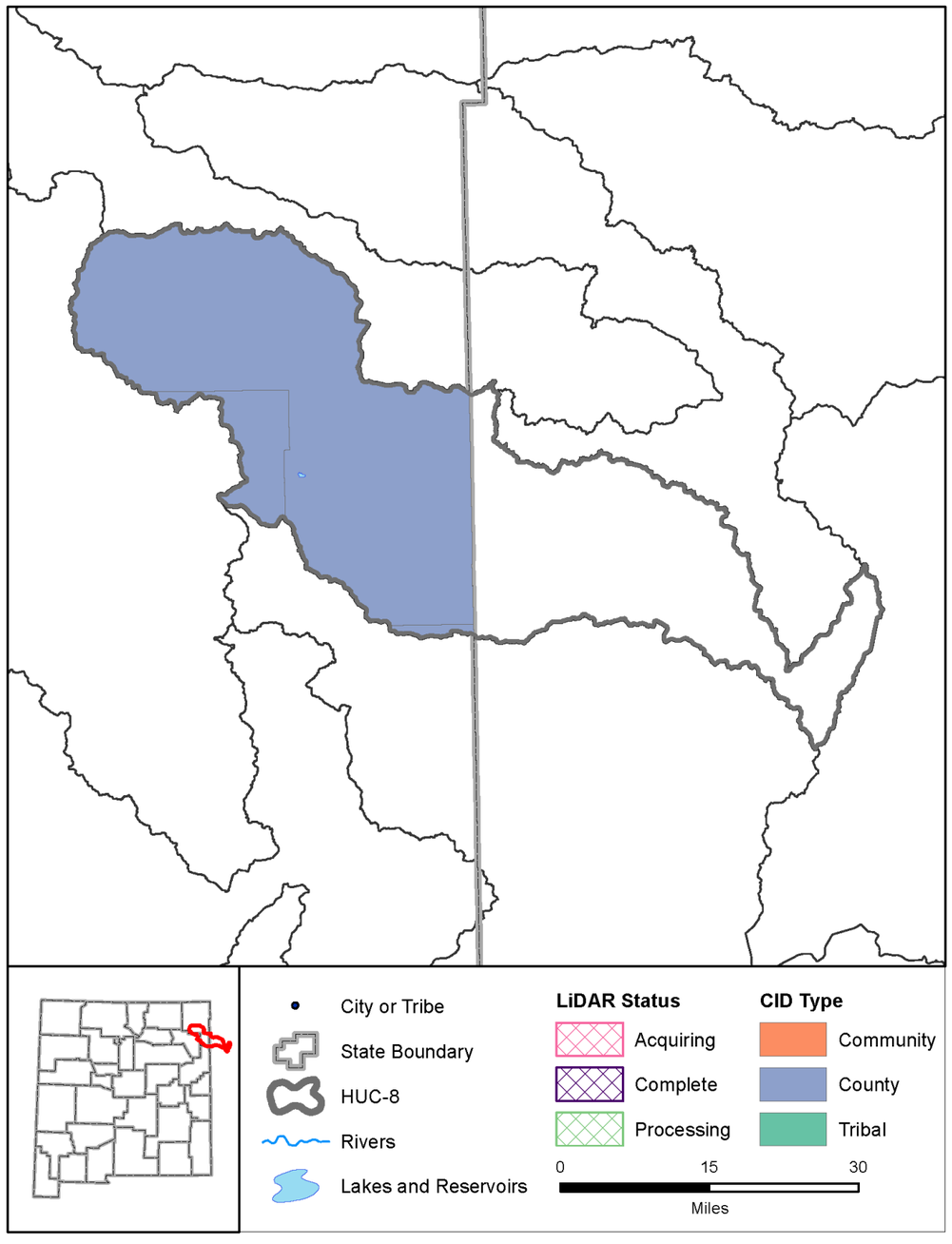
Rockfalls & Topples	26
Escarpments & Landslide Scarps	77

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	33
Alluvial Fan < 1mile	24
Alluvial Fan >1 mile	2
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	2
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	166



Punta de Agua

Description

The Punta de Agua watershed is home to fewer than 600 people along the northeastern border of New Mexico. The watershed contains several mesas and arroyos. The primary hydrographic features are Tramperos Creek, Pinabetes Creek, and Carrizo Creek. There is no FHBM or FIRM data for the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Harding, Quay, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

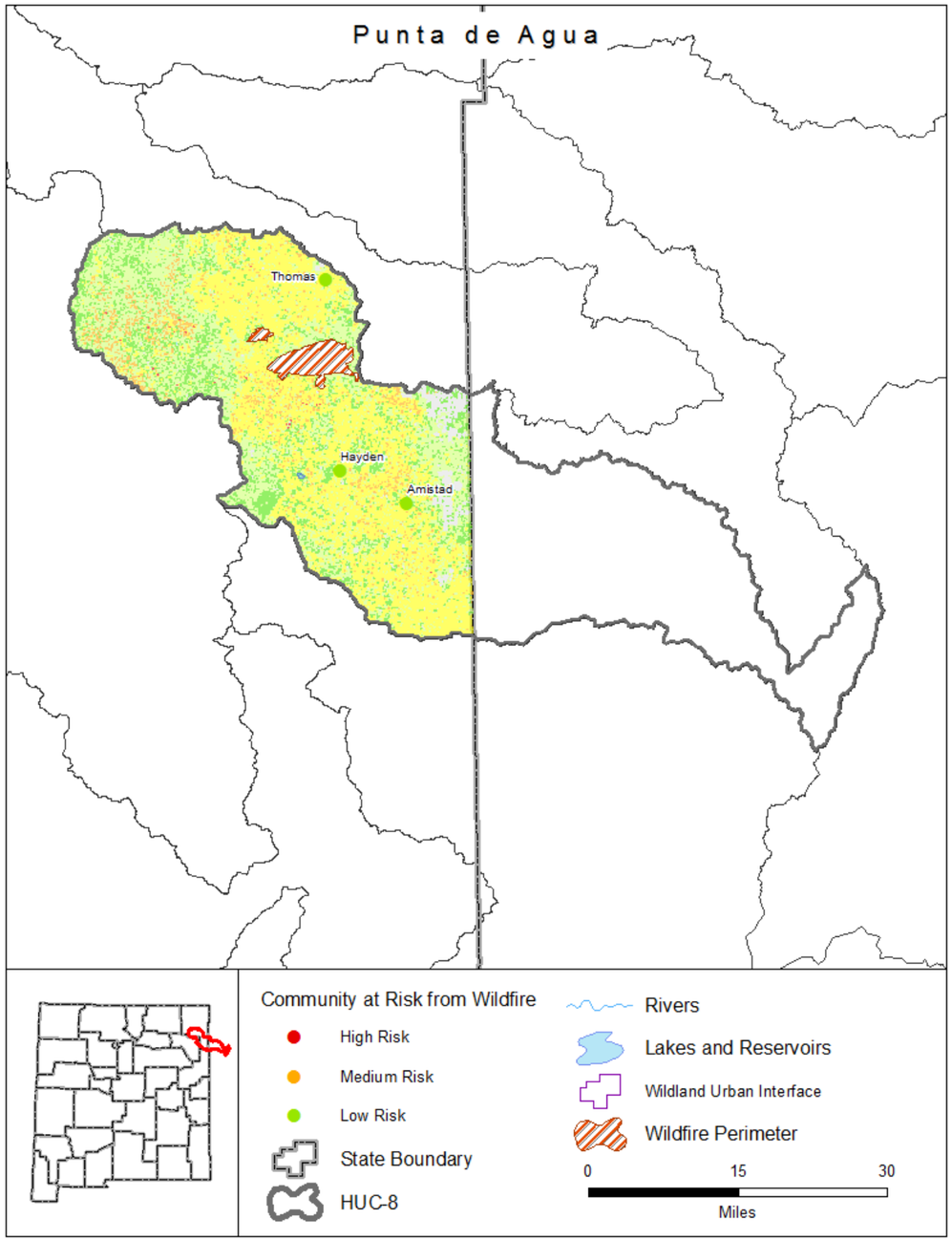
Watershed 11090102

Watershed Characteristics	
Area (sq mi)	1,500
Population in NM	559
CNMS Streams (mi)	0
Maximum Elevation (feet)	5,911
Minimum Elevation (feet)	4,205
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	8

Ownership	
Percent in New Mexico	61.09 %
Private	84.6 %
State	15.39 %
Tribal	0 %
Federal	0 %
States	NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Punta de Agua

Risk Rank: Low

Description

The Punta de Agua watershed at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 17,079 acres have burned during 5 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Harding, Quay, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11090102

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	18%
Low	33%
Moderate	41%
High	5%
Very High	0%
Non-Burnable	3%
Water	0%

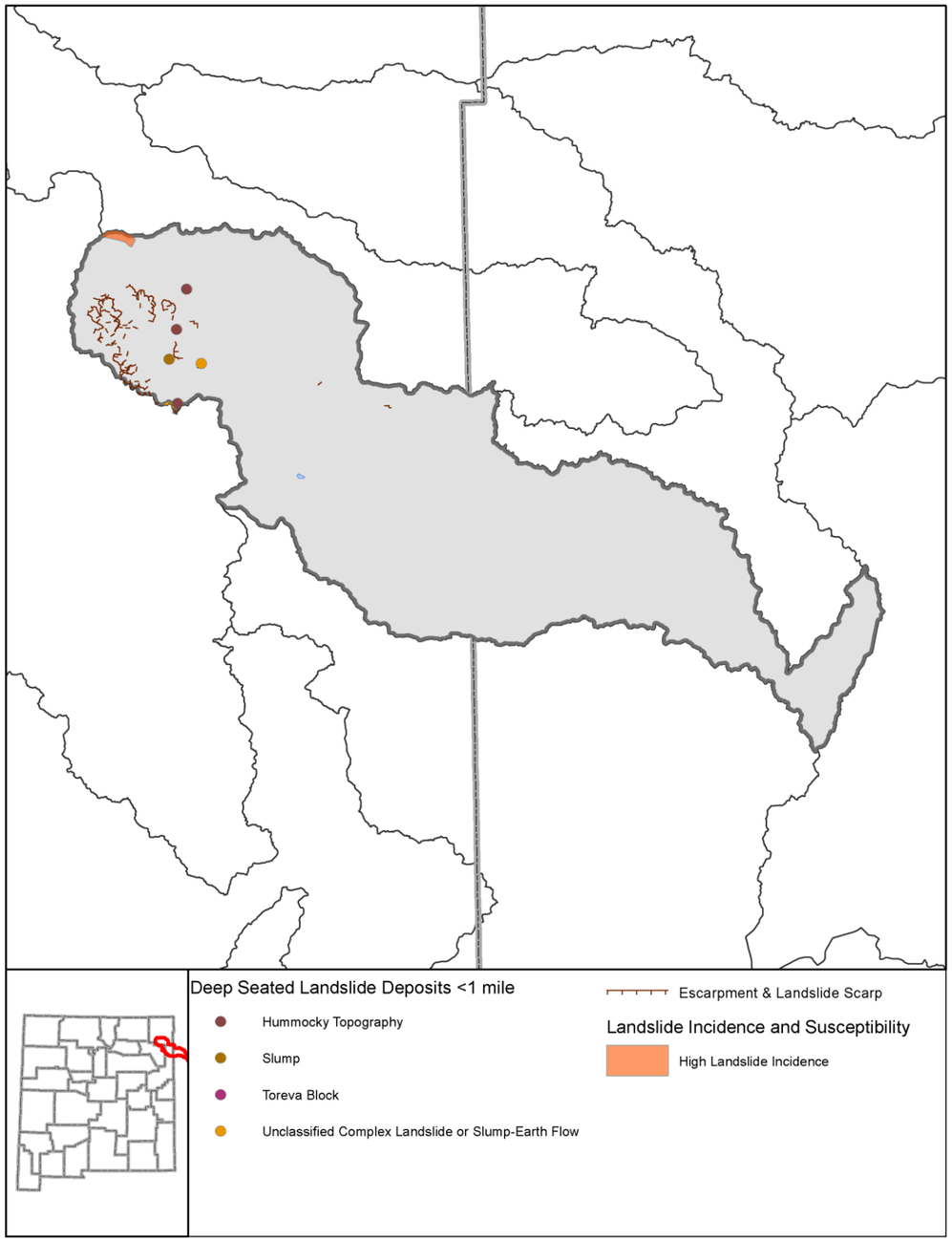
Watershed Characteristics	
Wildfires 2006-2016	5
Acres Burned 2006-2016	17,079

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	17
WUI Addressed Structures	1

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Punta de Agua

Risk Rank: Low

Description

The Punta de Agua watershed at low risk of landslide processes.

Lidar Data Availability

FEMA collected USGS QL2 Lidar in 2017.

Counties

Harding, Quay, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	3	0%
High susceptibility to landsliding and low incidence	0	0%
Total	917	61%

Watershed 11090102

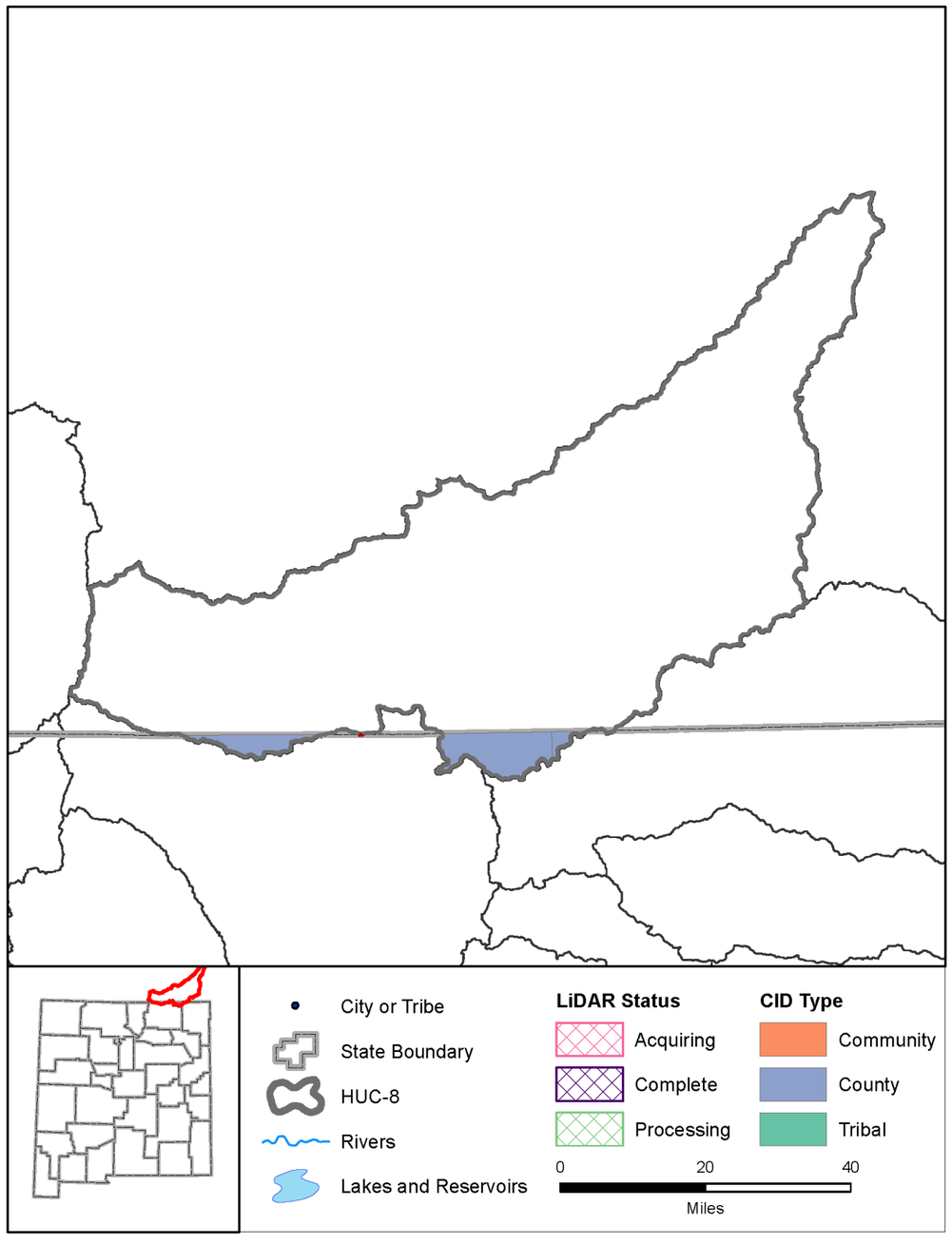
Rockfalls & Topples	0
Escarpments & Landslide Scarps	24

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	3
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	0
Total	29



Purgatoire

Description

The Purgatoire watershed is home to approximately 1,400 people in northeastern New Mexico. Topographically, the watershed contains the Lorencito Canyon, Raton Mesa, and Barela Mesa. The primary hydrologic feature within New Mexico is San Isidro Creek. The watershed has no FIRM or FHBM data. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products, but because so little of this watershed is in New Mexico, a joint project with Colorado should be conducted.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

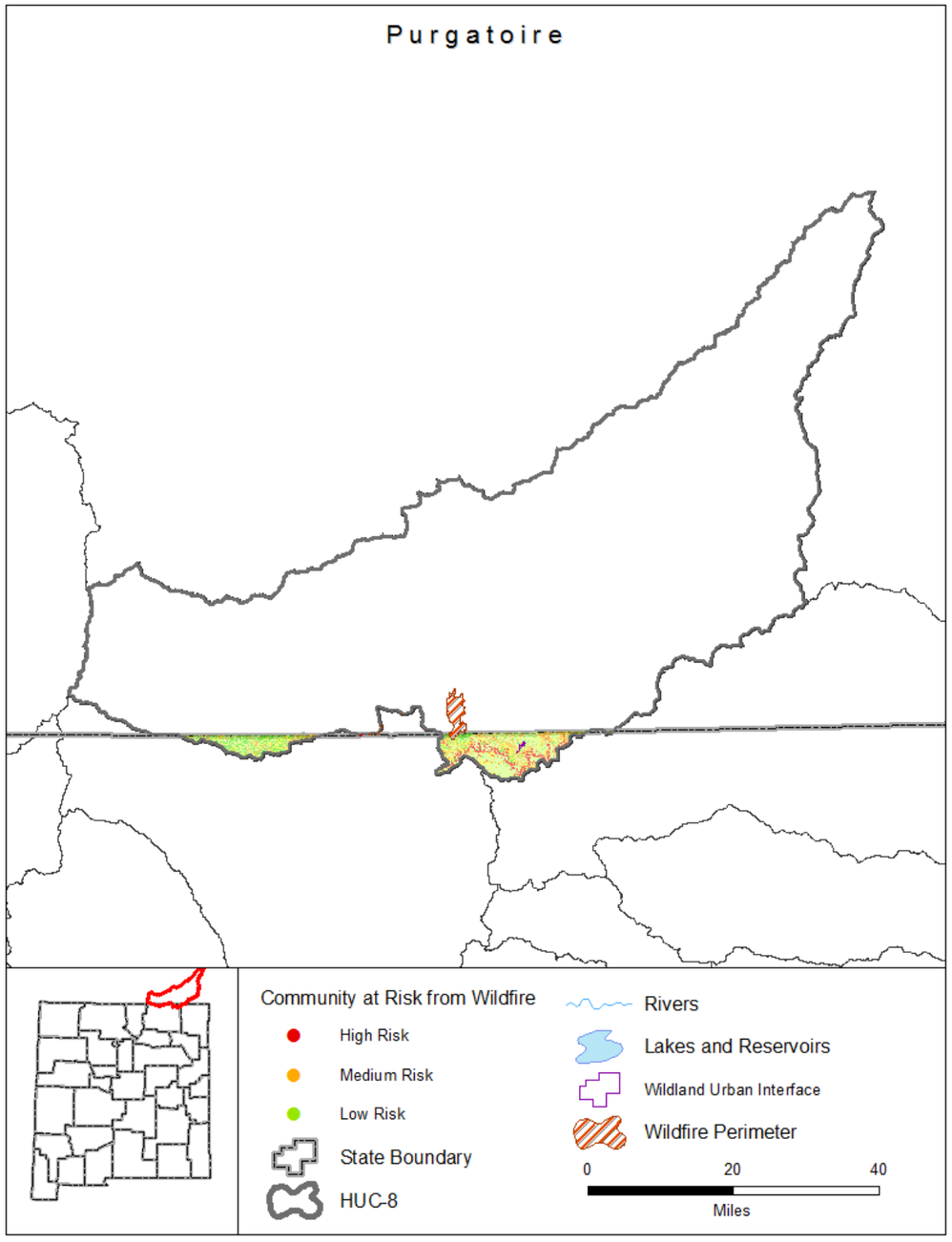
Watershed 11020010

Watershed Characteristics	
Area (sq mi)	3,447
Population in NM	1,372
CNMS Streams (mi)	0
Maximum Elevation (feet)	9,245
Minimum Elevation (feet)	6,021
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	3.71 %
Private	91.69 %
State	8.16 %
Tribal	0 %
Federal	0 %
States	CO, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Purgatoire

Risk Rank: Medium

Description

The Purgatoire watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards following the 2011 Track fire.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Darr, M.J., Cannon, S.H., and Michael, J.A., 2011, Postwildfire debris flows hazard assessment for the area burned by the 2011 Track Fire, northeastern New Mexico and southeastern Colorado: U.S. Geological Survey Open-File Report 2011–1257, 9 p.

Communities at High Risk of Wildland Fire

None.

Watershed 11020010

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	17%
Low	44%
Moderate	11%
High	18%
Very High	9%
Non-Burnable	1%
Water	0%

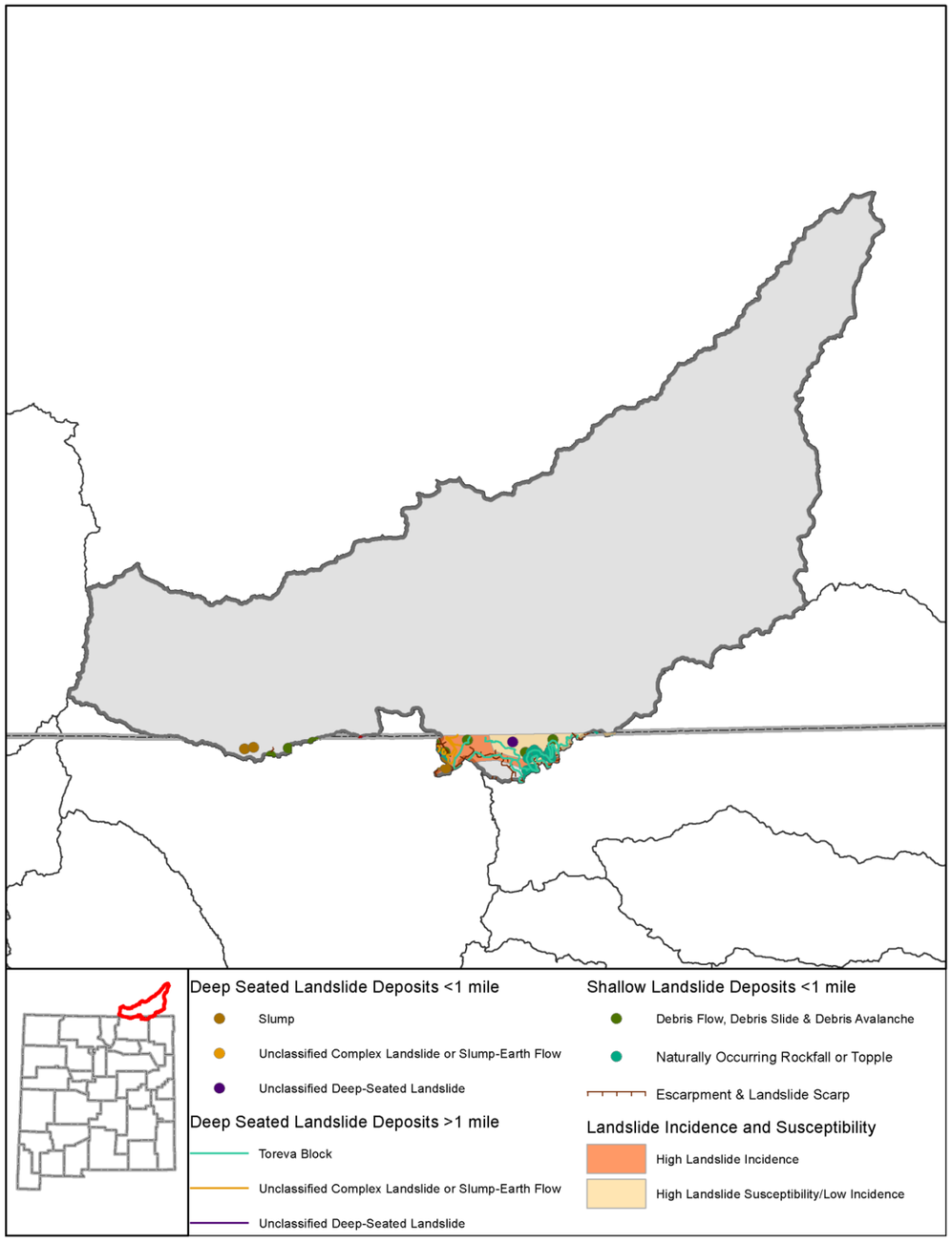
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	344

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	25%
	Acres
Interface	0
Intermix	208
WUI Addressed Structures	3

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	2
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Purgatoire

Risk Rank: Low

Description

The Purgatoire watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Colfax, Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	37	1%
High susceptibility to landsliding and low incidence	38	1%
Total	128	4%

Watershed 11020010

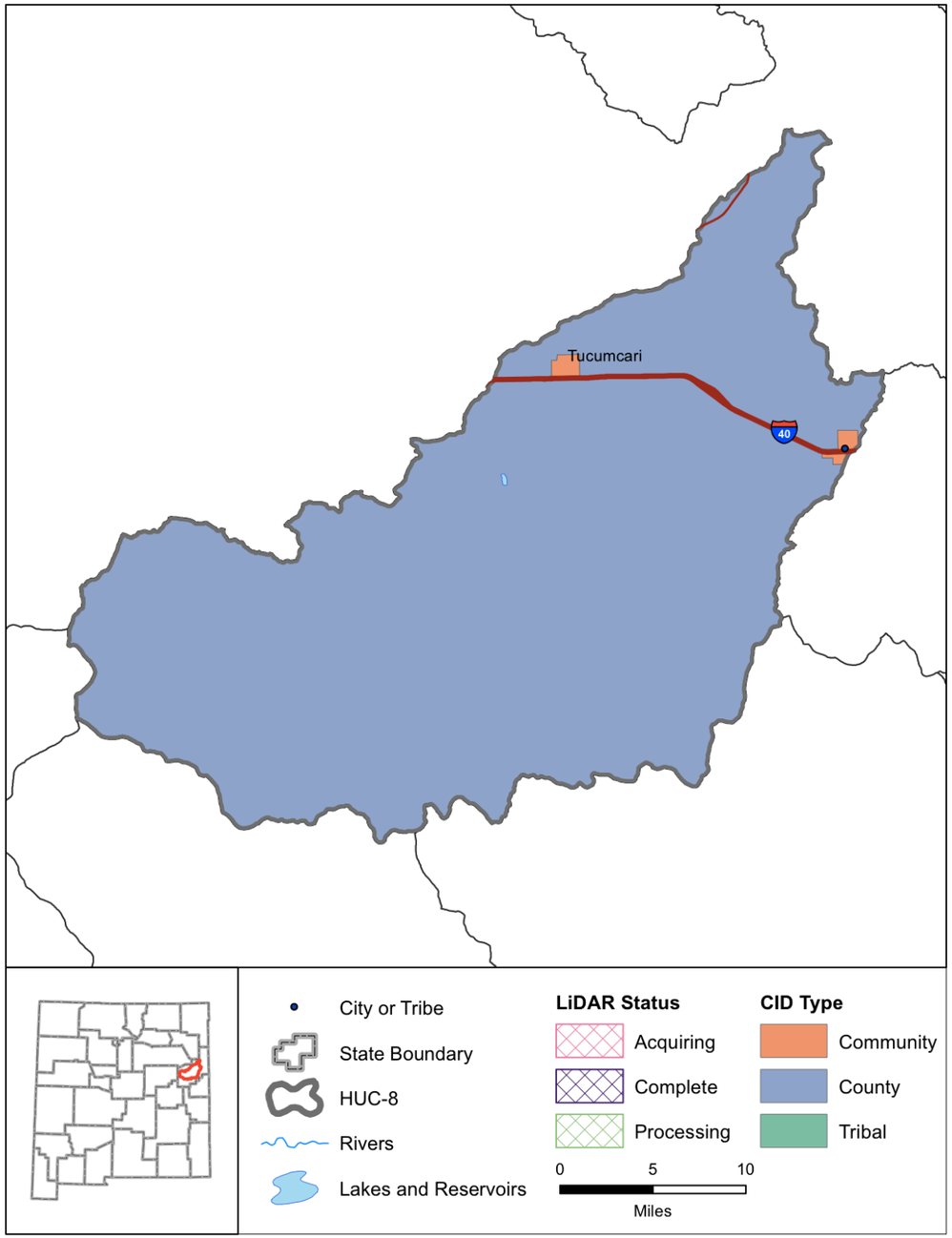
Rockfalls & Topples	11
Escarpments & Landslide Scarps	7

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	5
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	3
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	1
>1 mile	1
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	14
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	11
Total	54



Revuelto

Description

The Revuelto watershed is home to approximately 1,000 people in eastern New Mexico. The watershed contains the West Flat and Ogle Flat in the western area, and the Mesa Redonda in the central area. The primary hydrographic feature is Revuelto Creek. There is no FHBM or FIRM data for the watershed. There is no lidar data available for the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Quay

Communities

San Jon, Tucumcari

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

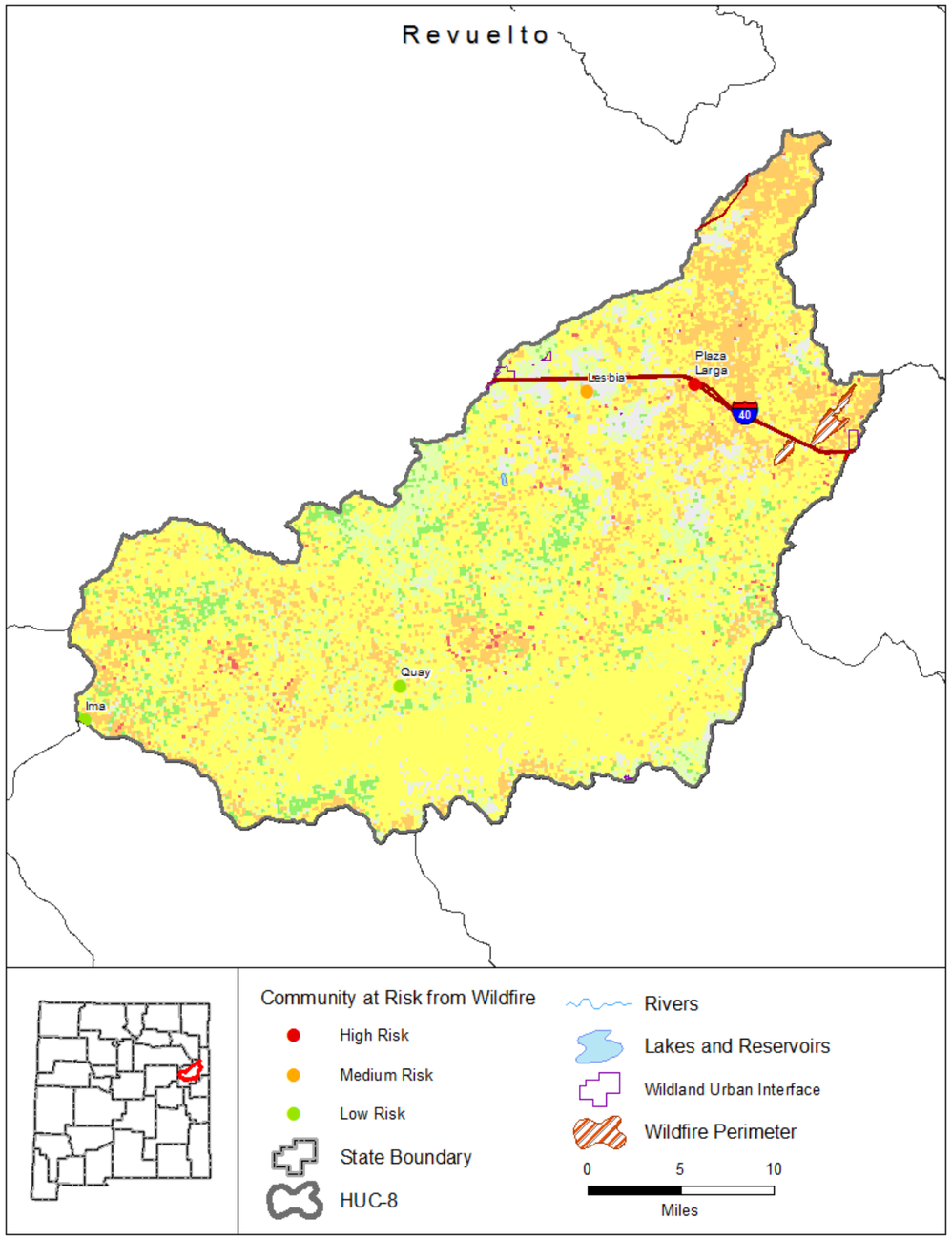
Watershed 11080008

Watershed Characteristics	
Area (sq mi)	806
Population in NM	973
CNMS Streams (mi)	0
Maximum Elevation (feet)	5,522
Minimum Elevation (feet)	3,650
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	89.63 %
State	10.08 %
Tribal	0 %
Federal	0.3 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Revuelto

Risk Rank: Medium

Description

The Revuelto watershed is at medium risk of wildfire. The community of Plaza Larga was identified as high risk in the local Community Wildfire Protection Plan. A total of 1,826 acres have burned during 2 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Quay

Communities

San Jon, Tucumcari

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Plaza Larga

Watershed 11080008

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	5%
Low	13%
Moderate	60%
High	16%
Very High	1%
Non-Burnable	5%
Water	0%

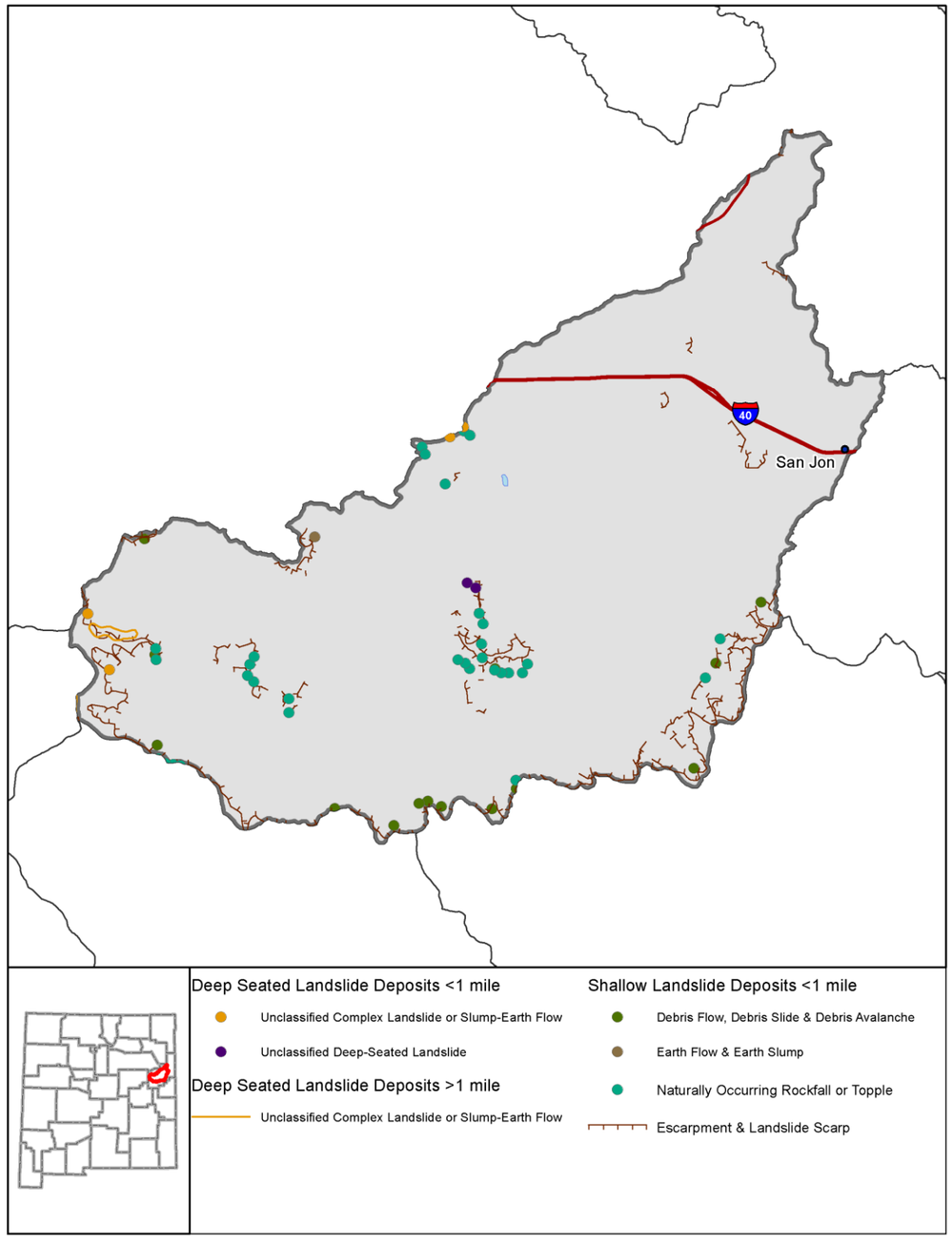
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	1,826

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.15%
	Acres
Interface	17
Intermix	781
WUI Addressed Structures	12

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	1
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Revuelto

Risk Rank: Low

Description

The Revuelto watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Quay

Communities

San Jon, Tucumcari

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	806	100%

Watershed 11080008

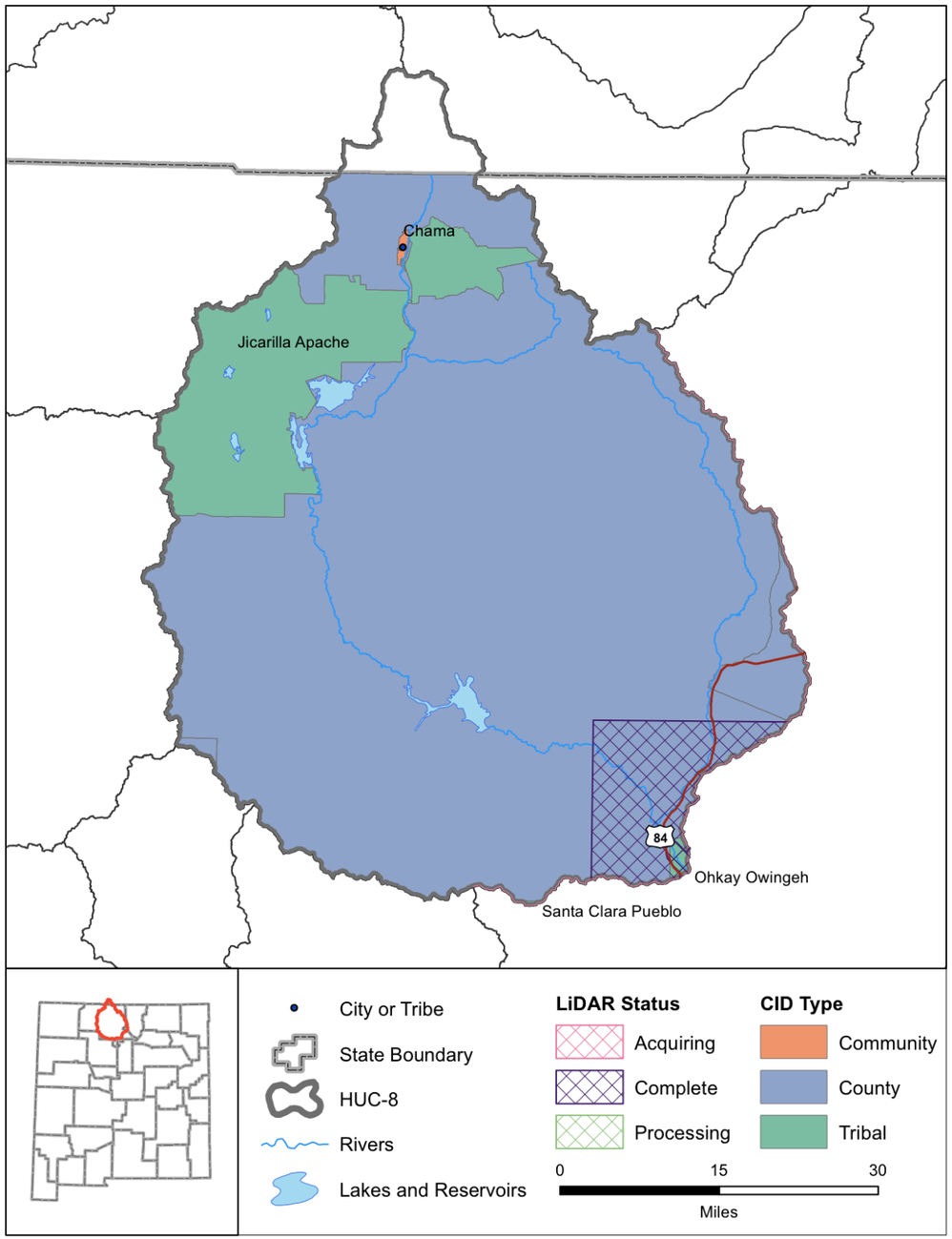
Rockfalls & Topples	28
Escarpments & Landslide Scarps	38

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	13
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	2
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	4
>1 mile	1
Total	90



Rio Chama

Description

The Rio Chama watershed is home to approximately 11,500 people in north-central New Mexico. The watershed has significant topographic relief from the San Juan and San Pedro Mountains. The Rio Chama River is the major hydrologic feature along with three large reservoirs. FIRM data is widely available throughout the watershed except for tribal land. Lidar data is currently available for the southeastern corner of the watershed with plans in the works to acquire the remainder of the watershed in 2016. This data can be used for future non-regulatory and regulatory flood risk projects.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers the southeastern corner of the watershed.

Counties

Rio Arriba, Sandoval, Taos

Communities

Chama

Tribal Nations

Jicarilla Apache Nation Reservation, Ohkay Owingeh, Santa Clara Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068016.pdf

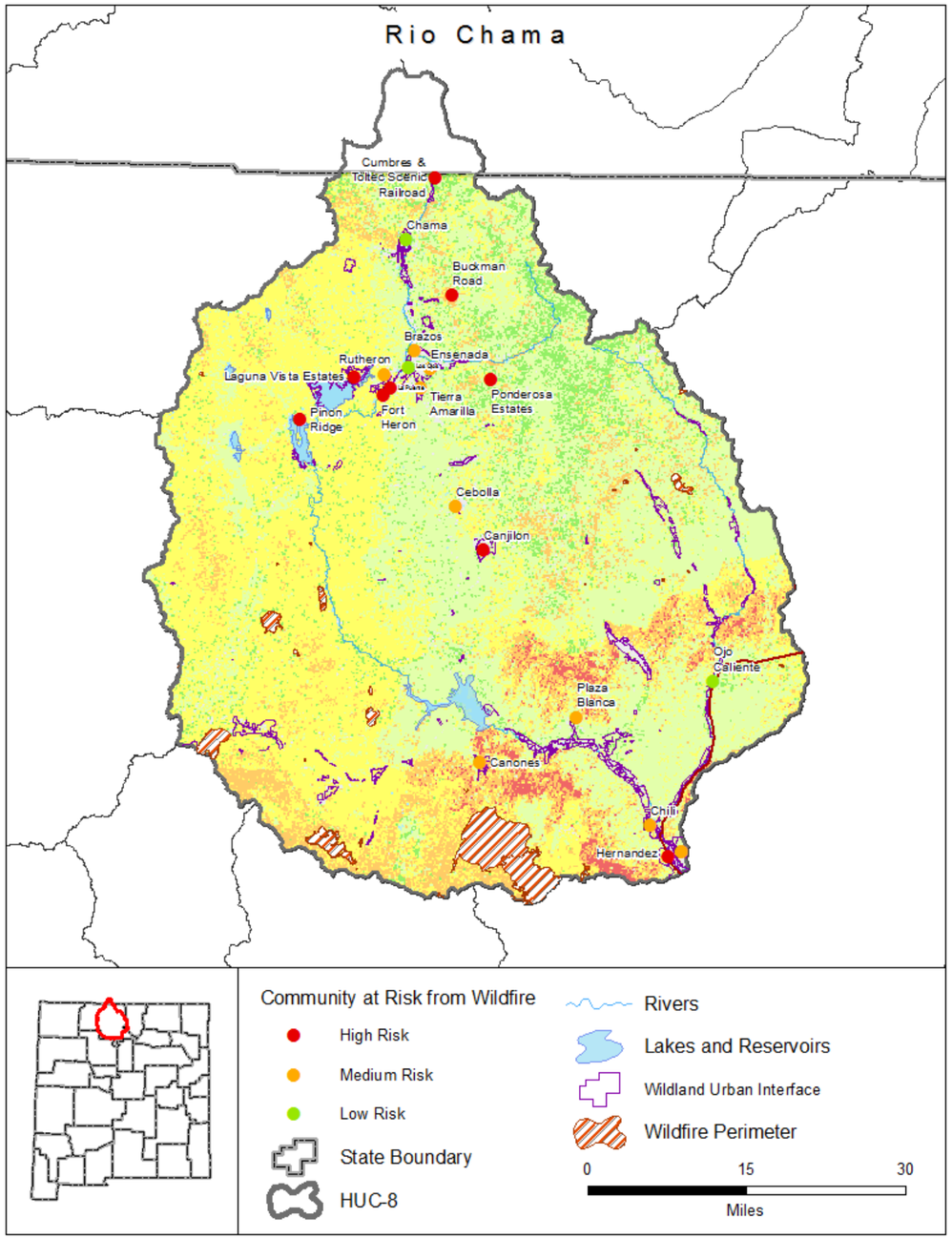
Watershed 13020102

Watershed Characteristics	
Area (sq mi)	3,157
Population in NM	11,451
CNMS Streams (mi)	695
Maximum Elevation (feet)	11,562
Minimum Elevation (feet)	5,618
High Hazard Potential Dams	7
Significant Hazard Potential Dams	2
Low Hazard Potential Dams	3

Ownership	
Percent in New Mexico	97.4 %
Private	27.69 %
State	1.44 %
Tribal	12.59 %
Federal	58.28 %
States	NM, CO

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	7
NFIP Communities	4
NFIP Policies	50
Policies within the SFHA	12
Policies outside of the SFHA	38
NFIP Premium Total	$ 42,084
NFIP Claims	7
Claims within the SFHA	3
Claims outside of the SFHA	4
Paid Claims	$ 160,155
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Chama

Risk Rank: High

Description

The Rio Chama watershed is at high risk of wildfire. The communities of Buckman Road, Canjilon, Cumbres & Toltec Scenic Railroad, Fort Heron, Hernandez, La Puente, Laguna Vista Estates, Pinon Ridge, and Ponderosa Estates were identified as high risk in the local Community Wildfire Protection Plan. A total of 39,451 acres have burned during 37 wildfire events over the last ten years. A collection of federal agencies anticipates collecting lidar in FY 2017. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017. USGS Quality Level 2 lidar data was collected by Santa Fe that covers the southeastern corner of the watershed.

Counties

Rio Arriba, Sandoval, Taos

Communities

Chama

Tribal Nations

Jicarilla Apache Nation Reservation, Ohkay Owingeh, Santa Clara Pueblo

Debris Flow Modeling

Tillery, A.C., and Haas, J.R., 2016, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Jemez Mountains, north-central New Mexico: U.S. Geological Survey Scientific-Investigations Report 2016-5101, 27 p., http://dx.doi.org/10.3133/sir20165101.

Communities at High Risk of Wildland Fire

Buckman Road, Canjilon, Cumbres & Toltec Scenic Railroad, Fort Heron, Hernandez, La Puente, Laguna Vista Estates, Pinon Ridge, Ponderosa Estates

Watershed 13020102

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	7%
Low	39%
Moderate	39%
High	10%
Very High	2%
Non-Burnable	2%
Water	1%

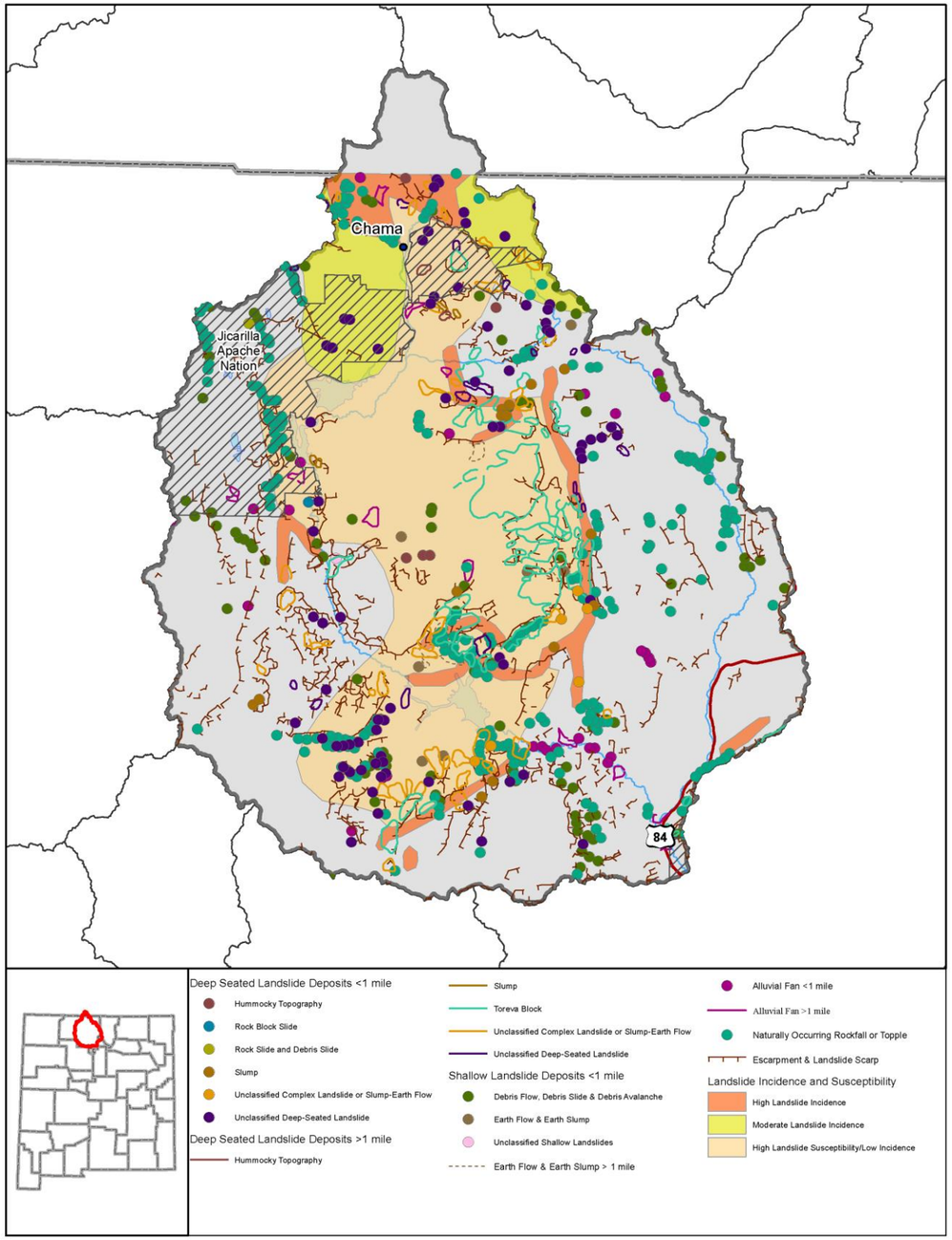
Watershed Characteristics	
Wildfires 2006-2016	37
Acres Burned 2006-2016	39,451

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.35%
Intermix	1.91%
	Acres
Interface	6,973
Intermix	37,581
WUI Addressed Structures	605

Communities at Risk from Wildland Fire	
High Risk	9
Medium Risk	9
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	43
Very High Priority	16

Vegetation Treatments 2006-2016	
Acres Treated	142,720



Rio Chama

Risk Rank: High

Description

The Rio Chama watershed is at high risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017. USGS Quality Level 2 Lidar data was collected by Santa Fe that covers the southeastern corner of the watershed.

Counties

Rio Arriba, Sandoval, Taos

Communities

Chama

Tribal Nations

Jicarilla Apache Nation Reservation, Ohkay Owingeh, Santa Clara Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	6%
High landslide incidence (> 15% of the area is involved in landsliding)	175	6%
High susceptibility to landsliding and low incidence	946	30%
Total	3075	97%

Watershed 13020102

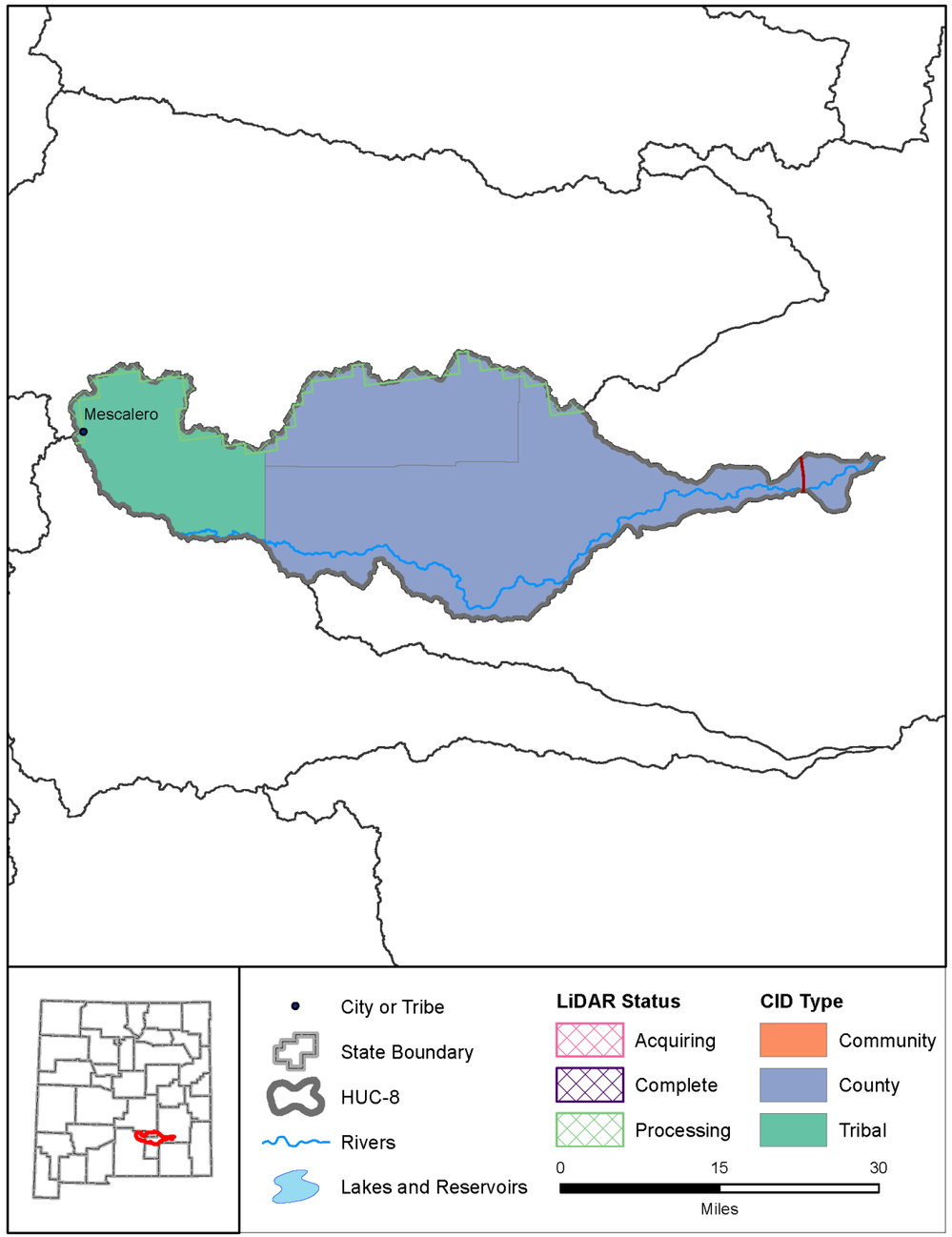
Rockfalls & Topples	259
Escarpments & Landslide Scarps	332

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	9
Earth Flow & Earth Slump>1mile	6
Debris Flow, Debris Slide & Debris Avalanche	97
Alluvial Fan < 1mile	27
Alluvial Fan >1 mile	18
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	14
Rock Slump, Debris Slum & Earth Slump > 1 mile	9
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	1
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	74
>1 mile	25
Hummocky Topography	
<1 mile	5
>1 mile	4
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	97
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	6
>1 mile	66
Total	1051



Rio Felix

Description

The Rio Felix watershed is home to fewer than 2,000 people in the south-central portion of New Mexico. The watershed has significant topographic relief from the Sacramento Mountains to the eastern plains. The Rio Felix is the primary hydroogic feature with many smaller tributaries. FIRM data is extensive throughout the watershed, except for tribal lands, but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lincoln, Otero

Communities

Hagerman

Tribal Nations

Mescalero Reservation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066951.pdf

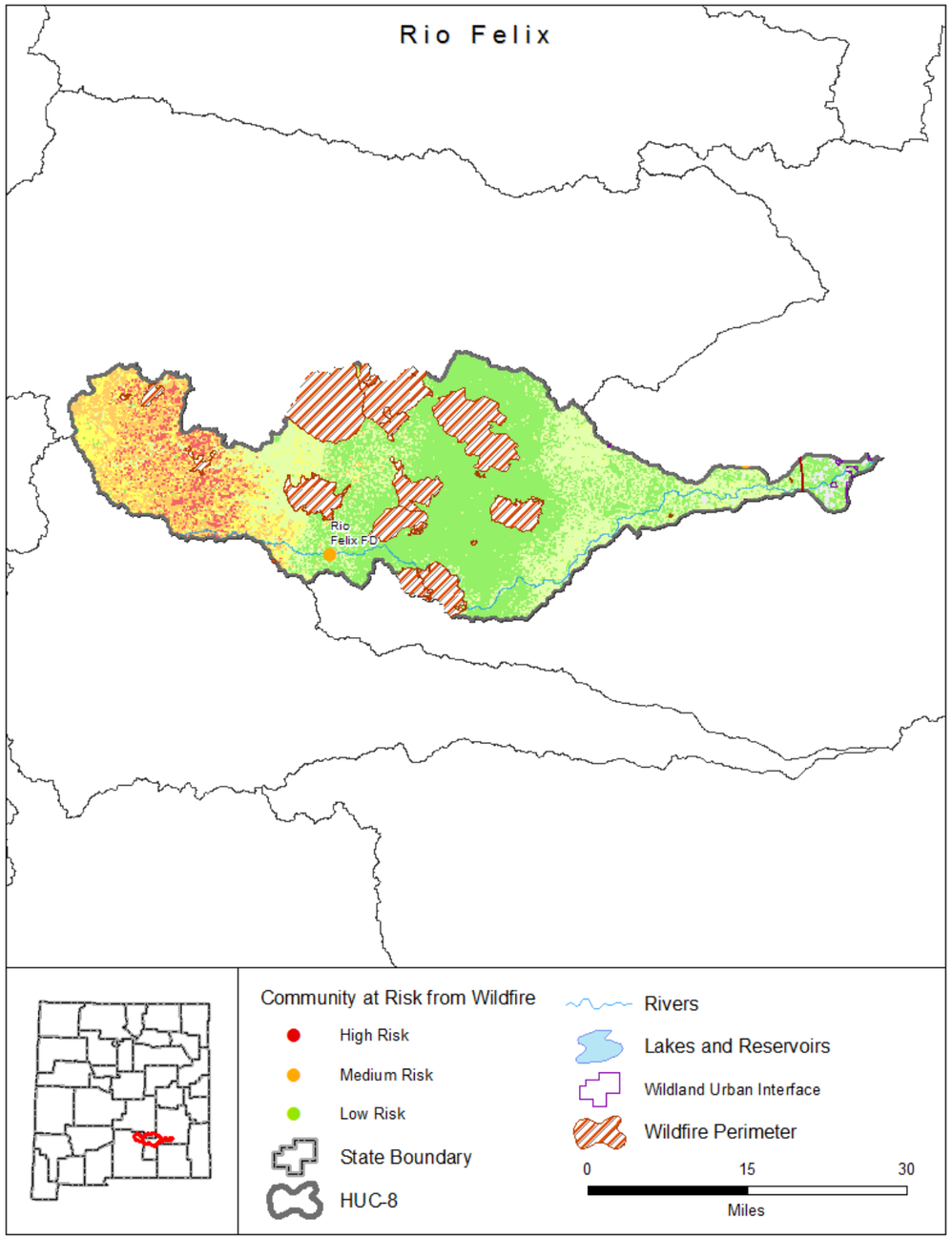
Watershed 13060009

Watershed Characteristics	
Area (sq mi)	944
Population in NM	1,864
CNMS Streams (mi)	327
Maximum Elevation (feet)	8,684
Minimum Elevation (feet)	3,380
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	47.63 %
State	4.23 %
Tribal	21.47 %
Federal	26.67 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	6
NFIP Communities	4
NFIP Policies	3
Policies within the SFHA	3
Policies outside of the SFHA	0
NFIP Premium Total	$ 3,735
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Felix

Risk Rank: Medium

Description

The Rio Felix watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 134,163 acres have burned during 40 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lincoln, Otero

Communities

Hagerman

Tribal Nations

Mescalero Reservation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13060009

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	47%
Low	28%
Moderate	10%
High	11%
Very High	4%
Non-Burnable	1%
Water	0%

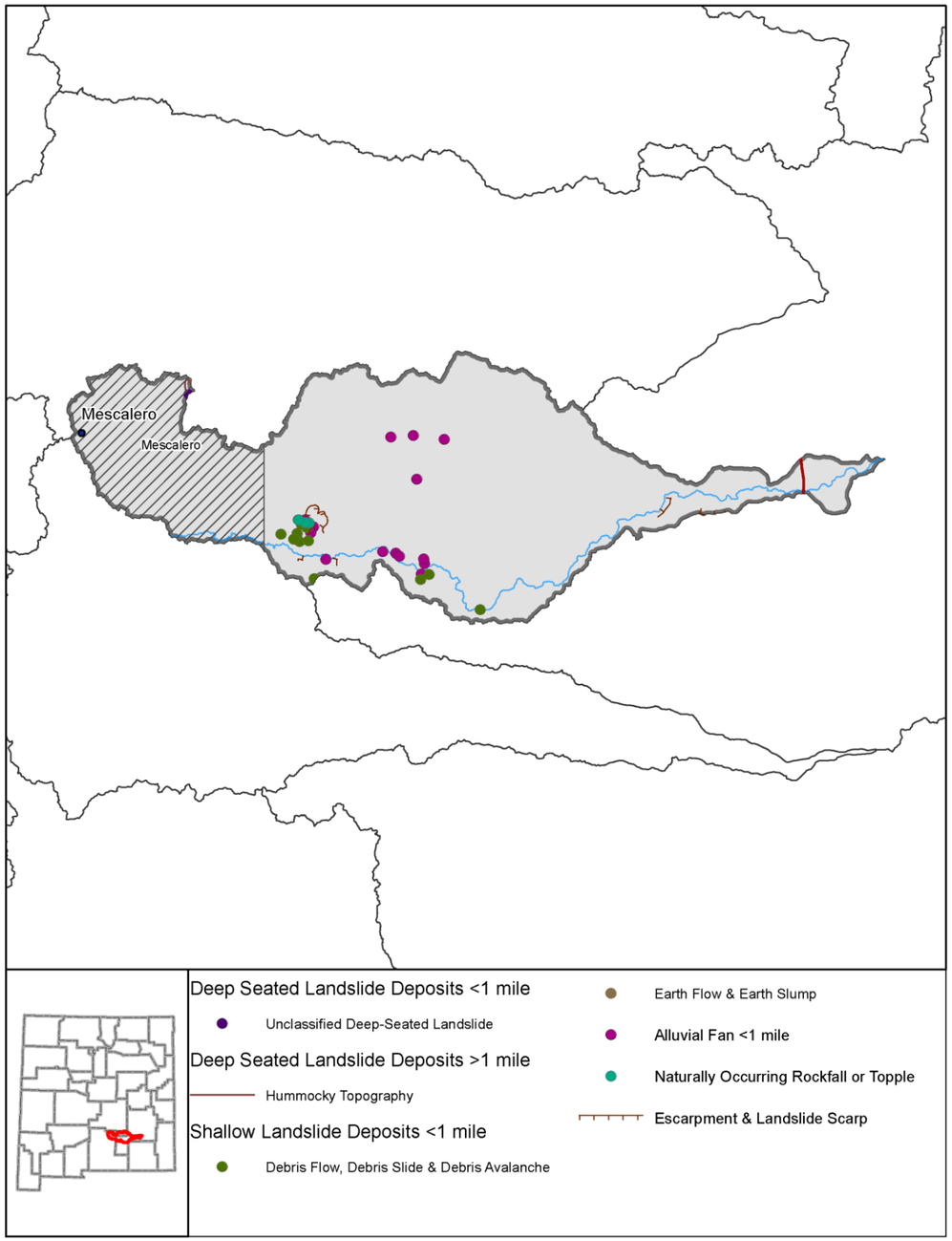
Watershed Characteristics	
Wildfires 2006-2016	40
Acres Burned 2006-2016	134,163

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.02%
Intermix	0.11%
	Acres
Interface	122
Intermix	671
WUI Addressed Structures	16

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	4
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	17,920



Rio Felix

Risk Rank: Low

Description

The Rio Felix watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Eddy, Lincoln, Otero

Communities

Hagerman

Tribal Nations

Mescalero Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	944	100%

Watershed 13060009

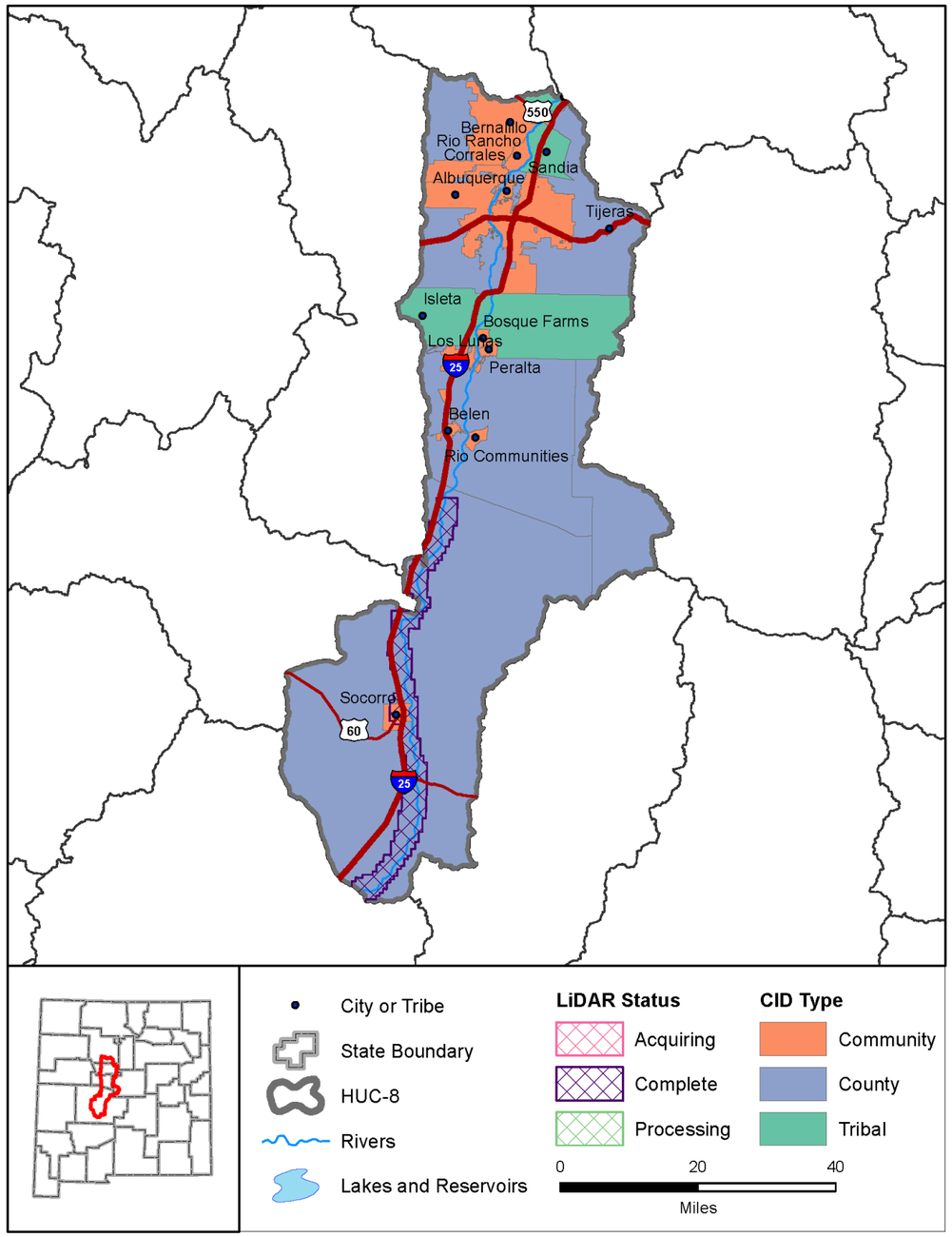
Rockfalls & Topples	3
Escarpments & Landslide Scarps	6

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	11
Alluvial Fan < 1mile	15
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	36



Rio Grande-Albuquerque

Description

The Rio Grande - Albuquerque watershed is home to approximately 800,000 people in central New Mexico. The watershed has significant topographic relief as it moves from the Manzano Mountains to the floodplain of the Rio Grande. The Rio Grande is the major hydrologic feature. FIRM data is widely available throughout the watershed except for tribal land. Torrance County has limited FHBM data. Lidar data from 2010 is available along the Middle Rio Grande corridor from the USACE. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Bernalillo, Sandoval, Socorro, Torrance, Valencia

Communities

Albuquerque, Belen, Bernalillo, Bosque Farms, Corrales, Los Lunas, Los Ranchos de Albuquerque, Peralta, Rio Communities, Rio Rancho, Socorro, Tijeras

Tribal Nations

Isleta Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, Sandia Pueblo, Santa Ana Pueblo, Zia Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/wps/portal/nrcs/main/nm/technical/dma/rwa/

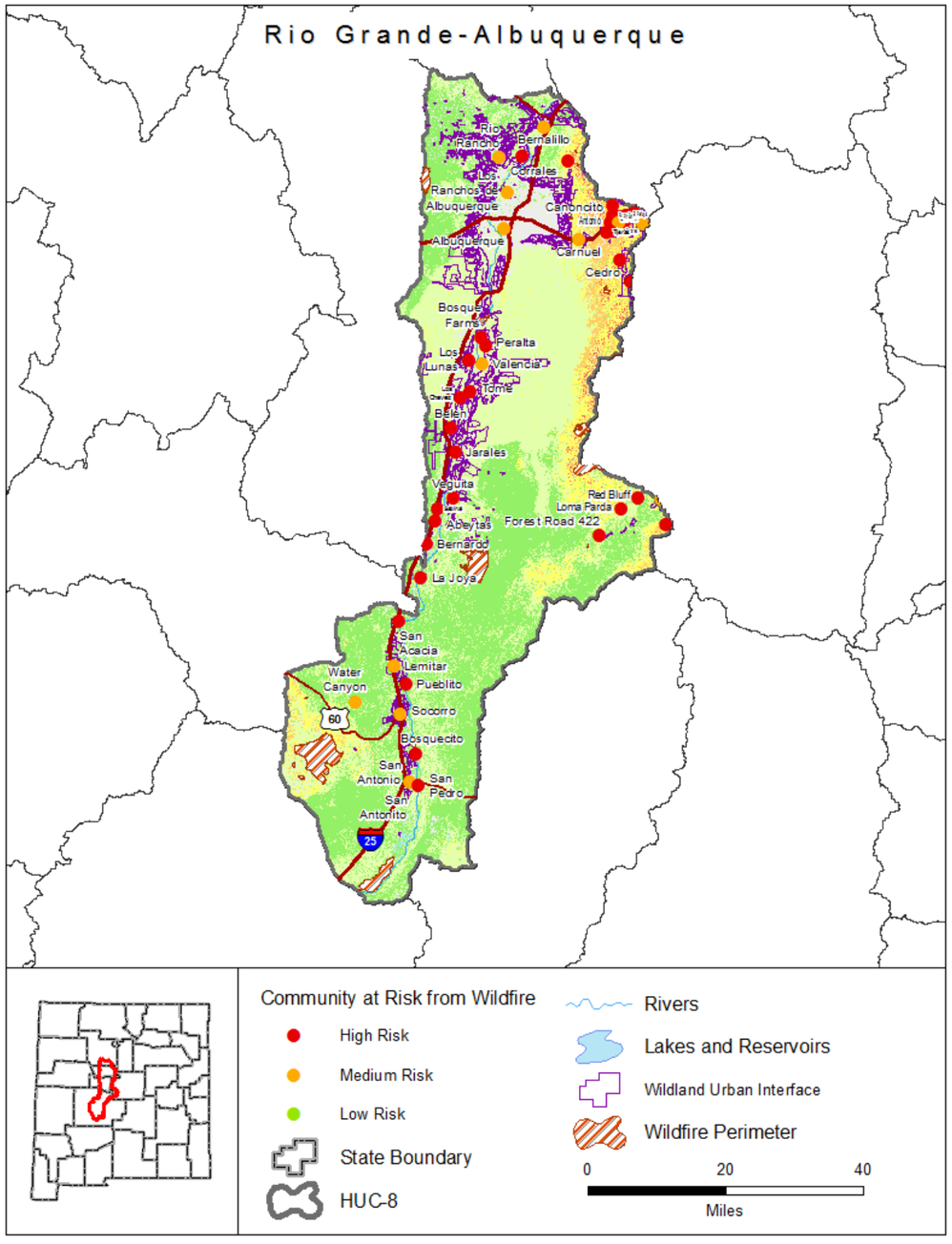
Watershed 13020203

Watershed Characteristics	
Area (sq mi)	3,215
Population in NM	818,092
CNMS Streams (mi)	1,437
Maximum Elevation (feet)	10,787
Minimum Elevation (feet)	4,464
High Hazard Potential Dams	36
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	51.2 %
State	4.9 %
Tribal	10.09 %
Federal	33.82 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	22
NFIP Communities	17
NFIP Policies	6566
Policies within the SFHA	5142
Policies outside of the SFHA	1424
NFIP Premium Total	$ 5,598,641
NFIP Claims	272
Claims within the SFHA	136
Claims outside of the SFHA	136
Paid Claims	$ 1,378,493
Repetitive Loss Structures	2
Repetitive Loss Claims	4
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 47,505



Rio Grande-Albuquerque

Risk Rank: High

Description

The Rio Grande - Albuquerque watershed is at high risk of wildfire. A total of 35 communities were identified as high risk in the local Community Wildfire Protection Plan. A total of 36,899 acres have burned during 20 wildfire events over the last ten years. A collection of federal agencies anticipates collecting lidar in FY 2017 for a portion of the northeastern corner of the watershed. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017 for a portion of the northeastern corner of the watershed. The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Bernalillo, Sandoval, Socorro, Torrance, Valencia

Communities

Albuquerque, Belen, Bernalillo, Bosque Farms, Corrales, Los Lunas, Los Ranchos de Albuquerque, Peralta, Rio Communities, Rio Rancho, Socorro, Tijeras

Tribal Nations

Isleta Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, Sandia Pueblo, Santa Ana Pueblo, Zia Pueblo

Debris Flow Modeling

Tillery, A.C., Haas, J.R., Miller, L.W., Scott, J.H., and Thompson, M.P., 2014, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Sandia and Manzano Mountains and surrounding areas, Central New Mexico: U.S. Geological Survey Scientific Investigations Report 2014–5161, 24 p. with appendix, http://dx.doi.org/10.3133/sir20145161.

Communities at High Risk of Wildland Fire

Abeytas, Belen, Bernardo, Bosque Farms, Bosquecito, Canoncito, Canyon Estates, Cedar Crest, Cedro, Corrales, Deer Canyon Preserve, Dennis Chavez Estates, El Refugio, El Tablazon, Evergreen Hills Subdivision, Forest Park, Forest Road 422, Jarales, La Joya, Loma Parda, Los Chavez, Los Lunas, Peralta, Ponderosa Pine, Primera Agua, Pueblito, Red Bluff, Rincon, Sabinal, San Acacia, San Antonio, San Pedro, Tijeras, Tome, Veguita

Watershed 13020203

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	39%
Low	40%
Moderate	8%
High	3%
Very High	1%
Non-Burnable	8%
Water	1%

Watershed Characteristics

Wildfires 2006-2016	20
Acres Burned 2006-2016	36,899

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	4.75%
Intermix	5.29%
	Acres
Interface	97,745
Intermix	108,784
WUI Addressed Structures	1957

Communities at Risk from Wildland Fire

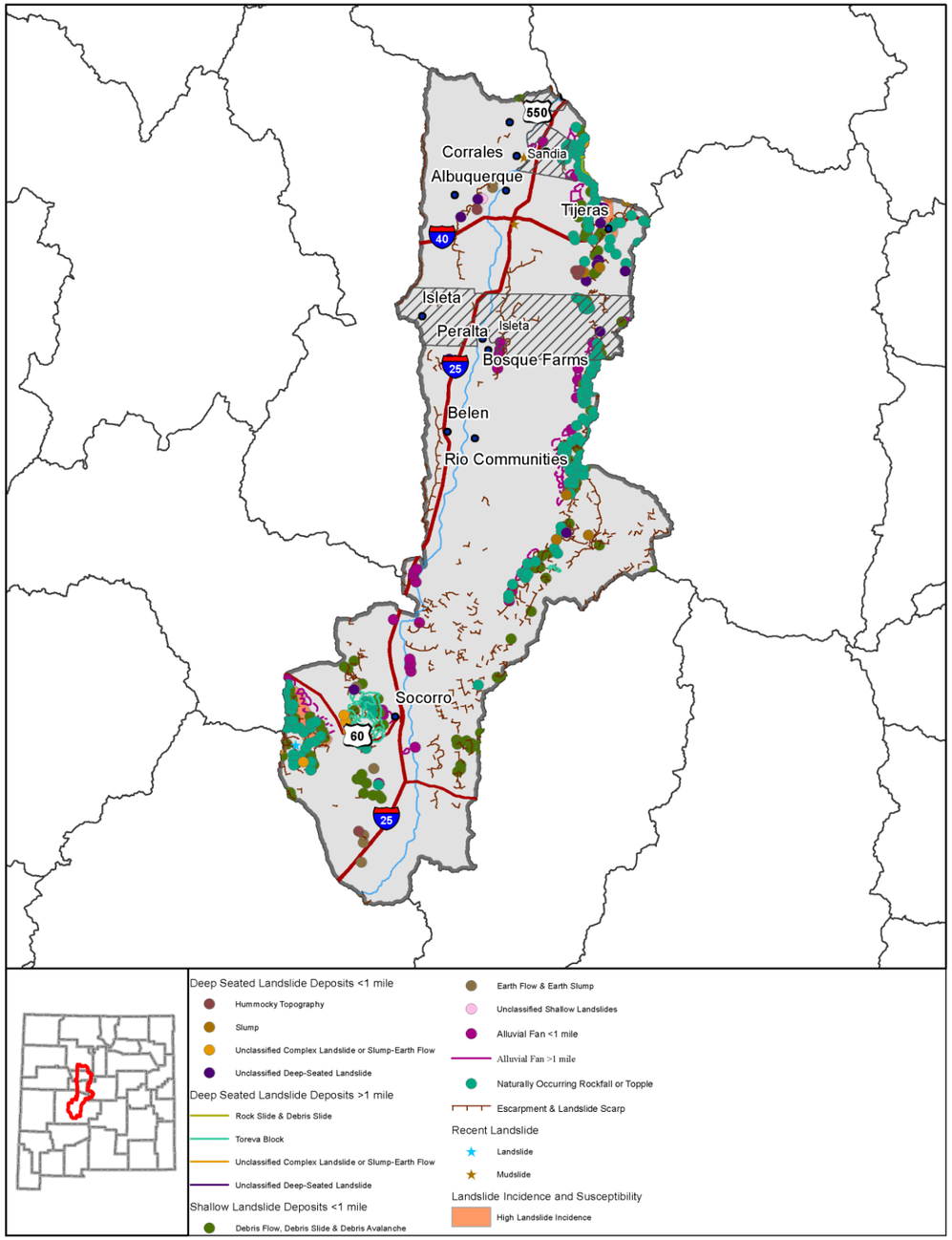
High Risk	35
Medium Risk	13
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	10
Very High Priority	2

Vegetation Treatments 2006-2016

Acres Treated	63,360



Rio Grande-Albuquerque

Risk Rank: Medium

Description

The Rio Grande - Albuquerque watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies and local government agencies anticipates collecting USGS QL2 Lidar in 2017-2018. The USACE collected Lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Bernalillo, Sandoval, Socorro, Torrance, Valencia

Communities

Albuquerque, Belen, Bernalillo, Bosque Farms, Corrales, Los Lunas, Los Ranchos de Albuquerque, Peralta, Rio Communities, Rio Rancho, Socorro, Tijeras

Tribal Nations

Isleta Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, Sandia Pueblo, Santa Ana Pueblo, Zia Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	38	1%
High susceptibility to landsliding and low incidence	0	0%
Total	3215	100%

Watershed 13020203

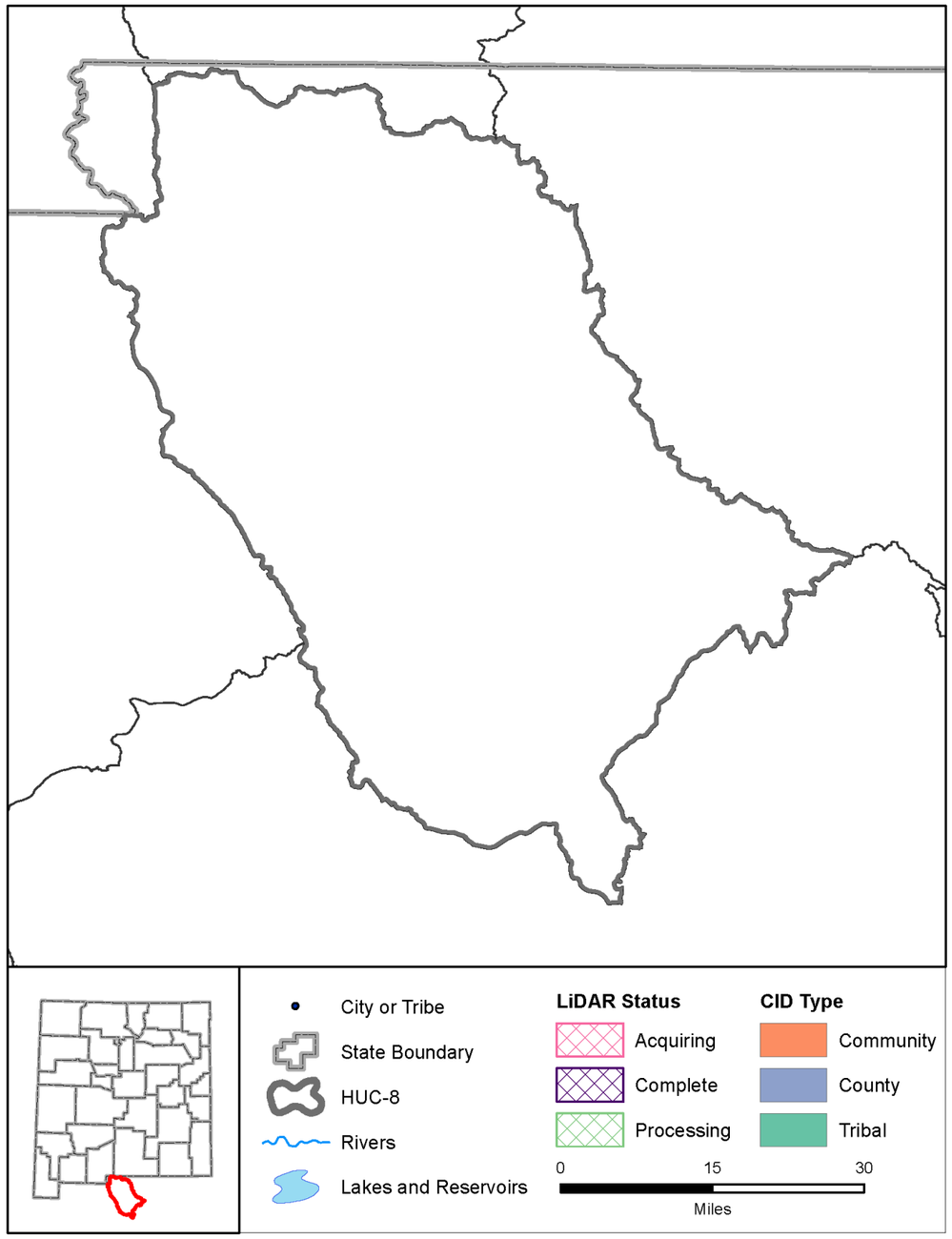
Rockfalls & Topples	166
Escarpments & Landslide Scarps	333

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	9
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	113
Alluvial Fan < 1mile	35
Alluvial Fan >1 mile	62
Unclassified Shallow Landslides	2

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	5
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	1
Unclassified Deep-Seated landslide	
<1 mile	13
>1 mile	1
Hummocky Topography	
<1 mile	5
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	20
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	4
>1 mile	1
Total	773



Rio Grande-Fort Quitman

Description

The Rio Grande - Fort Quitman watershed has less than 1 square mile within New Mexico. This watershed should be studied as a joint project with Texas.

Lidar Data Availability

No significant lidar available.

Counties

No counties within this watershed

Communities

Sunland Park

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

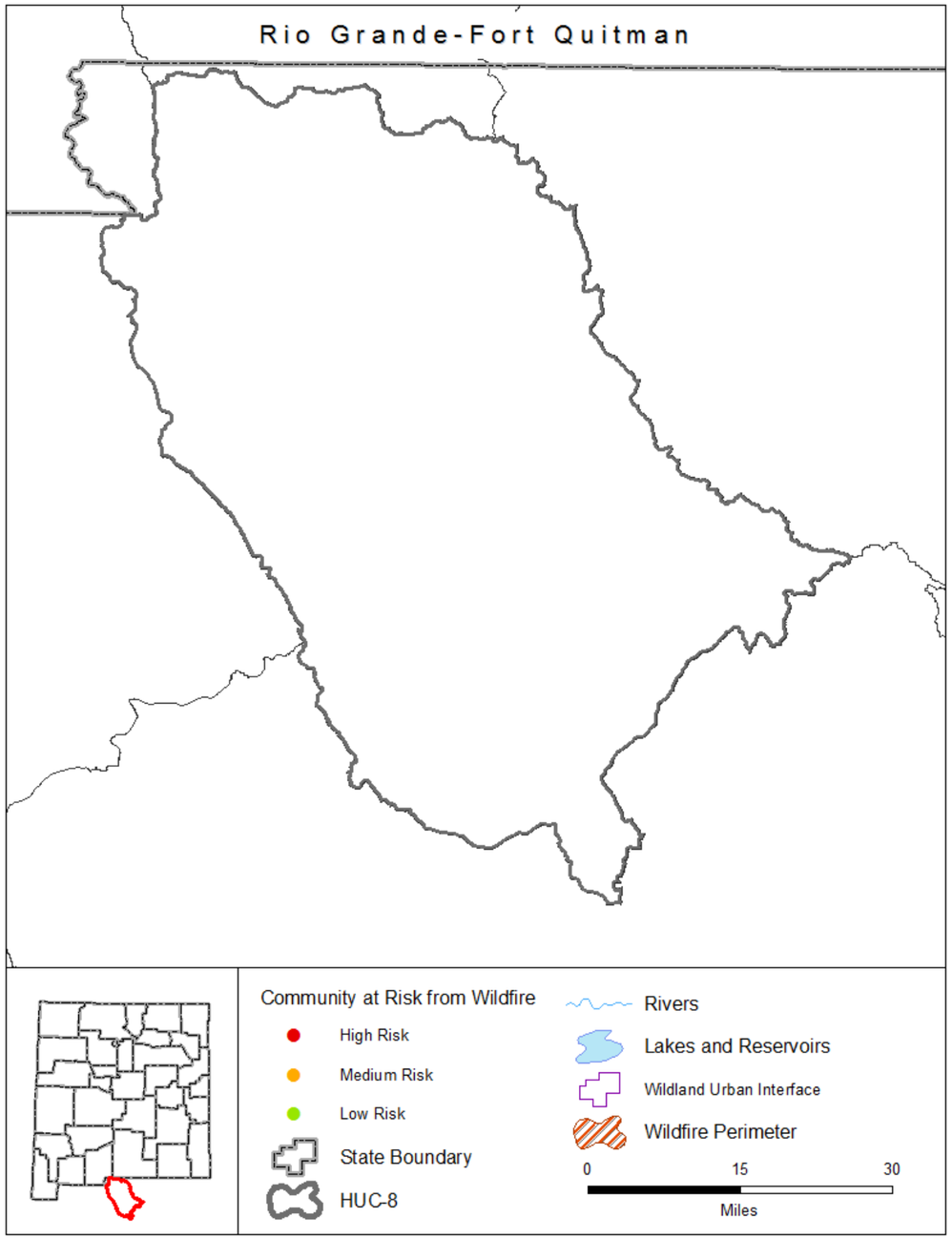
Watershed 13040100

Watershed Characteristics	
Area (sq mi)	3,103
Population in NM	0
CNMS Streams (mi)	0
Maximum Elevation (feet)	4,629
Minimum Elevation (feet)	3,728
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	0 %
Private	94.24 %
State	0 %
Tribal	0 %
Federal	0 %
States	MX, TX, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Grande-Fort Quitman

Risk Rank: Low

Description

The Rio Grande - Fort Quitman watershed at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

No counties within this watershed

Communities

Sunland Park

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 13040100

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	100%
Low	0%
Moderate	0%
High	0%
Very High	0%
Non-Burnable	0%
Water	0%

Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0

Rio Grande-Fort Quitman

Risk Rank: None/Unknown

Description

The Rio Grande - Fort Quitman watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

No counties within this watershed

Communities

Sunland Park

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	0	0%

Watershed 13040100

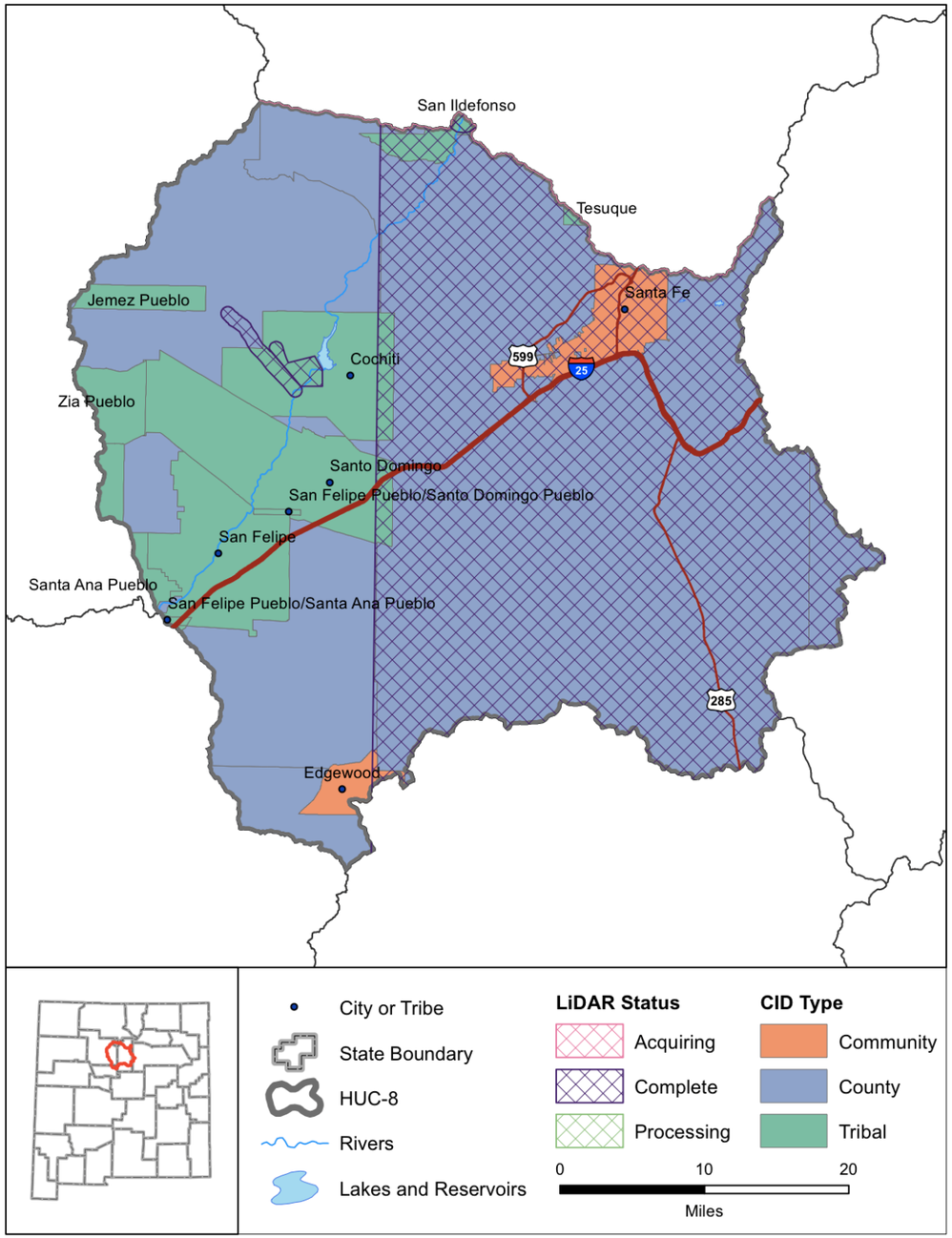
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Rio Grande-Santa Fe

Description

The Rio Grande - Santa Fe watershed is home to approximately 140,000 people in central New Mexico. The watershed has significant topographic relief from the Sangre de Cristo Mountains. The Rio Grande River is the major hydrologic feature. FIRM data is widely available throughout the watershed except for tribal land. Lidar data was collected in 2014 by Santa Fe County for the central and eastern part of the watershed. This data can be used for use in future non-regulatory and regulatory flood risk projects. The data was not collected to watershed boundaries so an evaluation of HUC-10's needs to be made to determine areas with sufficient lidar coverage.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers the central and eastern section of the watershed. Data should be delivered by the end of 2015. The USACE collected post-wildfire QL2 lidar for Peralta Creek in 2013.

Counties

Bernalillo, Los Alamos, San Miguel, Sandoval, Santa Fe

Communities

Edgewood, Santa Fe

Tribal Nations

Jemez Pueblo, Pueblo de Cochiti, San Felipe Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, San Felipe Pueblo/Santo Domingo Pueblo joint-use area, San Ildefonso Pueblo, Santa Ana Pueblo, Santo Domingo Pueblo, Tesuque Pueblo, Zia Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068017.pdf

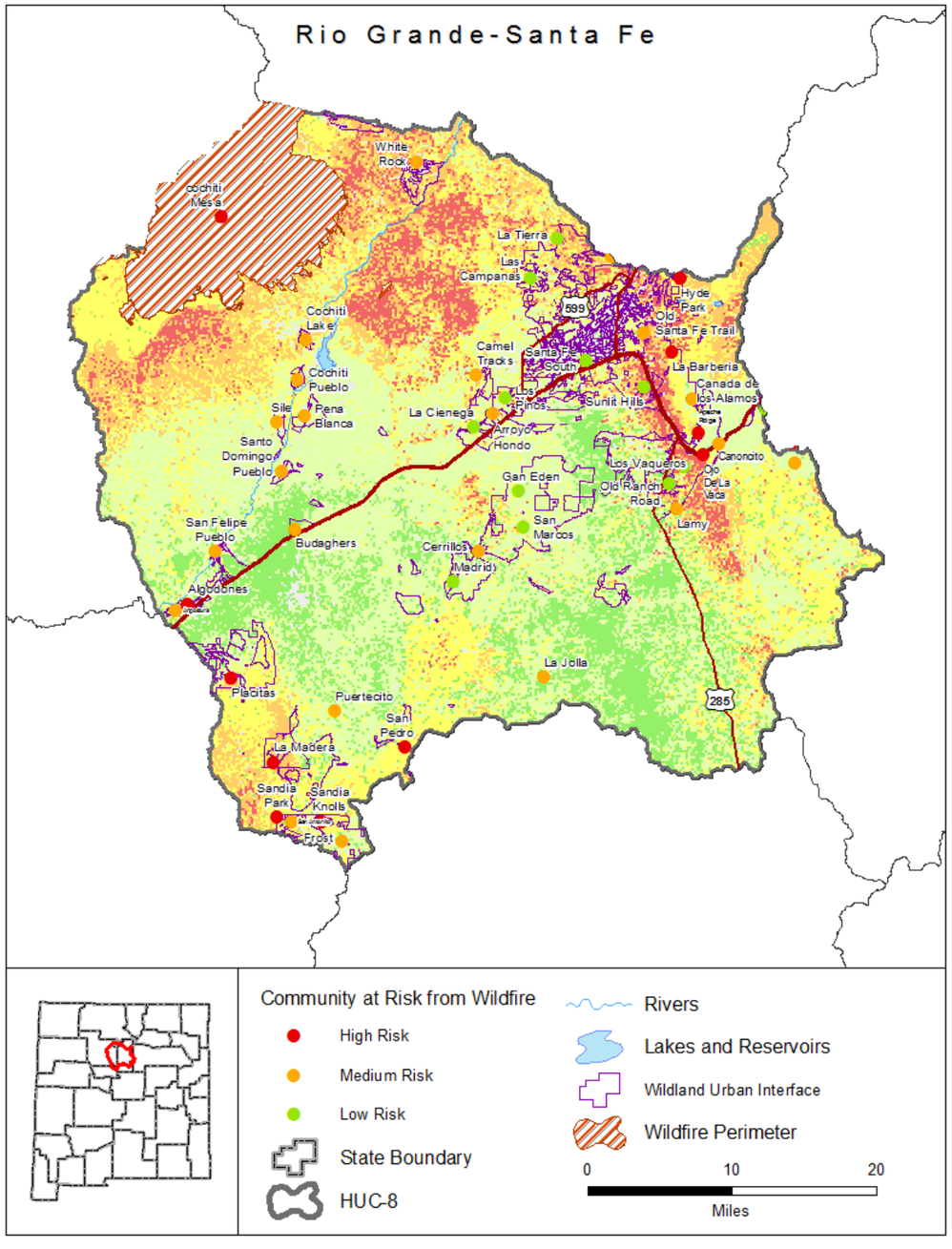
Watershed 13020201

Watershed Characteristics	
Area (sq mi)	1,871
Population in NM	139,942
CNMS Streams (mi)	611
Maximum Elevation (feet)	12,416
Minimum Elevation (feet)	5,068
High Hazard Potential Dams	5
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	46.29 %
State	3.55 %
Tribal	21.62 %
Federal	28.54 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	17
NFIP Communities	7
NFIP Policies	411
Policies within the SFHA	136
Policies outside of the SFHA	275
NFIP Premium Total	$ 361,306
NFIP Claims	18
Claims within the SFHA	2
Claims outside of the SFHA	16
Paid Claims	$ 171,773
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Grande-Santa Fe

Risk Rank: High

Description

The Rio Grande - Santa Fe watershed is at high risk of wildfire. The communities of Algodones, Apache Rdige, Cochiti Mesa, Hyde Park, La Barberia, La Madera, Ojo De La Vaca, Placitas, San Pedro, Sandia Knolls, and Sandia Park were identified as high risk in the local Community Wildfire Protection Plan. A total of 89,310 acres have burned during 17 wildfire events over the last ten years. A collection of federal agencies anticipates collecting lidar in FY 2017. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017. USGS Quality Level 2 lidar data was collected by Santa Fe that covers the central and eastern section of the watershed. The USACE collected post-wildfire QL2 lidar for Pe

Counties

Bernalillo, Los Alamos, San Miguel, Sandoval, Santa Fe

Communities

Edgewood, Santa Fe

Tribal Nations

Jemez Pueblo, Pueblo de Cochiti, San Felipe Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, San Felipe Pueblo/Santo Domingo Pueblo joint-use area, San Ildefonso Pueblo, Santa Ana Pueblo, Santo Domingo Pueblo, Tesuque Pueblo, Zia Pueblo

Debris Flow Modeling

Tillery, A.C., Haas, J.R., Miller, L.W., Scott, J.H., and Thompson, M.P., 2014, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Sandia and Manzano Mountains and surrounding areas, Central New Mexico: U.S. Geological Survey Scientific Investigations Report 2014–5161, 24 p. with appendix, http://dx.doi.org/10.3133/sir20145161.

Communities at High Risk of Wildland Fire

Algodones, Apache Rdige, Cochiti Mesa, Hyde Park, La Barberia, La Madera, Ojo De La Vaca, Placitas, San Pedro, Sandia Knolls, Sandia Park

Watershed 13020201

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	12%
Low	37%
Moderate	26%
High	15%
Very High	7%
Non-Burnable	2%
Water	0%

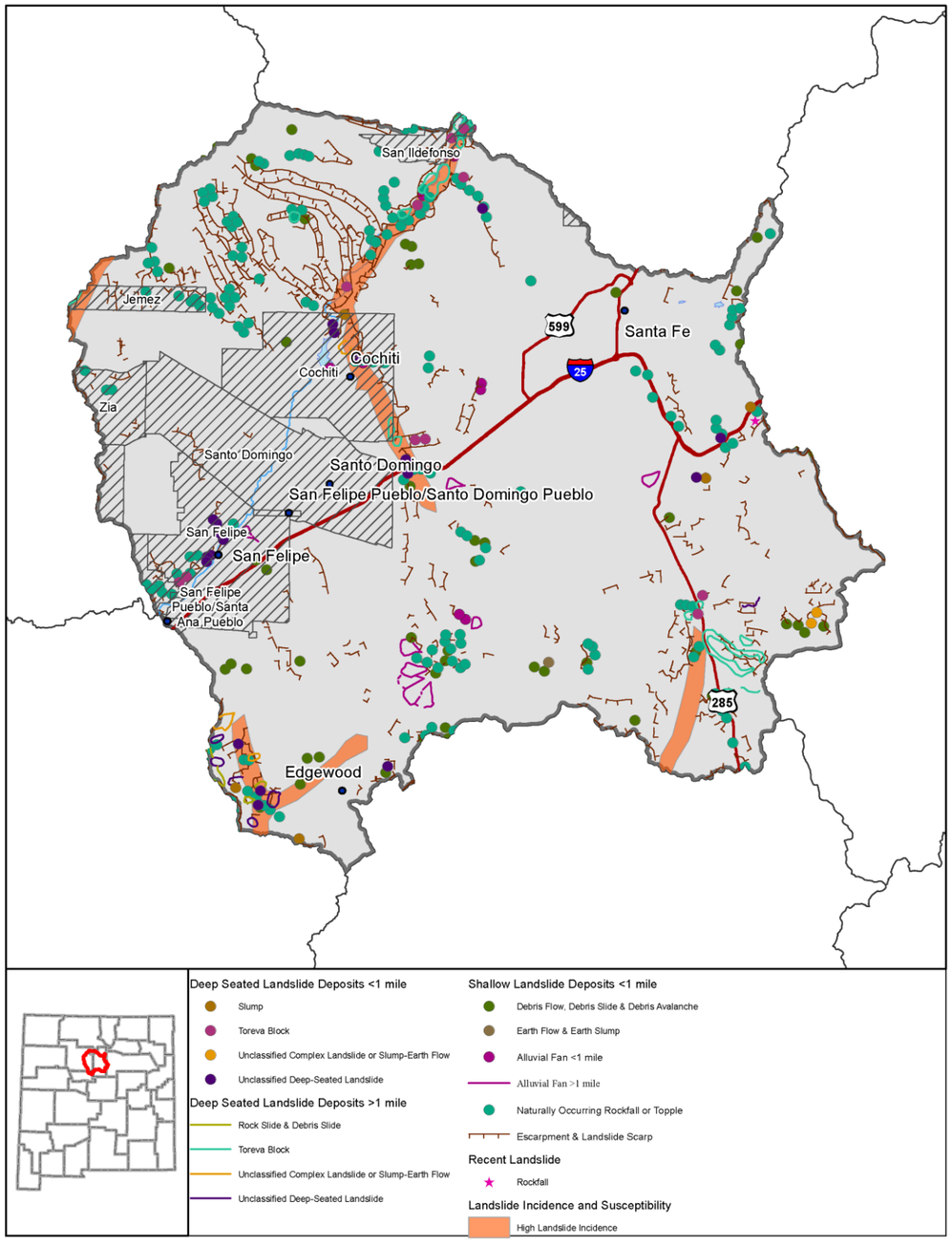
Watershed Characteristics	
Wildfires 2006-2016	17
Acres Burned 2006-2016	89,310

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.84%
Intermix	12.68%
	Acres
Interface	10,055
Intermix	151,773
WUI Addressed Structures	1477

Communities at Risk from Wildland Fire	
High Risk	11
Medium Risk	21
Low Risk	11

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	9
Very High Priority	8

Vegetation Treatments 2006-2016	
Acres Treated	5,760



Rio Grande-Santa Fe

Risk Rank: Medium

Description

The Rio Grande - Santa Fe watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017. USGS Quality Level 2 Lidar data was collected by Santa Fe that covers the central and eastern section of the watershed. The USACE collected post-wildfire QL2 Lidar for Peralta Creek in 2013

Counties

Bernalillo, Los Alamos, San Miguel, Sandoval, Santa Fe

Communities

Edgewood, Santa Fe

Tribal Nations

Jemez Pueblo, Pueblo de Cochiti, San Felipe Pueblo, San Felipe Pueblo/Santa Ana Pueblo joint-use area, San Felipe Pueblo/Santo Domingo Pueblo joint-use area, San Ildefonso Pueblo, Santa Ana Pueblo, Santo Domingo Pueblo, Tesuque Pueblo, Zia Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	7	4%
High susceptibility to landsliding and low incidence	0	0%
Total	1871	100%

Watershed 13020201

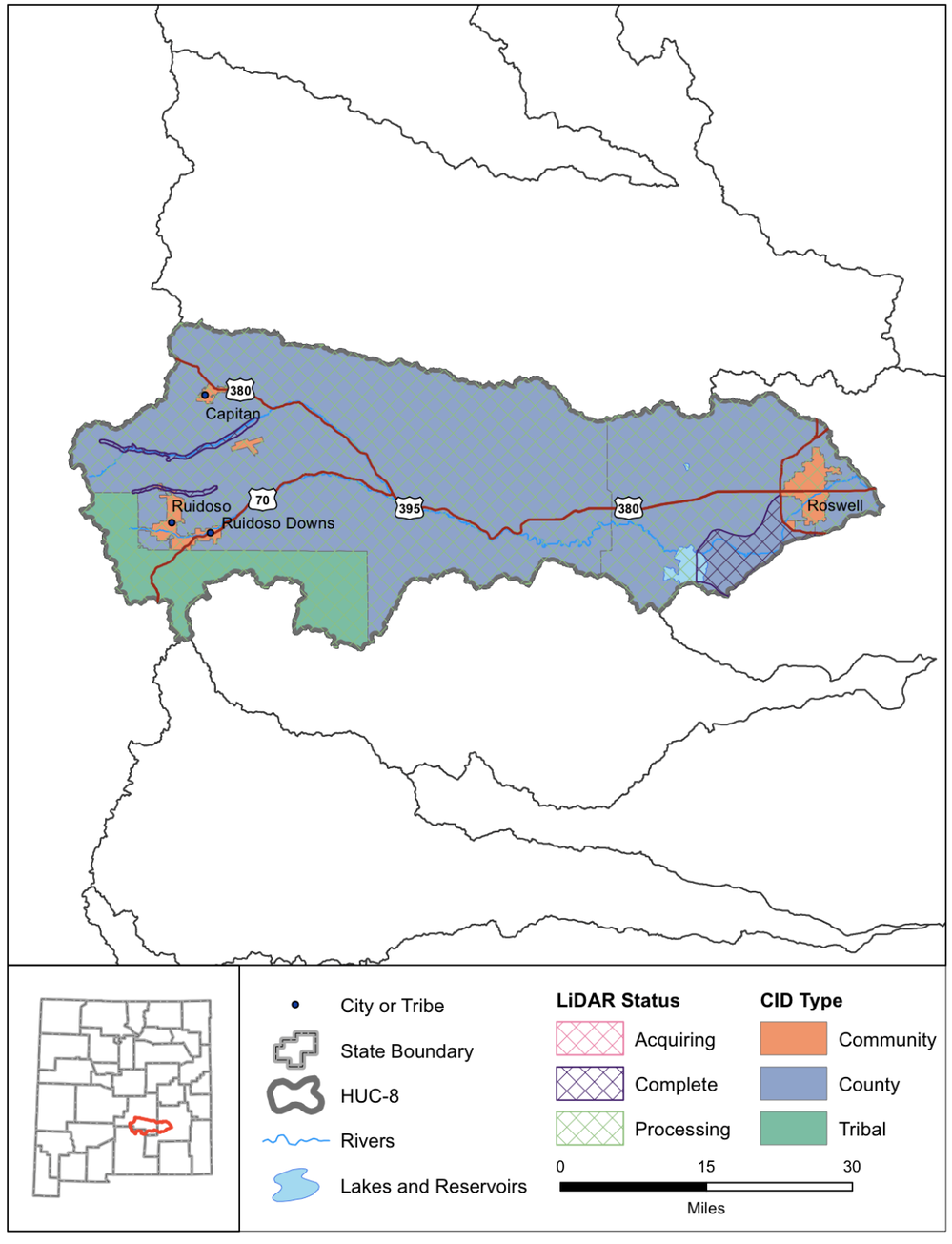
Rockfalls & Topples	158
Escarpments & Landslide Scarps	270

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	48
Alluvial Fan < 1mile	10
Alluvial Fan >1 mile	13
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	5
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	3
Unclassified Deep-Seated landslide	
<1 mile	20
>1 mile	6
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	11
>1 mile	16
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	3
Total	567



Rio Hondo

Description

The Rio Hondo watershed is home to nearly 70,000 people in the south-central portion of New Mexico. The watershed has significant topograph relief from the Sacramento Mountains to the eastern plains. The Rio Hondo River is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive throughout the watershed, except within tribal lands, and lidar data will be available in 2015. The Risk MAP process is ongoing with a First Order Approximation study planned for 2015-2016.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected in the fall of 2014 for the entire watershed with an expected delivery in fall or 2015. The USACE collected lidar for the Two Rivers Drainage Area in 2009. The USACE collected post-wildfire lidar data in 2013

Counties

Chaves, Lincoln, Otero

Communities

Capitan, Roswell, Ruidoso, Ruidoso Downs

Tribal Nations

Mescalero Reservation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066950.pdf

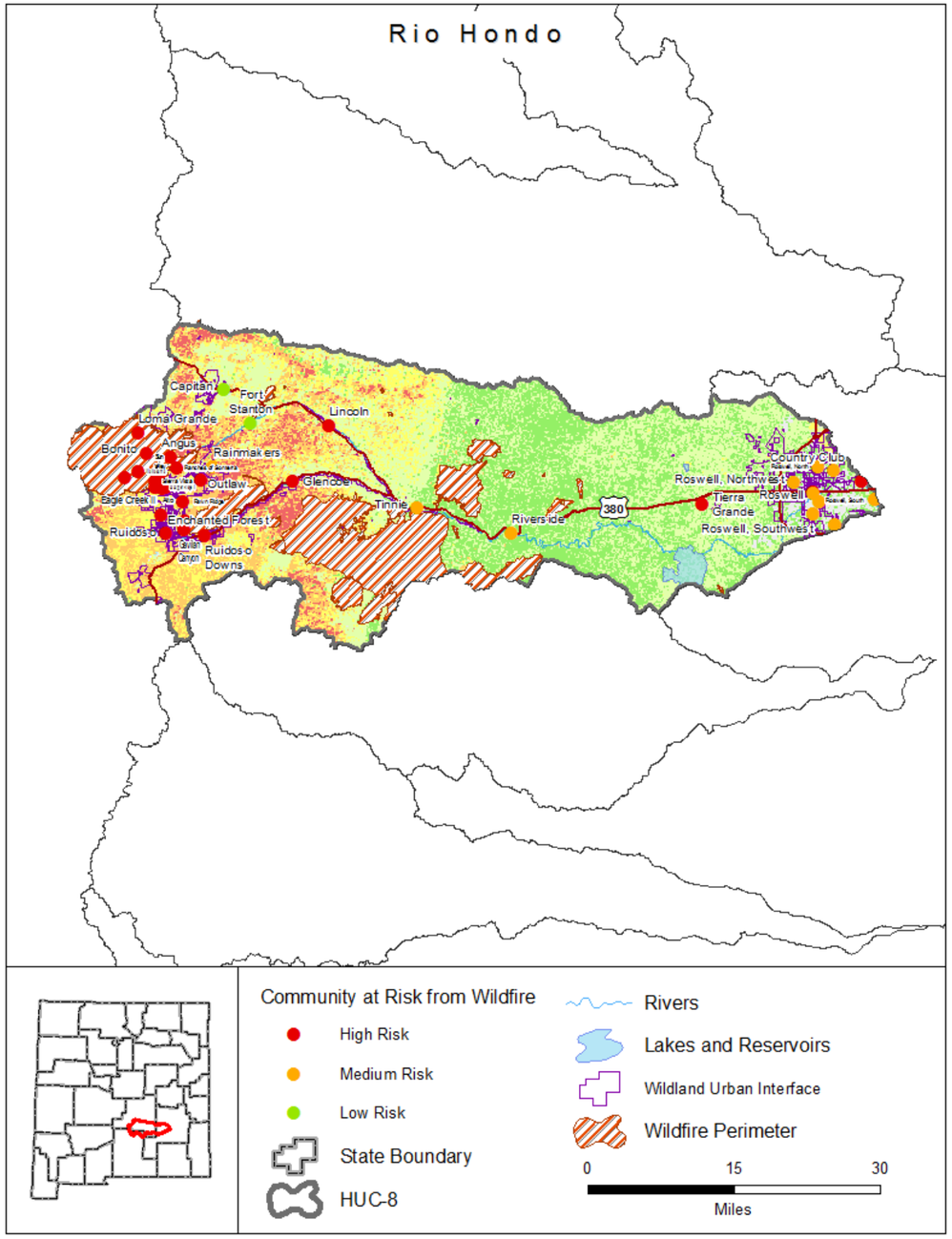
Watershed 13060008

Watershed Characteristics	
Area (sq mi)	1,662
Population in NM	64,622
CNMS Streams (mi)	499
Maximum Elevation (feet)	11,982
Minimum Elevation (feet)	3,453
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	57.66 %
State	3.61 %
Tribal	10.81 %
Federal	27.92 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	8
NFIP Communities	7
NFIP Policies	716
Policies within the SFHA	327
Policies outside of the SFHA	389
NFIP Premium Total	$ 513,271
NFIP Claims	115
Claims within the SFHA	39
Claims outside of the SFHA	76
Paid Claims	$ 2,368,369
Repetitive Loss Structures	2
Repetitive Loss Claims	4
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 30,410



Rio Hondo

Risk Rank: High

Description

The Rio Hondo watershed is at high risk of wildfire. The communities of Alto, Angus, Bonito, Cedar Creek - Alpine Village, Copper Ridge, Copper Ridge II, Eagle Creek, Eagle Creek II, Enchanted Forest, Fawn Ridge, Gavilan Canyon, Glencoe, Lincoln, Loma Grande, Outlaw, Ranches of Sonterra, Roswell, "Roswell, Northeast", Ruidoso, Ruidoso Downs, Sierra Vista, Sun Valley, Tierra Grande, and Villa Madonna were identified as high risk in the local Community Wildfire Protection Plan. A total of 165,007 acres have burned during 38 wildfire events over the last ten years. Lidar data was collected in 2014 by FEMA. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected in the fall of 2014 by FEMA. The USACE collected lidar for the Two Rivers Drainage Area in 2009. The USACE collected post-wildfire lidar data in 2013 for Bonito Creek and Eagle Creek.

Counties

Chaves, Lincoln, Otero

Communities

Capitan, Roswell, Ruidoso, Ruidoso Downs

Tribal Nations

Mescalero Reservation

Debris Flow Modeling

Tillery, A.C., and Matherne, A.M., 2013, Postwildfire debris-flow hazard assessment of the area burned by the 2012 Little Bear Fire, south-central New Mexico: U.S. Geological Survey Open-File Report 2013–1108, 15 p., 3 pls., http://pubs.usgs.gov/of/2013/1108/.

Communities at High Risk of Wildland Fire

Alto, Angus, Bonito, Cedar Creek - Alpine Village, Copper Ridge, Copper Ridge II, Eagle Creek, Eagle Creek II, Enchanted Forest, Fawn Ridge, Gavilan Canyon, Glencoe, Lincoln, Loma Grande, Outlaw, Ranches of Sonterra, Roswell, "Roswell, Northeast", Ruidoso, Ruidoso Downs, Sierra Vista, Sun Valley, Tierra Grande, Villa Madonna

Watershed 13060008

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	25%
Low	33%
Moderate	18%
High	16%
Very High	5%
Non-Burnable	3%
Water	0%

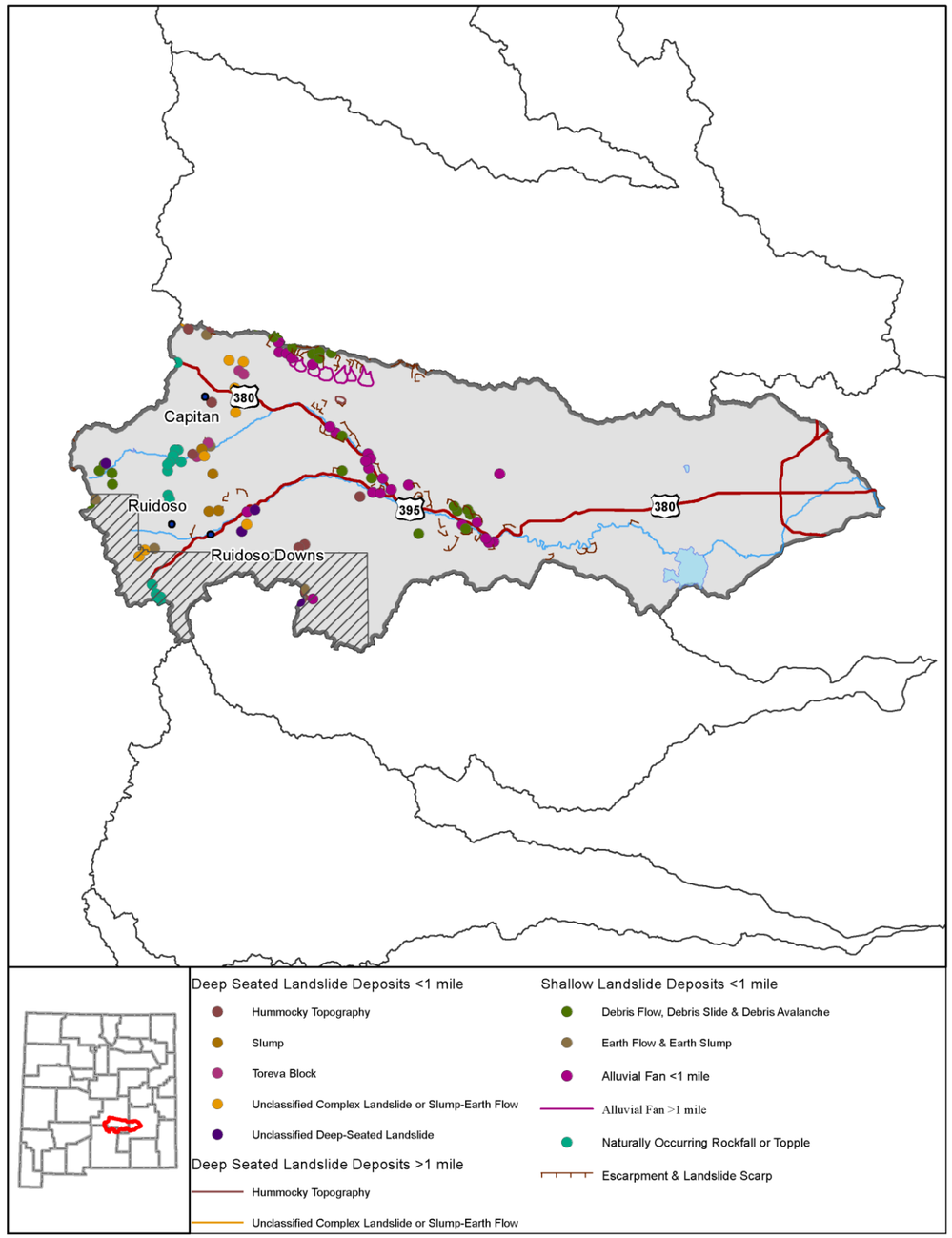
Watershed Characteristics	
Wildfires 2006-2016	38
Acres Burned 2006-2016	165,007

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	1.06%
Intermix	5.73%
	Acres
Interface	11,317
Intermix	60,879
WUI Addressed Structures	1075

Communities at Risk from Wildland Fire	
High Risk	24
Medium Risk	11
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	13
Very High Priority	6

Vegetation Treatments 2006-2016	
Acres Treated	67,840



Rio Hondo

Risk Rank: Low

Description

The Rio Hondo watershed is at low risk of landslide processes.

Lidar Data Availability

USGS Quality Level 2 Lidar data was collected in the fall of 2014 by FEMA. The USACE collected Lidar for the Two Rivers Drainage Area in 2009. The USACE collected post-wildfire Lidar data in 2013 for Bonito Creek and Eagle Creek.

Counties

Chaves, Lincoln, Otero

Communities

Capitan, Roswell, Ruidoso, Ruidoso Downs

Tribal Nations

Mescalero Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1662	100%

Watershed 13060008

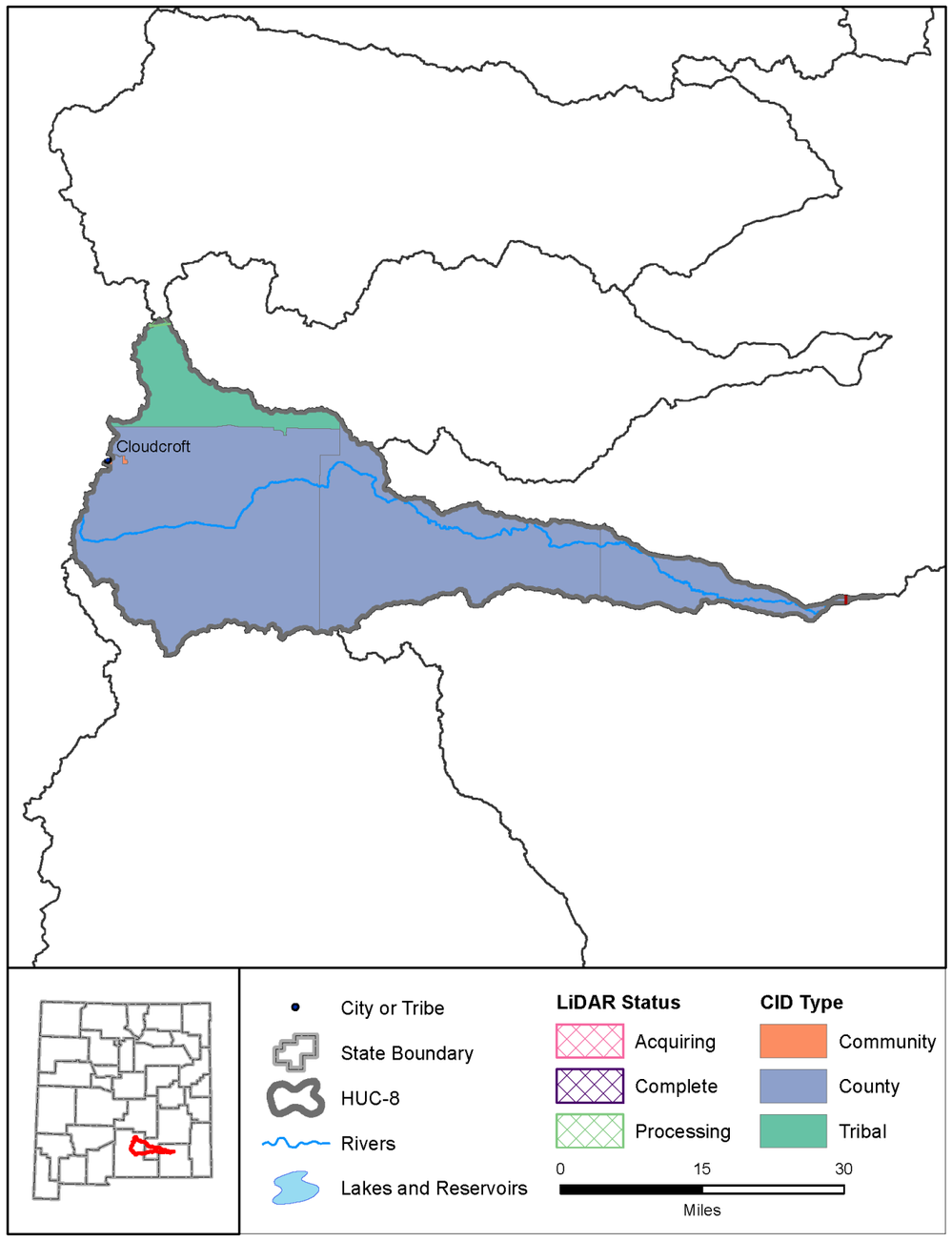
Rockfalls & Topples	17
Escarpments & Landslide Scarps	60

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	6
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	19
Alluvial Fan < 1mile	24
Alluvial Fan >1 mile	13
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	4
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	4
>1 mile	0
Hummocky Topography	
<1 mile	6
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	5
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	9
>1 mile	1
Total	170



Rio Penasco

Description

The Rio Penasco watershed is home to around 3,000 people in the south-central portion of New Mexico. The watershed has significant topographic relief from the Sacramento Mountains to the eastern plains. The Rio Penasco is the primary hydrologic feature with many smaller intermittent tributaries. FIRM data is extensive throughout the watershed, except for tribal lands, but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Otero

Communities

Cloudcroft

Tribal Nations

Mescalero Reservation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066316.pdf

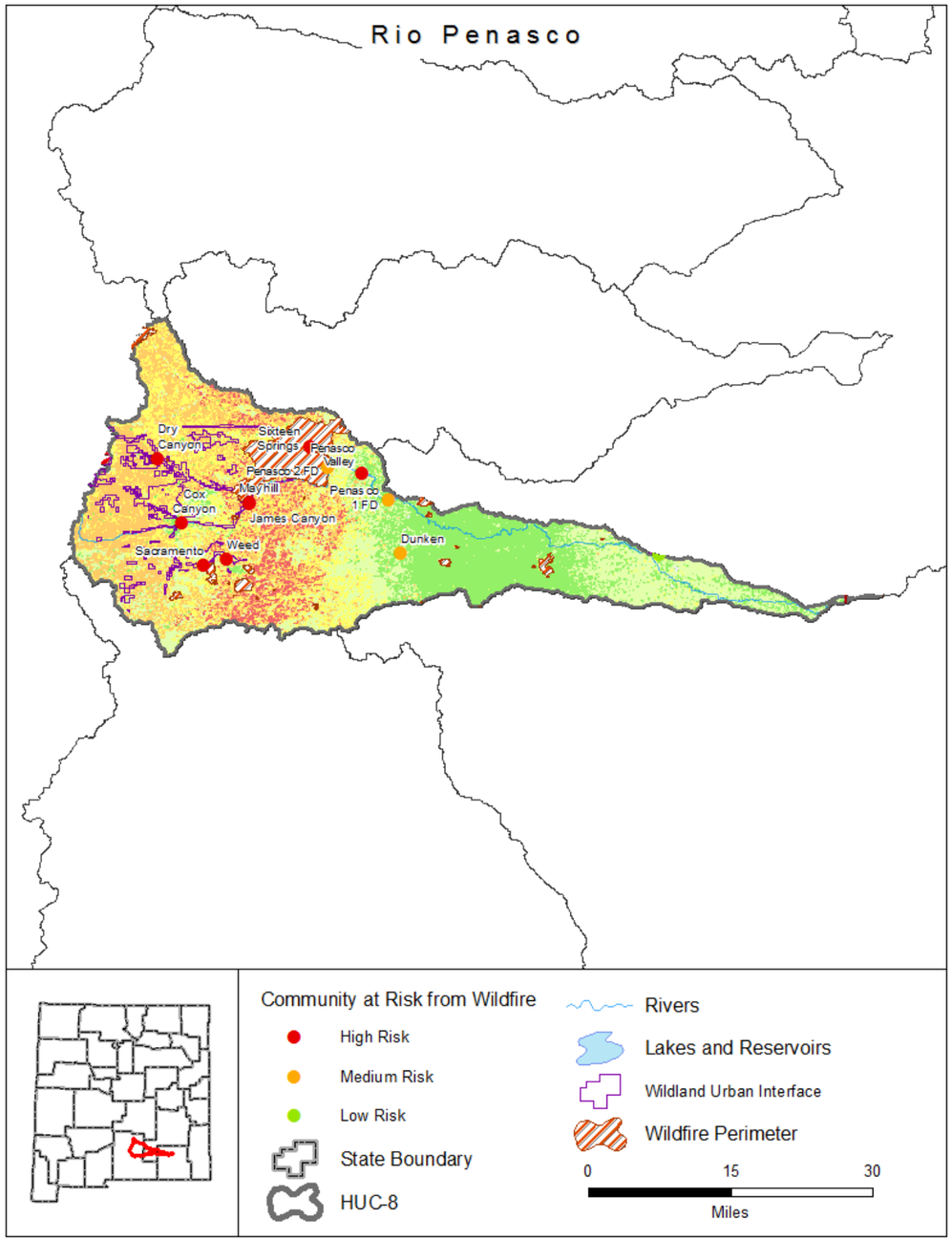
Watershed 13060010

Watershed Characteristics	
Area (sq mi)	1,072
Population in NM	3,288
CNMS Streams (mi)	259
Maximum Elevation (feet)	9,713
Minimum Elevation (feet)	3,289
High Hazard Potential Dams	0
Significant Hazard Potential Dams	2
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	29.17 %
State	11.18 %
Tribal	9.98 %
Federal	49.66 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	4
NFIP Policies	29
Policies within the SFHA	13
Policies outside of the SFHA	16
NFIP Premium Total	$ 16,131
NFIP Claims	3
Claims within the SFHA	0
Claims outside of the SFHA	3
Paid Claims	$ 120,386
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Penasco

Risk Rank: High

Description

The Rio Penasco watershed is at high risk of wildfire. The communities of Cox Canyon, Dry Canyon, James Canyon, Mayhill, Penasco Valley, Sacramento, Sixteen Springs, and Weed were identified as high risk in the local Community Wildfire Protection Plan. A total of 38,748 acres have burned during 25 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Otero

Communities

Cloudcroft

Tribal Nations

Mescalero Reservation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Cox Canyon, Dry Canyon, James Canyon, Mayhill, Penasco Valley, Sacramento, Sixteen Springs, Weed

Watershed 13060010

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	21%
Low	24%
Moderate	22%
High	26%
Very High	6%
Non-Burnable	0%
Water	0%

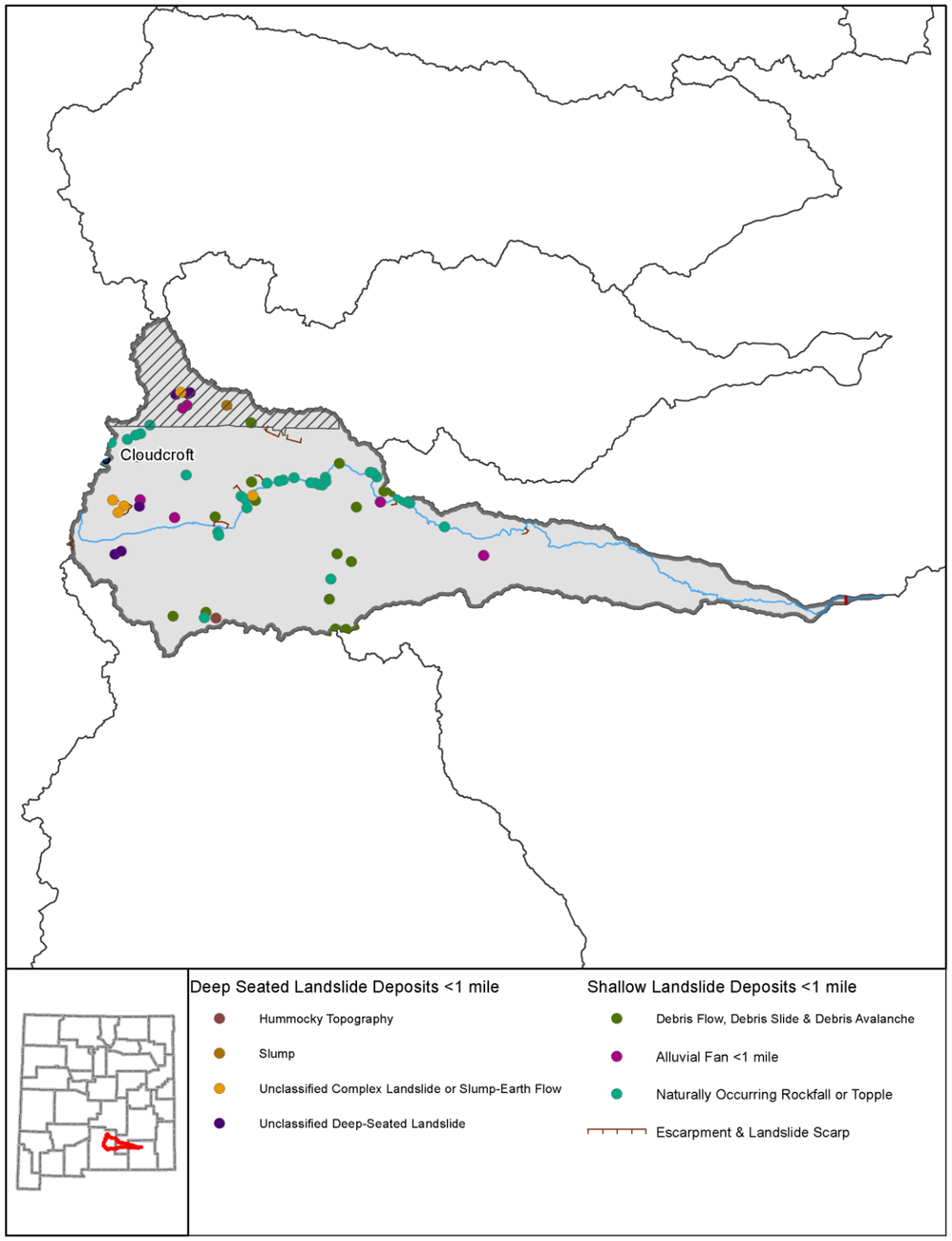
Watershed Characteristics	
Wildfires 2006-2016	25
Acres Burned 2006-2016	38,748

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.06%
Intermix	4.26%
	Acres
Interface	381
Intermix	29,200
WUI Addressed Structures	209

Communities at Risk from Wildland Fire	
High Risk	8
Medium Risk	3
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	7
Very High Priority	8

Vegetation Treatments 2006-2016	
Acres Treated	65,280



Rio Penasco

Risk Rank: Low

Description

The Rio Penasco watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Eddy, Otero

Communities

Cloudcroft

Tribal Nations

Mescalero Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1072	100%

Watershed 13060010

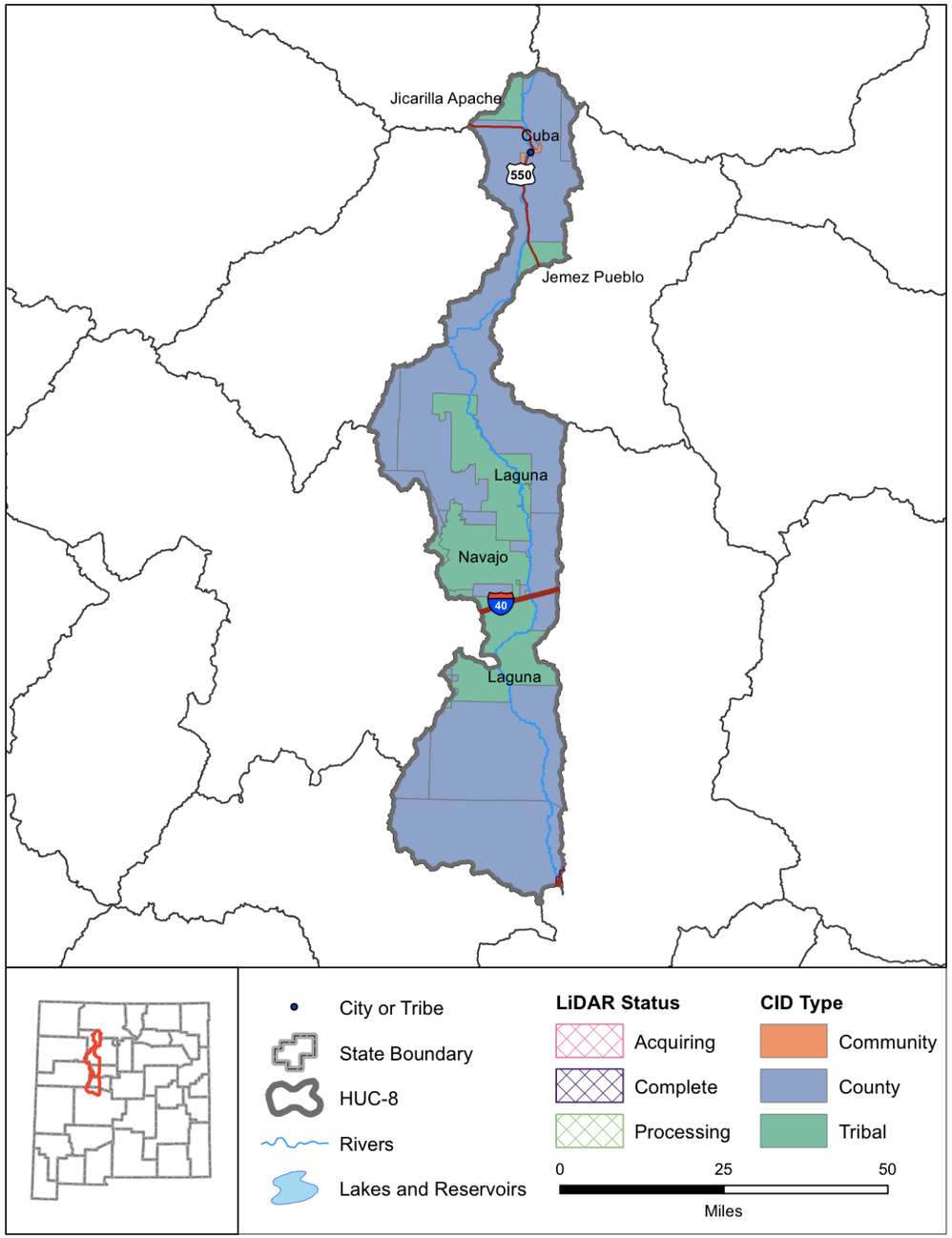
Rockfalls & Topples	31
Escarpments & Landslide Scarps	12

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	15
Alluvial Fan < 1mile	7
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	5
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	5
>1 mile	0
Total	77



Rio Puerco

Description

The Rio Puerco watershed is home to approximately 9,000 people in central New Mexico. The watershed has significant topographic relief as it moves from the northern, mountains region to the junction with the Rio Grande in Socorro County. The Rio Puerco is the major hydrologic feature. FIRM data is widely available throughout the watershed except for Socorro County, which has preliminary FIRM data, and tribal land. Lidar data from 2010 is available along the Middle Rio Grande corridor from the USACE. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Bernalillo, Cibola, McKinley, Rio Arriba, Sandoval, Socorro, Valencia

Communities

Albuquerque, Cuba

Tribal Nations

Isleta Pueblo, Jemez Pueblo, Jicarilla Apache Nation Reservation, Laguna Pueblo, Navajo Nation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066668.pdf

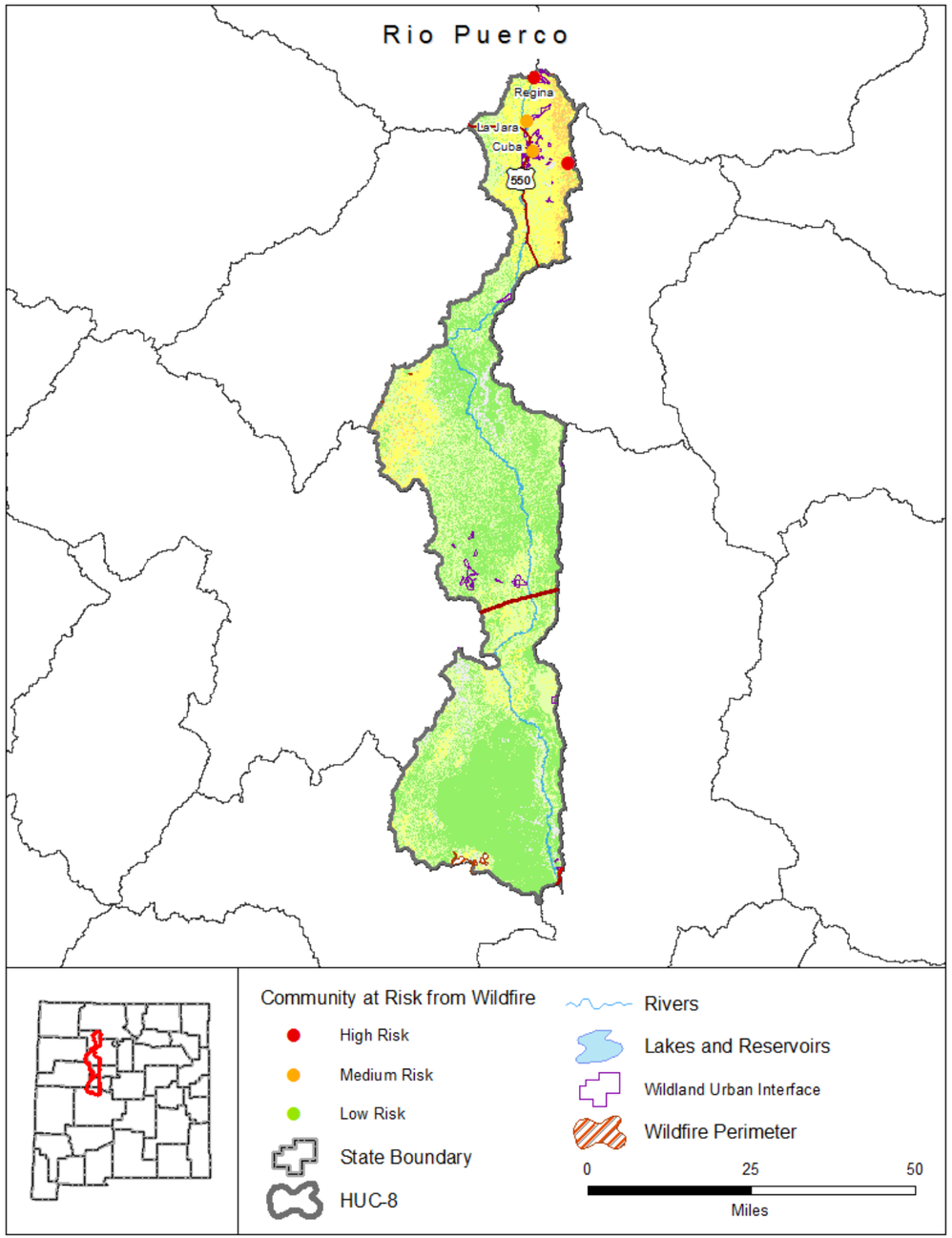
Watershed 13020204

Watershed Characteristics	
Area (sq mi)	2,112
Population in NM	8,841
CNMS Streams (mi)	565
Maximum Elevation (feet)	10,611
Minimum Elevation (feet)	4,712
High Hazard Potential Dams	1
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	6

Ownership	
Percent in New Mexico	100 %
Private	42.64 %
State	5.62 %
Tribal	23.38 %
Federal	28.36 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	14
NFIP Communities	8
NFIP Policies	1
Policies within the SFHA	0
Policies outside of the SFHA	1
NFIP Premium Total	$ 312
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Puerco

Risk Rank: Medium

Description

The Rio Puerco watershed is at medium risk of wildfire. The communities of Deer Lake and Regina were identified as high risk in the local Community Wildfire Protection Plan. A total of 2,666 acres have burned during 7 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017 for a small portion of the western edge of the watershed. The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Bernalillo, Cibola, McKinley, Rio Arriba, Sandoval, Socorro, Valencia

Communities

Albuquerque, Cuba

Tribal Nations

Isleta Pueblo, Jemez Pueblo, Jicarilla Apache Nation Reservation, Laguna Pueblo, Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Deer Lake, Regina

Watershed 13020204

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	45%
Low	33%
Moderate	17%
High	2%
Very High	0%
Non-Burnable	4%
Water	0%

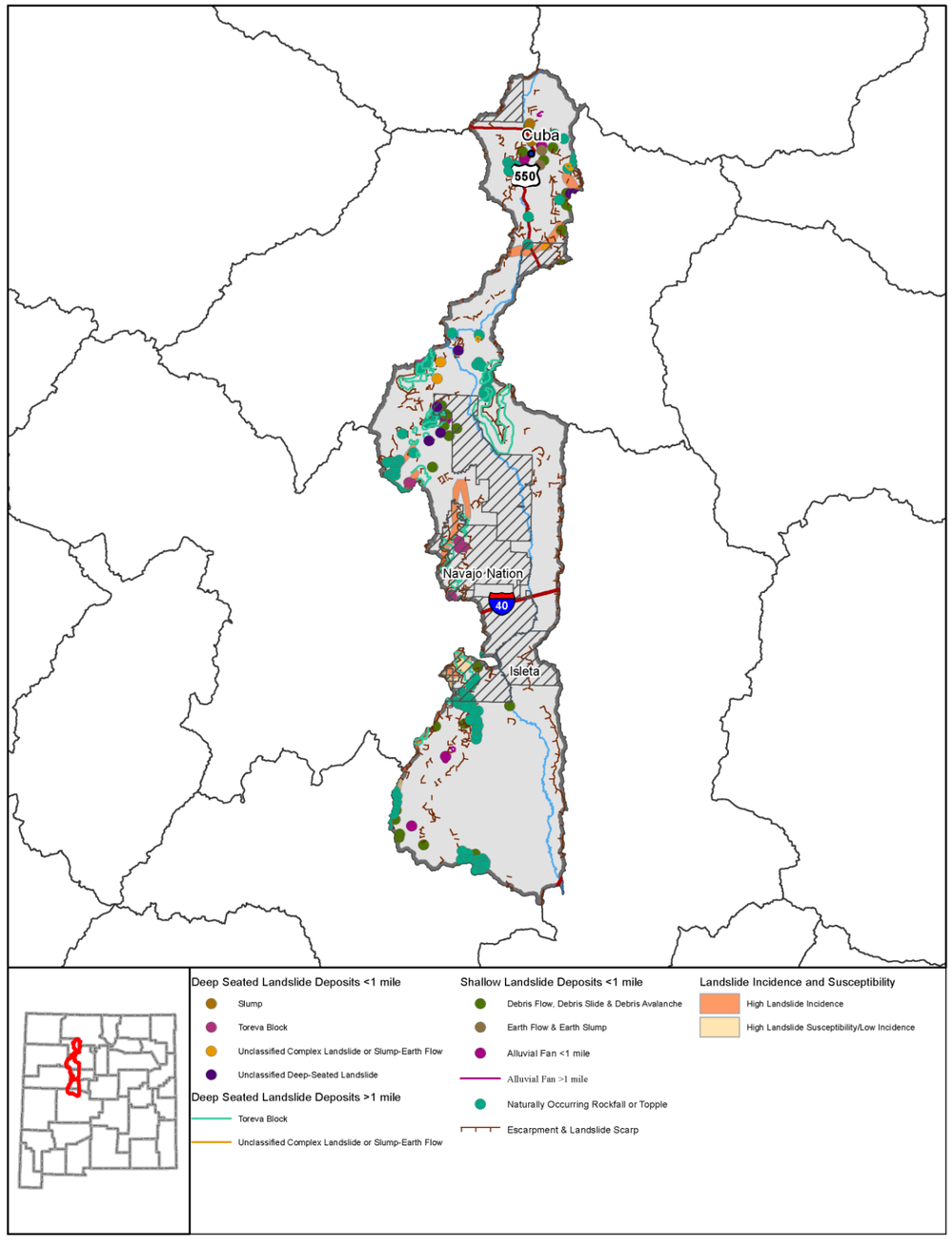
Watershed Characteristics	
Wildfires 2006-2016	7
Acres Burned 2006-2016	2,666

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.95%
	Acres
Interface	130
Intermix	12,772
WUI Addressed Structures	138

Communities at Risk from Wildland Fire	
High Risk	2
Medium Risk	2
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	7
Very High Priority	2

Vegetation Treatments 2006-2016	
Acres Treated	30,080



Rio Puerco

Risk Rank: Medium

Description

The Rio Puerco watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017-2018.

Counties

Bernalillo, Cibola, McKinley, Rio Arriba, Sandoval, Socorro, Valencia

Communities

Albuquerque, Cuba

Tribal Nations

Isleta Pueblo, Jemez Pueblo, Jicarilla Apache Nation Reservation, Laguna Pueblo, Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	53	3%
High susceptibility to landsliding and low incidence	17	1%
Total	2112	100%

Watershed 13020204

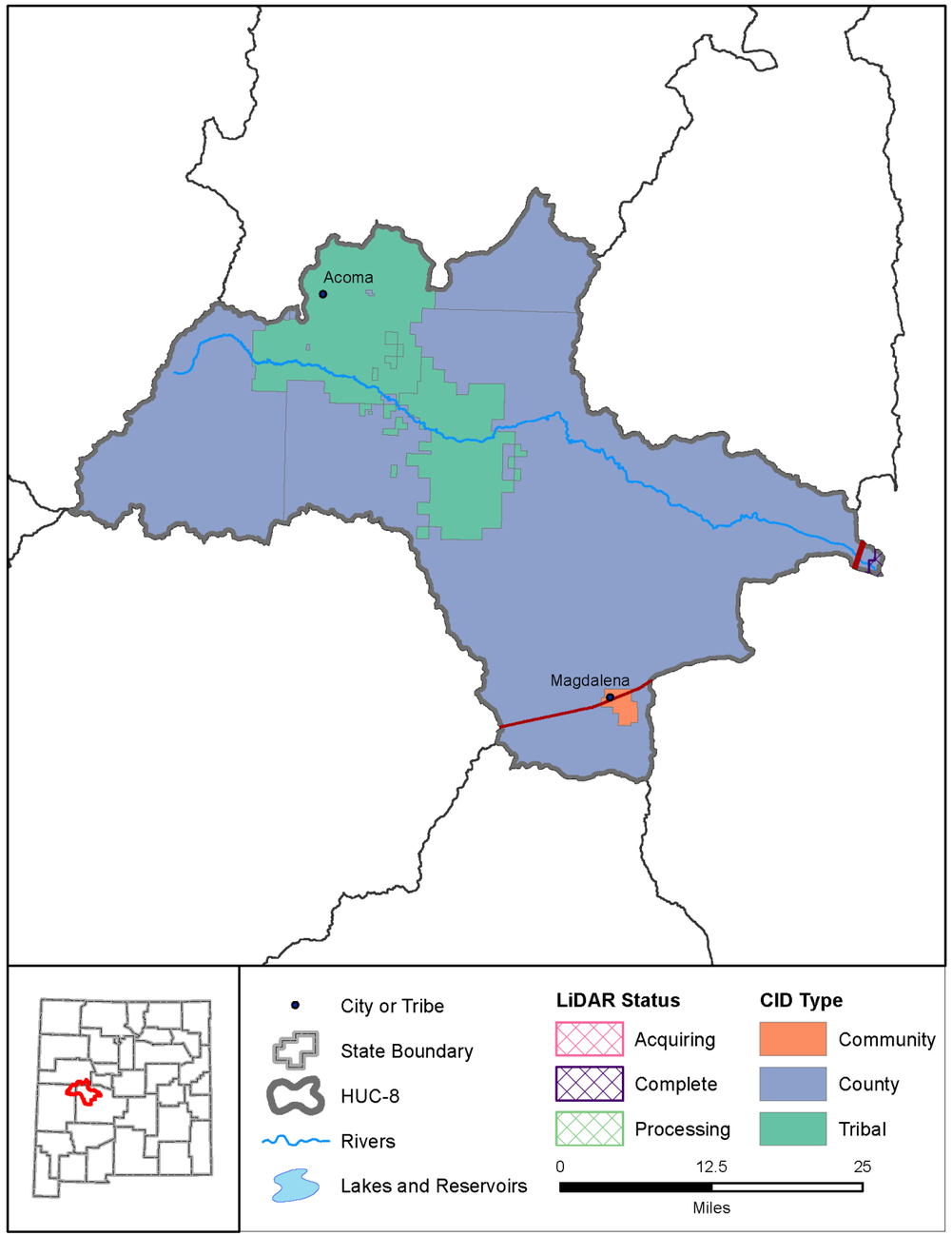
Rockfalls & Topples	89
Escarpments & Landslide Scarps	275

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	29
Alluvial Fan < 1mile	8
Alluvial Fan >1 mile	4
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	5
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	6
>1 mile	26
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	3
Total	451



Rio Salado

Description

The Rio Salado watershed is home to approximately 2,500 people in central New Mexico. The watershed contains part of Gallinas Mountains. The major hydrologic feature is the Rio Salado. FIRM data is limited to Cibola County. There is limited lidar data available as part of the USACE Middle Rio Grande project. Preliminary FIRM data is available for Socorro County.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Cibola, Socorro

Communities

Magdalena

Tribal Nations

Navajo Nation, Acoma Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

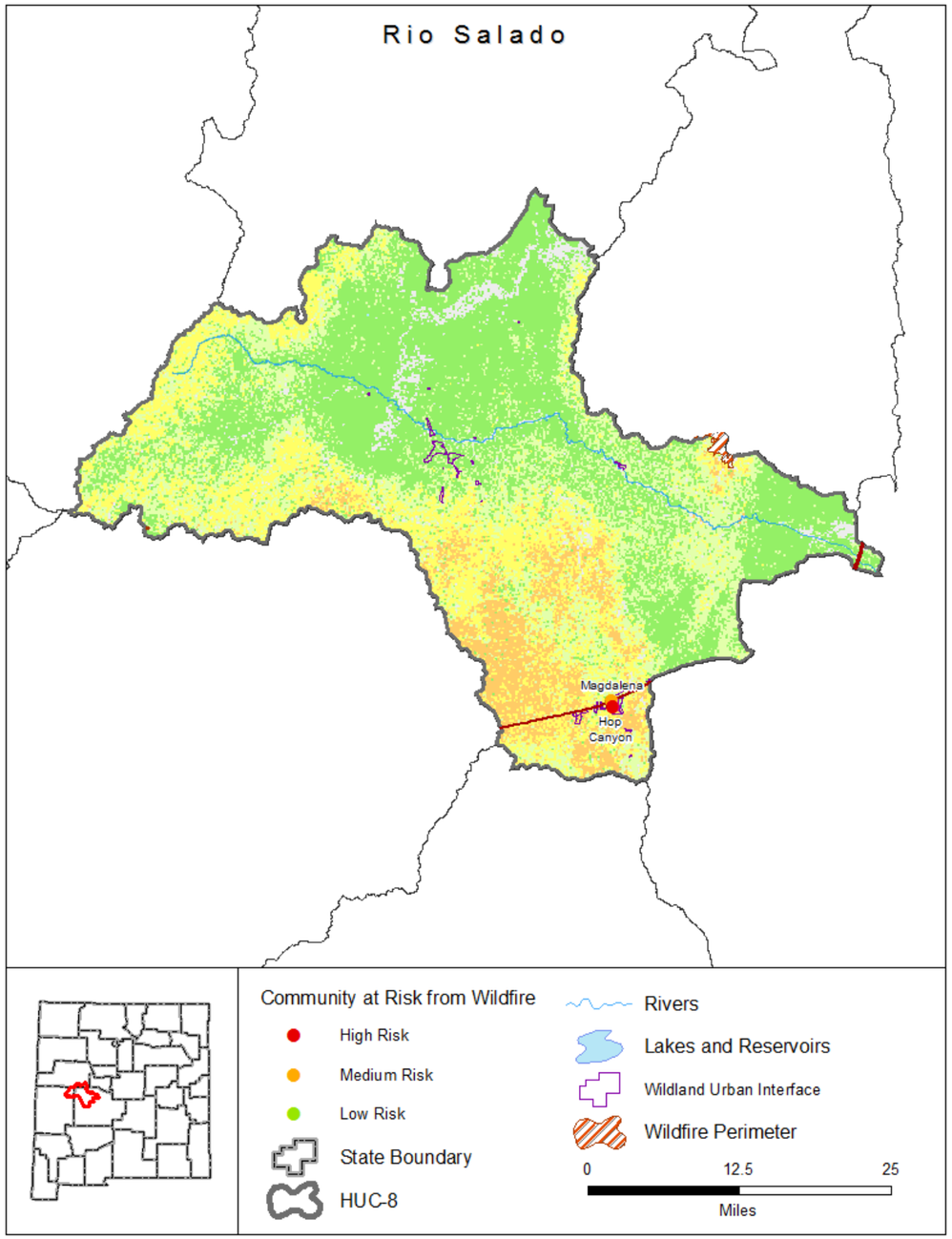
Watershed 13020209

Watershed Characteristics	
Area (sq mi)	1,397
Population in NM	2,547
CNMS Streams (mi)	237
Maximum Elevation (feet)	10,027
Minimum Elevation (feet)	4,683
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	27.46 %
State	8.36 %
Tribal	22.19 %
Federal	41.99 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	6
NFIP Communities	4
NFIP Policies	5
Policies within the SFHA	0
Policies outside of the SFHA	5
NFIP Premium Total	$ 1,536
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rio Salado

Risk Rank: Medium

Description

The Rio Salado watershed is at medium risk of wildfire. The community of Hop Canyon was identified as high risk in the local Community Wildfire Protection Plan. A total of 1,866 acres have burned during 5 wildfire events over the last ten years.

Lidar Data Availability

The USACE collected lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Cibola, Socorro

Communities

Magdalena

Tribal Nations

Navajo Nation, Acoma Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Hop Canyon

Watershed 13020209

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	41%
Low	26%
Moderate	20%
High	8%
Very High	0%
Non-Burnable	4%
Water	0%

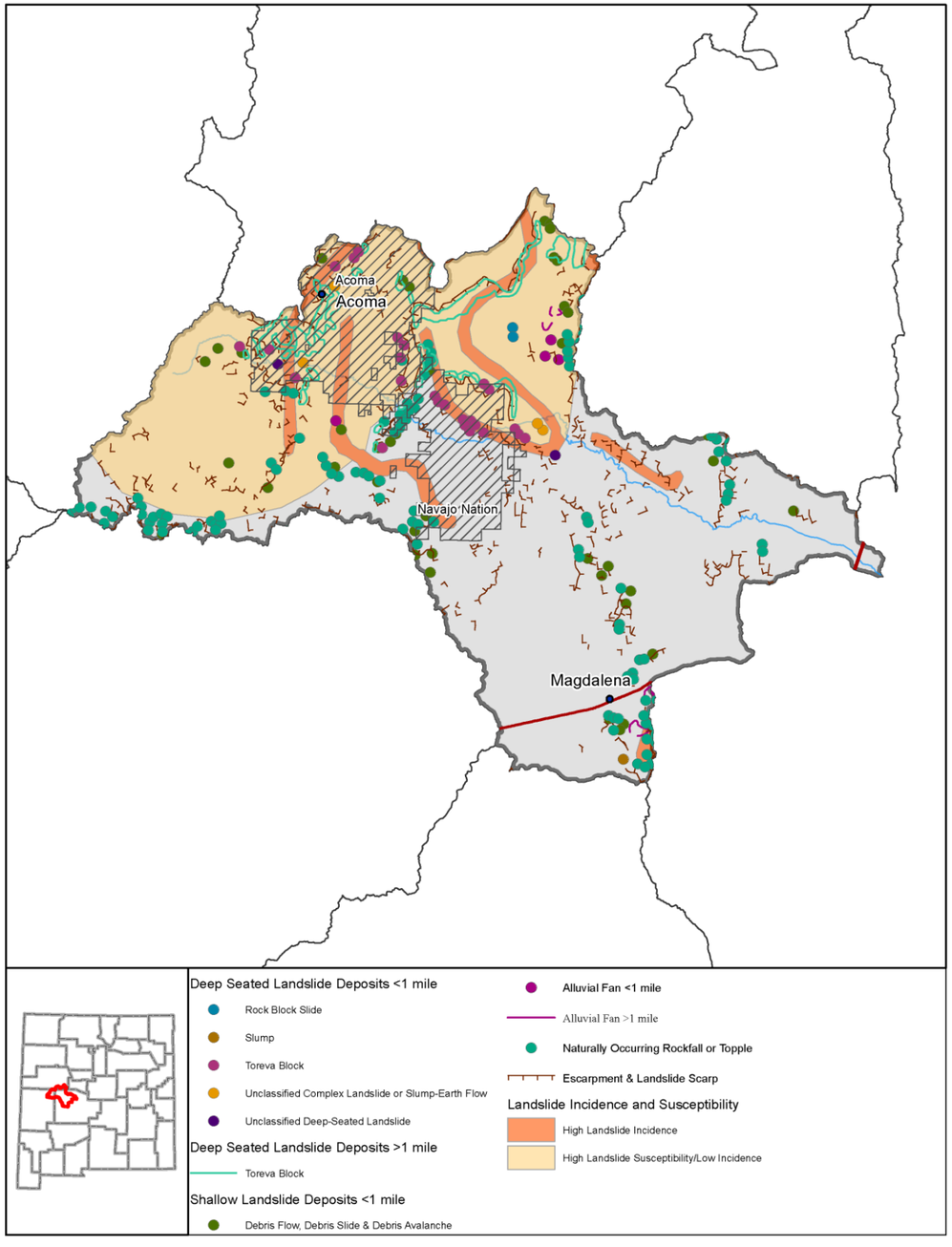
Watershed Characteristics	
Wildfires 2006-2016	5
Acres Burned 2006-2016	1,866

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.03%
Intermix	0.34%
	Acres
Interface	251
Intermix	3,067
WUI Addressed Structures	63

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	12
Very High Priority	1

Vegetation Treatments 2006-2016	
Acres Treated	5,760



Rio Salado

Risk Rank: Medium

Description

The Rio Salado watershed is atmedium risk of landslide processes.

Lidar Data Availability

The USACE collected Lidar as part of a Middle Rio Grande 500 year floodplain study in 2010.

Counties

Catron, Cibola, Socorro

Communities

Magdalena

Tribal Nations

Navajo Nation, Acoma Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	1	7%
High susceptibility to landsliding and low incidence	52	37%
Total	1397	100%

Watershed 13020209

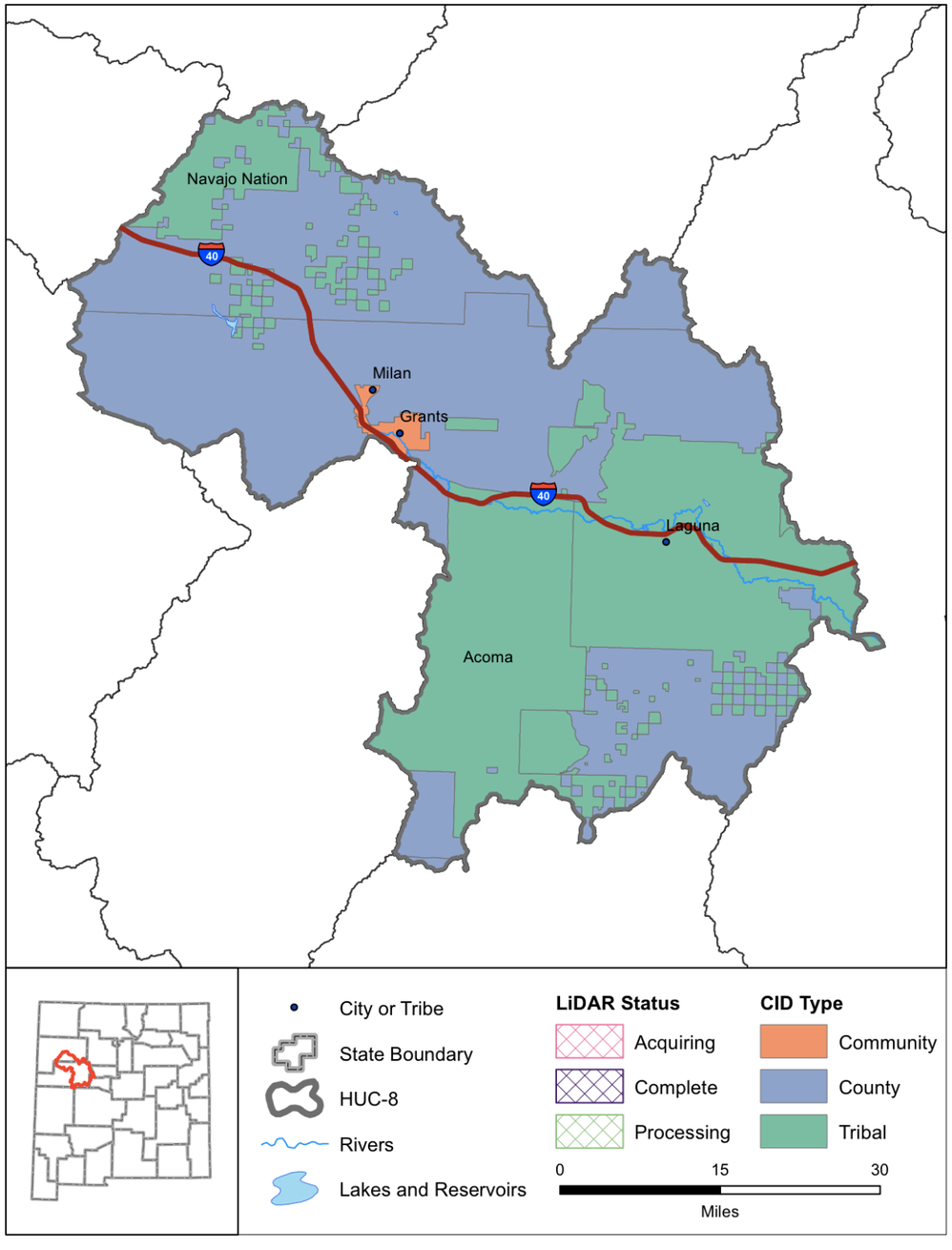
Rockfalls & Topples	98
Escarpments & Landslide Scarps	262

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	40
Alluvial Fan < 1mile	4
Alluvial Fan >1 mile	5
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	2
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	2
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	25
>1 mile	37
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	4
>1 mile	0
Total	481



Rio San Jose

Description

The Rio San Jose watershed is home to approximately 28,000 people in western New Mexico. The watershed has significant topographic relief from Mount Taylor. The Rio San Jose is the major hydrologic feature. FIRM data is widely available throughout Cibola County but is not available in Tribal land. There is no lidar data available within the watershed. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Cibola, McKinley, Socorro, Valencia

Communities

Grants, Milan

Tribal Nations

Laguna Pueblo, Navajo Nation, Acoma Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067633.pdf

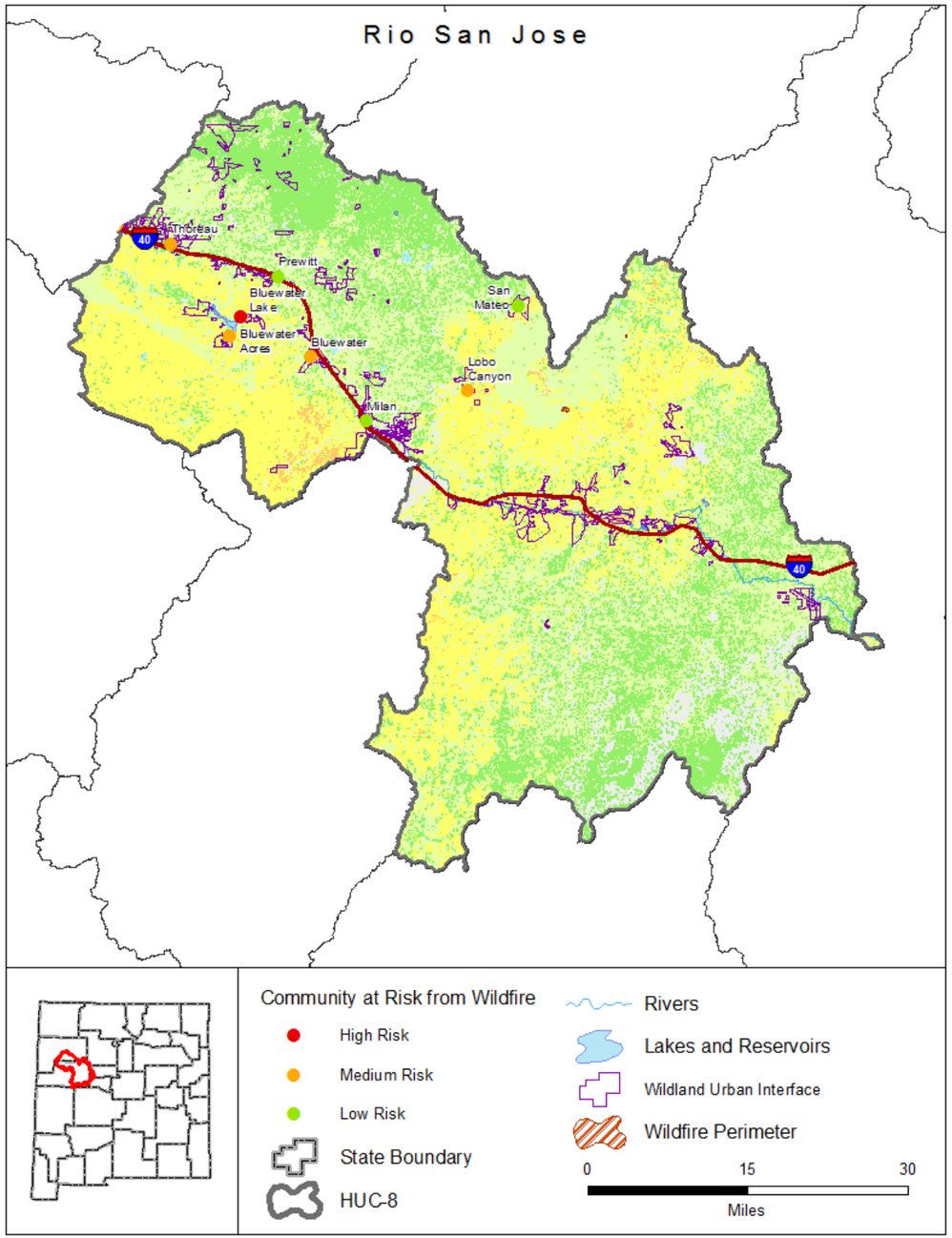
Watershed 13020207

Watershed Characteristics	
Area (sq mi)	2,599
Population in NM	28,029
CNMS Streams (mi)	674
Maximum Elevation (feet)	11,326
Minimum Elevation (feet)	5,081
High Hazard Potential Dams	7
Significant Hazard Potential Dams	2
Low Hazard Potential Dams	9

Ownership	
Percent in New Mexico	100 %
Private	26.92 %
State	4.12 %
Tribal	43.25 %
Federal	25.71 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	10
NFIP Communities	7
NFIP Policies	124
Policies within the SFHA	96
Policies outside of the SFHA	28
NFIP Premium Total	$ 103,039
NFIP Claims	22
Claims within the SFHA	19
Claims outside of the SFHA	3
Paid Claims	$ 330,729
Repetitive Loss Structures	1
Repetitive Loss Claims	2
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 44,538



Rio San Jose

Risk Rank: Medium

Description

The Rio San Jose watershed is at medium risk of wildfire. The community of Bluewater Lake was identified as high risk in the local Community Wildfire Protection Plan. A collection of federal agencies anticipates collecting lidar in FY 2017.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar in FY 2017.

Counties

Catron, Cibola, McKinley, Socorro, Valencia

Communities

Grants, Milan

Tribal Nations

Laguna Pueblo, Navajo Nation, Acoma Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Bluewater Lake

Watershed 13020207

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	26%
Low	37%
Moderate	30%
High	1%
Very High	0%
Non-Burnable	6%
Water	0%

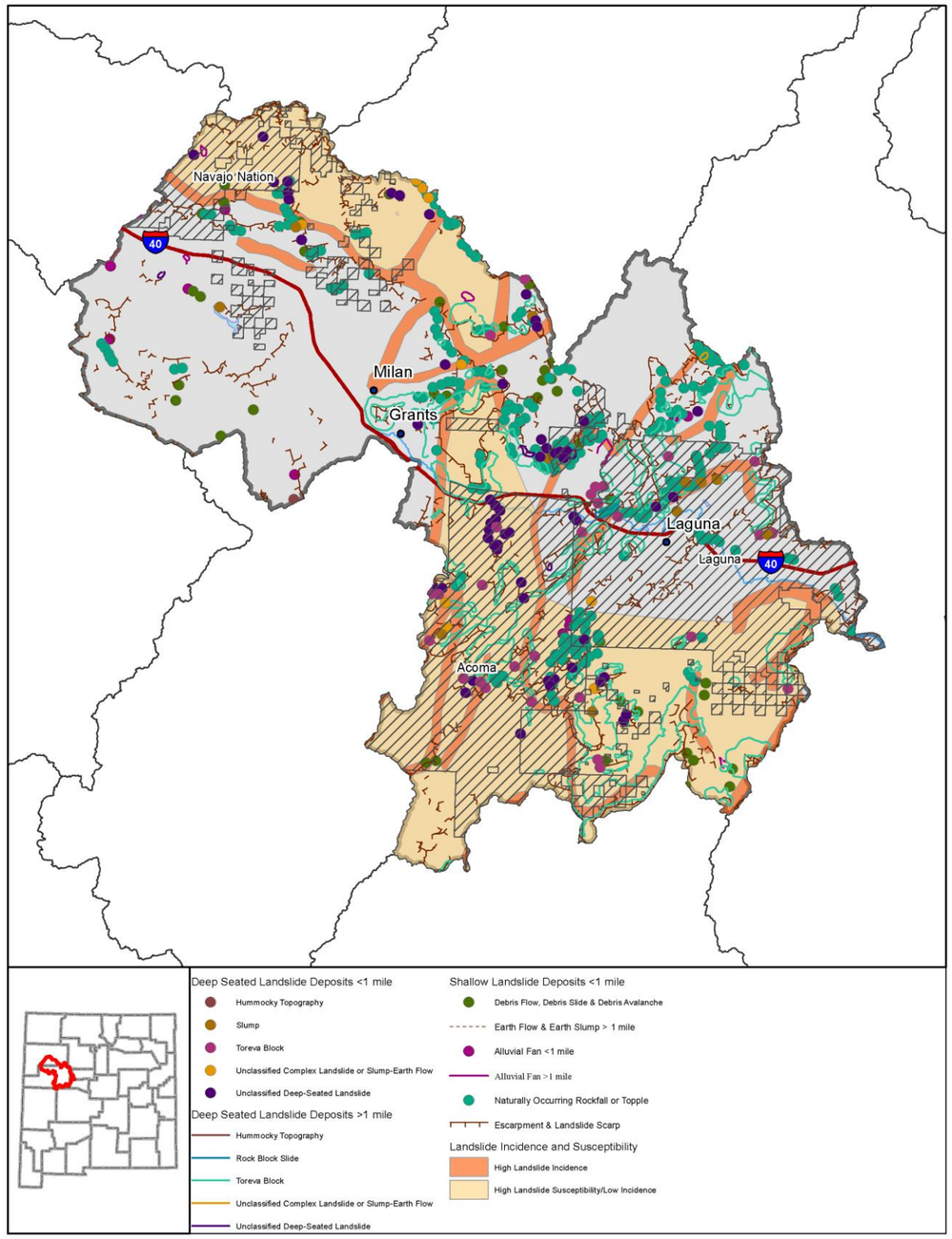
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	125

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.28%
Intermix	3.26%
	Acres
Interface	4,703
Intermix	54,124
WUI Addressed Structures	699

Communities at Risk from Wildland Fire	
High Risk	1
Medium Risk	4
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	24
Very High Priority	6

Vegetation Treatments 2006-2016	
Acres Treated	32,000



Rio San Jose

Risk Rank: High

Description

The Rio San Jose watershed is at high risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar in 2017.

Counties

Catron, Cibola, McKinley, Socorro, Valencia

Communities

Grants, Milan

Tribal Nations

Laguna Pueblo, Navajo Nation, Acoma Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	286	11%
High susceptibility to landsliding and low incidence	963	37%
Total	2599	100%

Watershed 13020207

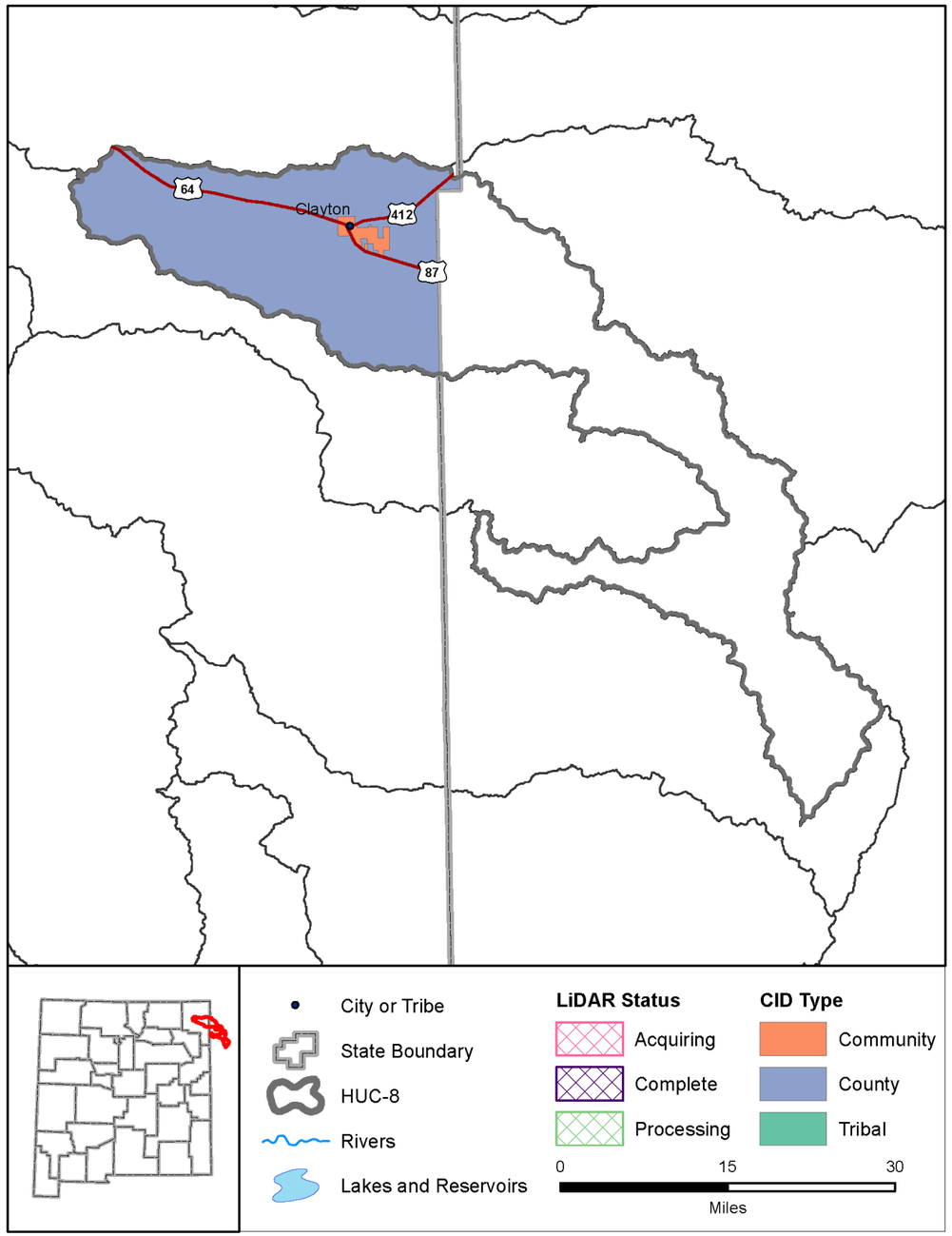
Rockfalls & Topples	246
Escarpments & Landslide Scarps	411

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	3
Debris Flow, Debris Slide & Debris Avalanche	45
Alluvial Fan < 1mile	10
Alluvial Fan >1 mile	7
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	12
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	1
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	57
>1 mile	6
Hummocky Topography	
<1 mile	1
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	28
>1 mile	90
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	9
>1 mile	1
Total	929



Rita Blanca

Description

The Rita Blanca watershed is home to approximatley 3,000 people along the northeastern border of New Mexico. The watershed contains contains the Rabbit Ear Mesa, Black Canyon, and the Apache Valley in its northern area. The primary hydrographic features are Perico and Apache Creek. There is no FIRM data for the watershed and only a small area with FHBM data outside of Clayton. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

Clayton

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

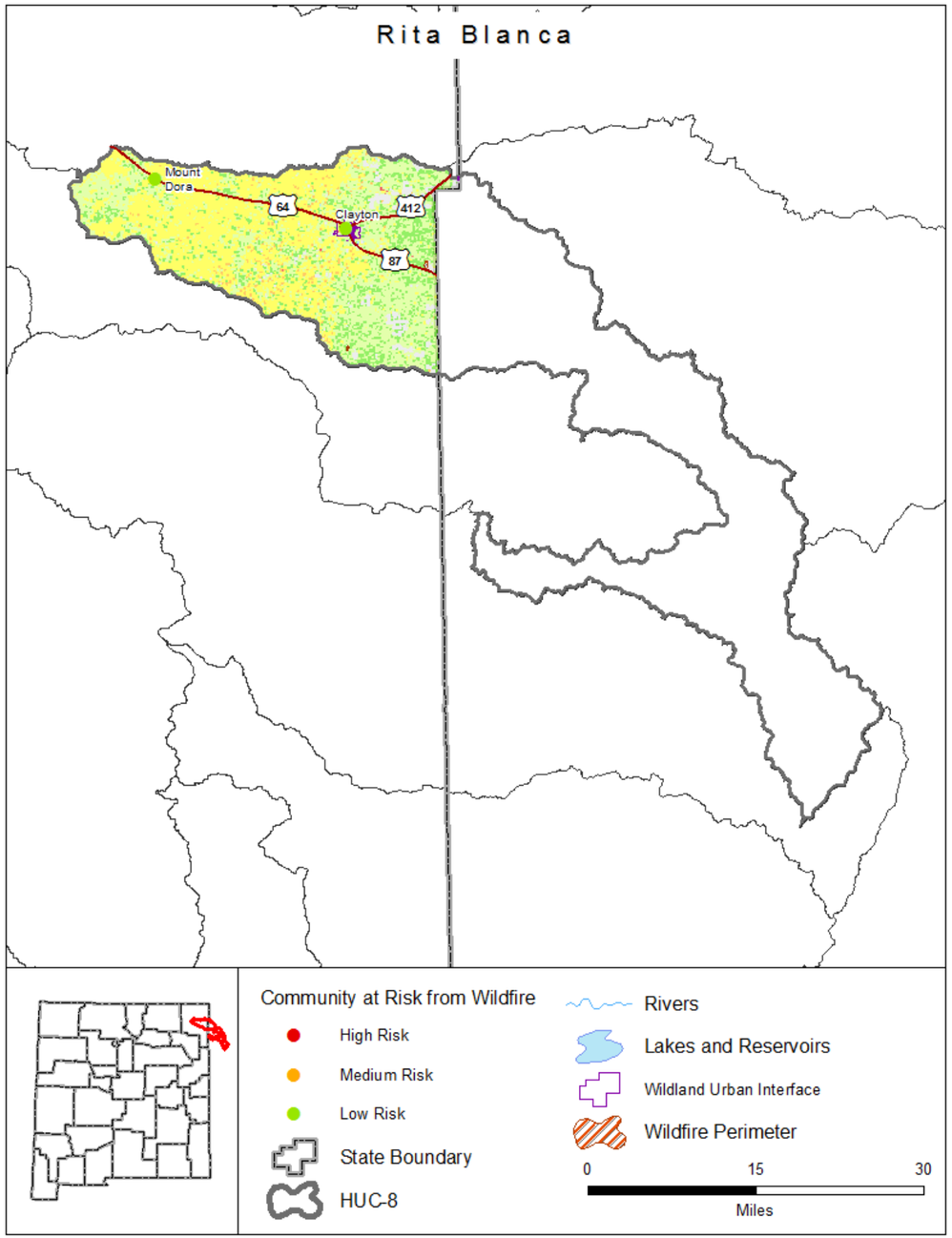
Watershed 11090103

Watershed Characteristics	
Area (sq mi)	1,095
Population in NM	2,979
CNMS Streams (mi)	0
Maximum Elevation (feet)	6,508
Minimum Elevation (feet)	4,576
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	39.14 %
Private	70.83 %
State	16.84 %
Tribal	0 %
Federal	12.31 %
States	NM, TX, OK

Flood Maps	
DFIRM Available	No
FHBM Available	Yes

NFIP Statistics	
CID Communities	2
NFIP Communities	1
NFIP Policies	2
Policies within the SFHA	0
Policies outside of the SFHA	2
NFIP Premium Total	$ 824
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Rita Blanca

Risk Rank: Medium

Description

The Rita Blanca watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

Clayton

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11090103

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	16%
Low	37%
Moderate	40%
High	2%
Very High	0%
Non-Burnable	5%
Water	0%

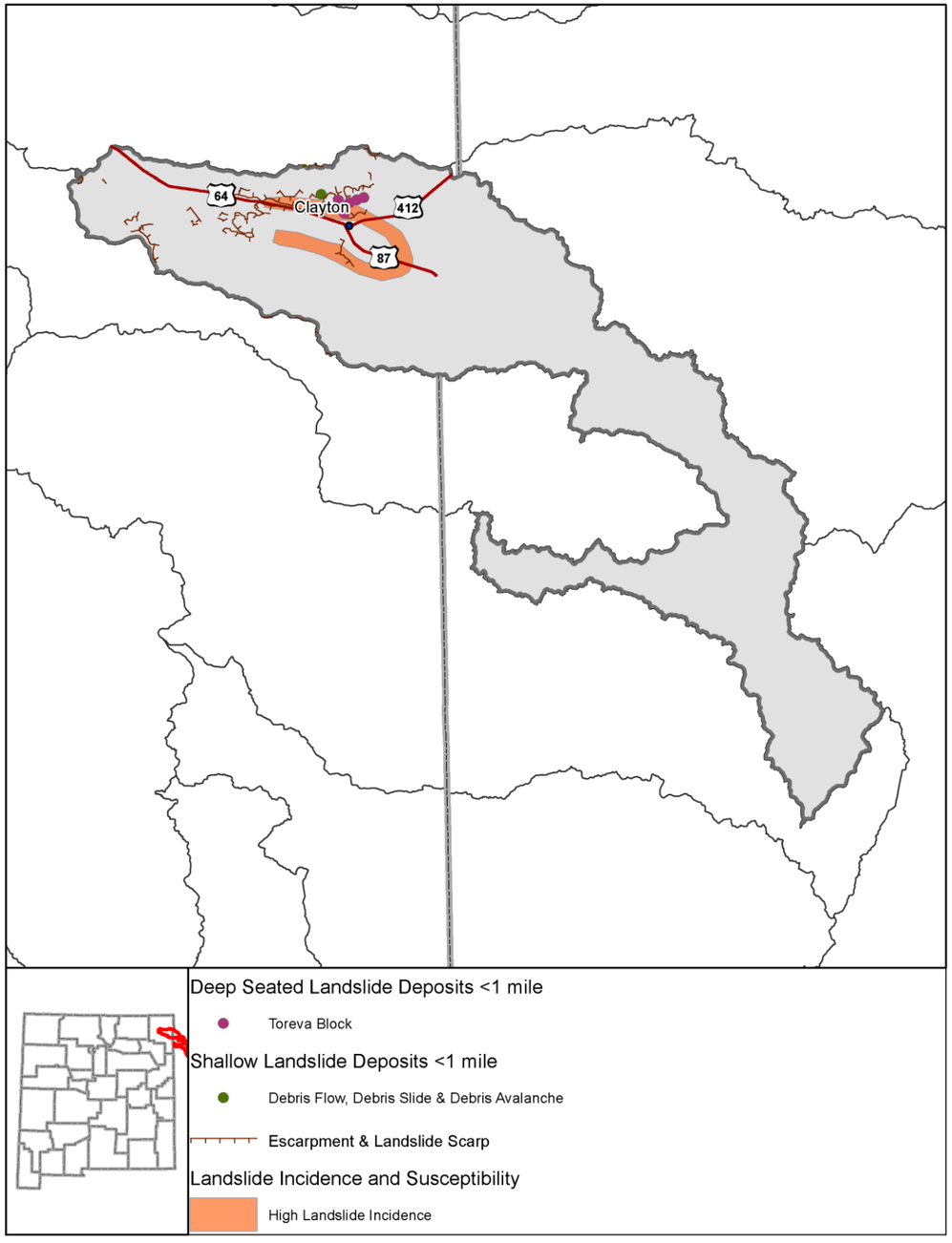
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	129

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.21%
Intermix	0.5%
	Acres
Interface	583
Intermix	1,374
WUI Addressed Structures	24

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	2,560



Rita Blanca

Risk Rank: Low

Description

The Rita Blanca watershed is at ow risk of landslide processes.

Lidar Data Availability

FEMA collected USGS QL2 Lidar in 2017.

Counties

Union

Communities

Clayton

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	36	3%
High susceptibility to landsliding and low incidence	0	0%
Total	428	39%

Watershed 11090103

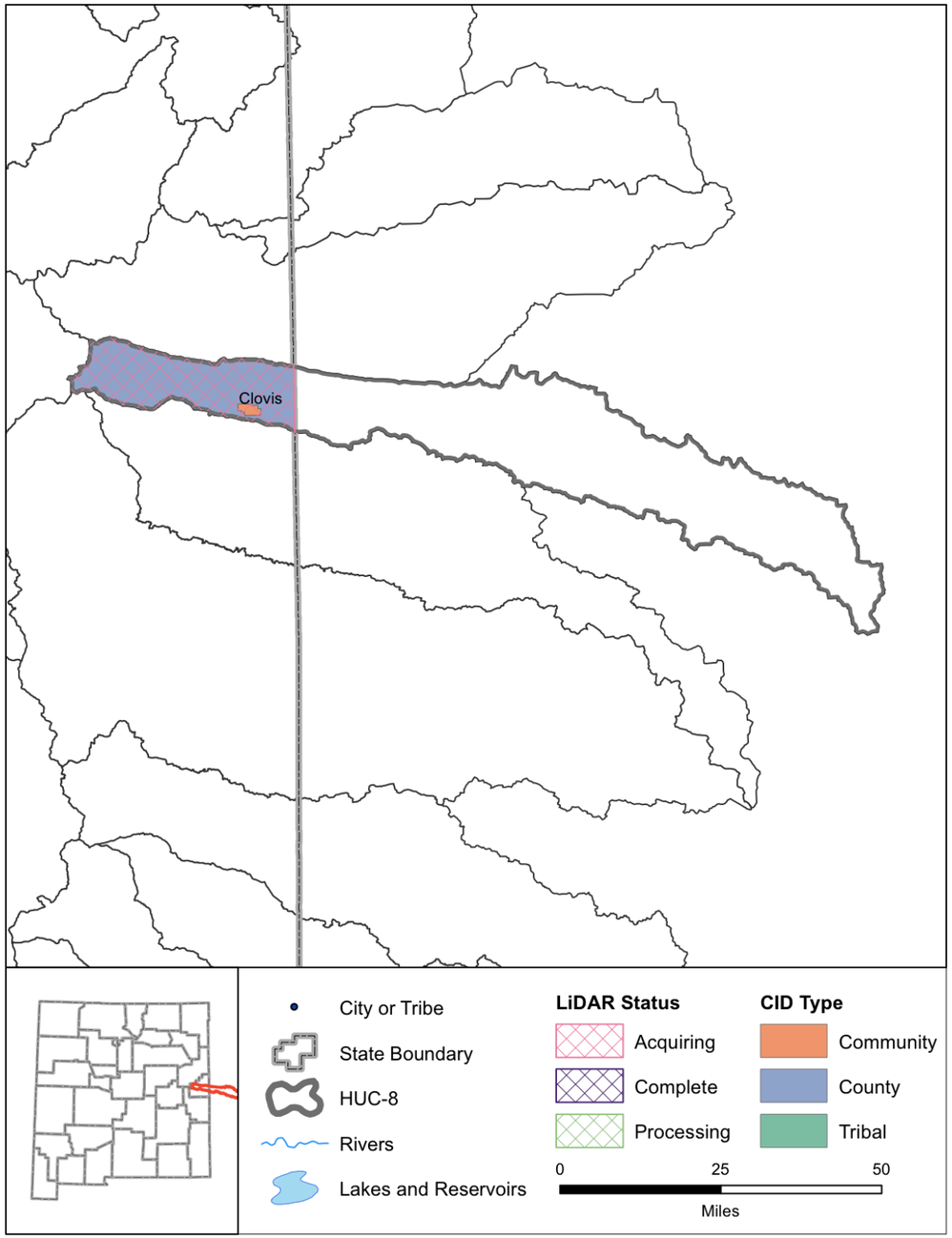
Rockfalls & Topples	0
Escarpments & Landslide Scarps	22

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	1
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	5
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	28



Running Water Draw

Description

The Running Water Draw watershed is home to approximately 1,800 people along the eastern border of New Mexico. The watershed is part of the eastern plains. Within New Mexico, hydrologic features consists of multiple areas with intermittent ponds/lakes. Extensive FIRM data exists within the watershed. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

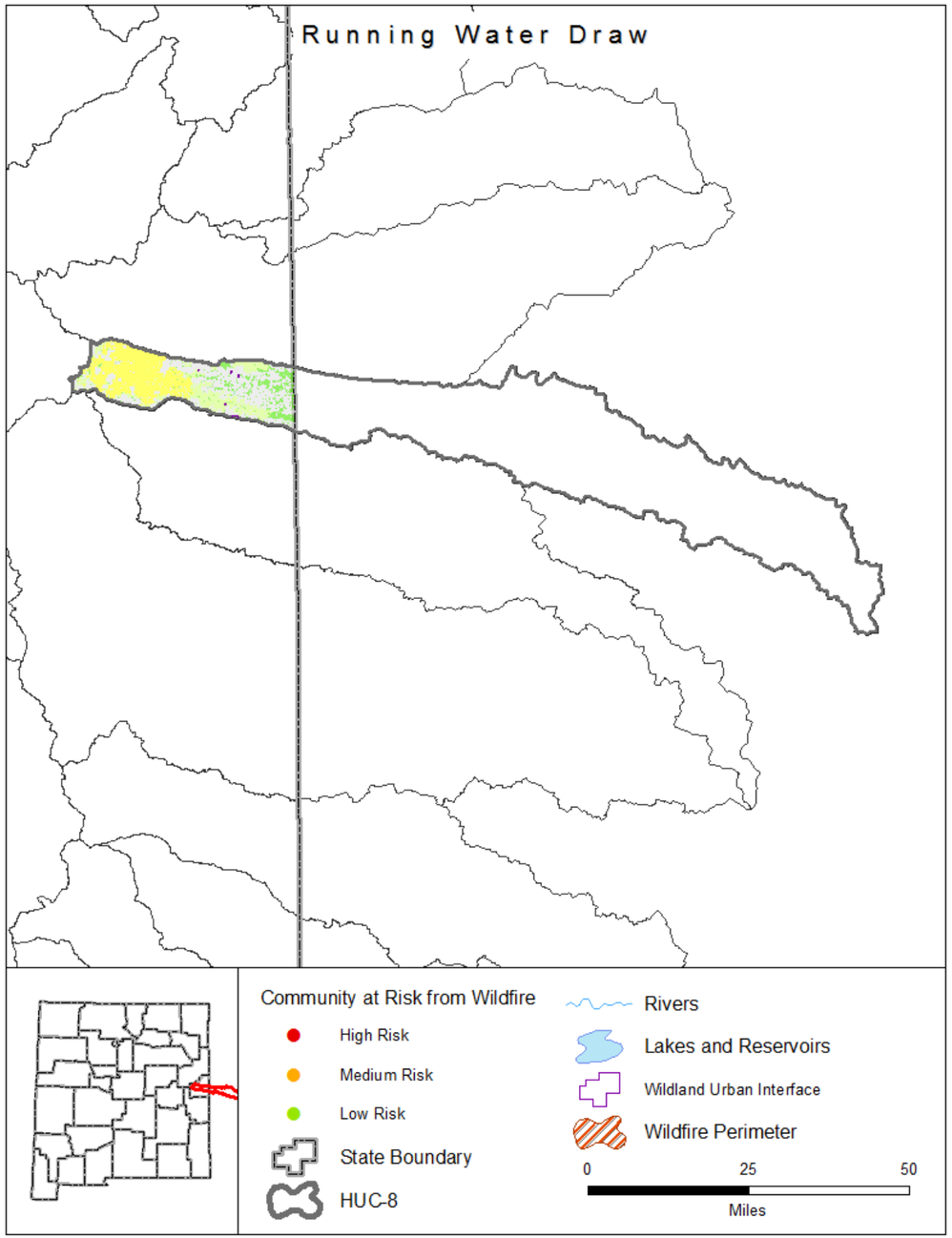
Watershed 12050005

Watershed Characteristics	
Area (sq mi)	1,515
Population in NM	1,803
CNMS Streams (mi)	55
Maximum Elevation (feet)	4,748
Minimum Elevation (feet)	4,134
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	19.57 %
Private	95.16 %
State	4.76 %
Tribal	0 %
Federal	0 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	2
NFIP Communities	2
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Running Water Draw

Risk Rank: Low

Description

The Running Water Draw is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. Llidar for the New Mexico portion of the watershed was collected in 2015.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 12050005

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	10%
Low	18%
Moderate	31%
High	0%
Very High	0%
Non-Burnable	41%
Water	0%

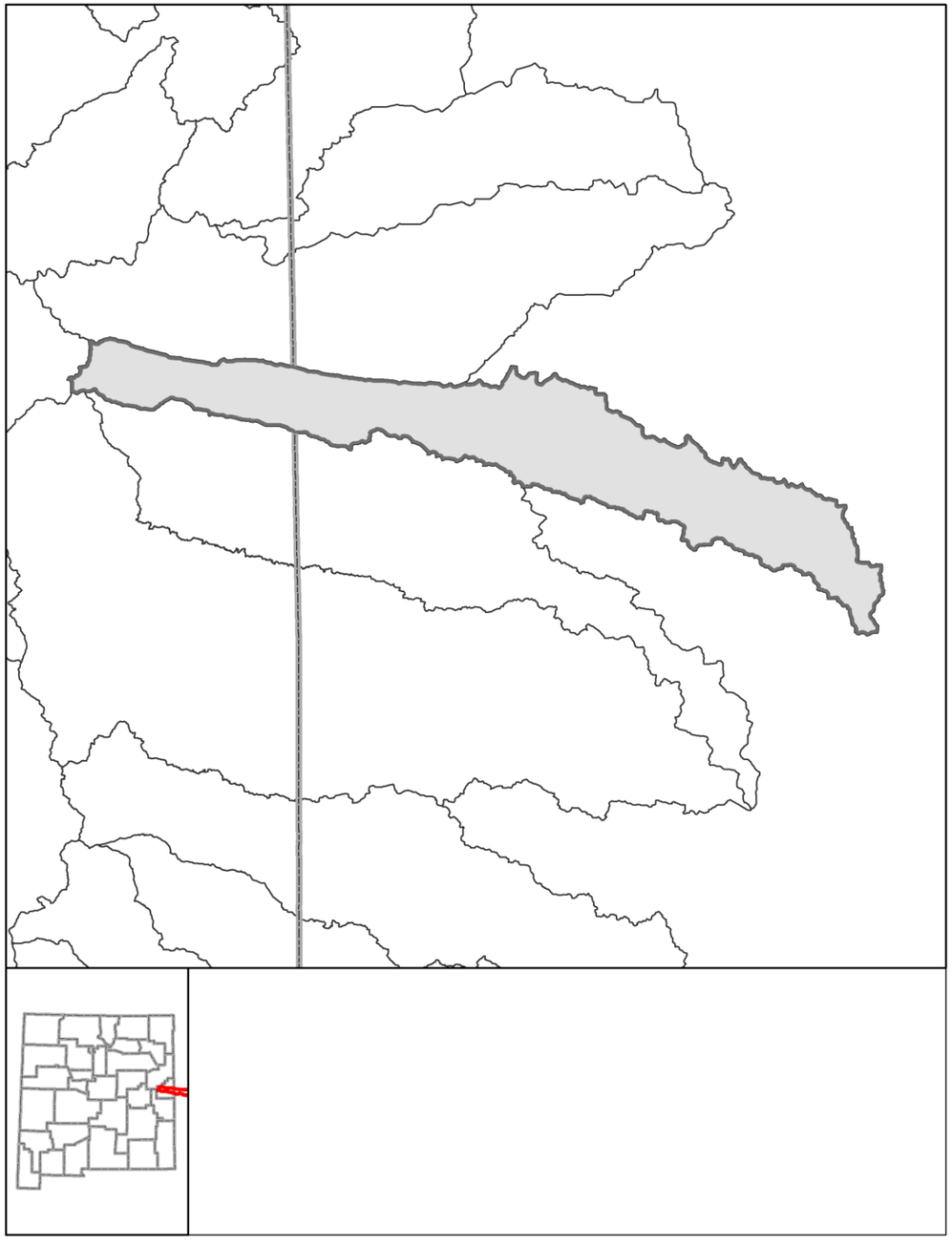
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.16%
Intermix	0.03%
	Acres
Interface	296
Intermix	48
WUI Addressed Structures	2

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Running Water Draw

Risk Rank: None/Unknown

Description

The Running Water Draw is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry

Communities

Clovis

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	297	20%

Watershed 12050005

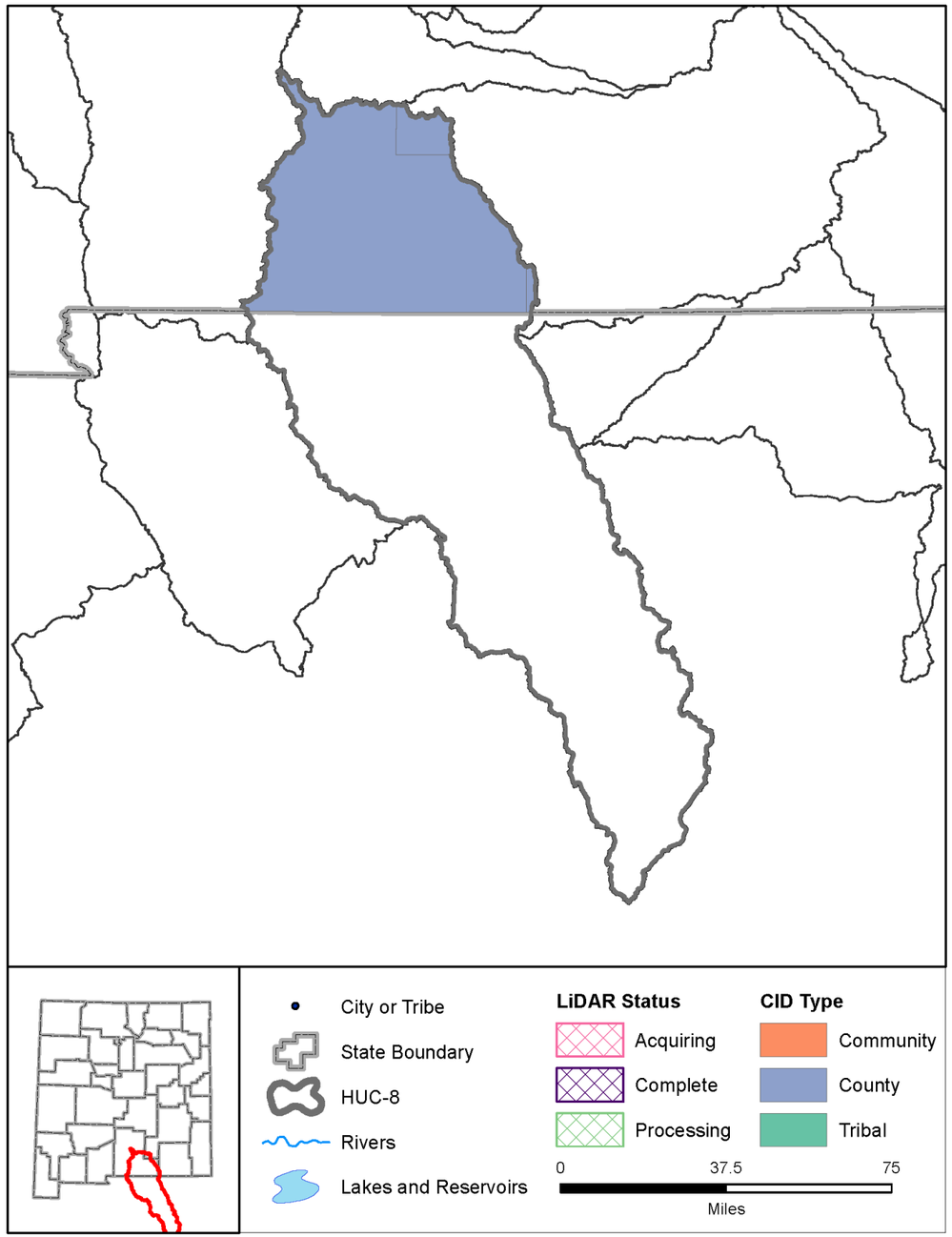
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Salt Basin

Description

The Salt Basin watershed is home to approximately 2,500 people along the southern border of New Mexico. The watershed has significant topograph relief from the Sacramento Mountains. Pinon Creek is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive throughout the watershed but no lidar is available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Otero

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_065978.pdf

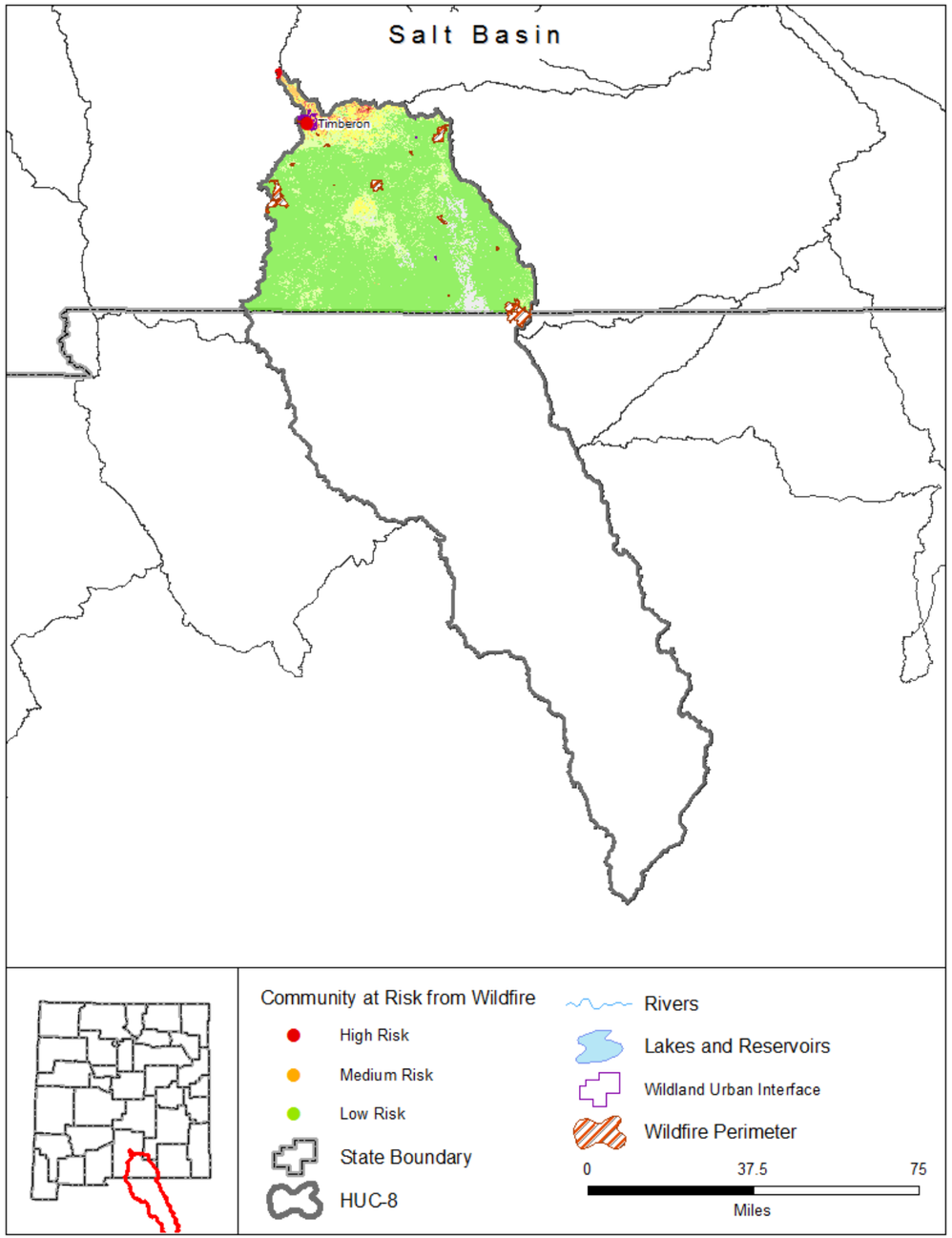
Watershed 13050004

Watershed Characteristics	
Area (sq mi)	7,915
Population in NM	2,449
CNMS Streams (mi)	464
Maximum Elevation (feet)	9,720
Minimum Elevation (feet)	3,601
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	29.82 %
Private	17.65 %
State	16.22 %
Tribal	0 %
Federal	66.12 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	3
Policies within the SFHA	1
Policies outside of the SFHA	2
NFIP Premium Total	$ 1,601
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Salt Basin

Risk Rank: Medium

Description

The Salt Basin watershed is at medium risk of wildfire. The community of Timberon was identified as high risk in the local Community Wildfire Protection Plan. A total of 21,925 acres have burned during 37 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Otero

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Timberon

Watershed 13050004

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	77%
Low	13%
Moderate	4%
High	2%
Very High	1%
Non-Burnable	3%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	37
Acres Burned 2006-2016	21,925

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.02%
Intermix	0.38%
	Acres
Interface	295
Intermix	5,736
WUI Addressed Structures	143

Communities at Risk from Wildland Fire

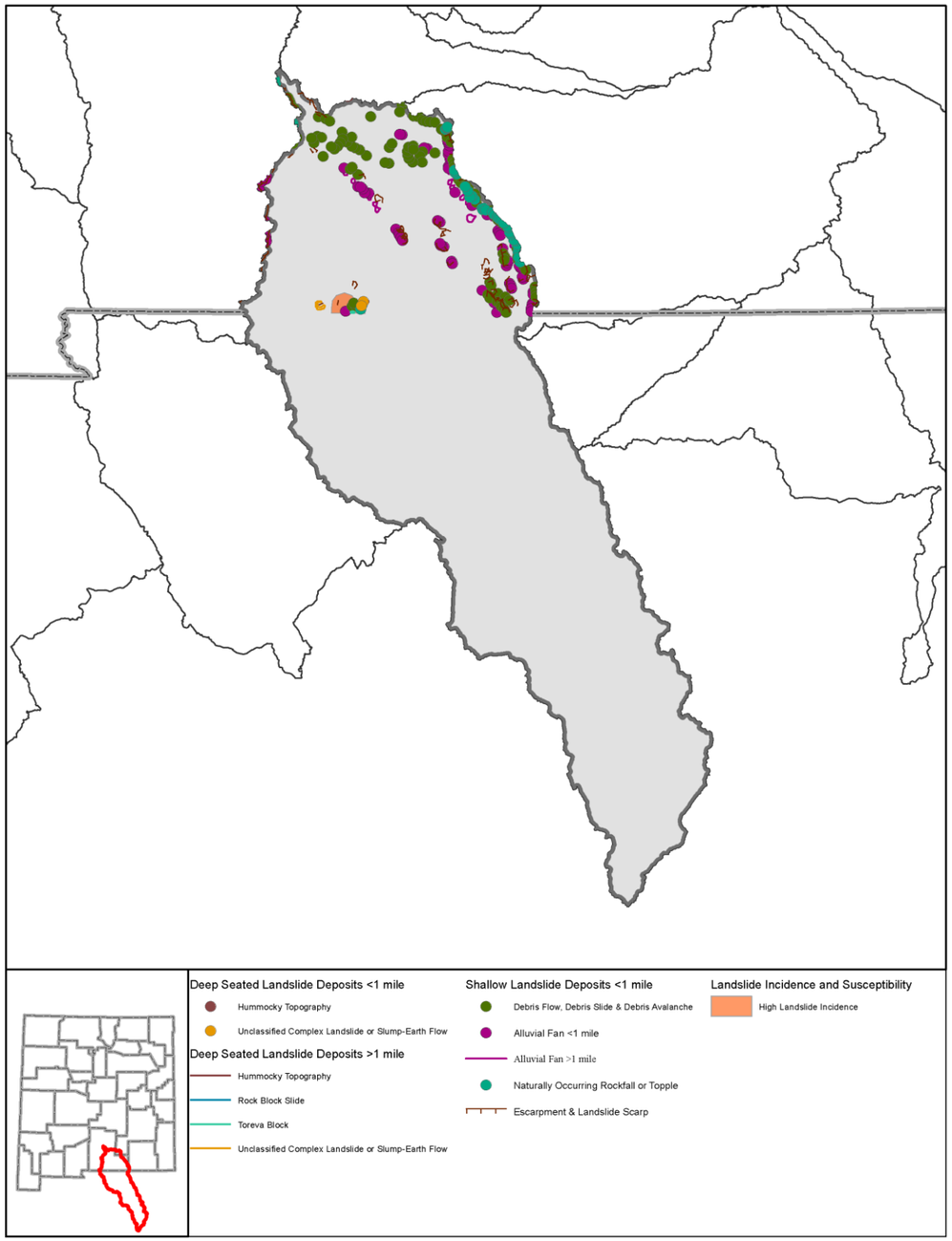
High Risk	1
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	2
Very High Priority	1

Vegetation Treatments 2006-2016

Acres Treated	87,680



Salt Basin

Risk Rank: Low

Description

The Salt Basin watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Eddy, Otero

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	25	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2360	30%

Watershed 13050004

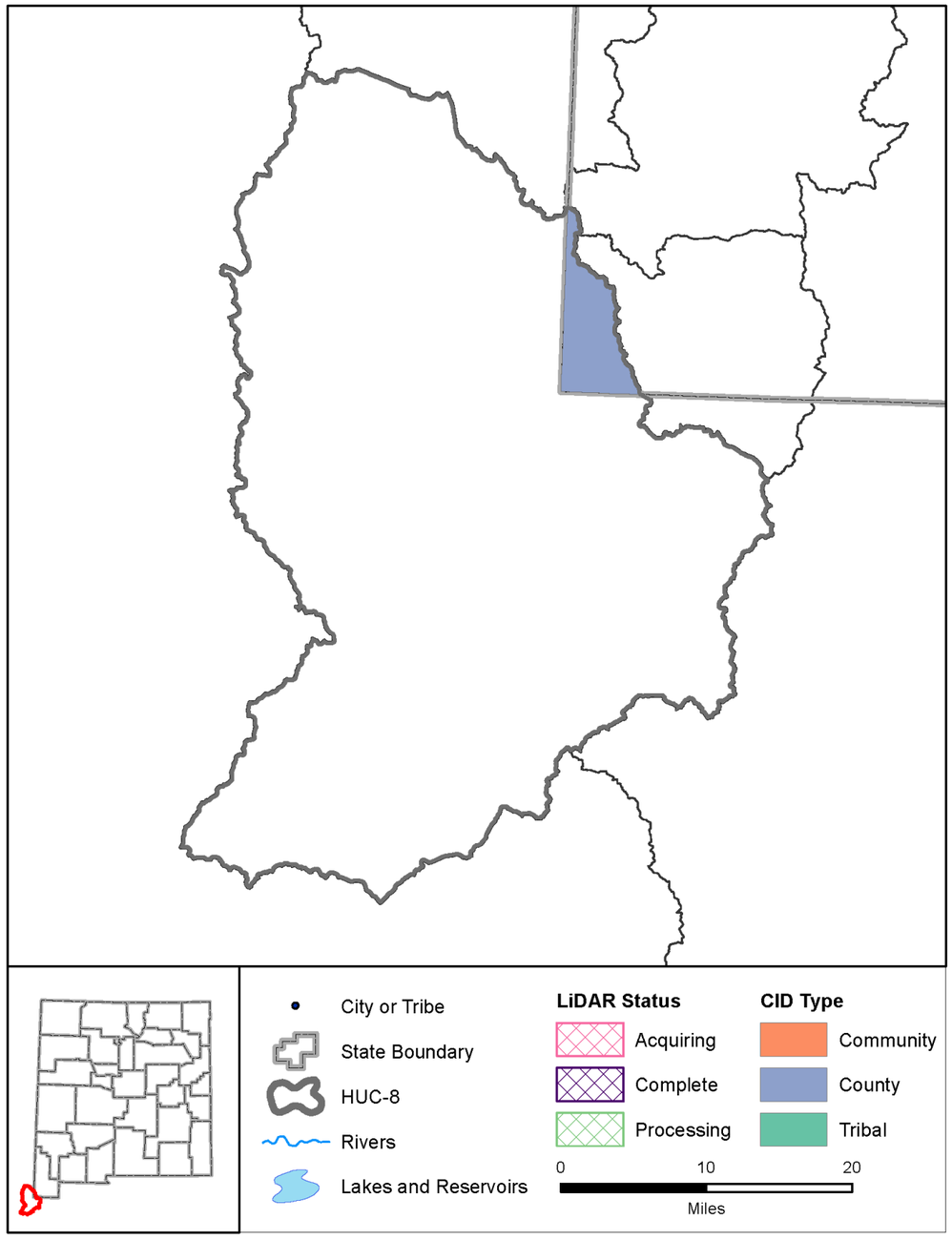
Rockfalls & Topples	36
Escarpments & Landslide Scarps	61

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	108
Alluvial Fan < 1mile	62
Alluvial Fan >1 mile	24
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	2
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	2
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	1
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	1
Total	299



San Bernardino Valley

Description

The San Bernardino Valley watershed is home to fewer than 100 people and is located on the southwestern border of New Mexico within the Guadalupe Mountains. Approximately 3% of the watershed is within New Mexico. The New Mexico portion of the watershed is comprised of smaller intermittent tributaries. There is no FIRM data or FHBM data within the watershed and no large area lidar data. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066993.pdf

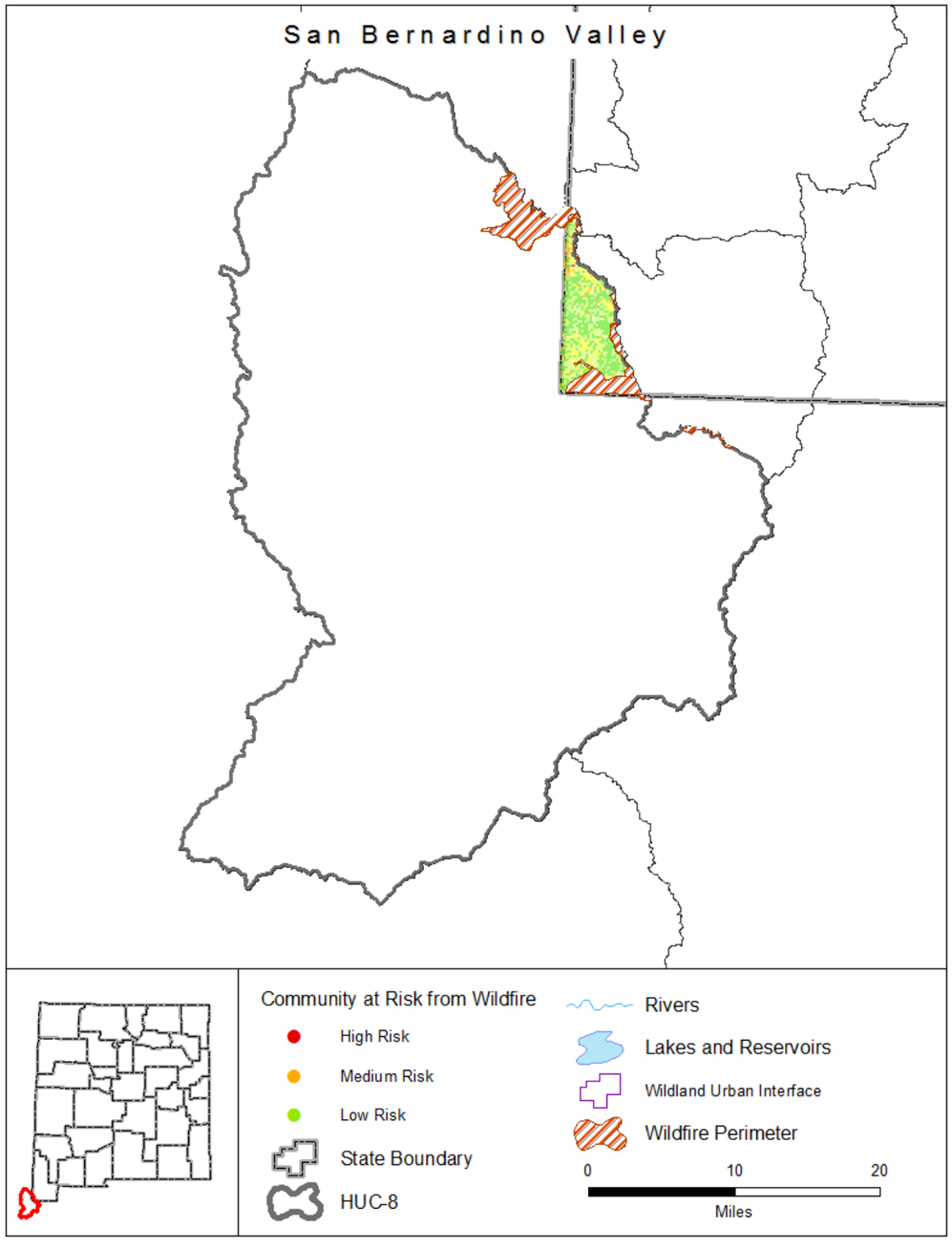
Watershed 15080302

Watershed Characteristics	
Area (sq mi)	1,387
Population in NM	54
CNMS Streams (mi)	0
Maximum Elevation (feet)	6,478
Minimum Elevation (feet)	4,352
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	2.7 %
Private	25.55 %
State	0 %
Tribal	0 %
Federal	73.96 %
States	AZ, MX, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



San Bernardino Valley

Risk Rank: Low

Description

The San Bernardino Valley is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 5,840 acres have burned during 8 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Communities at High Risk of Wildland Fire

None.

Watershed 15080302

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	49%
Low	31%
Moderate	17%
High	3%
Very High	0%
Non-Burnable	0%
Water	0%

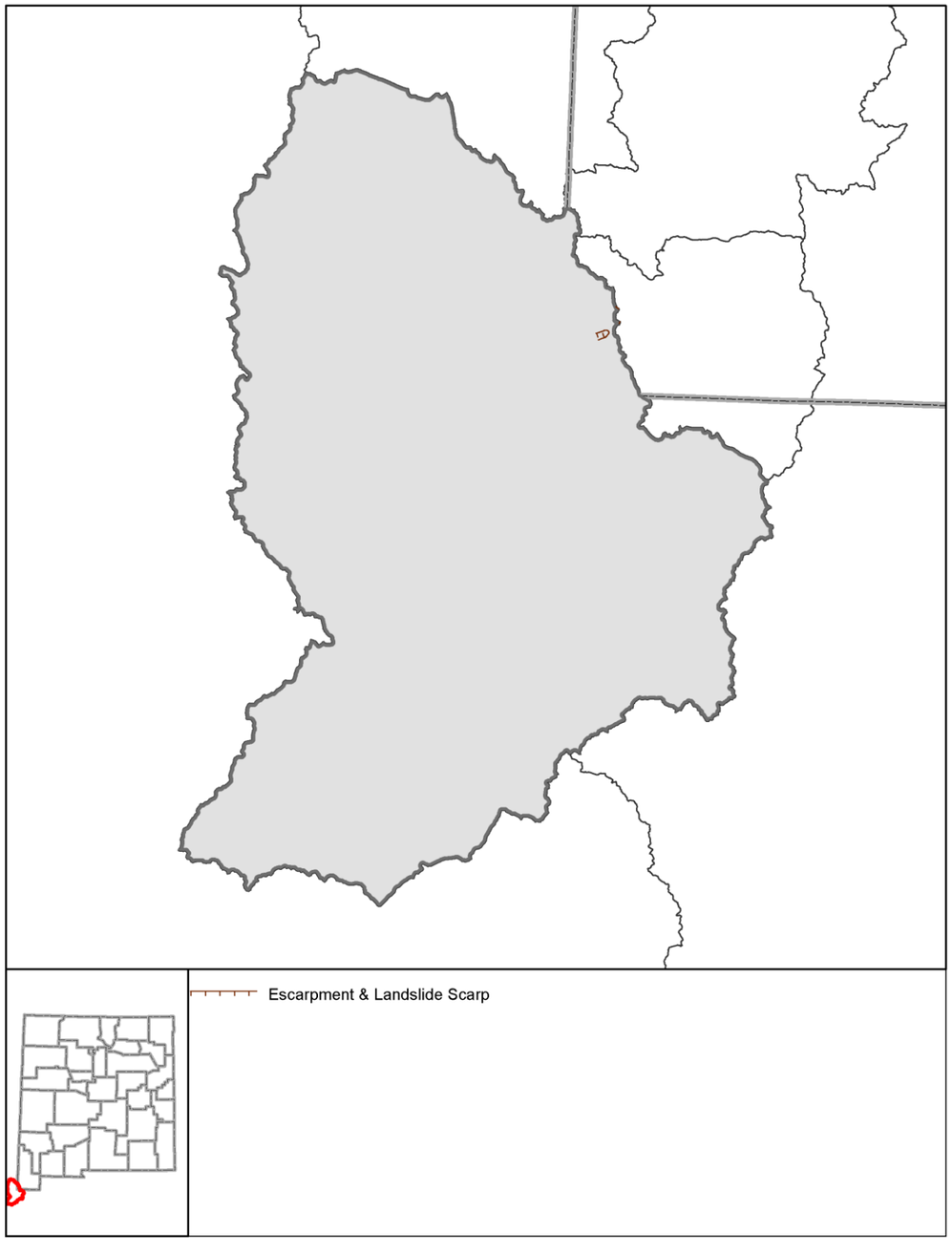
Watershed Characteristics	
Wildfires 2006-2016	8
Acres Burned 2006-2016	5,840

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



San Bernardino Valley

Risk Rank: Low

Description

The San Bernardino Valley is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	37	3%

Watershed 15080302

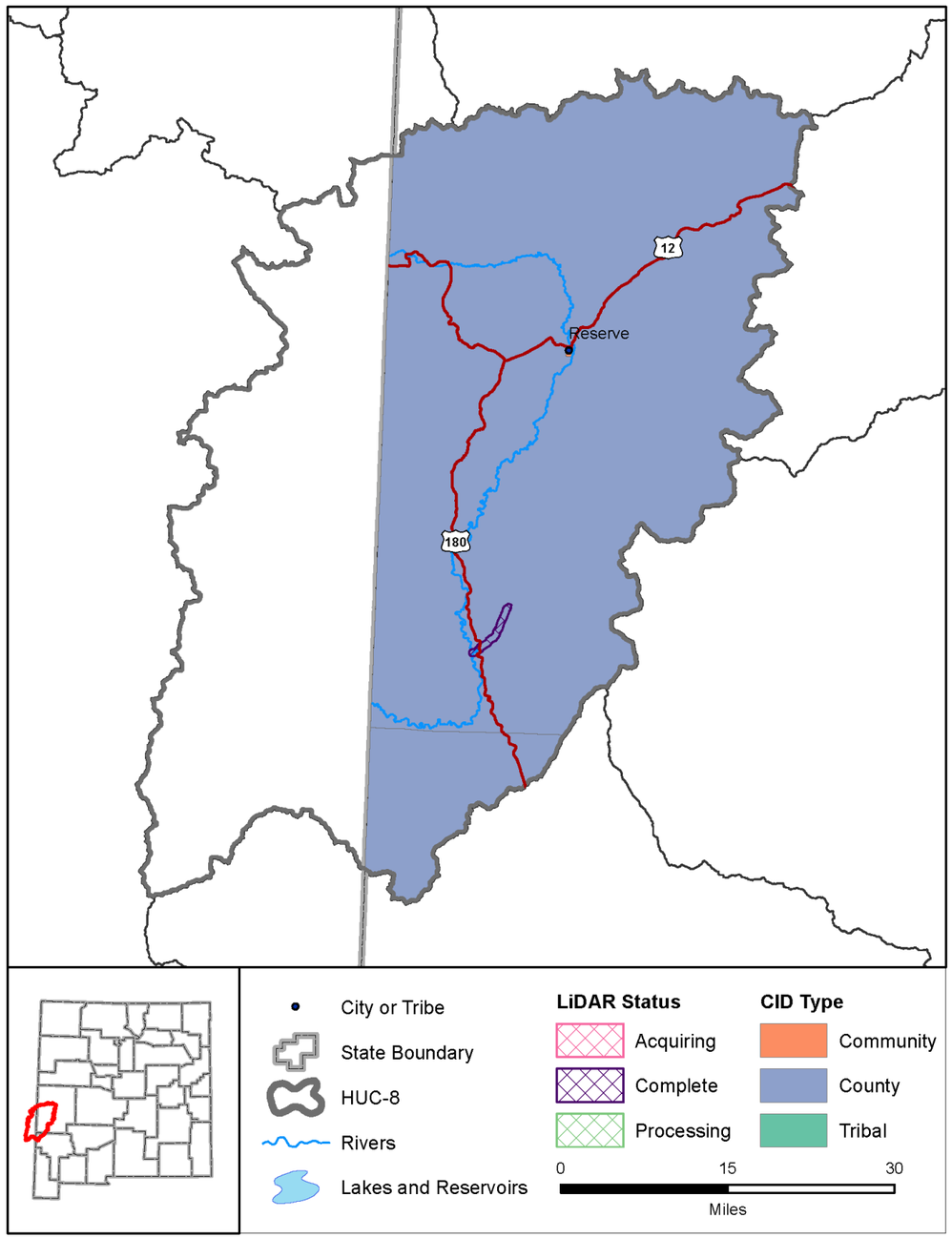
Rockfalls & Topples	0
Escarpments & Landslide Scarps	2

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	2



San Francisco

Description

The San Francisco watershed is home to approximately 2,000 people and is located on the western border of New Mexico in the San Francisco Mountains. The watershed is primarily federal land. The primary hydrologic feature is the San Francisco River with smaller intermittent tributaries. There is limited FIRM data and FHBM data within the watershed. Limited lidar is available for Whitewater Creek from the USACE in 2013. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

The USACE collected post-wildfire lidar data for Whitewater Creek in 2013.

Counties

Catron, Grant

Communities

Reserve

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068021.pdf

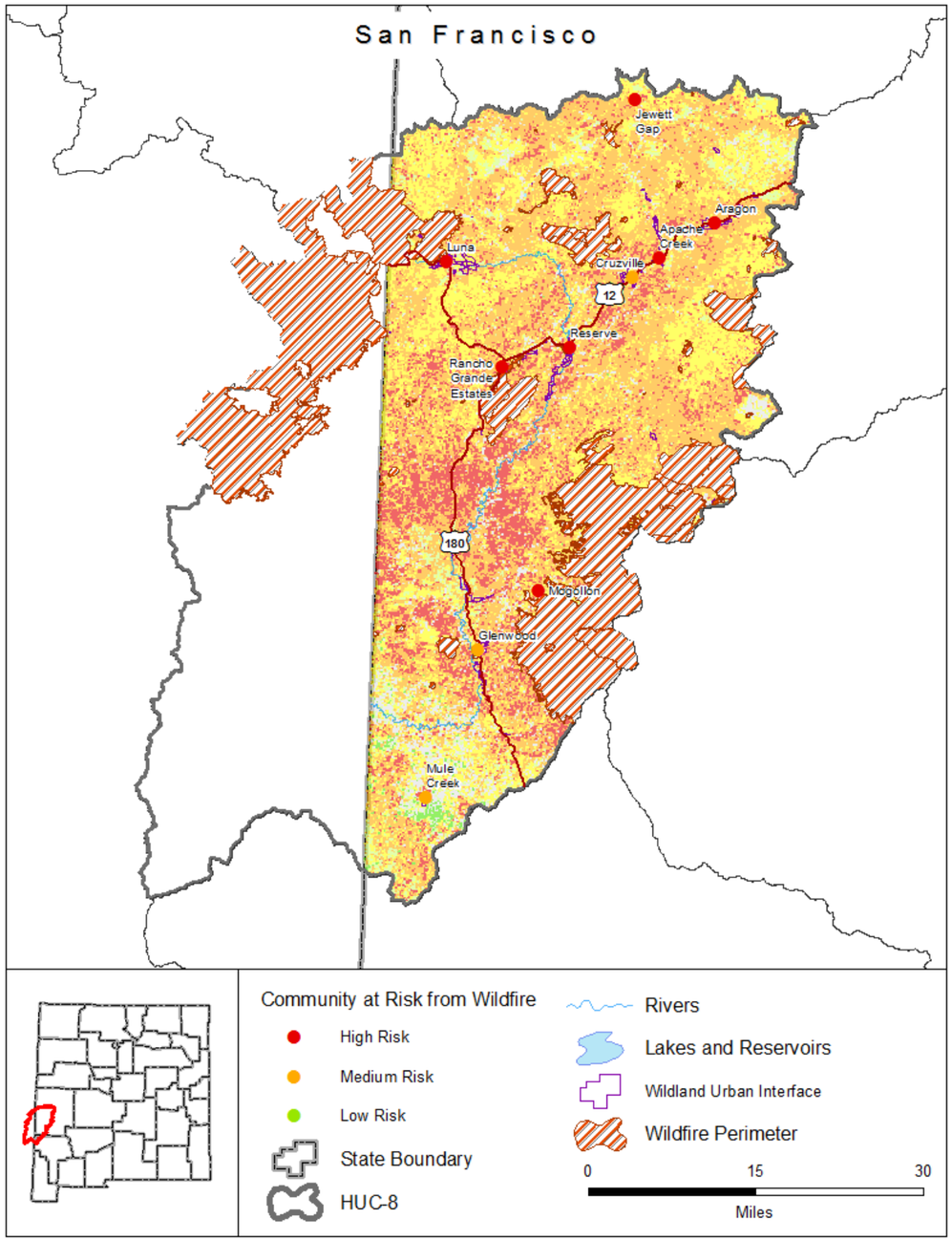
Watershed 15040004

Watershed Characteristics	
Area (sq mi)	2,809
Population in NM	1,961
CNMS Streams (mi)	50
Maximum Elevation (feet)	10,945
Minimum Elevation (feet)	4,145
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	66.48 %
Private	7.7 %
State	0.27 %
Tribal	0 %
Federal	92.02 %
States	AZ, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	43
Policies within the SFHA	1
Policies outside of the SFHA	42
NFIP Premium Total	$ 23,153
NFIP Claims	4
Claims within the SFHA	0
Claims outside of the SFHA	4
Paid Claims	$ 76,085
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



San Francisco

Risk Rank: High

Description

The San Francisco watershed is at high risk of wildfire. The communities of Apache Creek, Aragon, Jewett Gap, Luna, Mogollon, Rancho Grande Estates, and Reserve were identified as high risk in the local Community Wildfire Protection Plan. A total of 210,207 acres have burned during 119 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards as part of a study after the Whitewater-Baldy fire that burned 100,808 acres in 2012.

Lidar Data Availability

The USACE collected post-wildfire lidar data for Whitewater Creek in 2013.

Counties

Catron, Grant

Communities

Reserve

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Matherne, A.M., and Verdin K.L., 2012, Estimated probability of postwildfire debris flows in the 2012 Whitewater–Baldy Fire burn area, southwestern New Mexico: U.S. Geological Survey Open-File Report 2012–1188, 11 p., 3 pls.

Communities at High Risk of Wildland Fire

Apache Creek, Aragon, Jewett Gap, Luna, Mogollon, Rancho Grande Estates, Reserve

Watershed 15040004

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	1%
Low	4%
Moderate	29%
High	46%
Very High	14%
Non-Burnable	5%
Water	0%

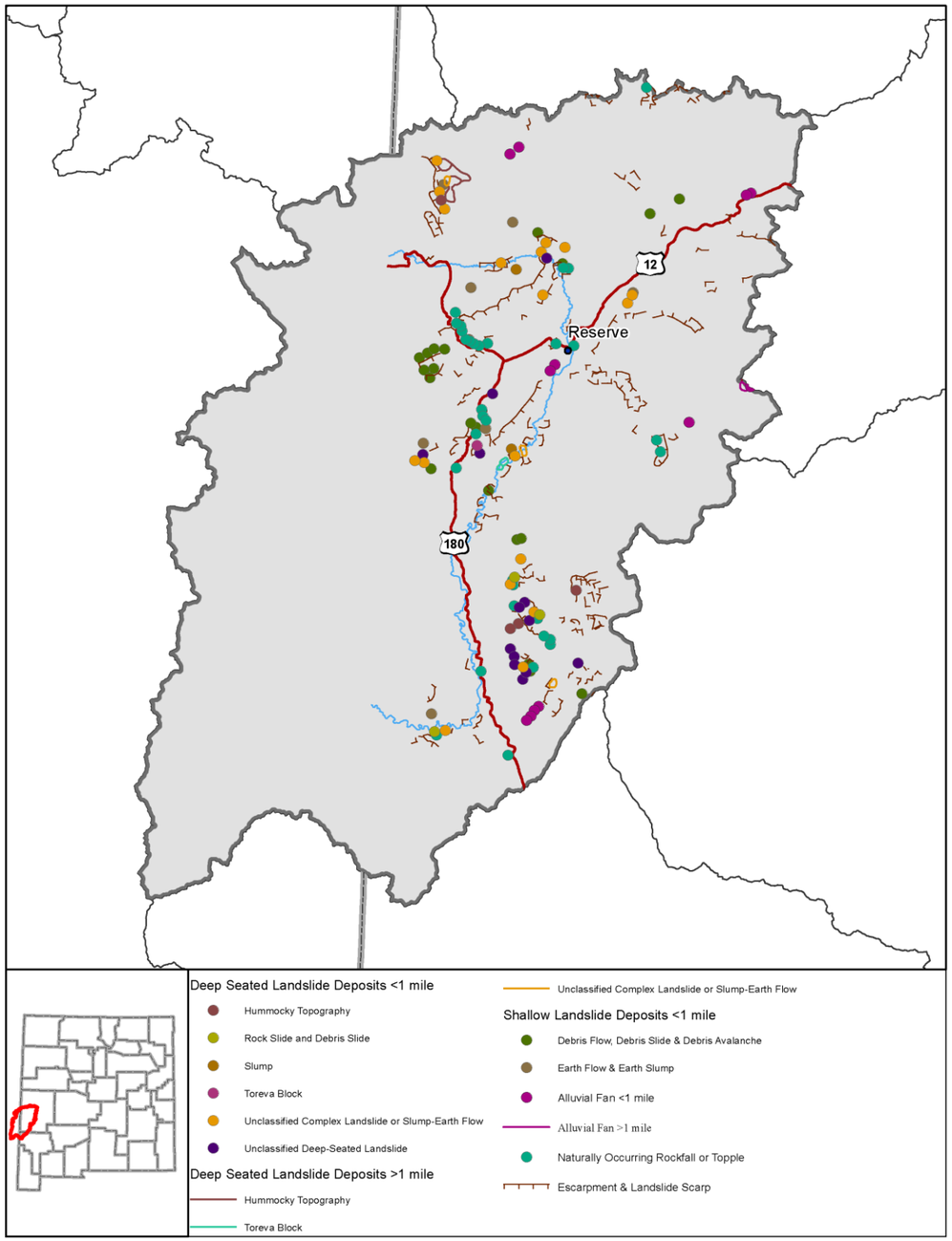
Watershed Characteristics	
Wildfires 2006-2016	119
Acres Burned 2006-2016	210,207

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.68%
	Acres
Interface	158
Intermix	8,119
WUI Addressed Structures	150

Communities at Risk from Wildland Fire	
High Risk	7
Medium Risk	3
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	33
Very High Priority	15

Vegetation Treatments 2006-2016	
Acres Treated	291,200



San Francisco

Risk Rank: Low

Description

The San Francisco watershed is at low risk of landslide processes.

Lidar Data Availability

The USACE collected post-wildfire Lidar data for Whitewater Creek in 2013.

Counties

Catron, Grant

Communities

Reserve

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1867	66%

Watershed 15040004

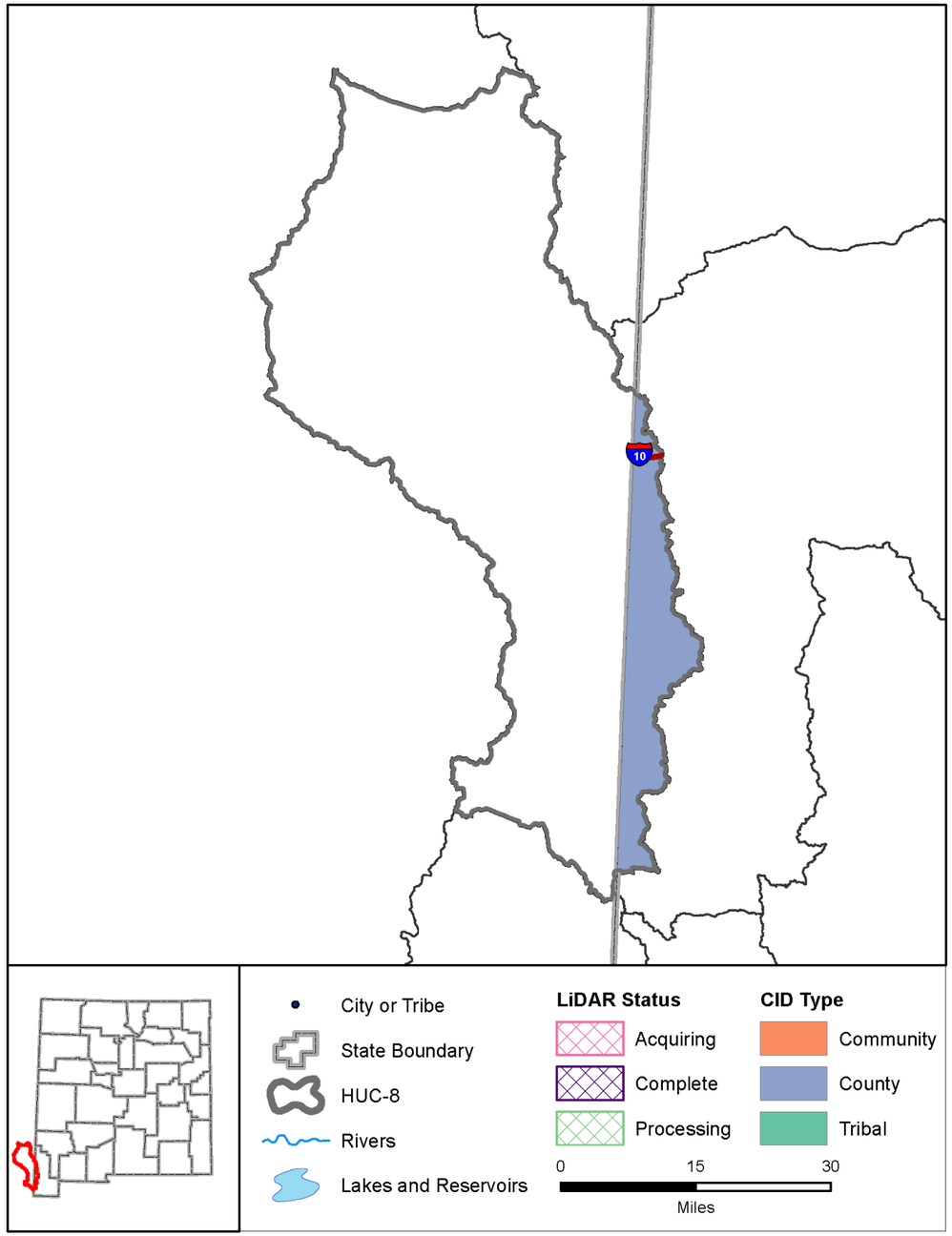
Rockfalls & Topples	33
Escarpments & Landslide Scarps	134

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	9
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	20
Alluvial Fan < 1mile	11
Alluvial Fan >1 mile	1
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	3
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	13
>1 mile	0
Hummocky Topography	
<1 mile	4
>1 mile	4
Complex Landslides	
Toreva Block	
<1 mile	1
>1 mile	2
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	18
>1 mile	4
Total	259



San Simon

Description

The San Simon watershed is home to approximately 500 people and is located on the western border of New Mexico within the Peloncillo Mountains. Approximately 10% of the watershed is within New Mexico. The San Simon River is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM data or FHBM data within the watershed and no large area lidar data. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/wps/portal/nrcs/main/nm/technical/dma/rwa/

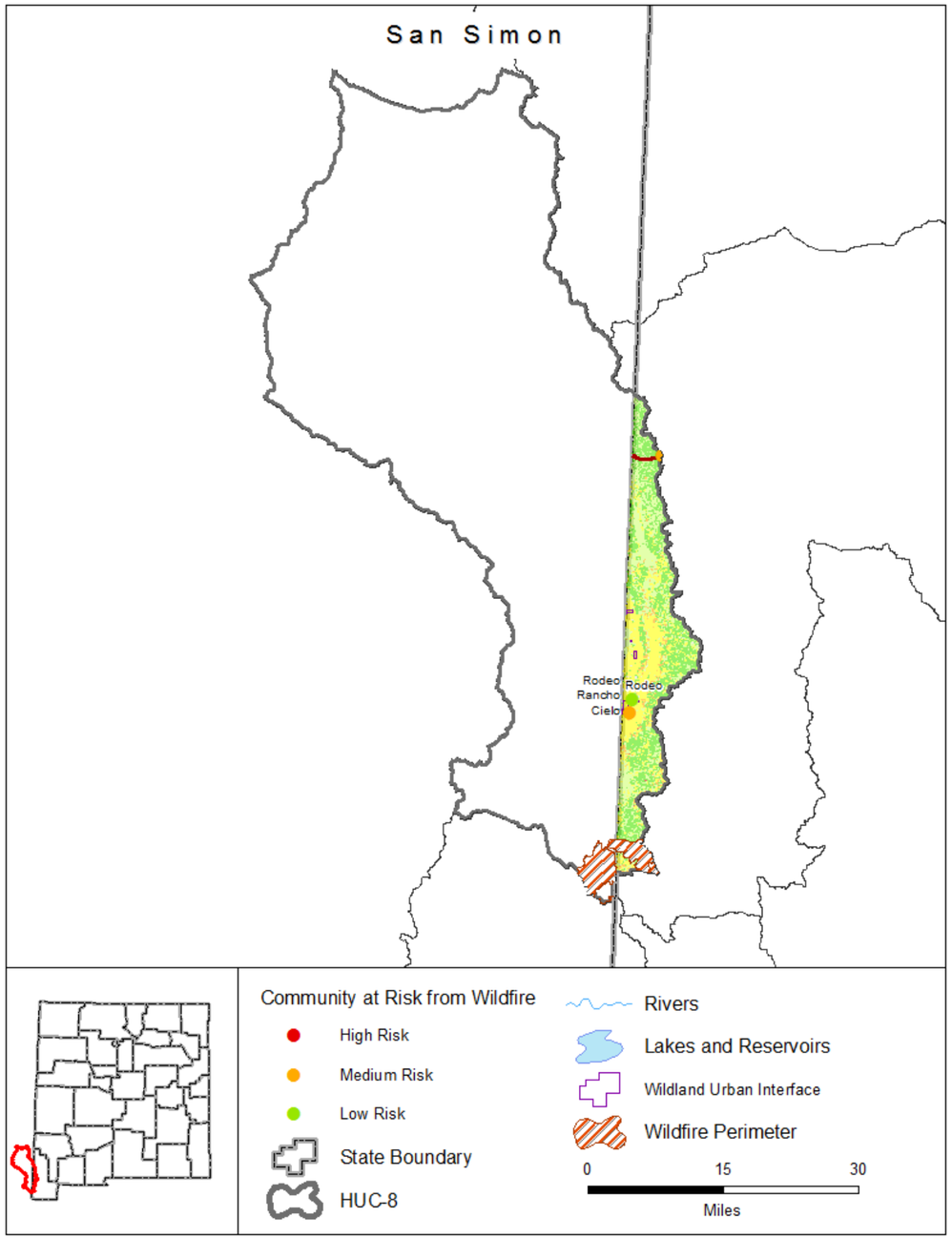
Watershed 15040006

Watershed Characteristics	
Area (sq mi)	2,258
Population in NM	511
CNMS Streams (mi)	0
Maximum Elevation (feet)	6,945
Minimum Elevation (feet)	3,894
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	10.37 %
Private	33.33 %
State	10.35 %
Tribal	0 %
Federal	56.32 %
States	AZ, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



San Simon

Risk Rank: Low

Description

The San Simon watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 36,455 acres have burned during 6 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Communities at High Risk of Wildland Fire

None.

Watershed 15040006

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	39%
Low	28%
Moderate	28%
High	4%
Very High	0%
Non-Burnable	1%
Water	0%

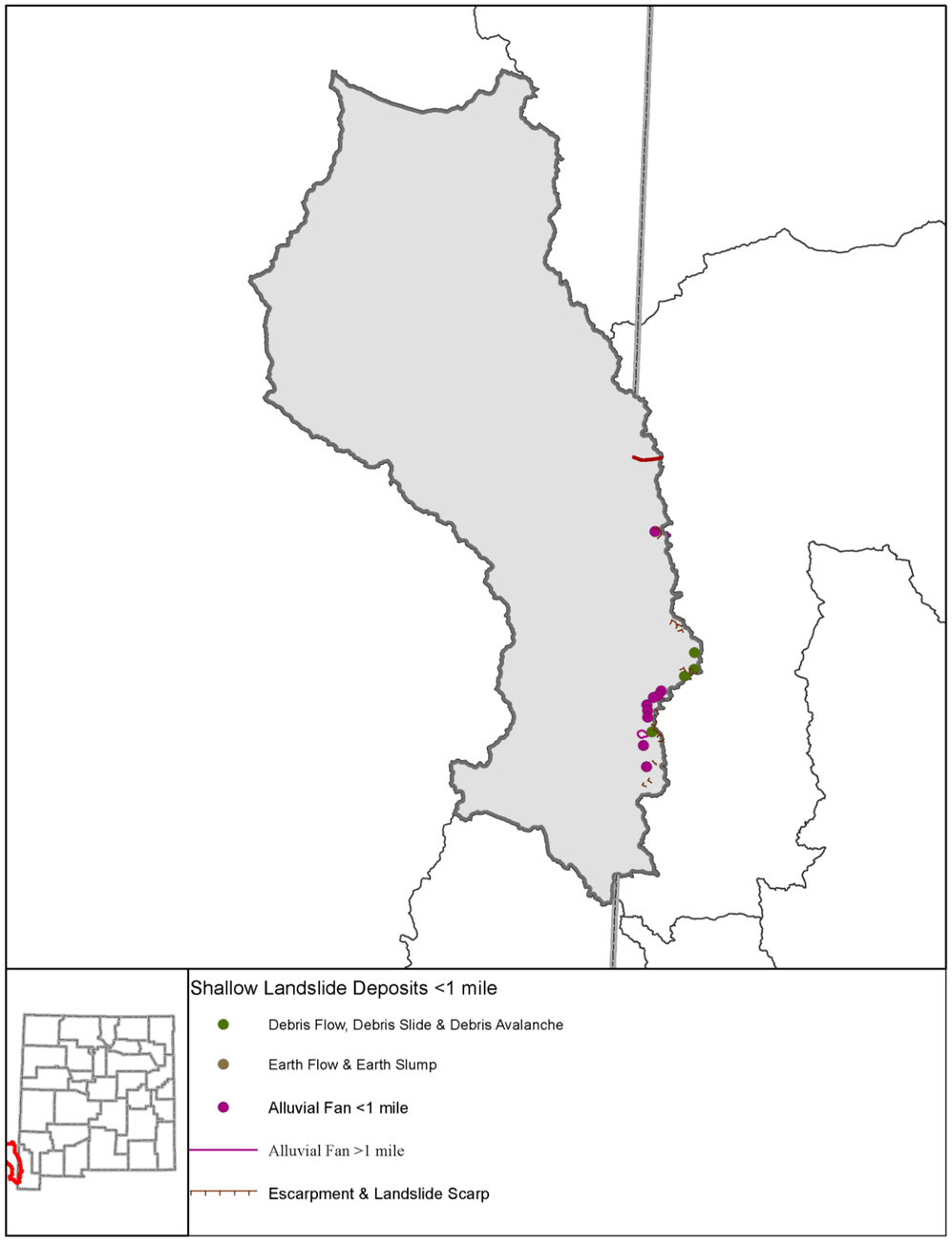
Watershed Characteristics	
Wildfires 2006-2016	6
Acres Burned 2006-2016	6,455

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.51%
	Acres
Interface	22
Intermix	761
WUI Addressed Structures	11

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	1
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



San Simon

Risk Rank: Low

Description

The Lower San Juan - Four Corners watershed at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	2	0%
Total	7	0%

Watershed 15040006

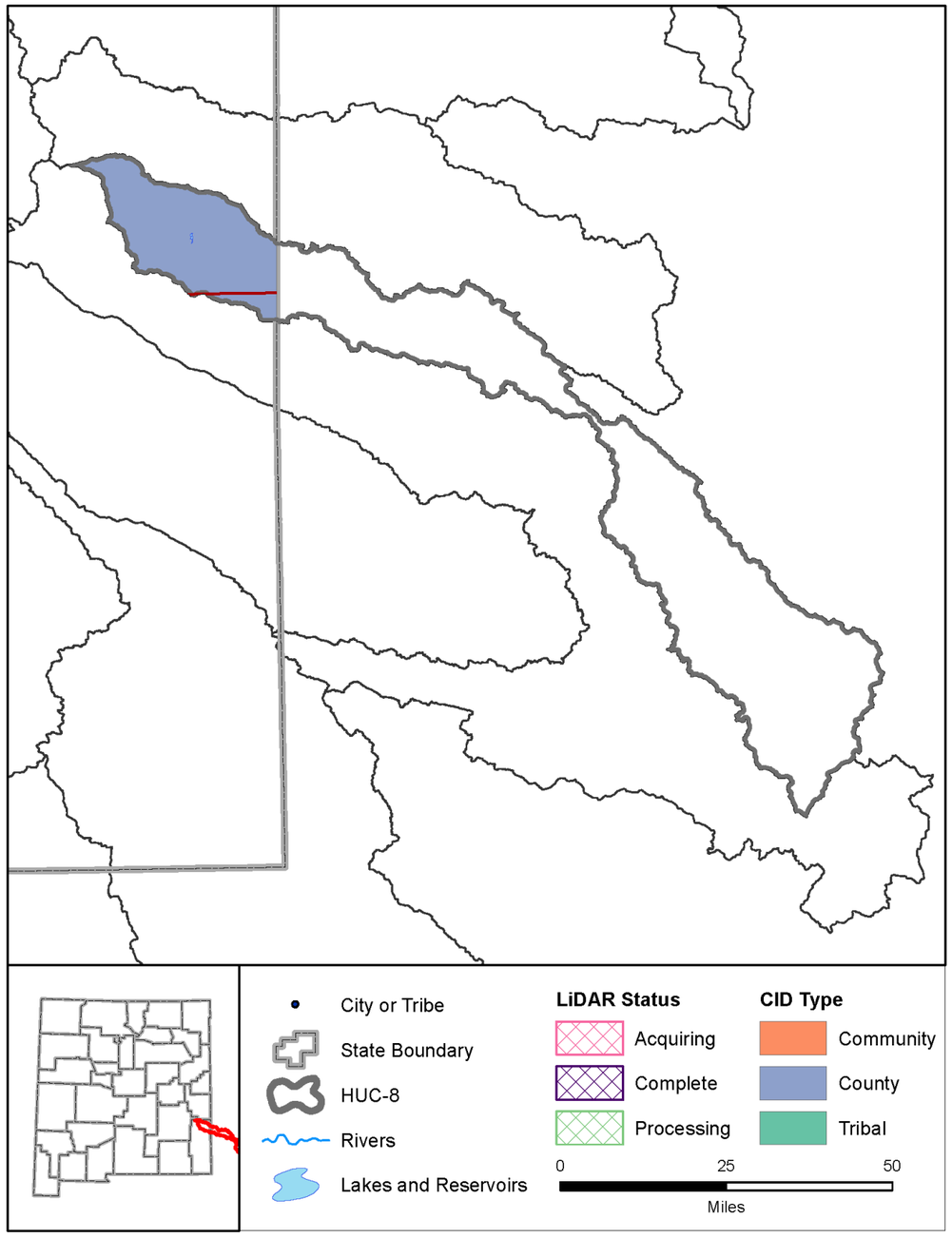
Rockfalls & Topples	27
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	27



Sulphur Springs Draw

Description

The Sulphur Springs watershed is home to approximately 300 people along the southeastern border of New Mexico. The watershed is part of the Llano Estacado (Staked Plain). The primary hydrologic features include Ranger Lake and multiple areas with intermittent ponds/lakes. There is no FIRM or FHBM data. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

No significant lidar available.

Counties

Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067968.pdf

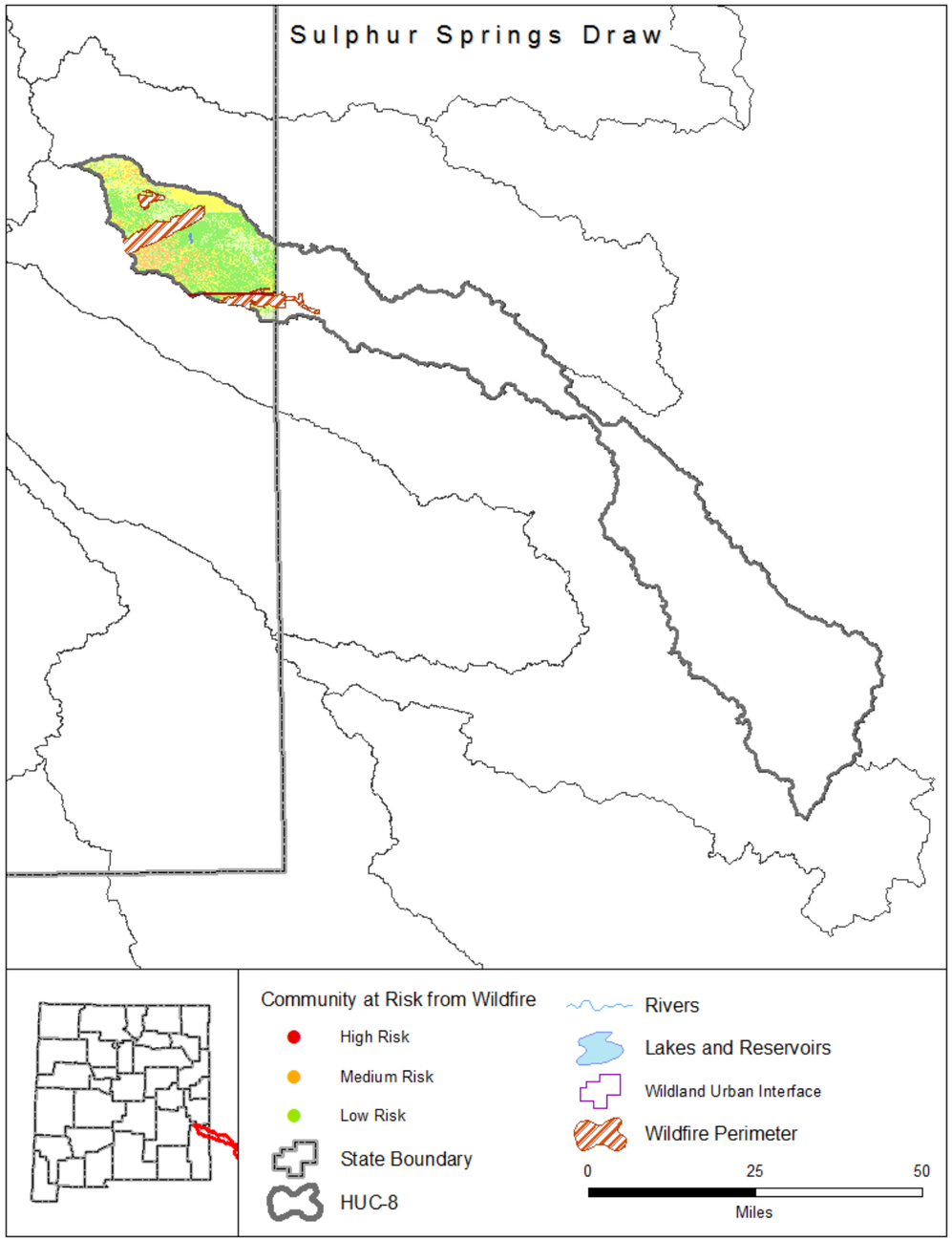
Watershed 12080006

Watershed Characteristics	
Area (sq mi)	1,885
Population in NM	295
CNMS Streams (mi)	0
Maximum Elevation (feet)	4,411
Minimum Elevation (feet)	3,783
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	20.14 %
Private	69.45 %
State	30.5 %
Tribal	0 %
Federal	0.03 %
States	NM, TX

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Sulphur Springs Draw

Risk Rank: Medium

Description

The Sulphur Springs watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 30,231 acres have burned during 3 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 12080006

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	41%
Low	18%
Moderate	31%
High	8%
Very High	0%
Non-Burnable	2%
Water	0%

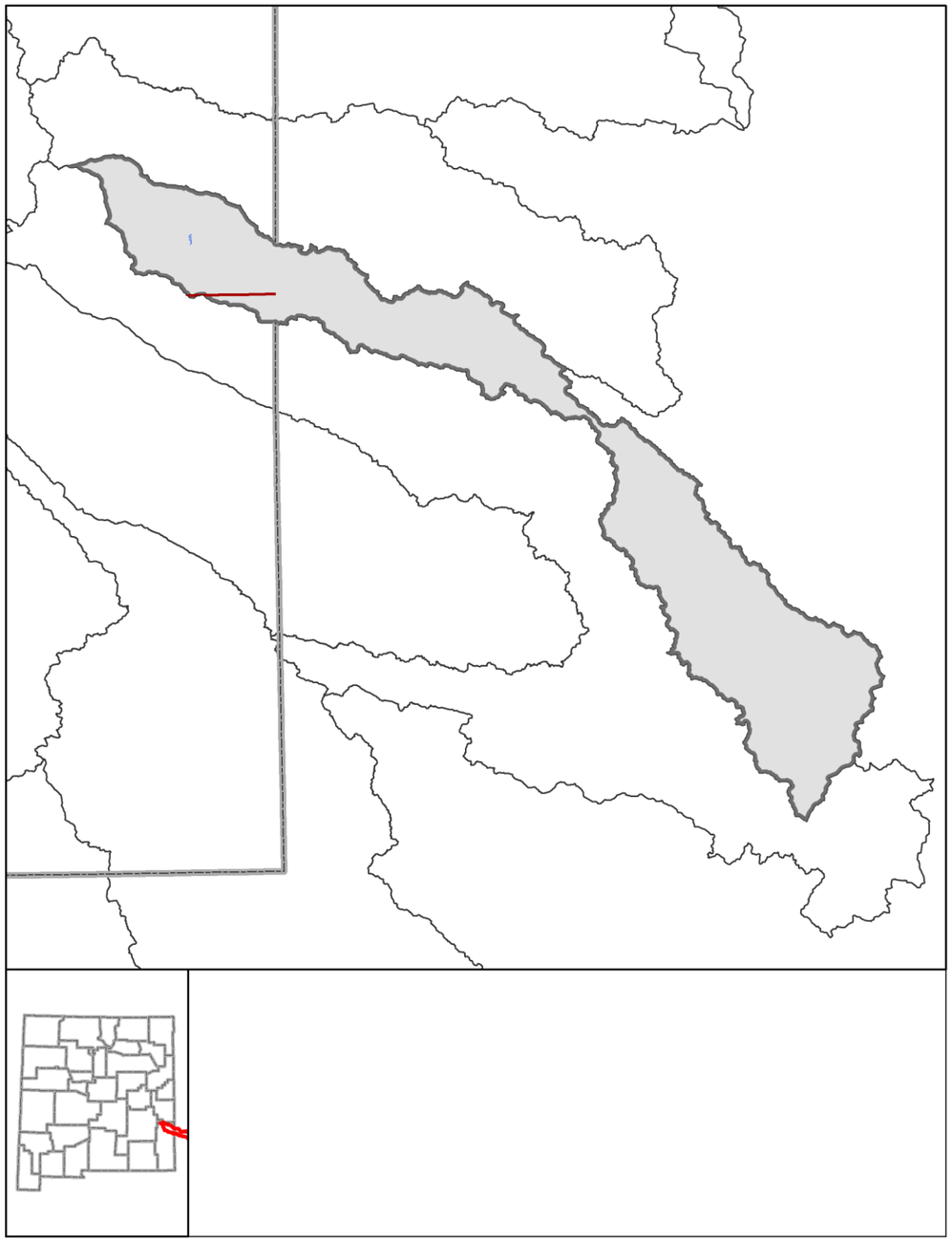
Watershed Characteristics	
Wildfires 2006-2016	3
Acres Burned 2006-2016	30,231

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	1
WUI Addressed Structures	1

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	3,200



Sulphur Springs Draw

Risk Rank: None/Unknown

Description

The Sulphur Springs watershed is atmedium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Lea

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	380	20%

Watershed 12080006

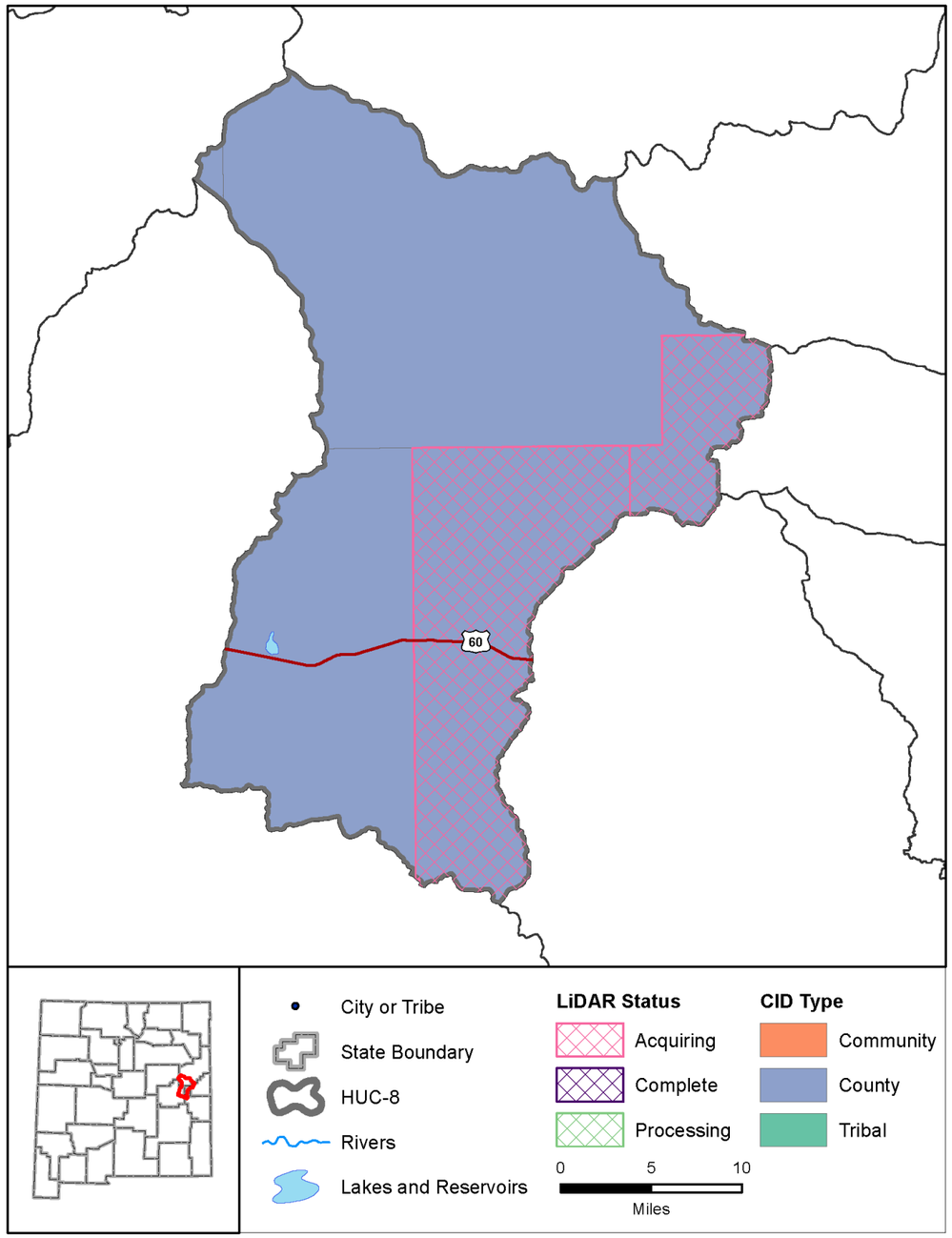
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Taiban

Description

The Taiban watershed is home to fewer than 500 people in the western portion of New Mexico. The watershed has moderate topograph relief with mountains along the southwest border. Taiban and Alamosa Creeks are the primary hydrologic features with many smaller tributaries. FIRM data is limited within Curry County for the watershed. There will be lidar acquired for the eastern part of the watershed in 2015. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the eastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, De Baca, Guadalupe, Quay, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

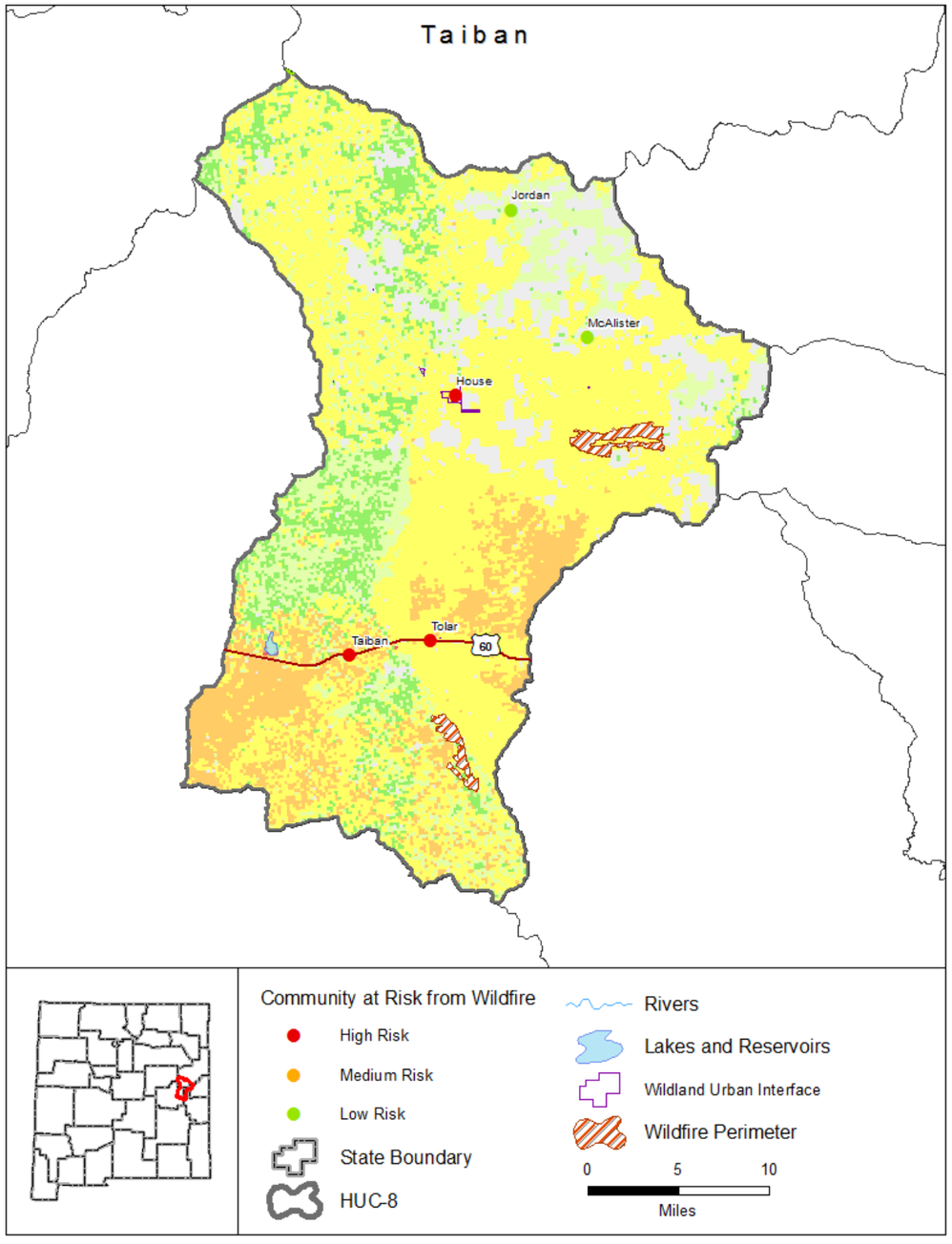
Watershed 13060004

Watershed Characteristics	
Area (sq mi)	805
Population in NM	428
CNMS Streams (mi)	11
Maximum Elevation (feet)	5,412
Minimum Elevation (feet)	3,876
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	82.21 %
State	17.77 %
Tribal	0 %
Federal	0.02 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Taiban

Risk Rank: Low

Description

The Taiban watershed is at low risk of wildfire. The communities of House, Taiban, and Tolar were identified as high risk in the local Community Wildfire Protection Plan. A total of 4,904 acres have burned during 2 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the eastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, De Baca, Guadalupe, Quay, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

House, Taiban, Tolar

Watershed 13060004

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	9%
Low	16%
Moderate	52%
High	11%
Very High	%
Non-Burnable	12%
Water	0%

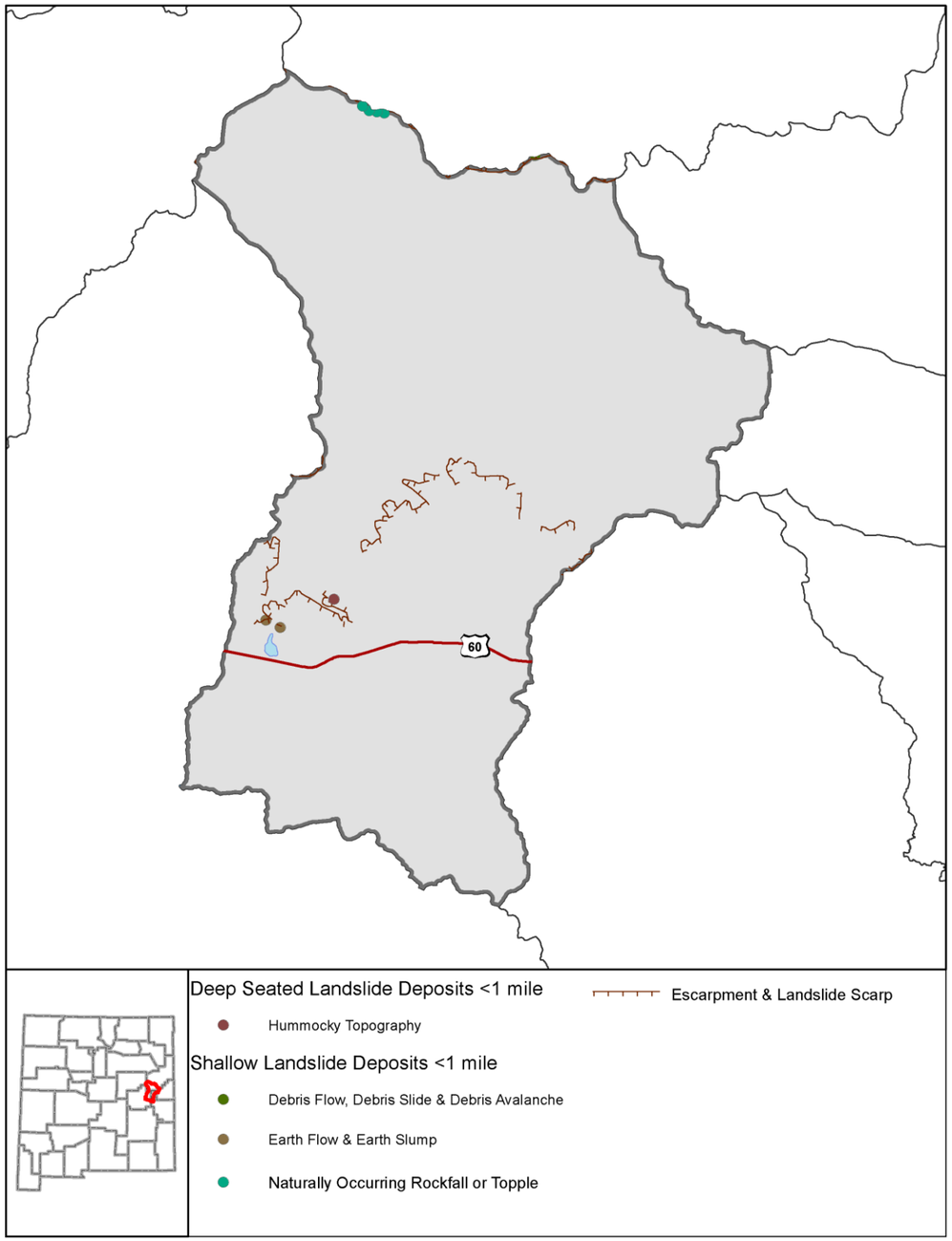
Watershed Characteristics	
Wildfires 2006-2016	2
Acres Burned 2006-2016	4,904

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.03%
Intermix	0.06%
	Acres
Interface	156
Intermix	305
WUI Addressed Structures	13

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	0
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Taiban

Risk Rank: Low

Description

The Taiban watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018. A coalition of federal agencies collected USGS QL2 Lidar for the eastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in 2015.

Counties

Curry, De Baca, Guadalupe, Quay, Roosevelt

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	805	100%

Watershed 13060004

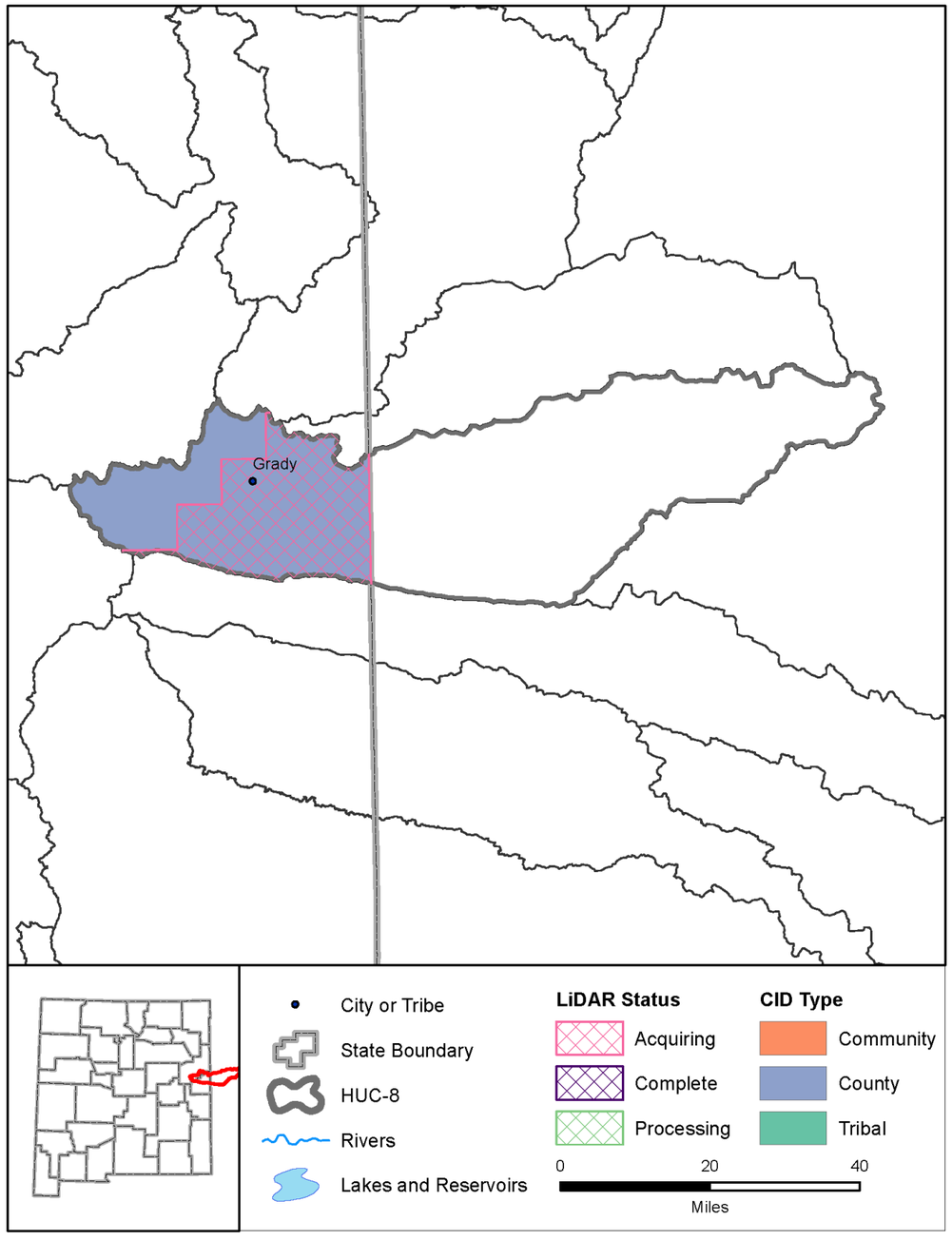
Rockfalls & Topples	4
Escarpments & Landslide Scarps	11

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	18



Tierra Blanca

Description

The Tierra Blanca watershed is home to fewer than 1,000 people along the eastern border of New Mexico. The watershed is part of the eastern plains. The primary hydrographic features, within New Mexico, are Tierra Blanca Creek, Blanco Creek, and intermittent lakes. There is no FIRM data outside of Curry County. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for part of the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Quay

Communities

Grady

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

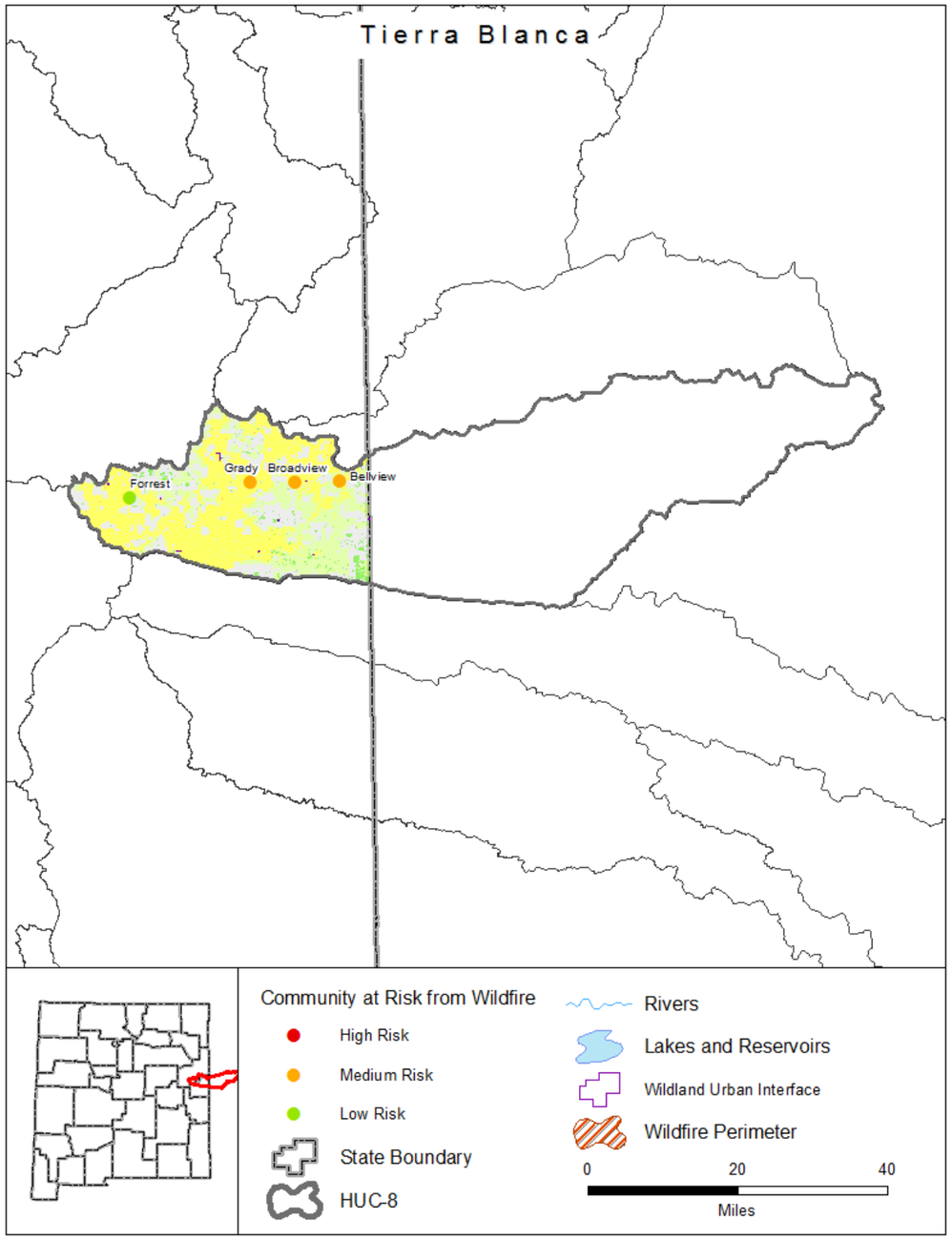
Watershed 11120101

Watershed Characteristics	
Area (sq mi)	1,917
Population in NM	910
CNMS Streams (mi)	83
Maximum Elevation (feet)	4,970
Minimum Elevation (feet)	4,199
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	33.02 %
Private	91.67 %
State	8.32 %
Tribal	0 %
Federal	0 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Tierra Blanca

Risk Rank: Low

Description

The Tierra Blanca watershed is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. Lidar data was collected in 2015 by FEMA.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for part of the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Curry, Quay

Communities

Grady

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11120101

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	3%
Low	23%
Moderate	46%
High	0%
Very High	0%
Non-Burnable	29%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.03%
Intermix	0.02%
	Acres
Interface	139
Intermix	61
WUI Addressed Structures	9

Communities at Risk from Wildland Fire

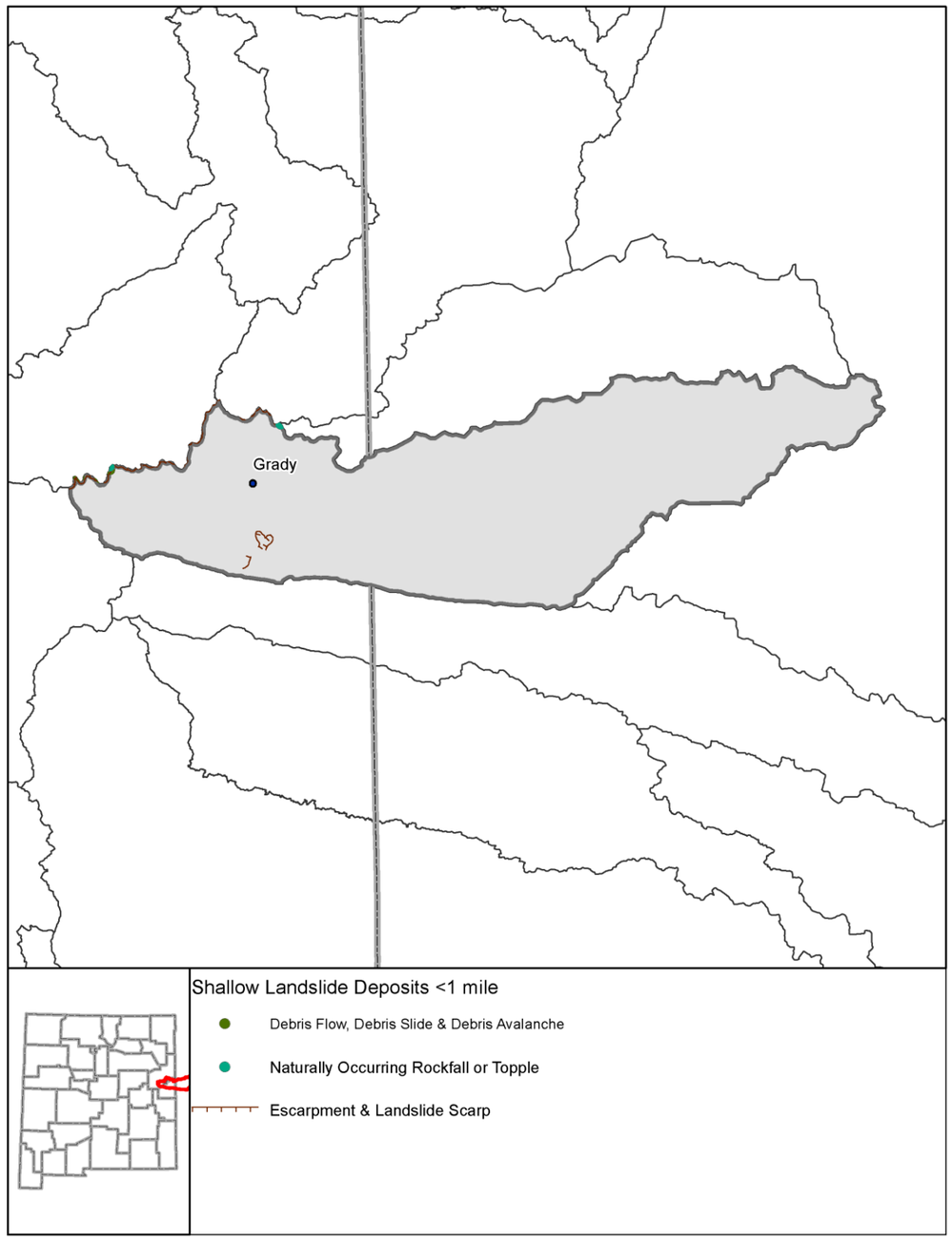
High Risk	0
Medium Risk	3
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Tierra Blanca

Risk Rank: Low

Description

The Tierra Blanca watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018. A coalition of federal agencies collected USGS QL2 Lidar for the eastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in 2015.

Counties

Curry, Quay

Communities

Grady

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	633	33%

Watershed 11120101

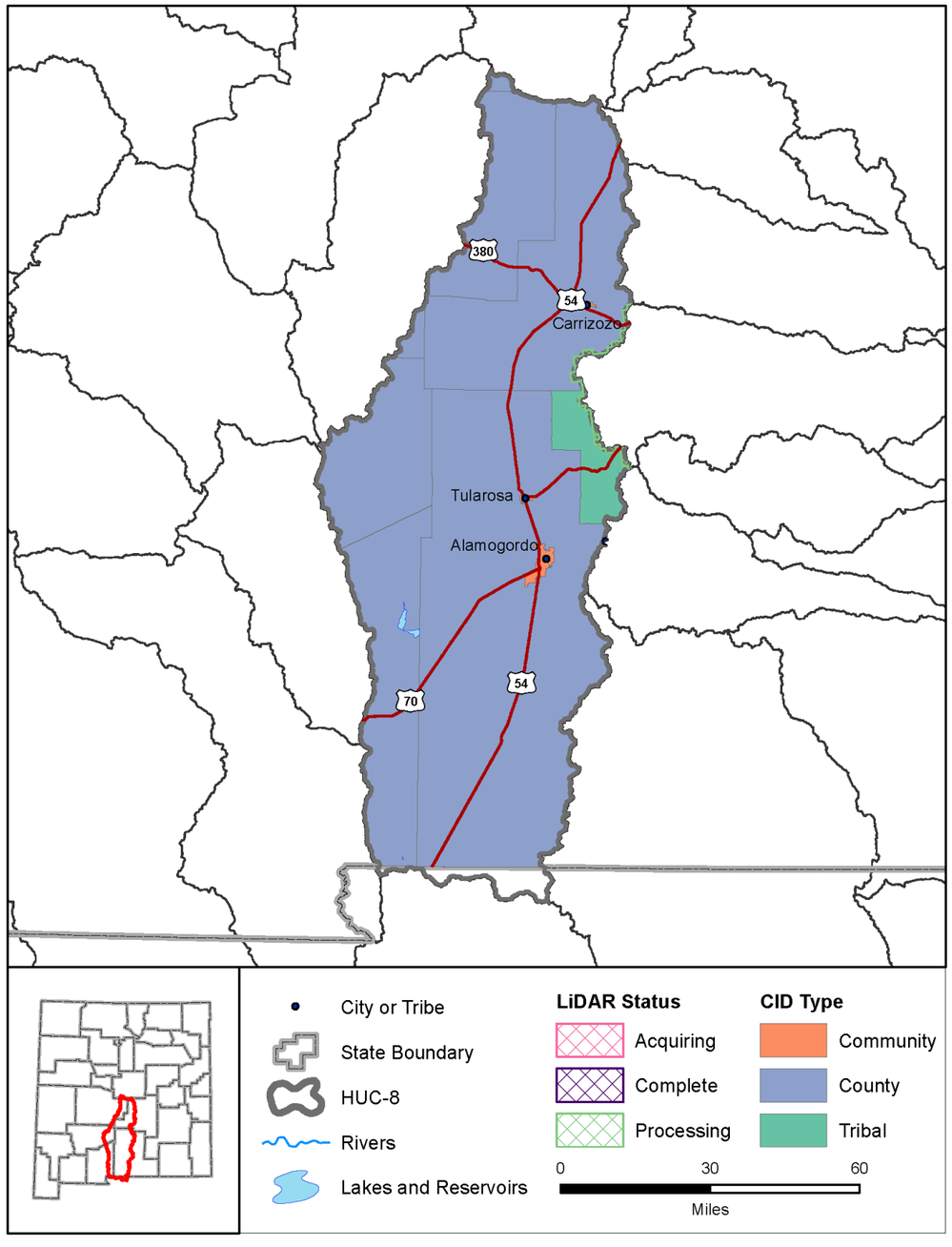
Rockfalls & Topples	1
Escarpments & Landslide Scarps	4

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	1
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	6



Tularosa Valley

Description

The Tularosa Valley watershed is home to approximately 73,000 people along the southern border of New Mexico. The watershed has significant topograph relief from the Sacramento Mountains into the Tularosa Valley. Tularosa Creek is the primary hydrologic feature with many smaller tributaries. The watershed has limited FHBM and FIRM data despite being home to tens of thousands of people. No lidar data is available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Lincoln, Otero, Sierra, Socorro, Torrance

Communities

Alamogordo, Carrizozo, Cloudcroft, Tularosa

Tribal Nations

Mescalero Reservation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066315.pdf

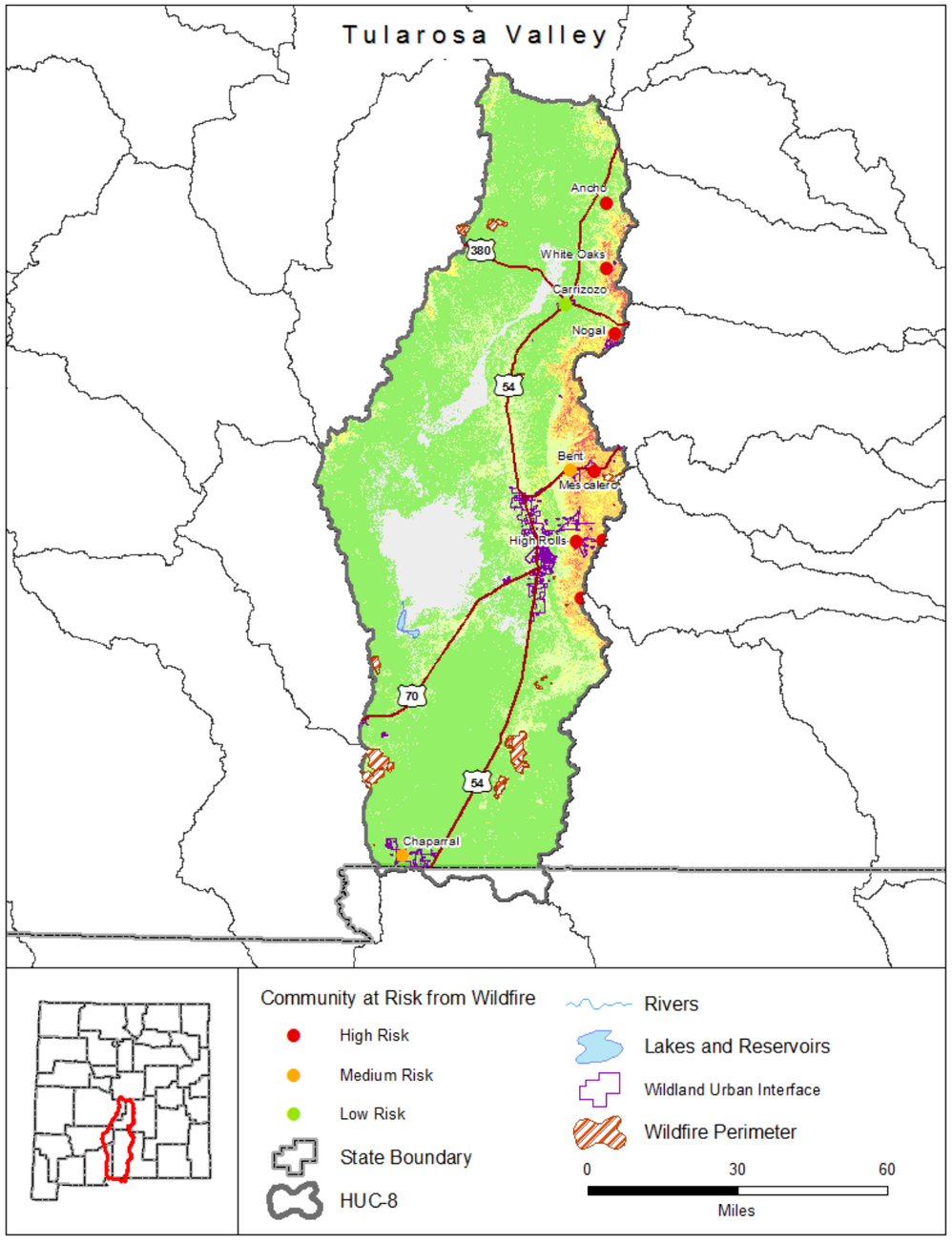
Watershed 13050003

Watershed Characteristics	
Area (sq mi)	6,708
Population in NM	72,807
CNMS Streams (mi)	730
Maximum Elevation (feet)	11,965
Minimum Elevation (feet)	3,859
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	98.23 %
Private	16.65 %
State	6.21 %
Tribal	3.48 %
Federal	73.66 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	11
NFIP Communities	10
NFIP Policies	1915
Policies within the SFHA	1553
Policies outside of the SFHA	362
NFIP Premium Total	$ 1,188,282
NFIP Claims	103
Claims within the SFHA	43
Claims outside of the SFHA	60
Paid Claims	$ 1,222,929
Repetitive Loss Structures	10
Repetitive Loss Claims	20
Rep Loss Structures within SFHA	3
Rep Loss Structures outside SFHA	7
Repetitive Loss Total	$ 474,343



Tularosa Valley

Risk Rank: High

Description

The Tularosa Valley watershed is at high risk of wildfire. The communities of Ancho, Cloudcroft, High Rolls, Mescalero, Nogal, Sunspot Observatory, and White Oaks were identified as high risk in the local Community Wildfire Protection Plan. A total of 49,843 acres have burned during 48 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards as part of a postwildfire study of the 2012 Little Bear Fire.

Lidar Data Availability

No significant lidar available.

Counties

Dona Ana, Lincoln, Otero, Sierra, Socorro, Torrance

Communities

Alamogordo, Carrizozo, Cloudcroft, Tularosa

Tribal Nations

Mescalero Reservation

Debris Flow Modeling

Tillery, A.C., and Matherne, A.M., 2013, Postwildfire debris-flow hazard assessment of the area burned by the 2012 Little Bear Fire, south-central New Mexico: U.S. Geological Survey Open-File Report 2013–1108, 15 p., 3 pls., http://pubs.usgs.gov/of/2013/1108/.

Communities at High Risk of Wildland Fire

Ancho, Cloudcroft, High Rolls, Mescalero, Nogal, Sunspot Observatory, White Oaks

Watershed 13050003

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	67%
Low	14%
Moderate	4%
High	4%
Very High	1%
Non-Burnable	10%
Water	0%

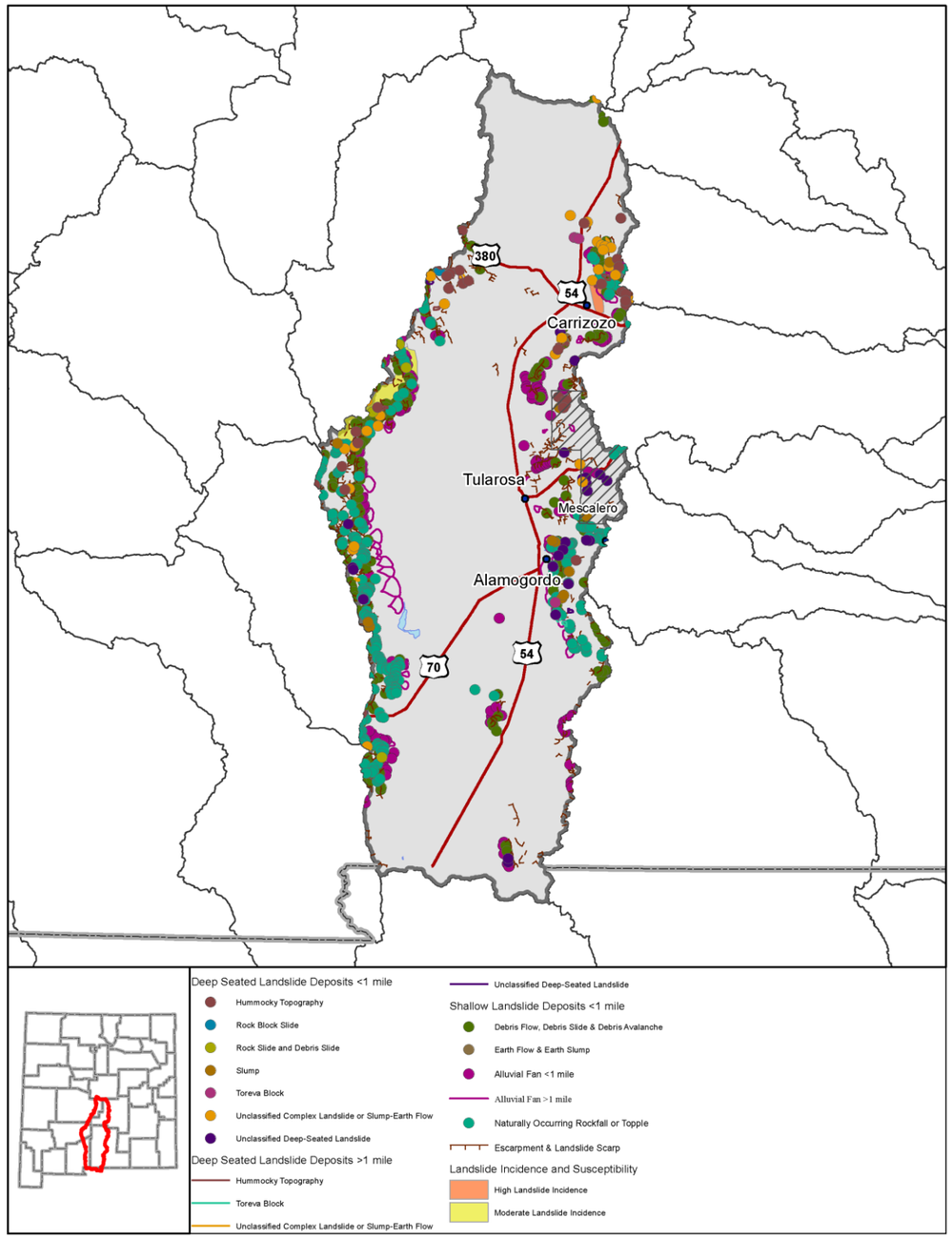
Watershed Characteristics	
Wildfires 2006-2016	48
Acres Burned 2006-2016	49,843

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.17%
Intermix	1.67%
	Acres
Interface	7,005
Intermix	70,362
WUI Addressed Structures	854

Communities at Risk from Wildland Fire	
High Risk	7
Medium Risk	2
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	17
Very High Priority	5

Vegetation Treatments 2006-2016	
Acres Treated	62,720



Tularosa Valley

Risk Rank: High

Description

The Tularosa Valley watershed is at high of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Dona Ana, Lincoln, Otero, Sierra, Socorro, Torrance

Communities

Alamogordo, Carrizozo, Cloudcroft, Tularosa

Tribal Nations

Mescalero Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	1%
High landslide incidence (> 15% of the area is involved in landsliding)	45	1%
High susceptibility to landsliding and low incidence	0	0%
Total	6589	98%

Watershed 13050003

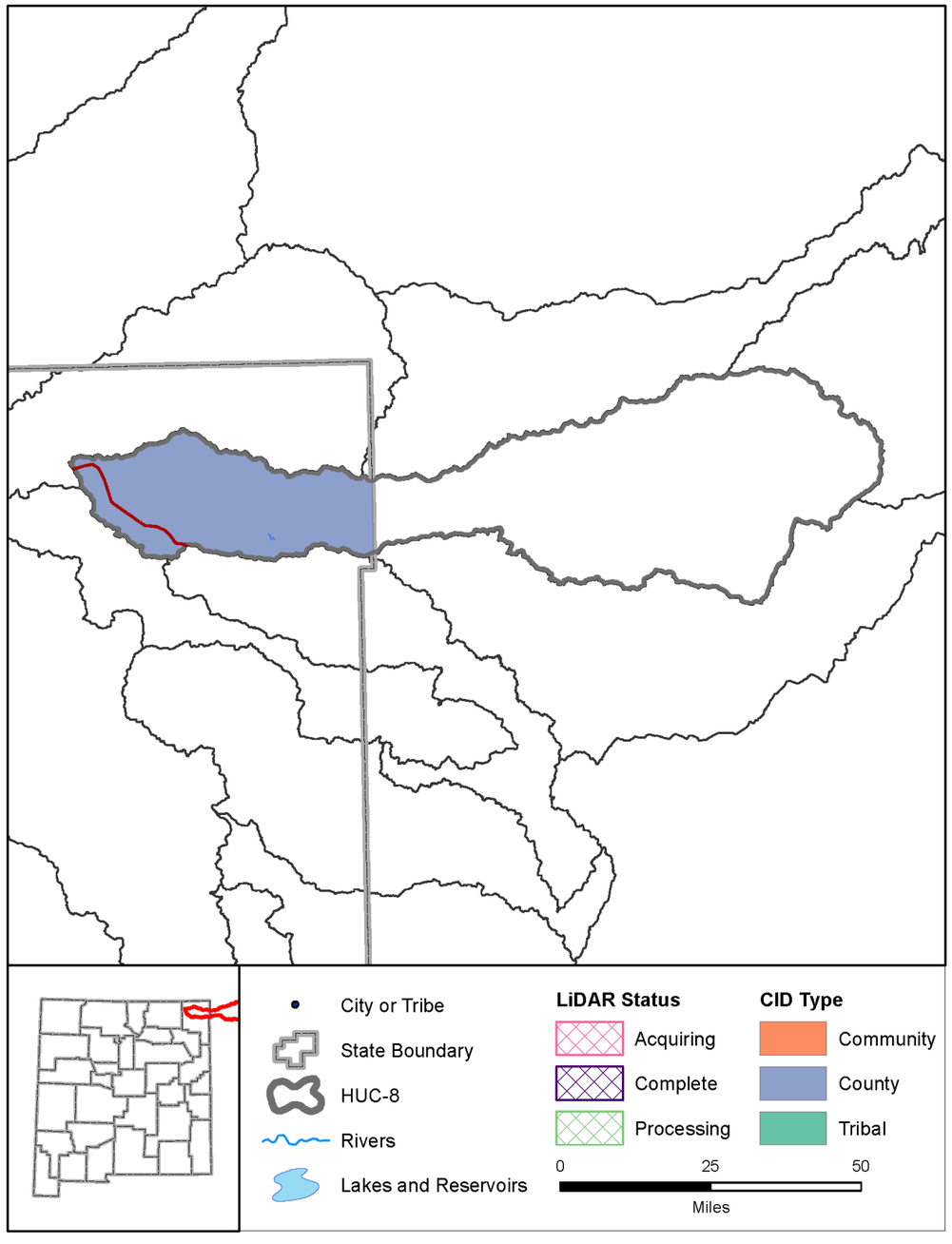
Rockfalls & Topples	252
Escarpments & Landslide Scarps	453

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	2
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	201
Alluvial Fan < 1mile	136
Alluvial Fan >1 mile	73
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	11
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	4
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	24
>1 mile	2
Hummocky Topography	
<1 mile	30
>1 mile	15
Complex Landslides	
Toreva Block	
<1 mile	4
>1 mile	3
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	26
>1 mile	7
Total	1246



Upper Beaver

Description

The Upper Beaver watershed is home to fewer than 400 people along the northeastern border of New Mexico. The watershed contains a portion of the Sierra Grande Mountains. The primary hydrographic features, within New Mexico, are Seneca Creek, Rafael Creek, and Corrumpa Creek. No FHBM or FIRM data is available for the watershed. No lidar data is available. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Oklahoma and Texas.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

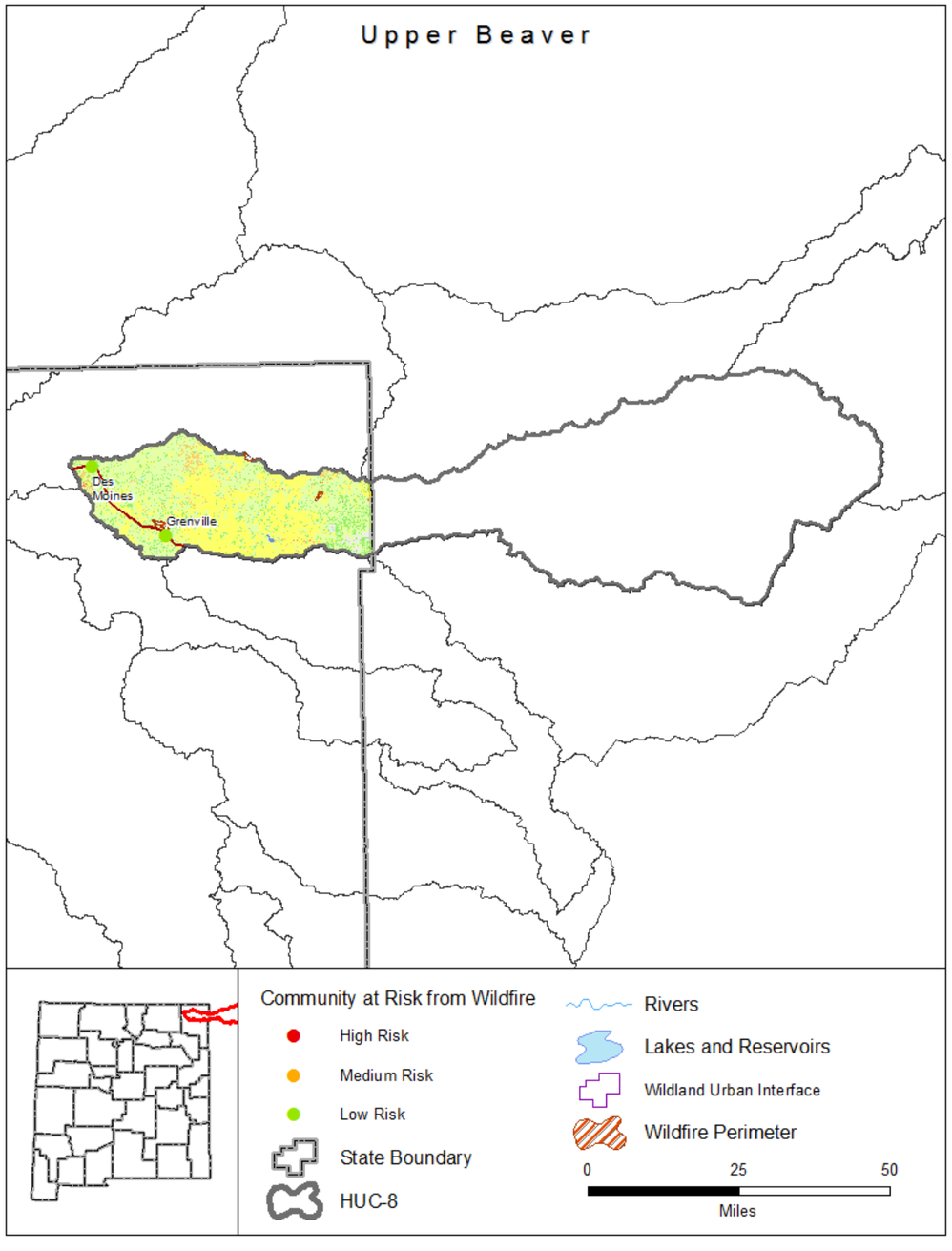
Watershed 11100101

Watershed Characteristics	
Area (sq mi)	2,733
Population in NM	328
CNMS Streams (mi)	0
Maximum Elevation (feet)	8,717
Minimum Elevation (feet)	4,631
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	2

Ownership	
Percent in New Mexico	27.48 %
Private	81.37 %
State	14.22 %
Tribal	0 %
Federal	4.39 %
States	NM, OK

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	0
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Beaver

Risk Rank: Medium

Description

The Upper Beaver watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 2,318 acres have burned during 3 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11100101

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	11%
Low	50%
Moderate	35%
High	3%
Very High	0%
Non-Burnable	1%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	3
Acres Burned 2006-2016	2,318

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.16%
	Acres
Interface	25
Intermix	785
WUI Addressed Structures	16

Communities at Risk from Wildland Fire

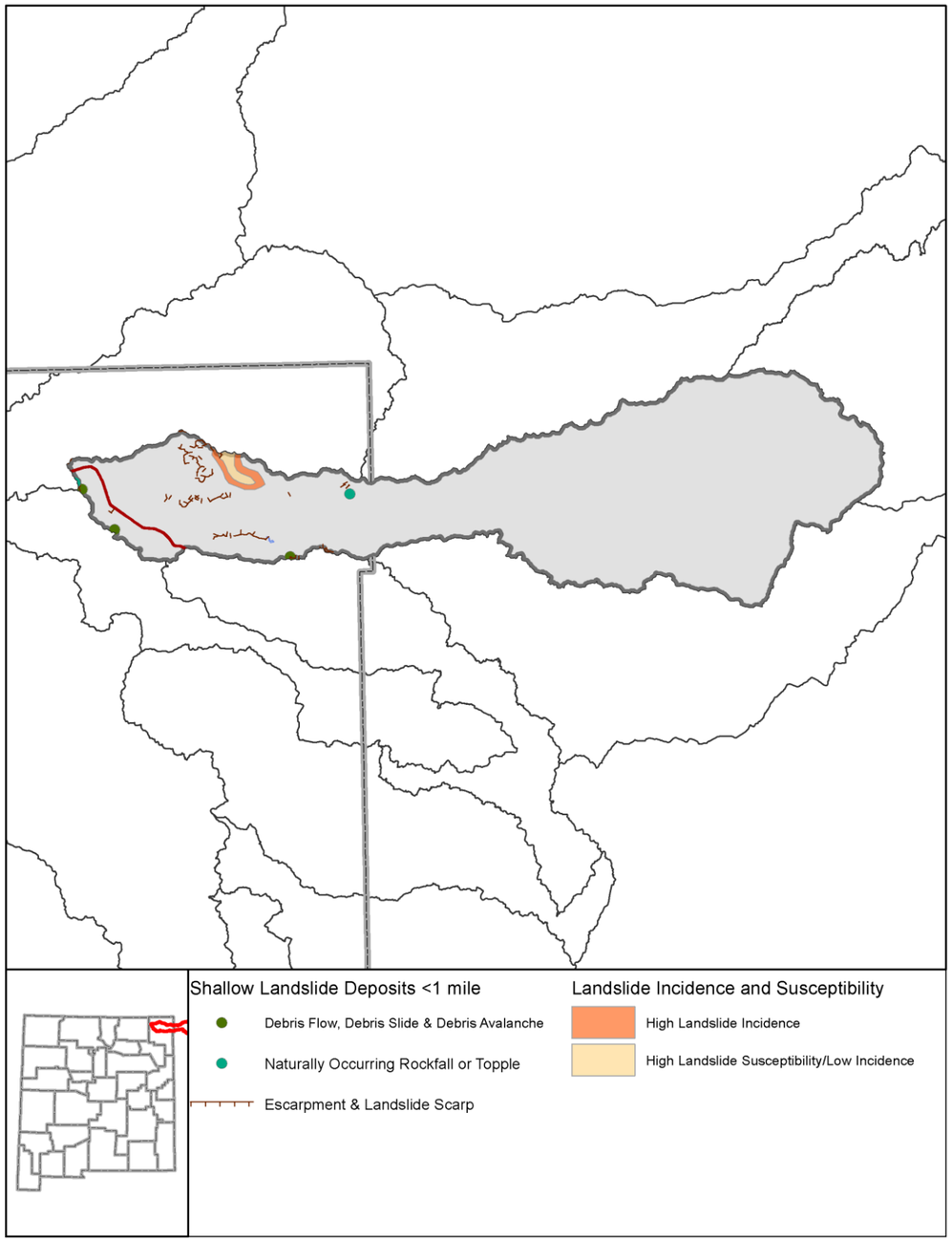
High Risk	0
Medium Risk	0
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Upper Beaver

Risk Rank: Low

Description

The Mancos watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

San Juan

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Ute Mountain Reservation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	56	7%
Total	58	7%

Watershed 11100101

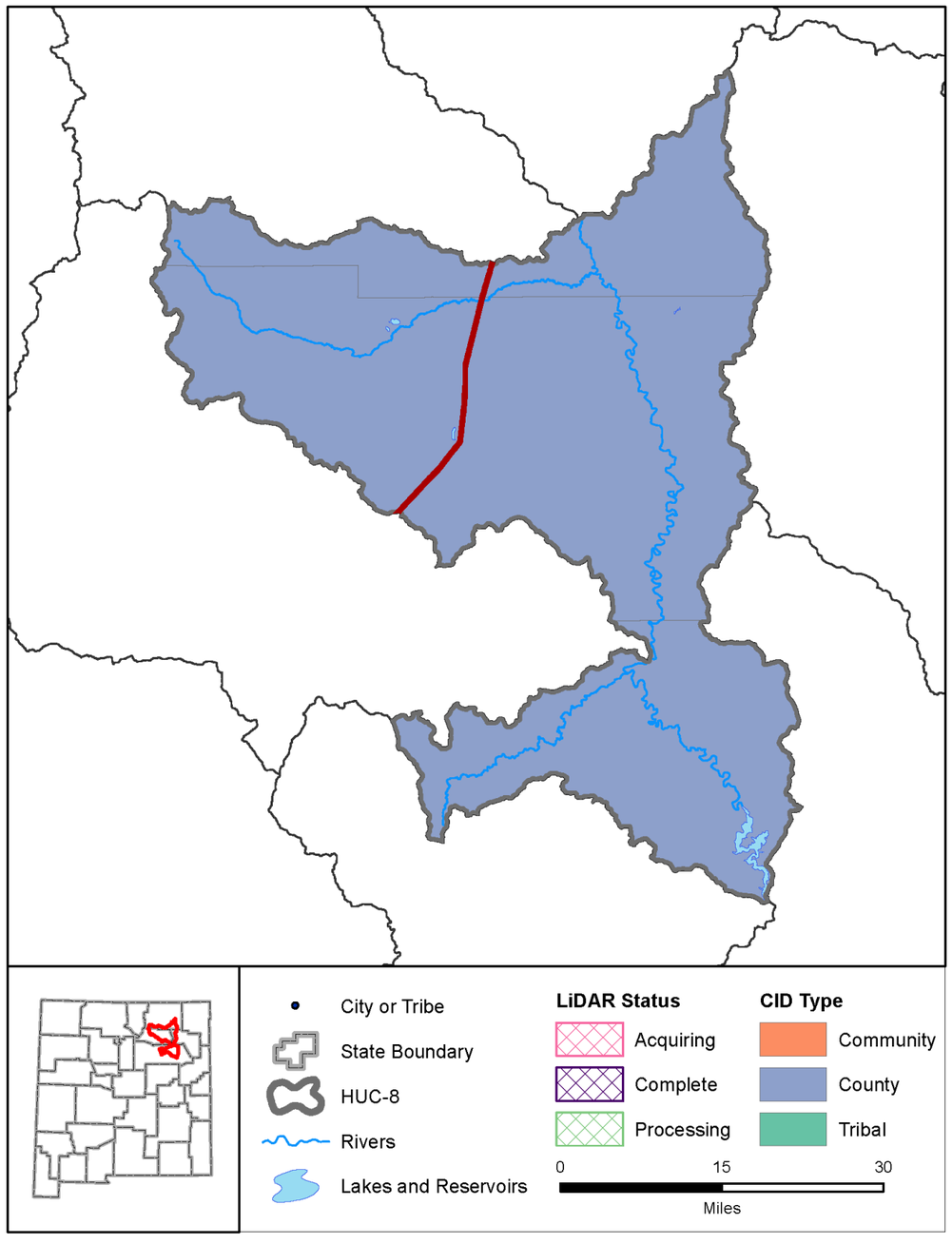
Rockfalls & Topples	16
Escarpments & Landslide Scarps	7

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	1
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	25



Upper Canadian

Description

The Upper Canadian watershed is home to approximately 1,400 people in north-central New Mexico. Topographcially, the Sangre De Cristo Mountain Range runs along the western side of the watershed and it also includes the Rincon and Turkey Mountains. The primary hydrologic features are the Canadian River and Red and Charette Lake. The watershed contains both FIRM and FHBM data. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Harding, Mora, San Miguel

Communities

Roy

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

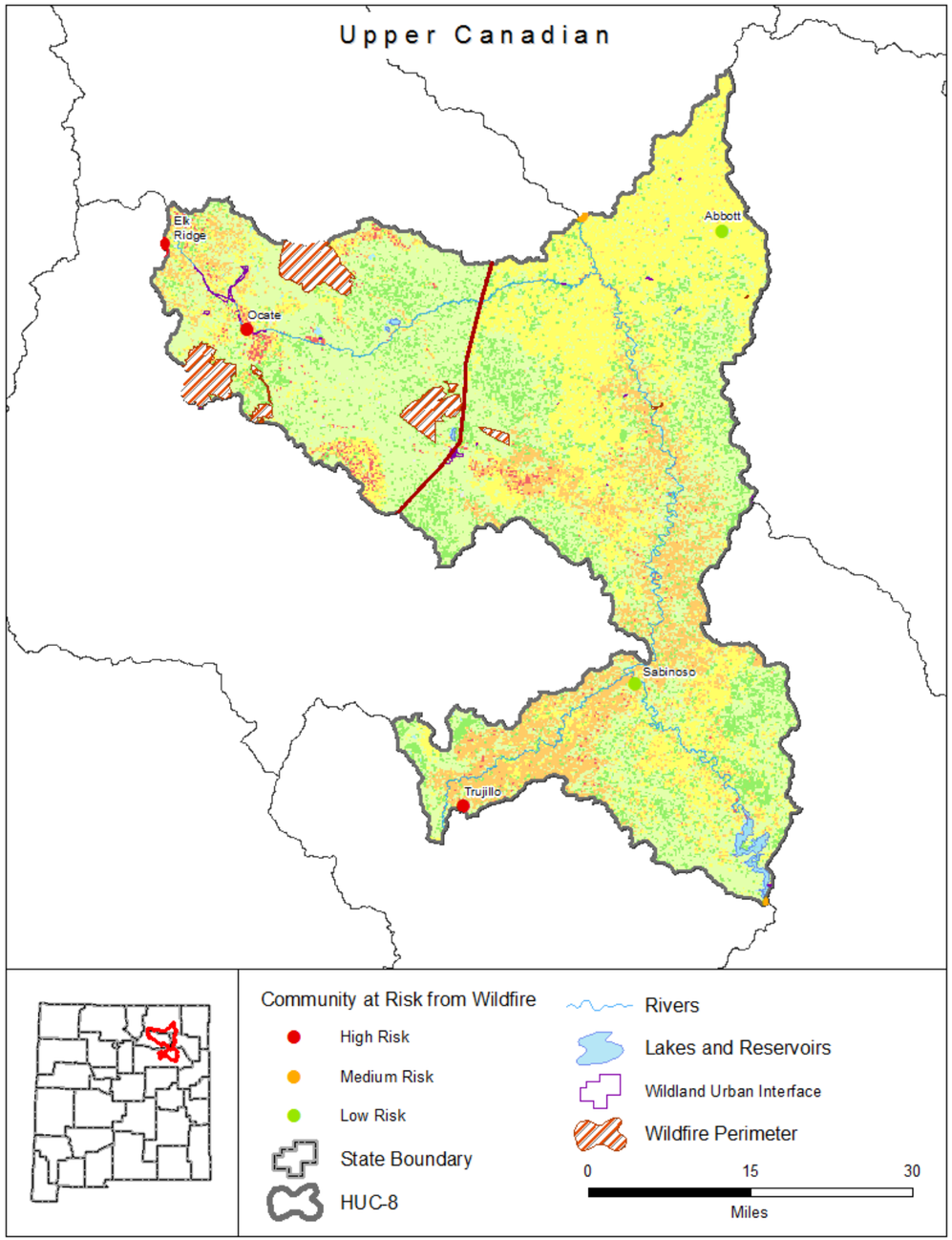
Watershed 11080003

Watershed Characteristics	
Area (sq mi)	2,053
Population in NM	1,379
CNMS Streams (mi)	675
Maximum Elevation (feet)	10,422
Minimum Elevation (feet)	4,178
High Hazard Potential Dams	1
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	4

Ownership	
Percent in New Mexico	100 %
Private	78.23 %
State	16.34 %
Tribal	0 %
Federal	5.43 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	5
NFIP Communities	3
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Canadian

Risk Rank: Medium

Description

The Upper Canadian watershed is at medium risk of wildfire. The communities of Elk Ridge, Ocate, and Trujillo were identified as high risk in the local Community Wildfire Protection Plan. A total of 39,792 acres have burned during 8 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Harding, Mora, San Miguel

Communities

Roy

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Elk Ridge, Ocate, Trujillo

Watershed 11080003

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	15%
Low	44%
Moderate	26%
High	13%
Very High	1%
Non-Burnable	1%
Water	1%

Watershed Characteristics

Wildfires 2006-2016	8
Acres Burned 2006-2016	39,792

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.11%
	Acres
Interface	126
Intermix	1,477
WUI Addressed Structures	40

Communities at Risk from Wildland Fire

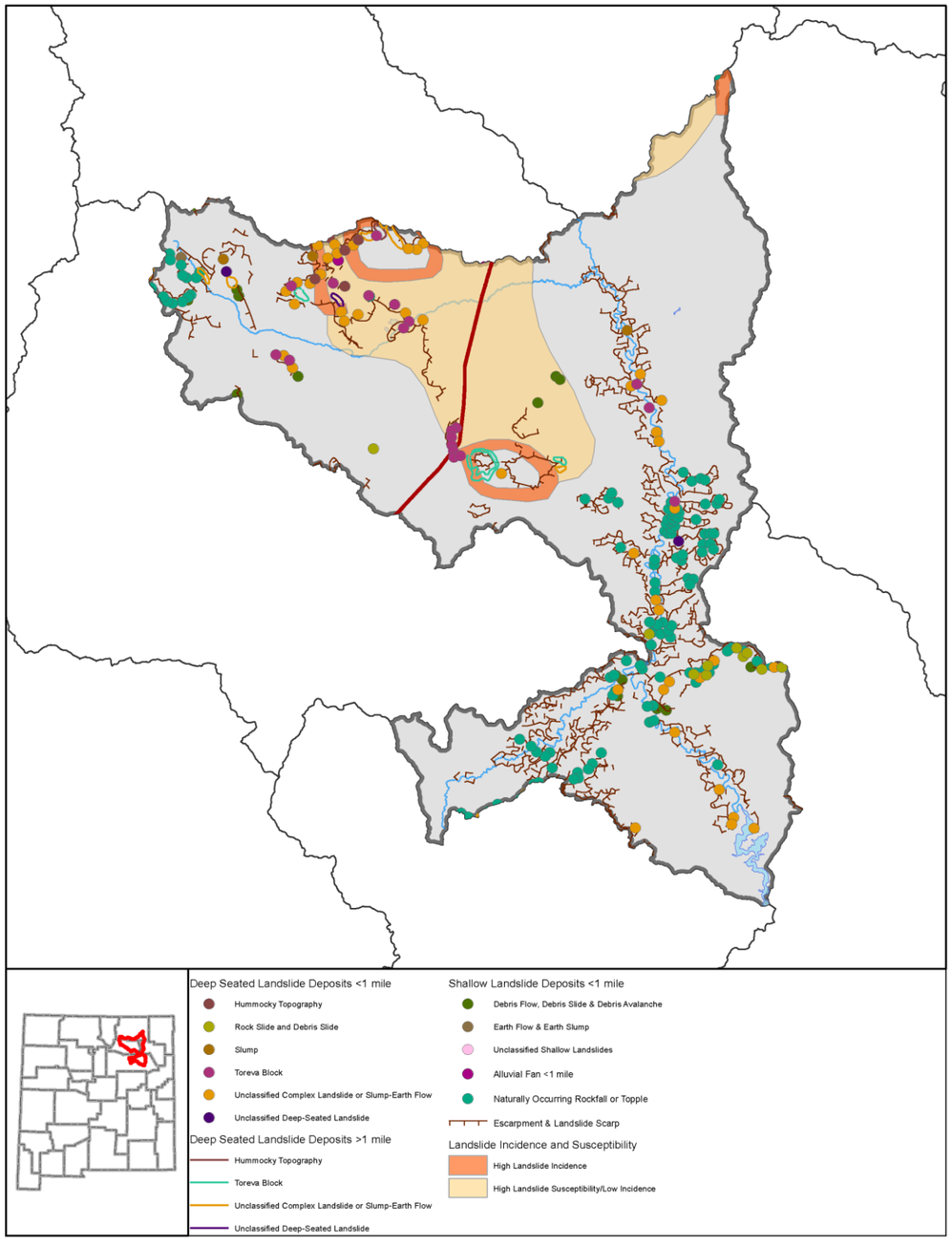
High Risk	3
Medium Risk	1
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	6
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	1,280



Upper Canadian

Risk Rank: Medium

Description

The Upper Canadian watershed is at medium risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Colfax, Harding, Mora, San Miguel

Communities

Roy

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	56	3%
High susceptibility to landsliding and low incidence	34	15%
Total	2053	100%

Watershed 11080003

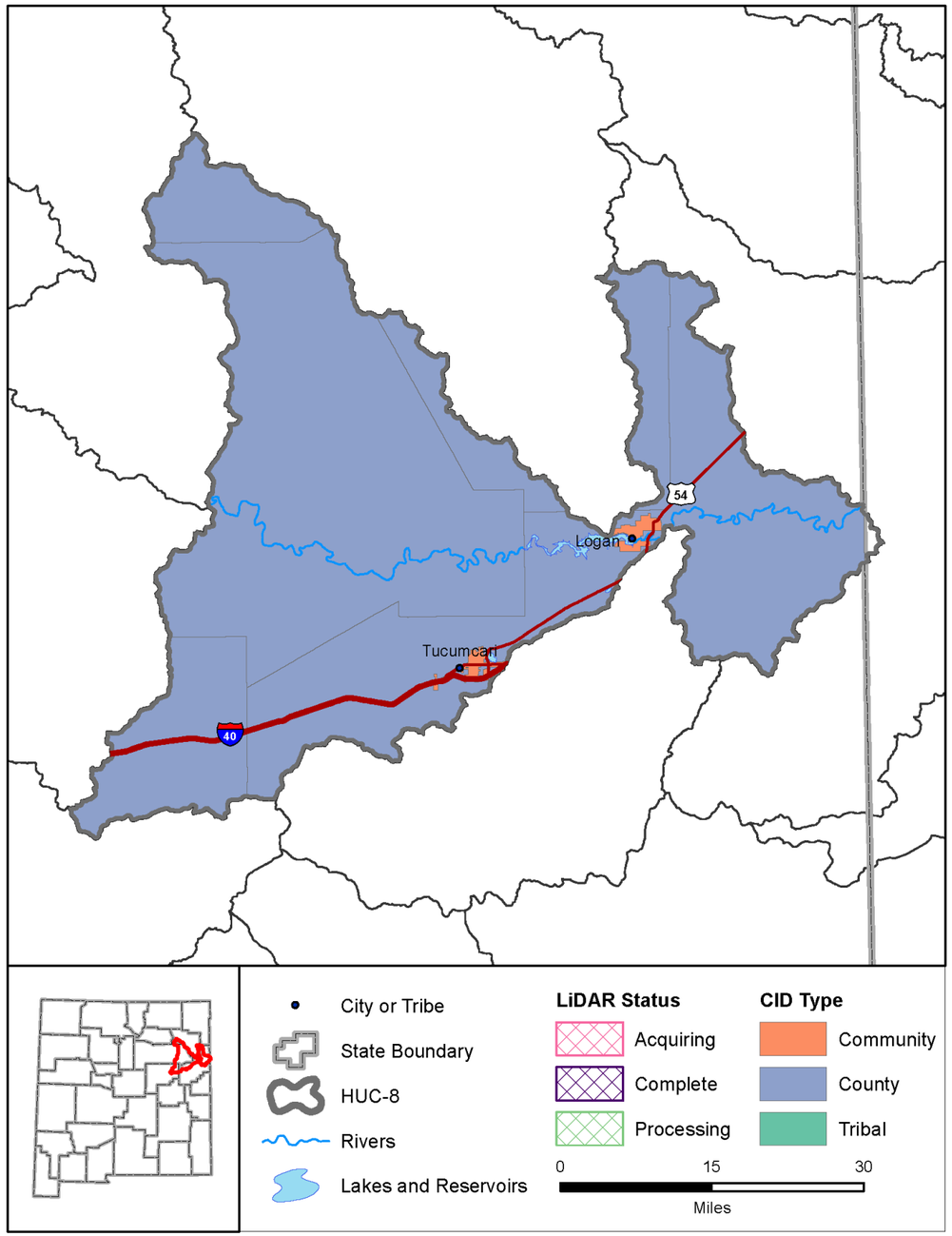
Rockfalls & Topples	110
Escarpments & Landslide Scarps	135

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	14
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	1

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	3
Rock Slump, Debris Slum & Earth Slump > 1 mile	2
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	10
Rock Slide & Debris Slide >1 mile	1
Unclassified Deep-Seated landslide	
<1 mile	2
>1 mile	1
Hummocky Topography	
<1 mile	4
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	19
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	42
>1 mile	4
Total	351



Upper Canadian-Ute Reservoir

Description

The Upper Canadian-Ute Reservoir watershed is home to approximately 7,000 people in northeastern New Mexico. Topographically, this area contains Kansas Valley, Don Carlos Hill, Chico Hills, and multiple mesas and valleys. The primary hydrographic features are the Canadian River and the Ute Reservoir. There is extensive FIRM data within San Miguel County but none in Quay. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Guadalupe, Harding, Quay, San Miguel

Communities

Logan, Roy, Tucumcari

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

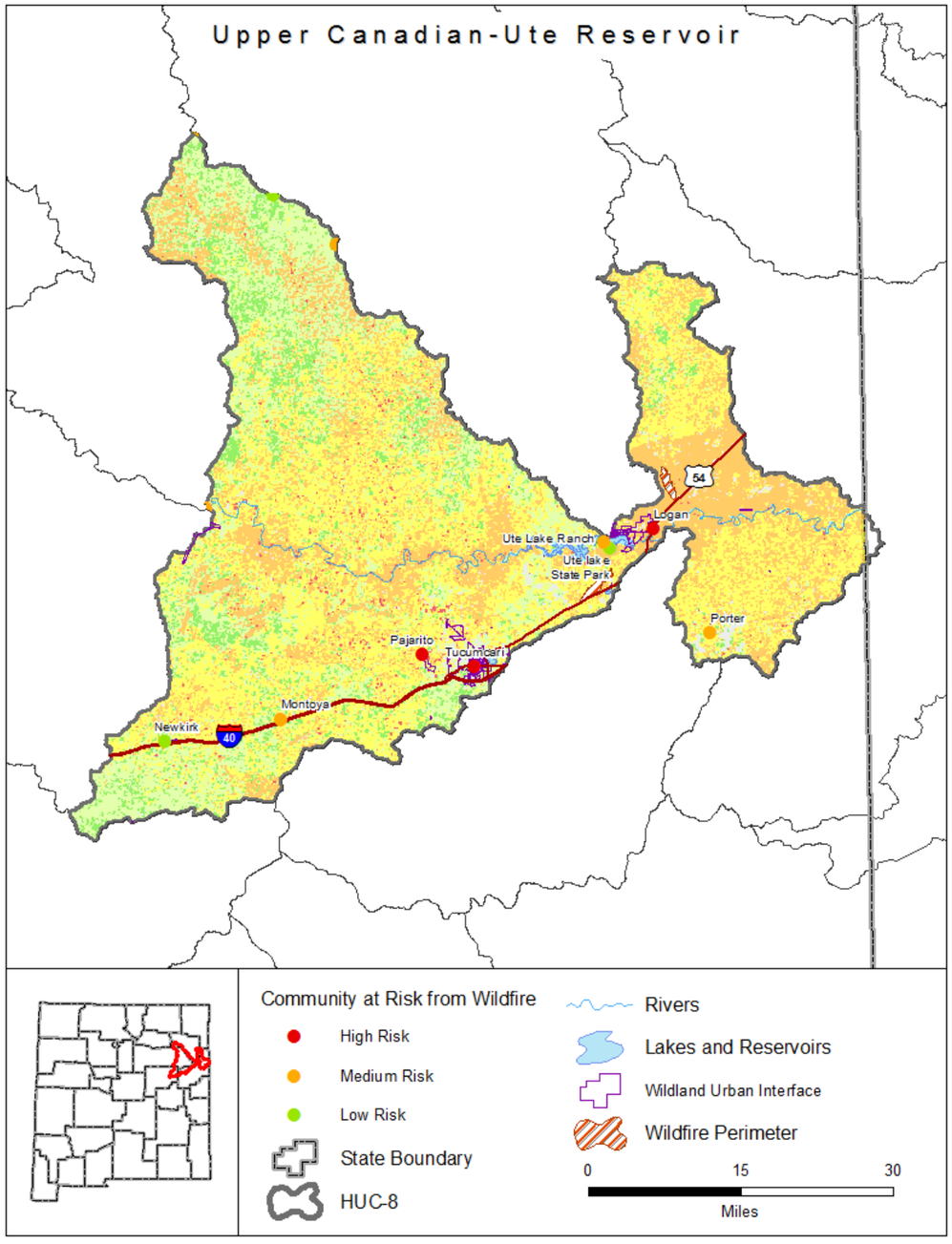
Watershed 11080006

Watershed Characteristics	
Area (sq mi)	2,237
Population in NM	7,175
CNMS Streams (mi)	400
Maximum Elevation (feet)	6,038
Minimum Elevation (feet)	3,496
High Hazard Potential Dams	2
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	3

Ownership	
Percent in New Mexico	99.75 %
Private	87.56 %
State	12.01 %
Tribal	0 %
Federal	0.44 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	7
NFIP Communities	4
NFIP Policies	5
Policies within the SFHA	0
Policies outside of the SFHA	5
NFIP Premium Total	$ 2,785
NFIP Claims	9
Claims within the SFHA	0
Claims outside of the SFHA	9
Paid Claims	$ 12,314
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Canadian-Ute Reservoir

Risk Rank: High

Description

The Upper Canadian-Ute Reservoir watershed is at high risk of wildfire. The communities of Logan, Pajarito, and Tucumcari were identified as high risk in the local Community Wildfire Protection Plan. A total of 3,055 acres have burned during 2 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Guadalupe, Harding, Quay, San Miguel

Communities

Logan, Roy, Tucumcari

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Logan, Pajarito, Tucumcari

Watershed 11080006

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	9%
Low	22%
Moderate	38%
High	27%
Very High	1%
Non-Burnable	2%
Water	1%

Watershed Characteristics

Wildfires 2006-2016	2
Acres Burned 2006-2016	3,055

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.2%
Intermix	0.49%
	Acres
Interface	2,819
Intermix	7,030
WUI Addressed Structures	137

Communities at Risk from Wildland Fire

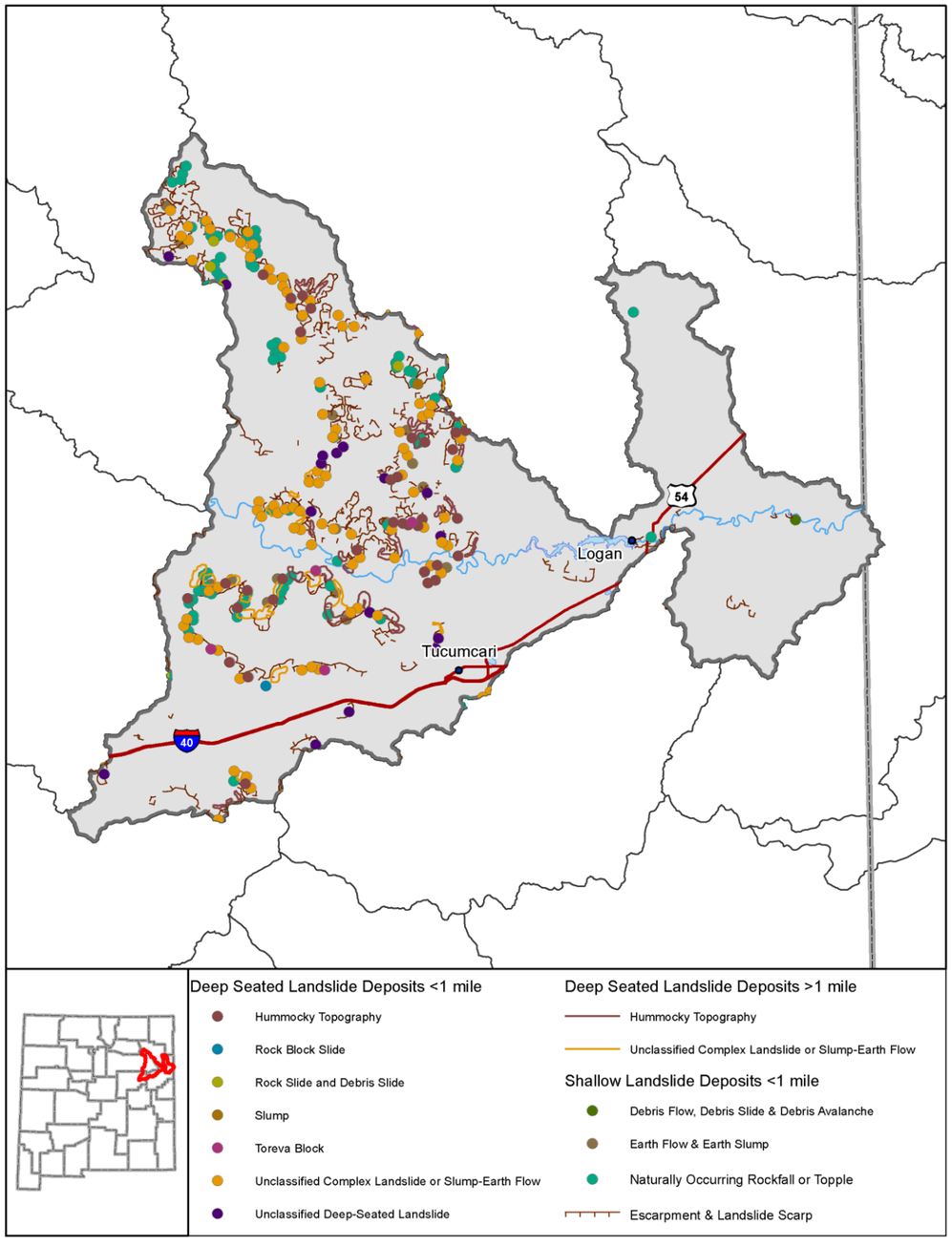
High Risk	3
Medium Risk	4
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Upper Canadian-Ute Reservoir

Risk Rank: Medium

Description

The Upper Canadian-Ute Reservoir watershed is at medium risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Guadalupe, Harding, Quay, San Miguel

Communities

Logan, Roy, Tucumcari

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2232	100%

Watershed 11080006

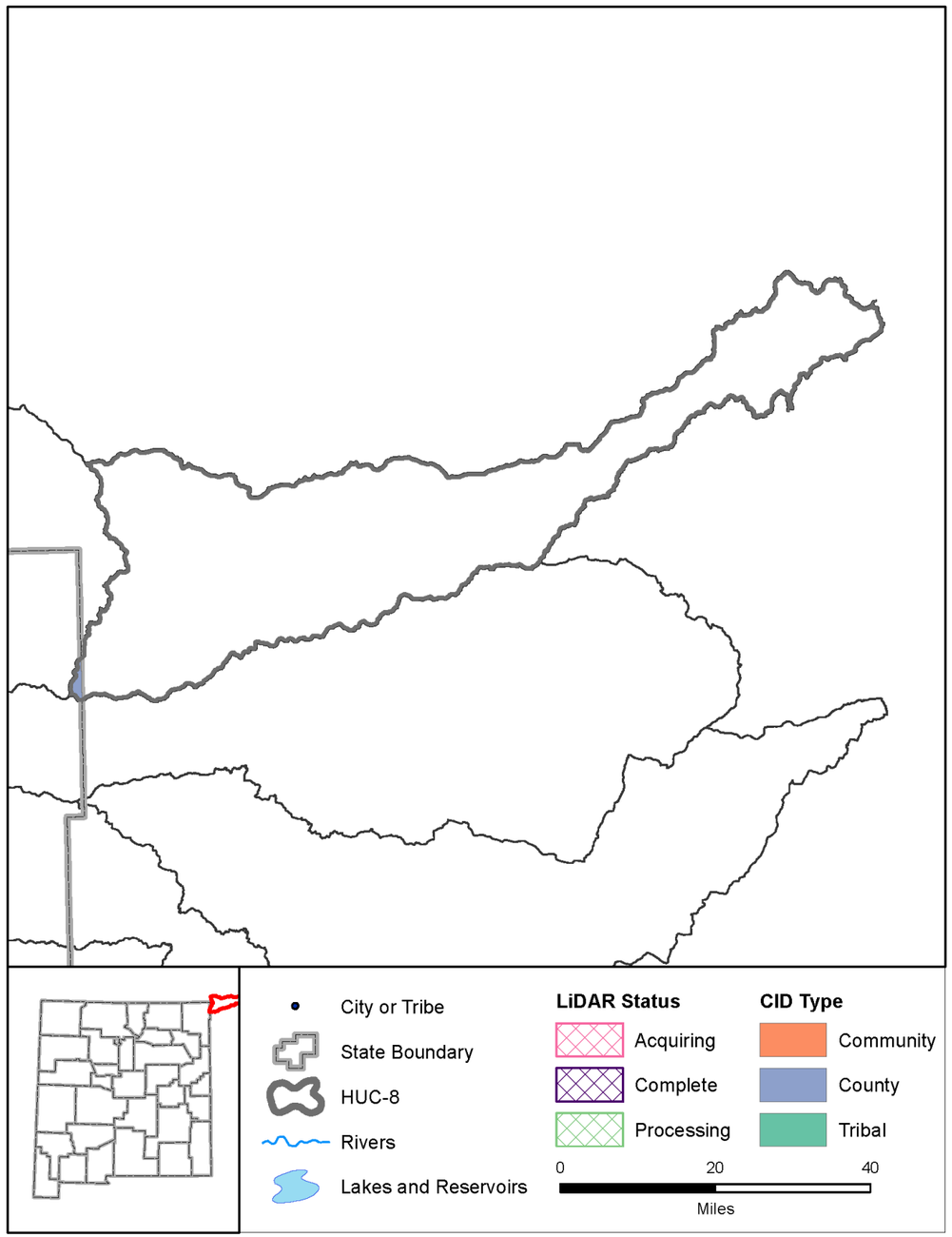
Rockfalls & Topples	82
Escarpments & Landslide Scarps	133

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	18
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	2
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	4
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	16
>1 mile	0
Hummocky Topography	
<1 mile	33
>1 mile	47
Complex Landslides	
Toreva Block	
<1 mile	4
>1 mile	4
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	88
>1 mile	34
Total	470



Upper Cimarron

Description

The Upper Cimarron watershed is almost entirely outside of New Mexico. As a result, the New Mexico portion of the watershed should be studied as part of joint Colorado, Oklahoma, and New Mexico project.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

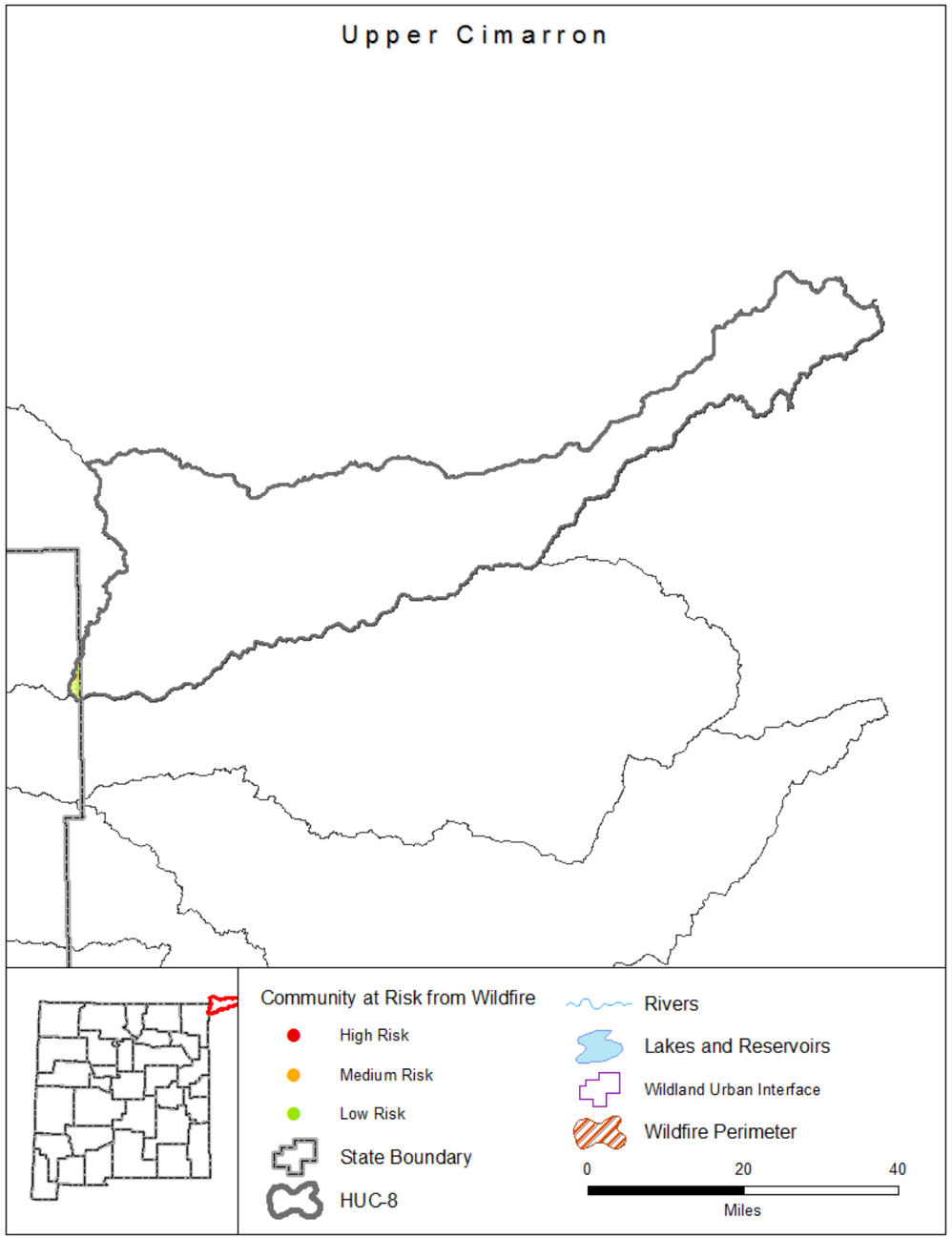
Watershed 11040002

Watershed Characteristics	
Area (sq mi)	1,651
Population in NM	32
CNMS Streams (mi)	0
Maximum Elevation (feet)	4,910
Minimum Elevation (feet)	4,706
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	0.37 %
Private	91.48 %
State	7.98 %
Tribal	0 %
Federal	0 %
States	CO, KS, OK, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	0
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Cimarron

Risk Rank: Low

Description

The Upper Cimarron watershed is almost entirely outside of New Mexico. It is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11040002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	16%
Low	38%
Moderate	41%
High	4%
Very High	0%
Non-Burnable	1%
Water	0%

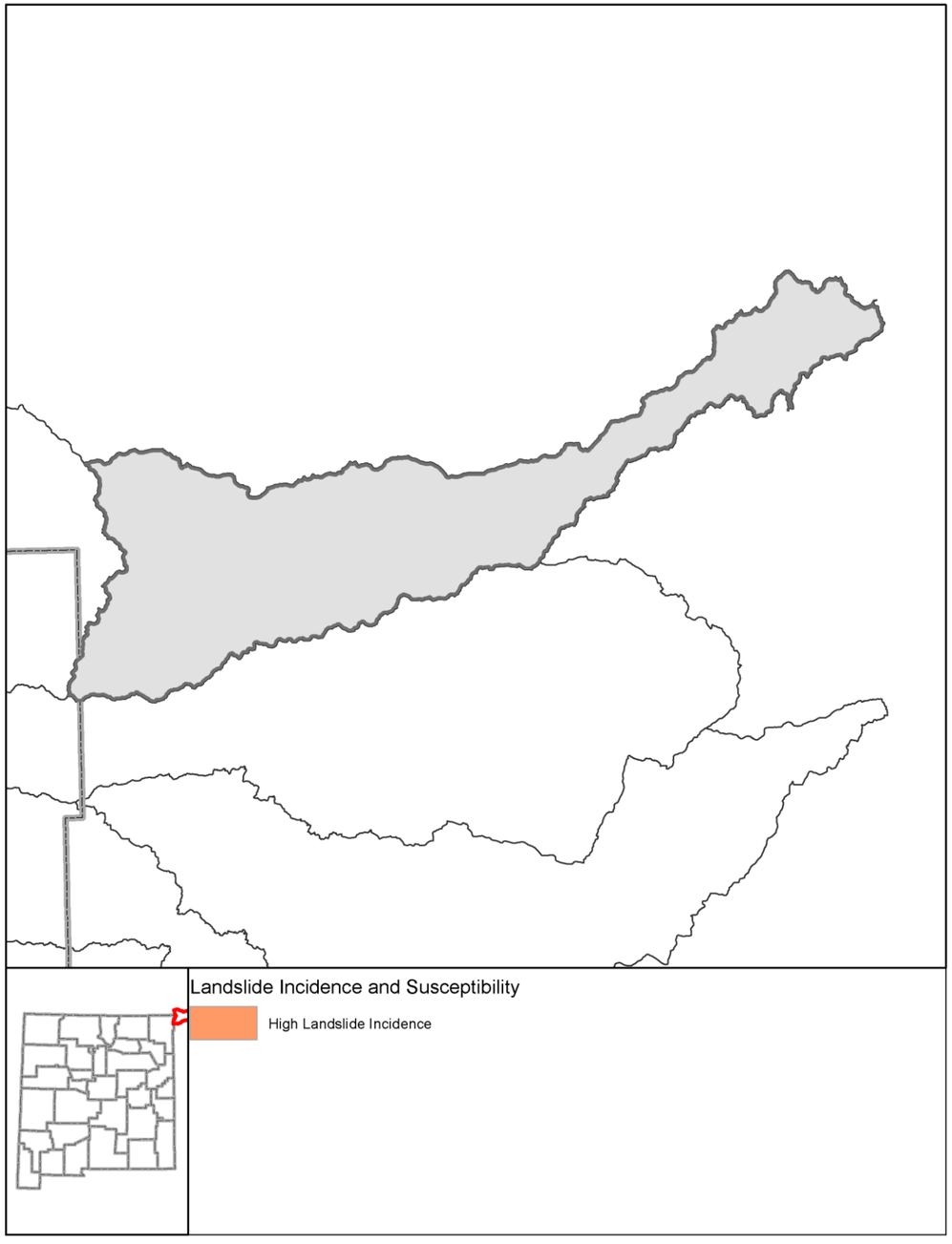
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Upper Cimarron

Risk Rank: Low

Description

The Upper Cimarron watershed is almost entirely outside of New Mexico. It is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Union

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	6	0%

Watershed 11040002

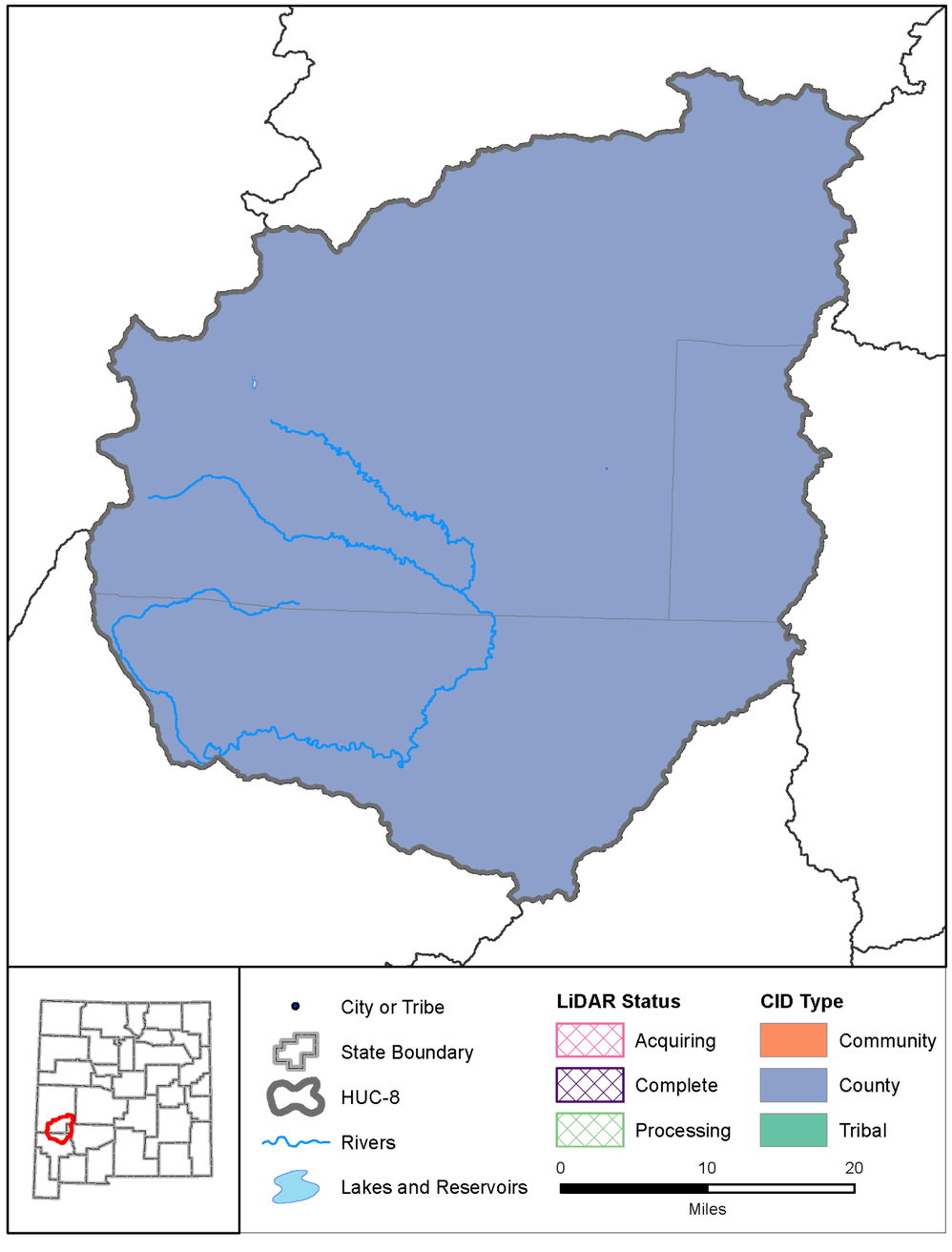
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	1
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	2
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	47
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	34
Total	85



Upper Gila

Description

The Upper Gila watershed is home to less than 2,000 people and is located in western New Mexico. The watershed is almost entirely federally owned and part of the Gila Wilderness. The Gila River is the primary hydrologic feature with smaller intermittent tributaries. There is little FIRM data within the watershed and no lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Grant, Sierra

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066350.pdf

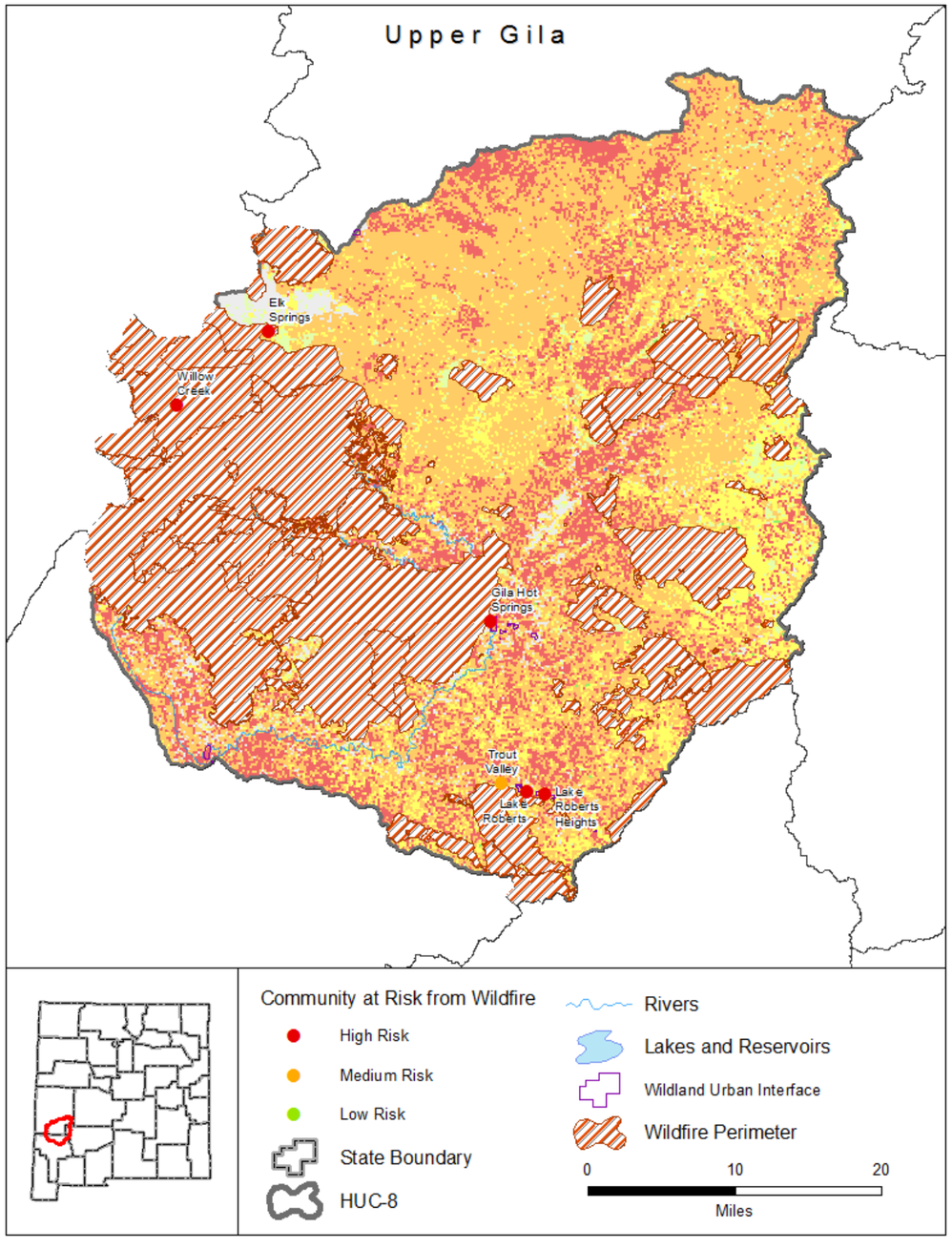
Watershed 15040001

Watershed Characteristics	
Area (sq mi)	1,985
Population in NM	1,679
CNMS Streams (mi)	44
Maximum Elevation (feet)	10,959
Minimum Elevation (feet)	4,631
High Hazard Potential Dams	1
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	2

Ownership	
Percent in New Mexico	100 %
Private	7.23 %
State	2.9 %
Tribal	0 %
Federal	89.87 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	3
Policies within the SFHA	0
Policies outside of the SFHA	3
NFIP Premium Total	$ 3,581
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Gila

Risk Rank: High

Description

The Upper Gila watershed is at high risk of wildfire. The communities of Elk Springs, Gila Hot Springs, Lake Roberts, Lake Roberts Heights, and Willow Creek were identified as high risk in the local Community Wildfire Protection Plan. A total of 165,007 acres have burned during 38 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards as part of the postwildfire study after the 2012 Whitewater-Baldy fire.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Grant, Sierra

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Matherne, A.M., and Verdin K.L., 2012, Estimated probability of postwildfire debris flows in the 2012 Whitewater–Baldy Fire burn area, southwestern New Mexico: U.S. Geological Survey Open-File Report 2012–1188, 11 p., 3 pls.

Communities at High Risk of Wildland Fire

Elk Springs, Gila Hot Springs, Lake Roberts, Lake Roberts Heights, Willow Creek

Watershed 15040001

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	0%
Low	4%
Moderate	19%
High	53%
Very High	21%
Non-Burnable	3%
Water	0%

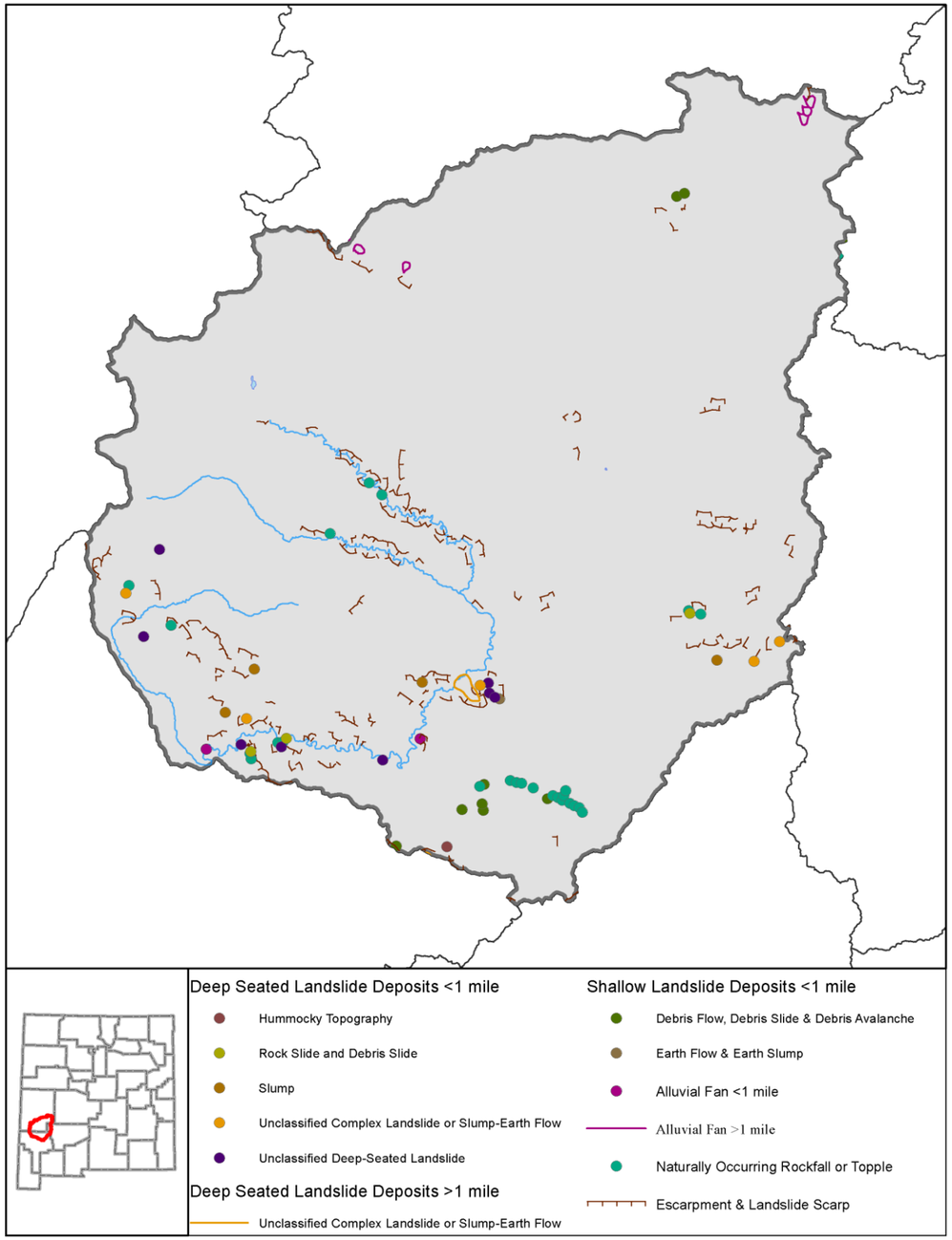
Watershed Characteristics	
Wildfires 2006-2016	289
Acres Burned 2006-2016	543,947

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0.08%
	Acres
Interface	0
Intermix	1,001
WUI Addressed Structures	33

Communities at Risk from Wildland Fire	
High Risk	5
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	32
Very High Priority	6

Vegetation Treatments 2006-2016	
Acres Treated	117,760



Upper Gila

Risk Rank: Low

Description

The Upper Gila watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron, Grant, Sierra

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1985	100%

Watershed 15040001

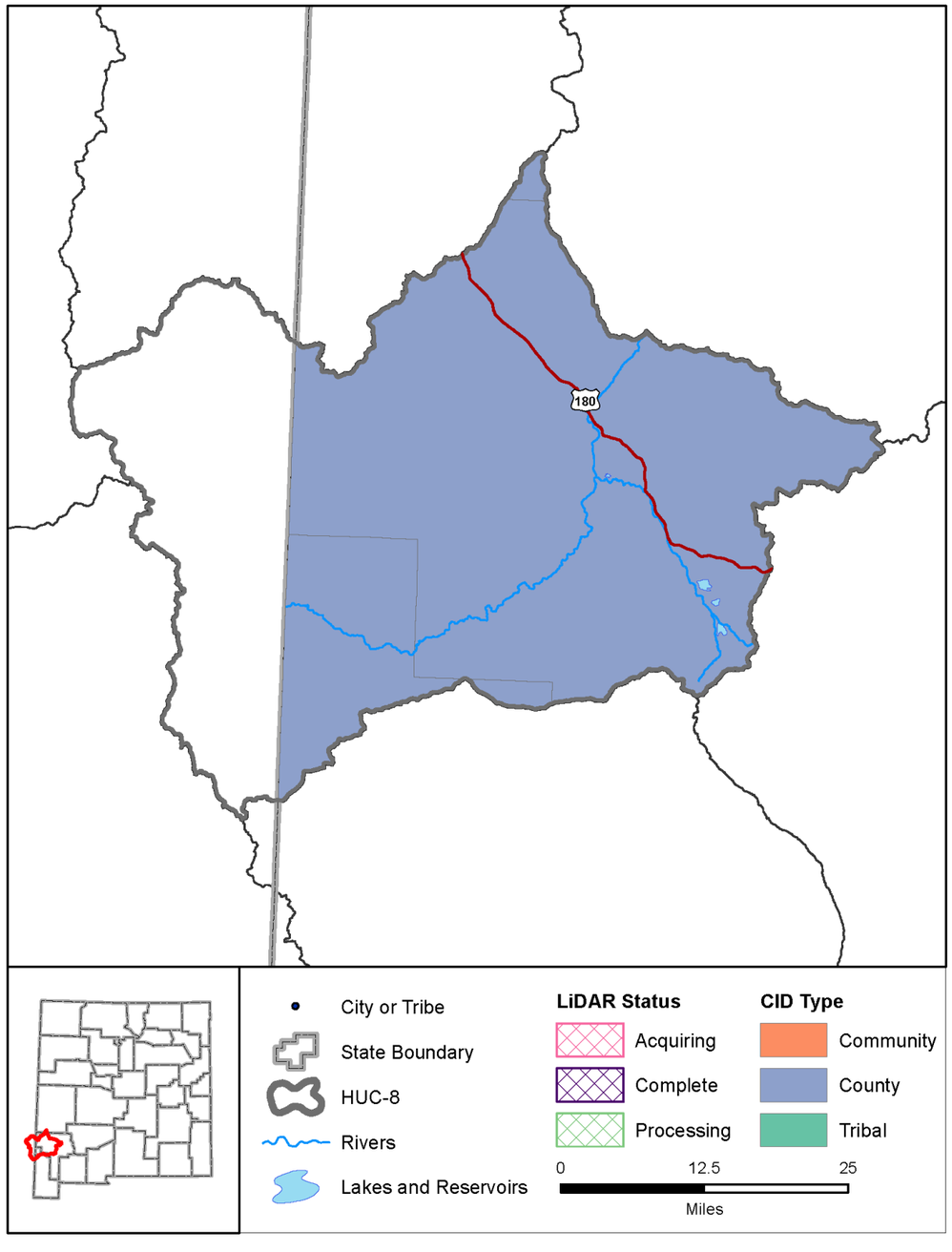
Rockfalls & Topples	25
Escarpments & Landslide Scarps	119

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	1
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	8
Alluvial Fan < 1mile	2
Alluvial Fan >1 mile	10
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	4
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	3
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	8
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	5
>1 mile	1
Total	188



Upper Gila-Mangas

Description

The Upper Gila - Mangas watershed is home to approximately 4,000 people and is located in western New Mexico. Within New Mexico, the Gila River is the primary hydrologic feature with smaller intermittent tributaries. There is FIRM data within the watershed but there is no lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Grant, Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067642.pdf

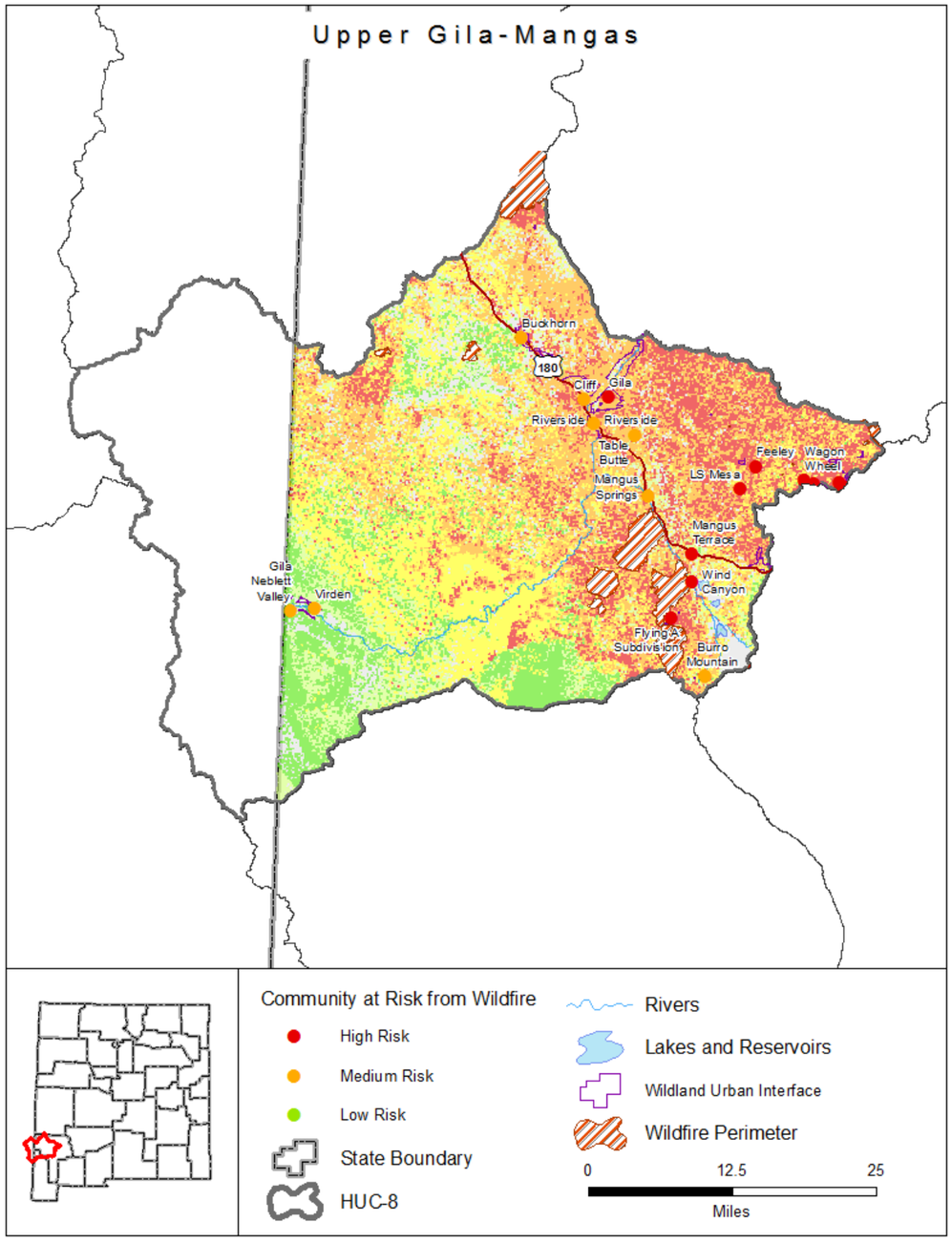
Watershed 15040002

Watershed Characteristics	
Area (sq mi)	2,053
Population in NM	4,005
CNMS Streams (mi)	399
Maximum Elevation (feet)	10,669
Minimum Elevation (feet)	3,704
High Hazard Potential Dams	11
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	9

Ownership	
Percent in New Mexico	73.93 %
Private	38.76 %
State	13.29 %
Tribal	0 %
Federal	47.95 %
States	NM, AZ

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	3
NFIP Communities	3
NFIP Policies	15
Policies within the SFHA	6
Policies outside of the SFHA	9
NFIP Premium Total	$ 8,007
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Gila-Mangas

Risk Rank: High

Description

The Upper Gila - Mangas watershed is at high risk of wildfire. The communities of Feeley, Flying A Subdivision, Gila, LS Mesa, Mangus Terrace, Owens, Pinos Altos, Pinos Altos Mountain Estates, Wagon Wheel, and Wind Canyon were identified as high risk in the local Community Wildfire Protection Plan. A total of 33,177 acres have burned during 26 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards as part of the postwildfire study after the 2012 Whitewater-Baldy fire.

Lidar Data Availability

No significant lidar available.

Counties

Catron, Grant, Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

Tillery, A.C., Matherne, A.M., and Verdin K.L., 2012, Estimated probability of postwildfire debris flows in the 2012 Whitewater–Baldy Fire burn area, southwestern New Mexico: U.S. Geological Survey Open-File Report 2012–1188, 11 p., 3 pls.

Communities at High Risk of Wildland Fire

Feeley, Flying A Subdivision, Gila, LS Mesa, Mangus Terrace, Owens, Pinos Altos, Pinos Altos Mountain Estates, Wagon Wheel, Wind Canyon

Watershed 15040002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	12%
Low	10%
Moderate	24%
High	28%
Very High	17%
Non-Burnable	9%
Water	0%

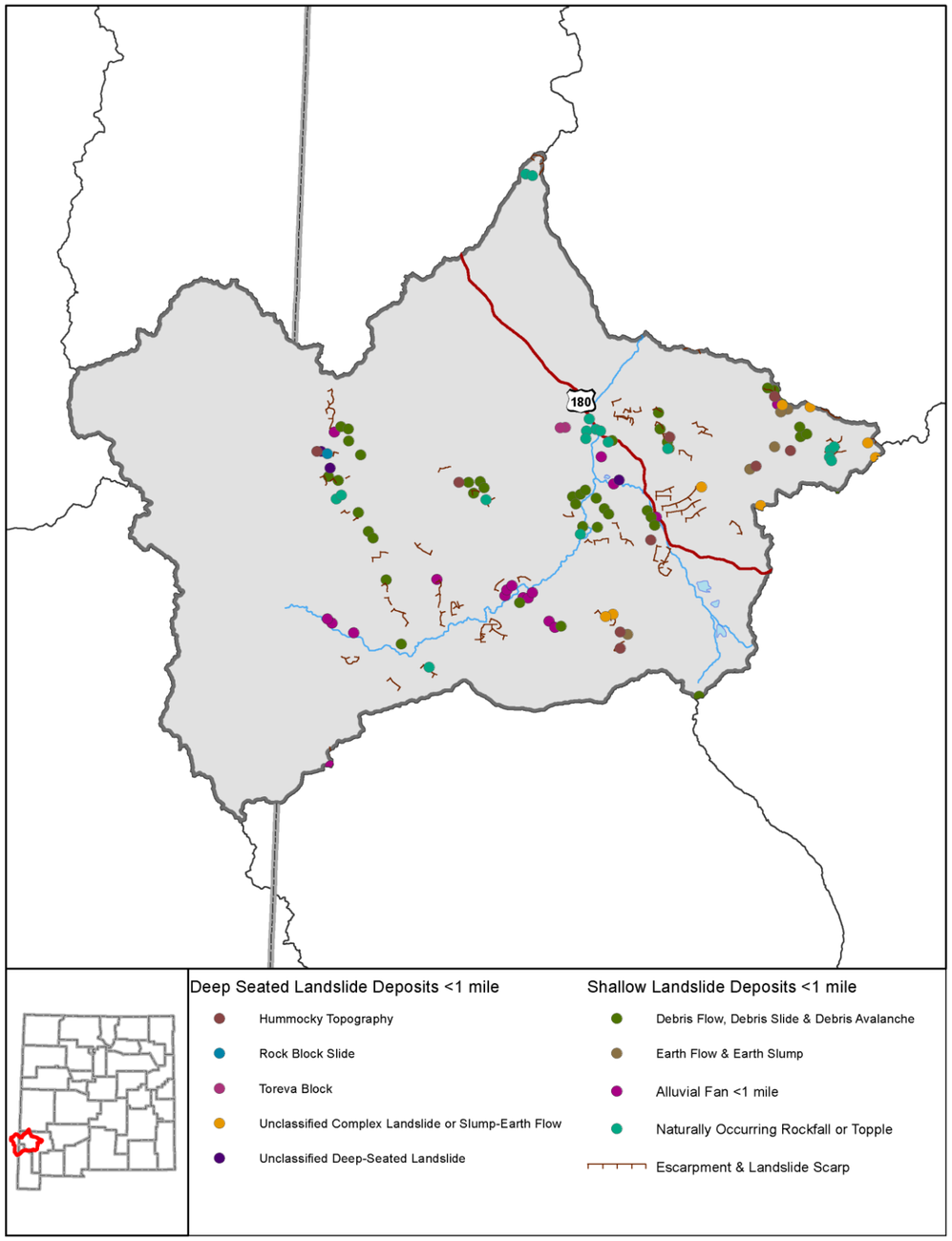
Watershed Characteristics	
Wildfires 2006-2016	26
Acres Burned 2006-2016	33,177

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.06%
Intermix	1.02%
	Acres
Interface	550
Intermix	9,924
WUI Addressed Structures	66

Communities at Risk from Wildland Fire	
High Risk	10
Medium Risk	9
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	7
Very High Priority	1

Vegetation Treatments 2006-2016	
Acres Treated	58,240



Upper Gila-Mangas

Risk Rank: Low

Description

The Upper Gila - Mangas watershed is a low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron, Grant, Hidalgo

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1518	74%

Watershed 15040002

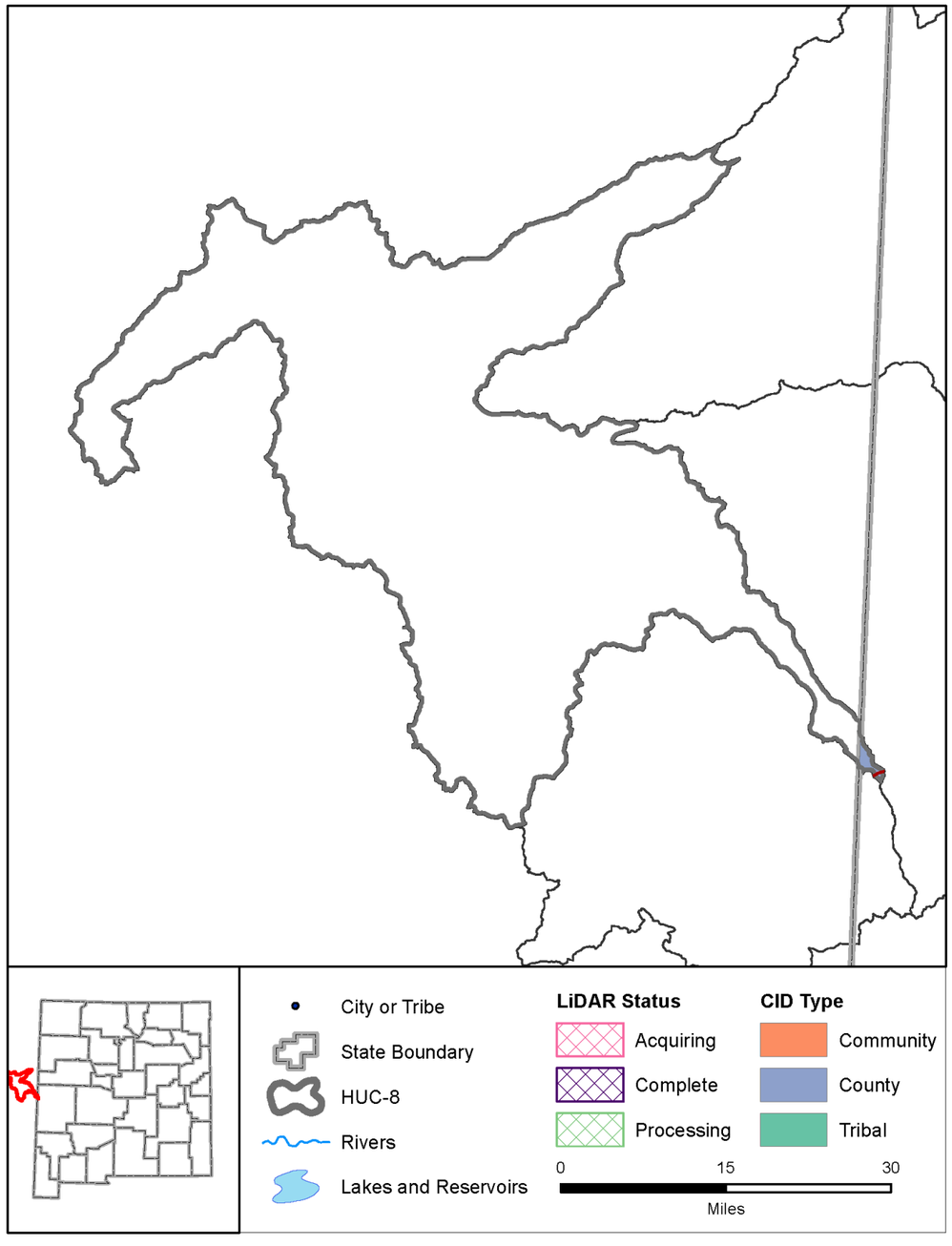
Rockfalls & Topples	18
Escarpments & Landslide Scarps	68

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	5
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	40
Alluvial Fan < 1mile	18
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	1
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	3
>1 mile	0
Hummocky Topography	
<1 mile	9
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	2
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	8
>1 mile	0
Total	172



Upper Little Colorado

Description

The Upper Little Colorado watershed is home to approximately 200 people in New Mexico and is located on the western border of the state. Less than 1% of the watershed is located in New Mexico. The Little Colorado River is the primary hydrologic feature with smaller intermittent tributaries. There is no FIRM or lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

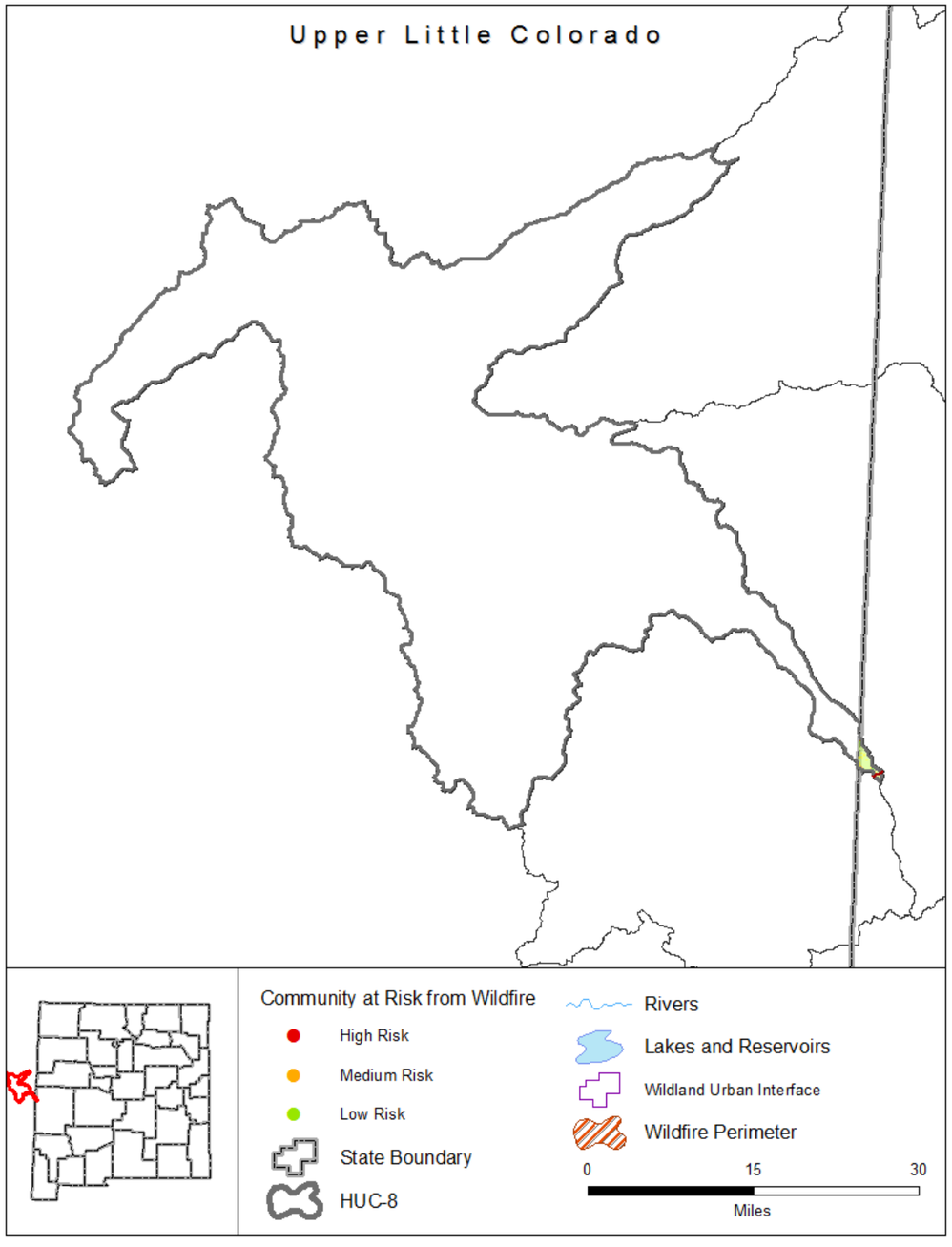
Watershed 15020002

Watershed Characteristics	
Area (sq mi)	1,628
Population in NM	206
CNMS Streams (mi)	0
Maximum Elevation (feet)	7,933
Minimum Elevation (feet)	7,357
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	0.26 %
Private	0.99 %
State	14.61 %
Tribal	0 %
Federal	84.05 %
States	AZ, NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	1
NFIP Communities	1
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Little Colorado

Risk Rank: Low

Description

The Upper Little Colorado is at low risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan.

Lidar Data Availability

No significant lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 15020002

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	3%
Low	78%
Moderate	13%
High	7%
Very High	0%
Non-Burnable	0%
Water	0%

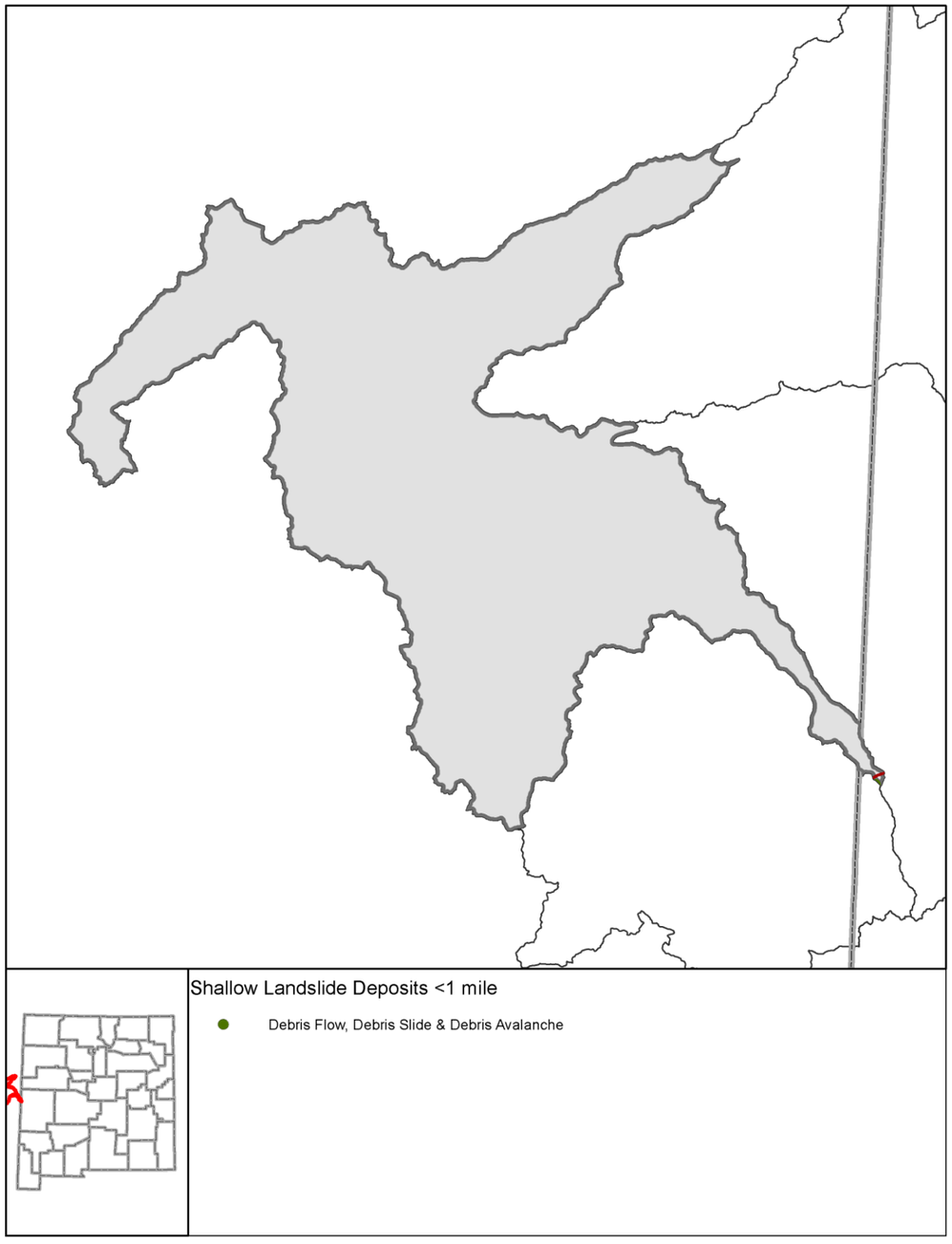
Watershed Characteristics	
Wildfires 2006-2016	0
Acres Burned 2006-2016	0

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0%
Intermix	0%
	Acres
Interface	0
Intermix	0
WUI Addressed Structures	0

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	0
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Upper Little Colorado

Risk Rank: None/Unknown

Description

The Upper Little Colorado is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Catron

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	4	0%

Watershed 15020002

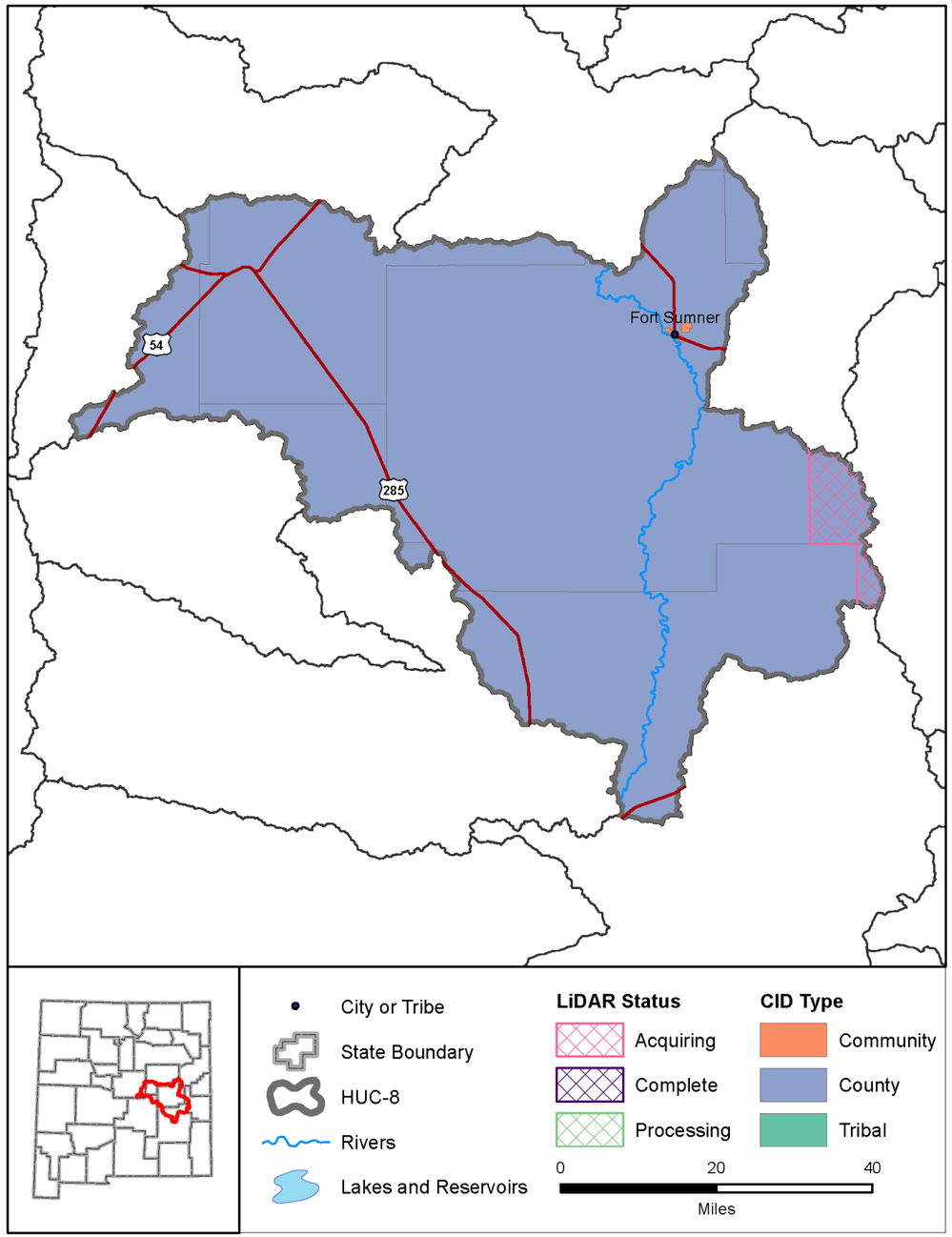
Rockfalls & Topples	0
Escarpments & Landslide Scarps	0

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	0



Upper Pecos

Description

The Upper Pecos watershed is home to approximately 4,000 people in the western portion of New Mexico. The Pecos River is the primary hydrologic feature with many smaller tributaries. There is FIRM data within Chaves County with very limited FHBM data within De Baca County. There will be lidar acquired for the southeastern part of the watershed in 2015. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small part of the southeastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, De Baca, Guadalupe, Lincoln, Quay, Roosevelt, Torrance

Communities

Fort Sumner

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_067317.pdf

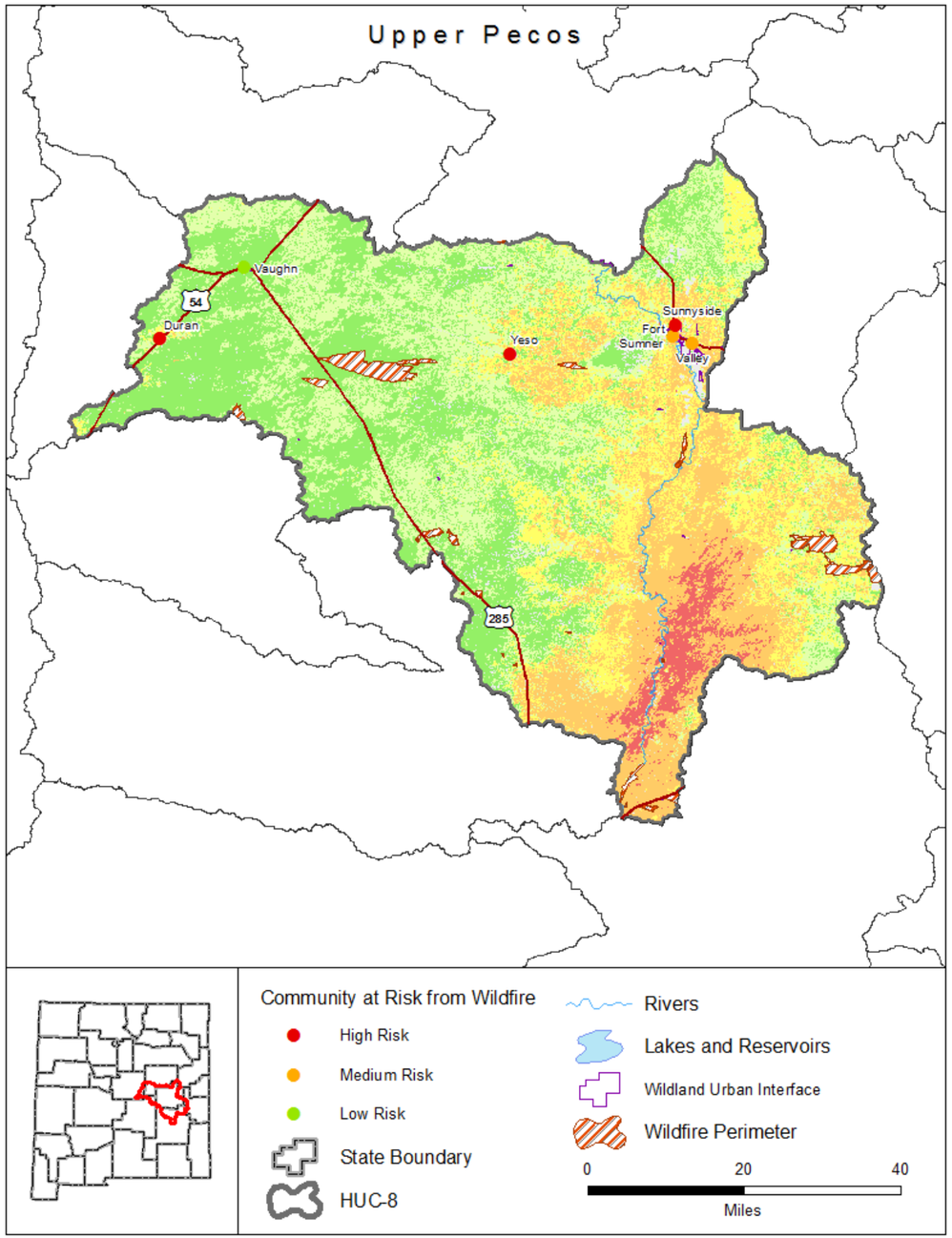
Watershed 13060003

Watershed Characteristics	
Area (sq mi)	4,205
Population in NM	3,095
CNMS Streams (mi)	212
Maximum Elevation (feet)	7,111
Minimum Elevation (feet)	3,523
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	77.05 %
State	14.71 %
Tribal	0 %
Federal	8.24 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	8
NFIP Communities	6
NFIP Policies	1
Policies within the SFHA	0
Policies outside of the SFHA	1
NFIP Premium Total	$ 1,055
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Pecos

Risk Rank: High

Description

The Upper Pecos watershed is at high risk of wildfire. The communities of Duran, Sunnyside, and Yeso were identified as high risk in the local Community Wildfire Protection Plan. A total of 37,773 acres have burned during 21 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small part of the southeastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, De Baca, Guadalupe, Lincoln, Quay, Roosevelt, Torrance

Communities

Fort Sumner

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Duran, Sunnyside, Yeso

Watershed 13060003

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	32%
Low	27%
Moderate	17%
High	19%
Very High	3%
Non-Burnable	2%
Water	0%

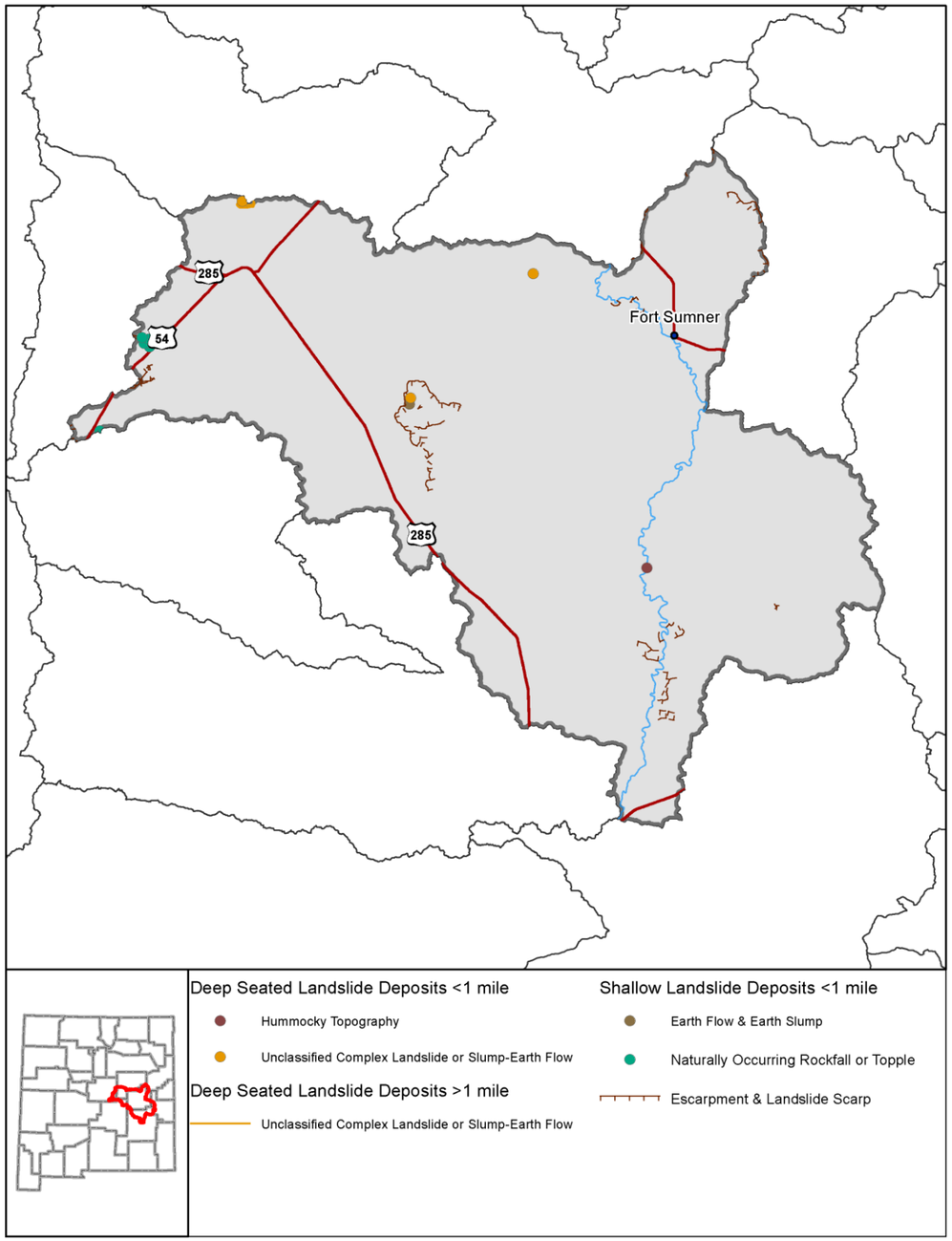
Watershed Characteristics	
Wildfires 2006-2016	21
Acres Burned 2006-2016	37,773

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.1%
Intermix	0.06%
	Acres
Interface	2,811
Intermix	1,616
WUI Addressed Structures	70

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	2
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	53,760



Upper Pecos

Risk Rank: Low

Description

The Pintada Arroyo watershed is at low risk of landslide processes.

Lidar Data Availability

USGS Quality Level 2 Lidar data was collected by Santa Fe that covers a small part of the north-western side of the watershed.

Counties

Guadalupe, San Miguel, Torrance

Communities

No communities within this watershed.

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1029	100%

Watershed 13060003

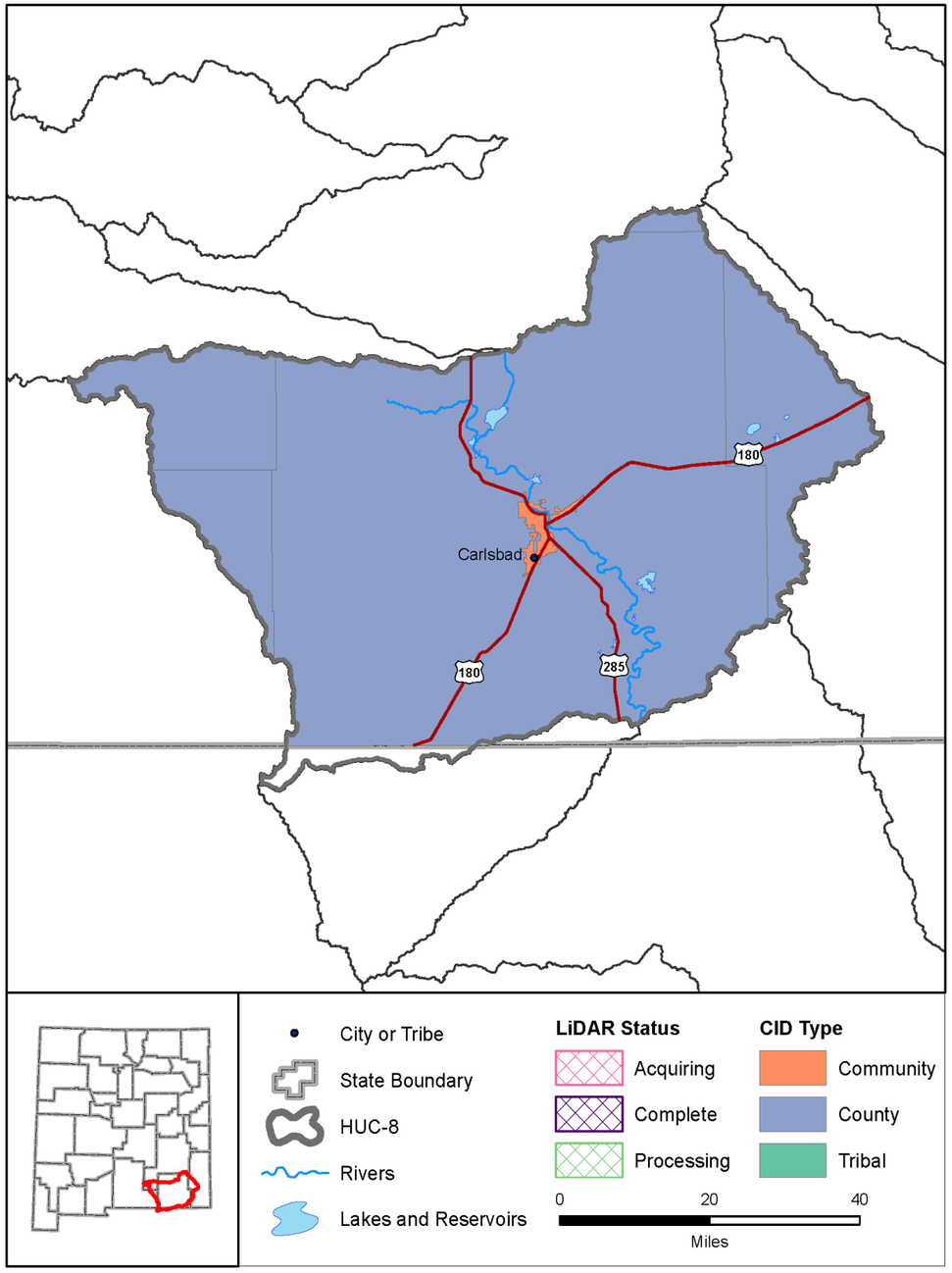
Rockfalls & Topples	0
Escarpments & Landslide Scarps	20

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	3
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	5
>1 mile	4
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	14
>1 mile	2
Total	51



Upper Pecos-Black

Description

The Upper Pecos - Black watershed is home to around 38,000 people in the southern portion of New Mexico. The watershed has significant topographic relief from the Guadalupe Mountains to the eastern plains. The Pecos River is the primary hydrologic feature with many smaller intermittent tributaries. FIRM data is extensive throughout the watershed, except for Lea County, but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lea, Otero

Communities

Carlsbad

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/wps/portal/nrcs/main/nm/technical/dma/rwa/RWAs/Upper%20Pecos-Black.pdf

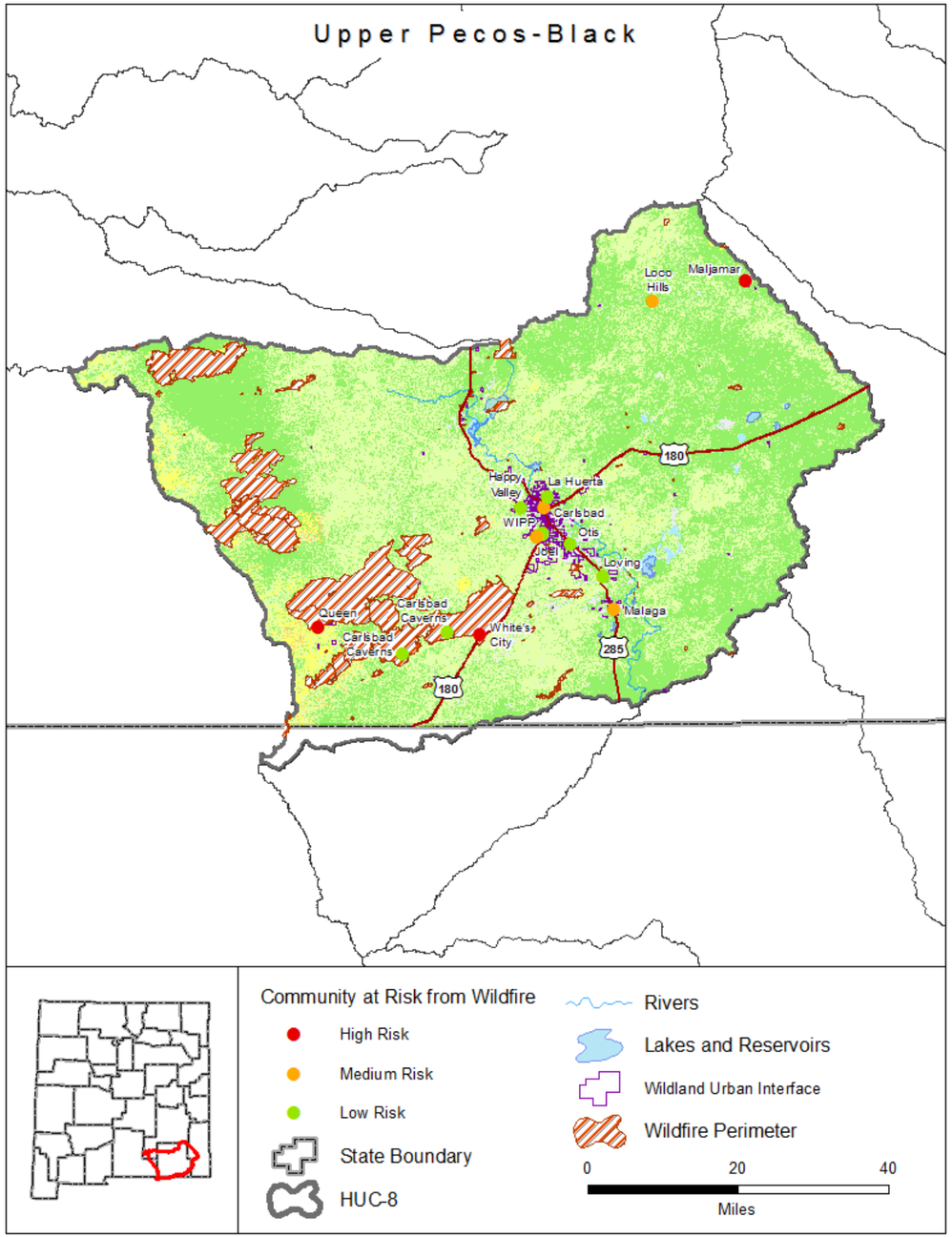
Watershed 13060011

Watershed Characteristics	
Area (sq mi)	4,380
Population in NM	38,402
CNMS Streams (mi)	1,243
Maximum Elevation (feet)	7,466
Minimum Elevation (feet)	2,833
High Hazard Potential Dams	4
Significant Hazard Potential Dams	3
Low Hazard Potential Dams	5

Ownership	
Percent in New Mexico	98.37 %
Private	16.84 %
State	16.29 %
Tribal	0 %
Federal	66.87 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	5
NFIP Policies	399
Policies within the SFHA	348
Policies outside of the SFHA	51
NFIP Premium Total	$ 406,829
NFIP Claims	34
Claims within the SFHA	25
Claims outside of the SFHA	9
Paid Claims	$ 291,718
Repetitive Loss Structures	4
Repetitive Loss Claims	8
Rep Loss Structures within SFHA	3
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 96,239



Upper Pecos-Black

Risk Rank: Medium

Description

The Upper Pecos - Black watershed is at medium risk of wildfire. The communities of Maljamar, Queen, and White's City were identified as high risk in the local Community Wildfire Protection Plan. A total of 276,347 acres have burned during 89 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Chaves, Eddy, Lea, Otero

Communities

Carlsbad

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Maljamar, Queen, White's City

Watershed 13060011

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	48%
Low	45%
Moderate	4%
High	0%
Very High	0%
Non-Burnable	3%
Water	0%

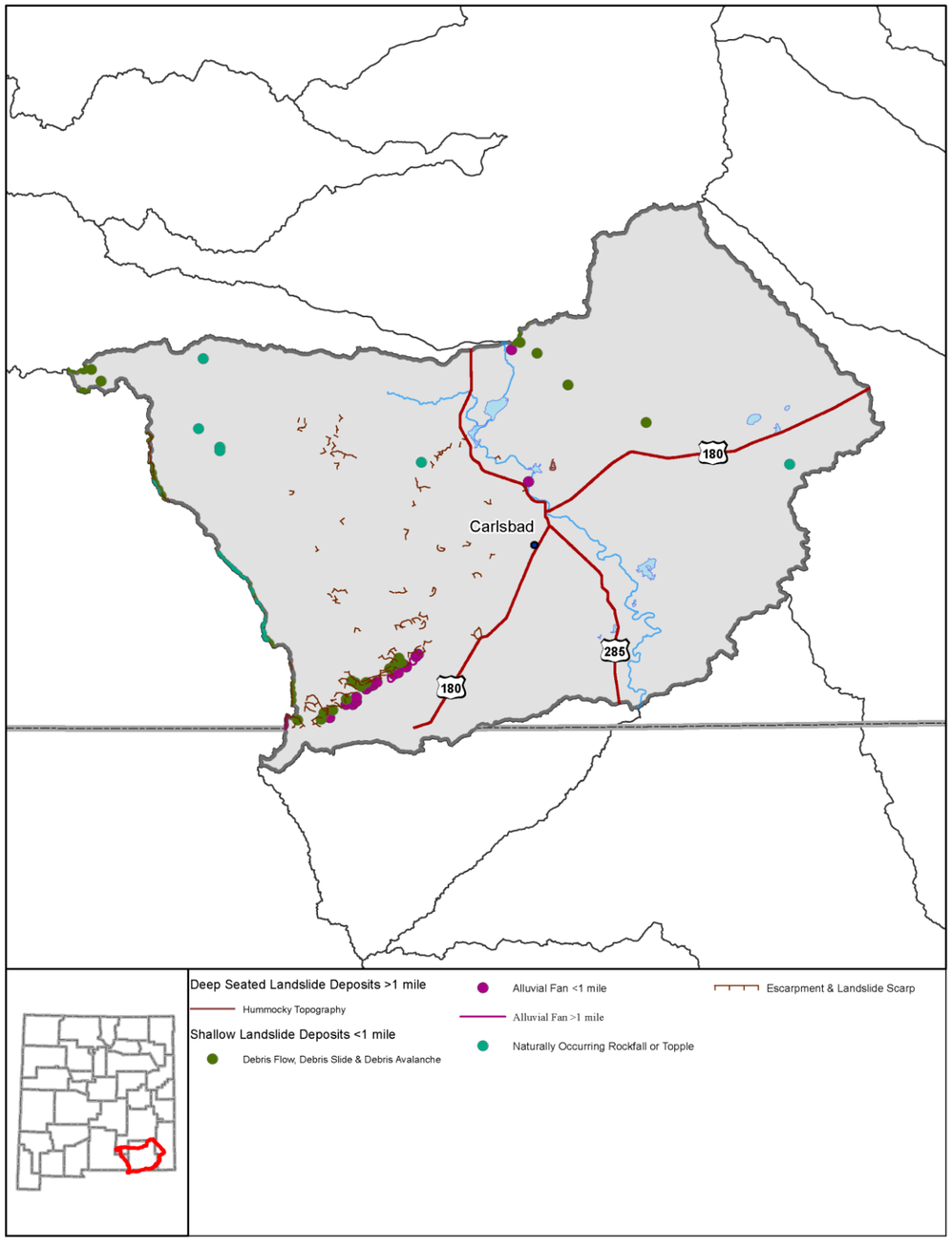
Watershed Characteristics	
Wildfires 2006-2016	89
Acres Burned 2006-2016	276,347

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.34%
Intermix	0.68%
	Acres
Interface	9,246
Intermix	18,816
WUI Addressed Structures	364

Communities at Risk from Wildland Fire	
High Risk	3
Medium Risk	4
Low Risk	8

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	2
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	486,400



Upper Pecos-Black

Risk Rank: Low

Description

The Upper Pecos - Black watershed is at low risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Chaves, Eddy, Lea, Otero

Communities

Carlsbad

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	4309	98%

Watershed 13060011

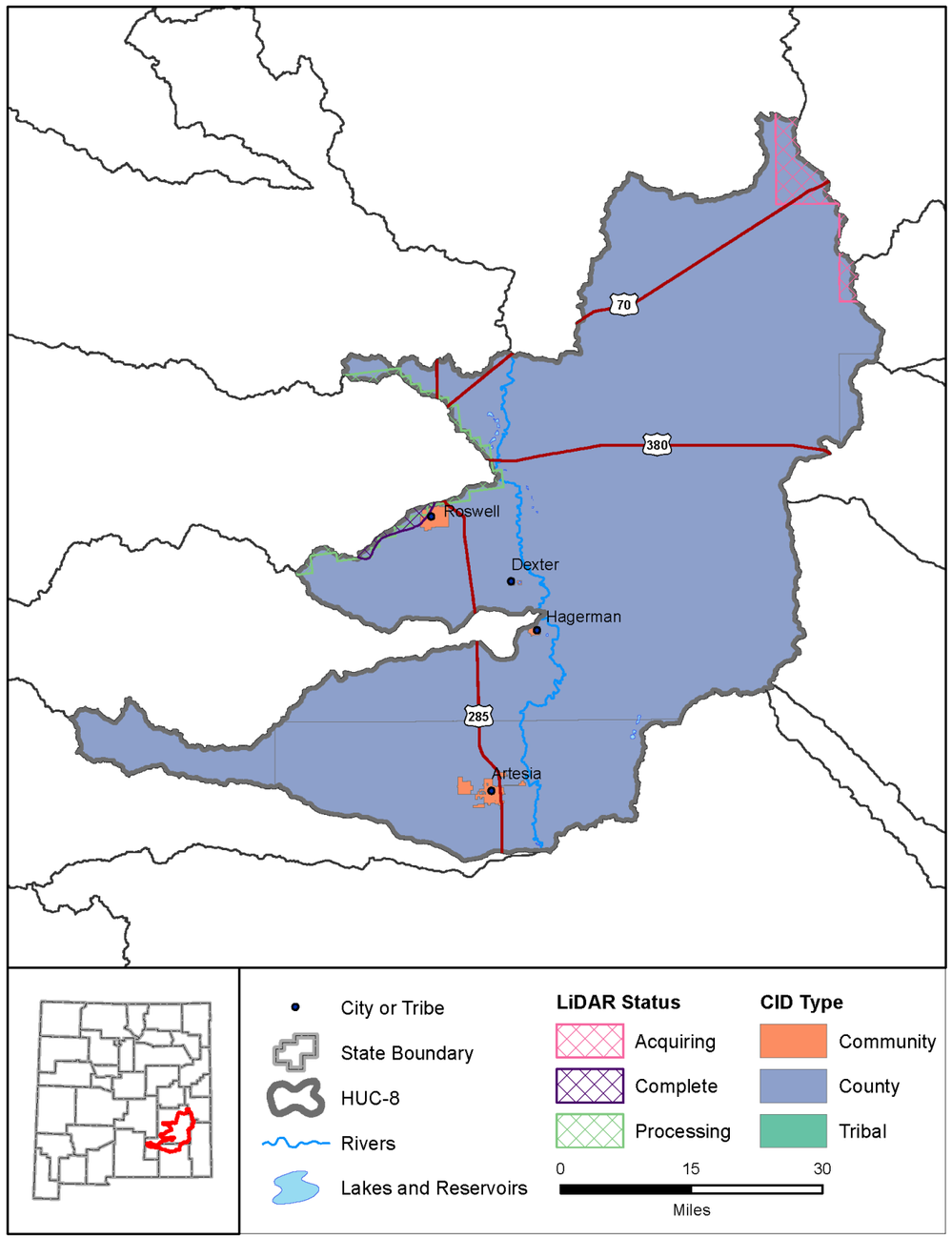
Rockfalls & Topples	6
Escarpments & Landslide Scarps	80

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	24
Alluvial Fan < 1mile	16
Alluvial Fan >1 mile	2
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	129



Upper Pecos-Long Arroyo

Description

The Upper Pecos - Long watershed is home to nearly 30,000 people in the south-central portion of New Mexico. The watershed has significant topograph relief from the Sacramento Mountains to the eastern plains. The Pecos River is the primary hydrologic feature with many smaller tributaries. FIRM data is extensive throughout the watershed. A small part of the northeast corner of the watershed will have lidar acquired in 2015. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small section of the northeastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Eddy, Lea, Roosevelt

Communities

Artesia, Dexter, Hagerman, Roswell

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066633.pdf

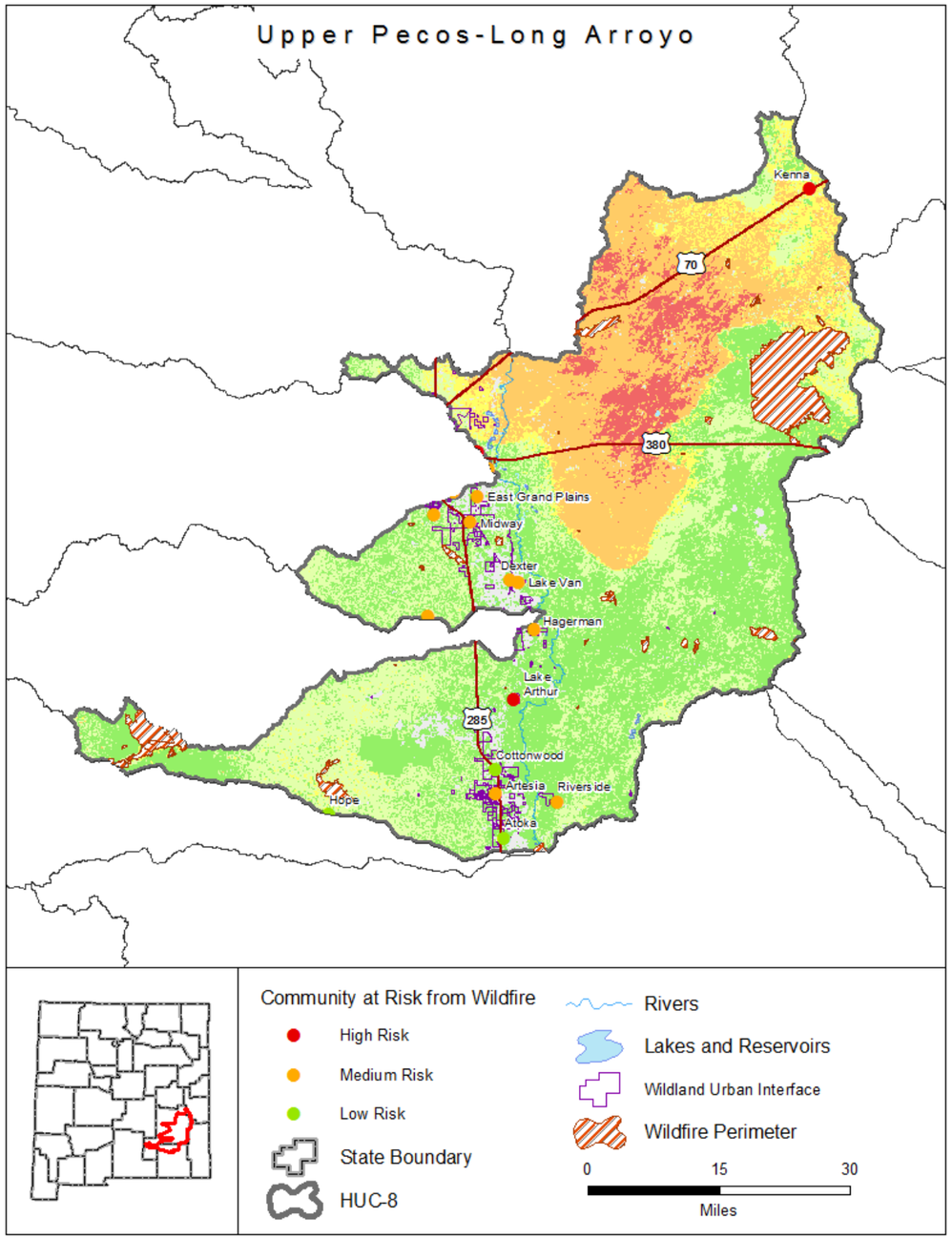
Watershed 13060007

Watershed Characteristics	
Area (sq mi)	3,199
Population in NM	27,497
CNMS Streams (mi)	548
Maximum Elevation (feet)	6,450
Minimum Elevation (feet)	3,280
High Hazard Potential Dams	7
Significant Hazard Potential Dams	2
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	50.6 %
State	20.2 %
Tribal	0 %
Federal	29.2 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	8
NFIP Communities	7
NFIP Policies	144
Policies within the SFHA	111
Policies outside of the SFHA	33
NFIP Premium Total	$ 119,102
NFIP Claims	13
Claims within the SFHA	6
Claims outside of the SFHA	7
Paid Claims	$ 28,728
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper Pecos-Long Arroyo

Risk Rank: High

Description

The Upper Pecos - Long watershed is at high risk of wildfire. The communities of Kenna and Lake Arthur were identified as high risk in the local Community Wildfire Protection Plan. A total of 82,785 acres have burned during 45 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for a small section of the northeastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Eddy, Lea, Roosevelt

Communities

Artesia, Dexter, Hagerman, Roswell

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Kenna, Lake Arthur

Watershed 13060007

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	38%
Low	27%
Moderate	7%
High	19%
Very High	4%
Non-Burnable	4%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	45
Acres Burned 2006-2016	82,785

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.39%
Intermix	1.34%
	Acres
Interface	8,049
Intermix	27,367
WUI Addressed Structures	401

Communities at Risk from Wildland Fire

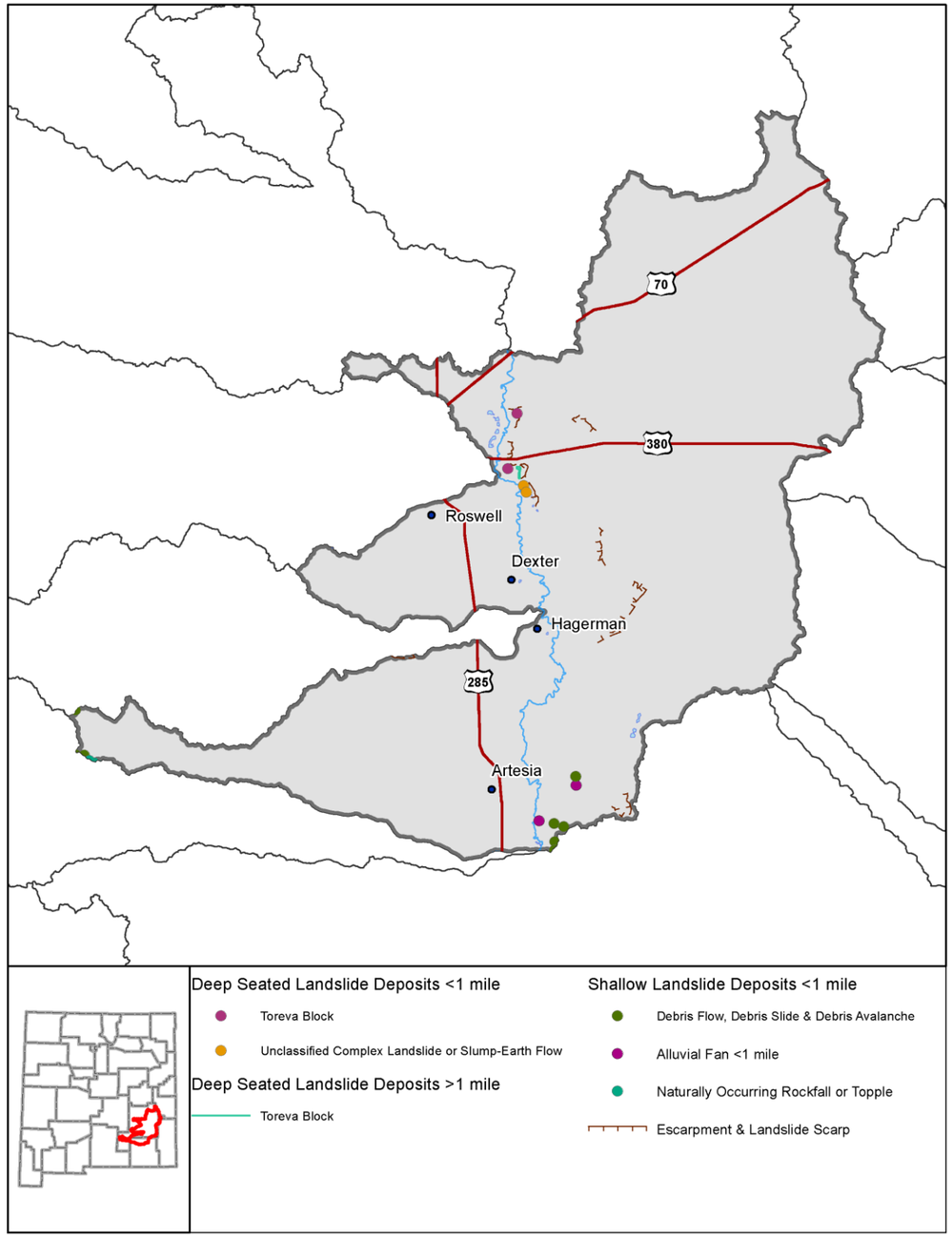
High Risk	2
Medium Risk	9
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	216,960



Upper Pecos-Long Arroyo

Risk Rank: Low

Description

The Upper Pecos - Long watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for a small section of the northeastern portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Eddy, Lea, Roosevelt

Communities

Artesia, Dexter, Hagerman, Roswell

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	3199	100%

Watershed 13060007

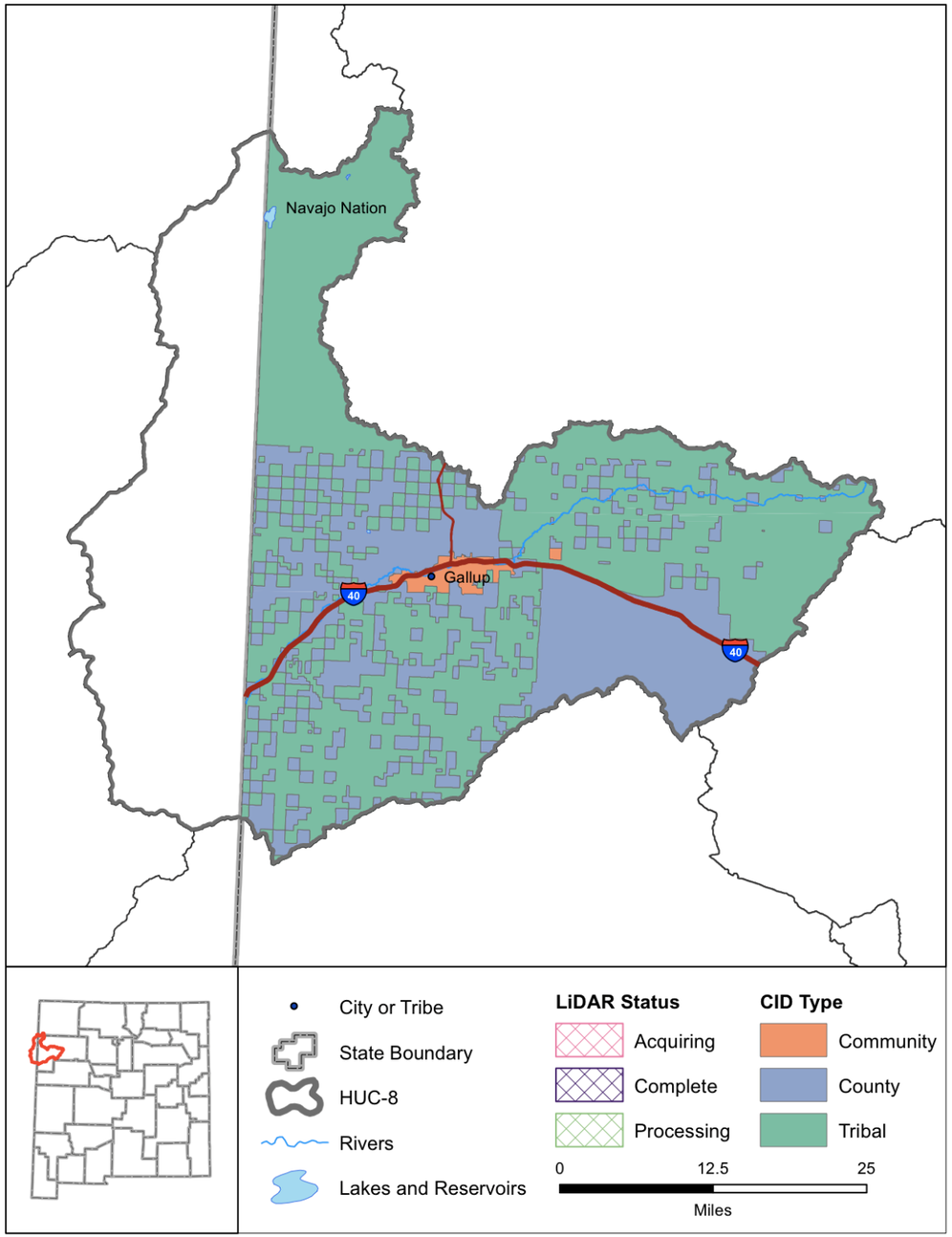
Rockfalls & Topples	0
Escarpments & Landslide Scarps	25

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	5
Alluvial Fan < 1mile	2
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	2
>1 mile	1
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	0
Total	37



Upper Puerco

Description

The Upper Puerco watershed is home to approximately 50,000 people in New Mexico and is located on the western border of the state. Within New Mexico, The Puerco River is the primary hydrologic feature with smaller intermittent tributaries. There is extensive FIRM data within the watershed except for tribal land. There is no lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

McKinley, San Juan

Communities

Gallup

Tribal Nations

Navajo Nation, Zuni Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

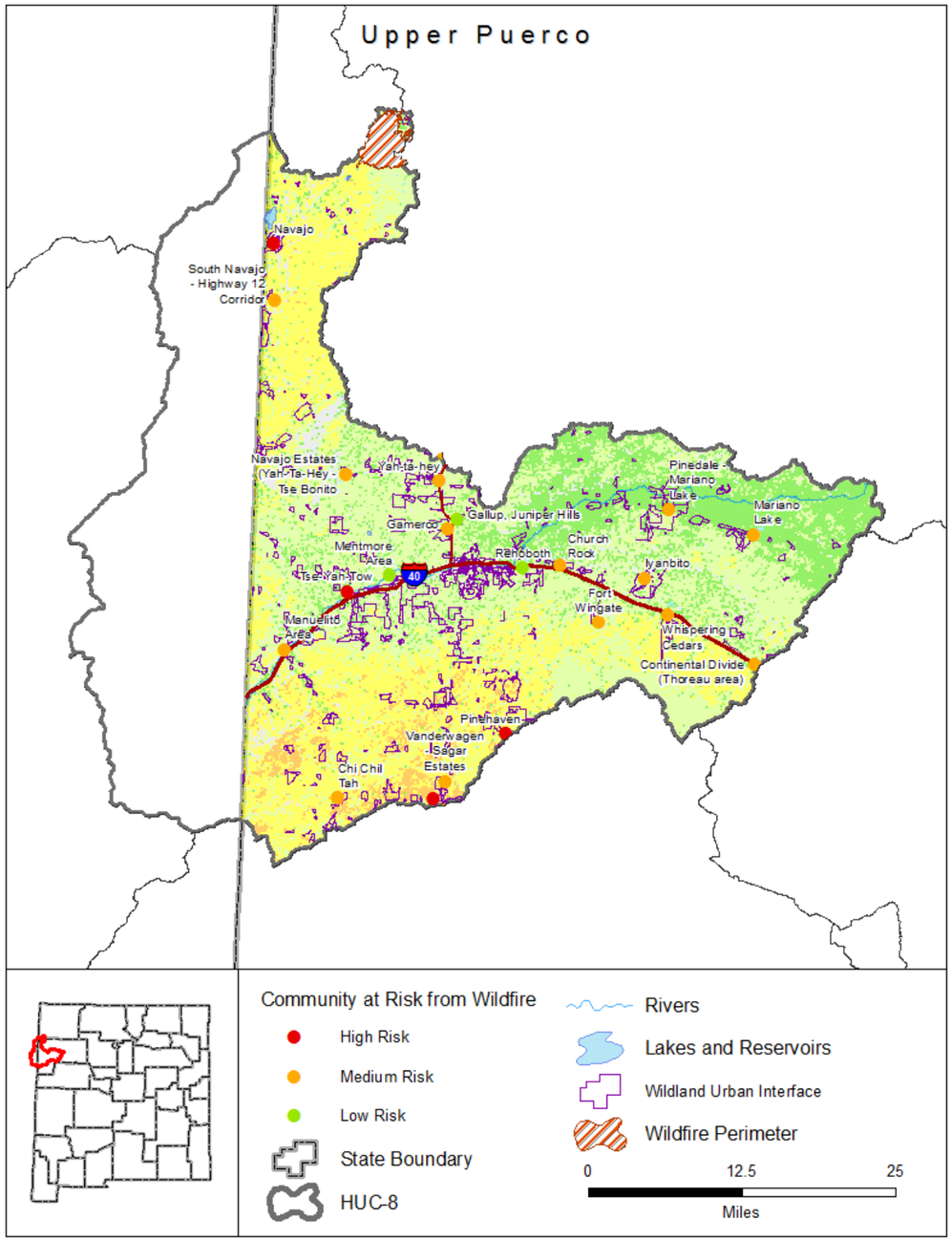
Watershed 15020006

Watershed Characteristics	
Area (sq mi)	1,916
Population in NM	49,316
CNMS Streams (mi)	279
Maximum Elevation (feet)	9,265
Minimum Elevation (feet)	6,167
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	71.08 %
Private	12.55 %
State	3.85 %
Tribal	68.5 %
Federal	15.1 %
States	AZ, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	6
NFIP Communities	4
NFIP Policies	96
Policies within the SFHA	74
Policies outside of the SFHA	22
NFIP Premium Total	$ 84,059
NFIP Claims	13
Claims within the SFHA	7
Claims outside of the SFHA	6
Paid Claims	$ 13,284
Repetitive Loss Structures	1
Repetitive Loss Claims	2
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 12,090



Upper Puerco

Risk Rank: High

Description

The Upper Puerco watershed is at high risk of wildfire. The communities of Cousins Trading Post, Navajo, Pinehaven, Tse-Yah-Tow were identified as high risk in the local Community Wildfire Protection Plan. A total of 7,783 acres have burned during 1 wildfire event over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for portion of the southeastern corner of the watershed.

Counties

McKinley, San Juan

Communities

Gallup

Tribal Nations

Navajo Nation, Zuni Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Cousins Trading Post, Navajo, Pinehaven, Tse-Yah-Tow

Watershed 15020006

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	21%
Low	42%
Moderate	30%
High	3%
Very High	0%
Non-Burnable	4%
Water	0%

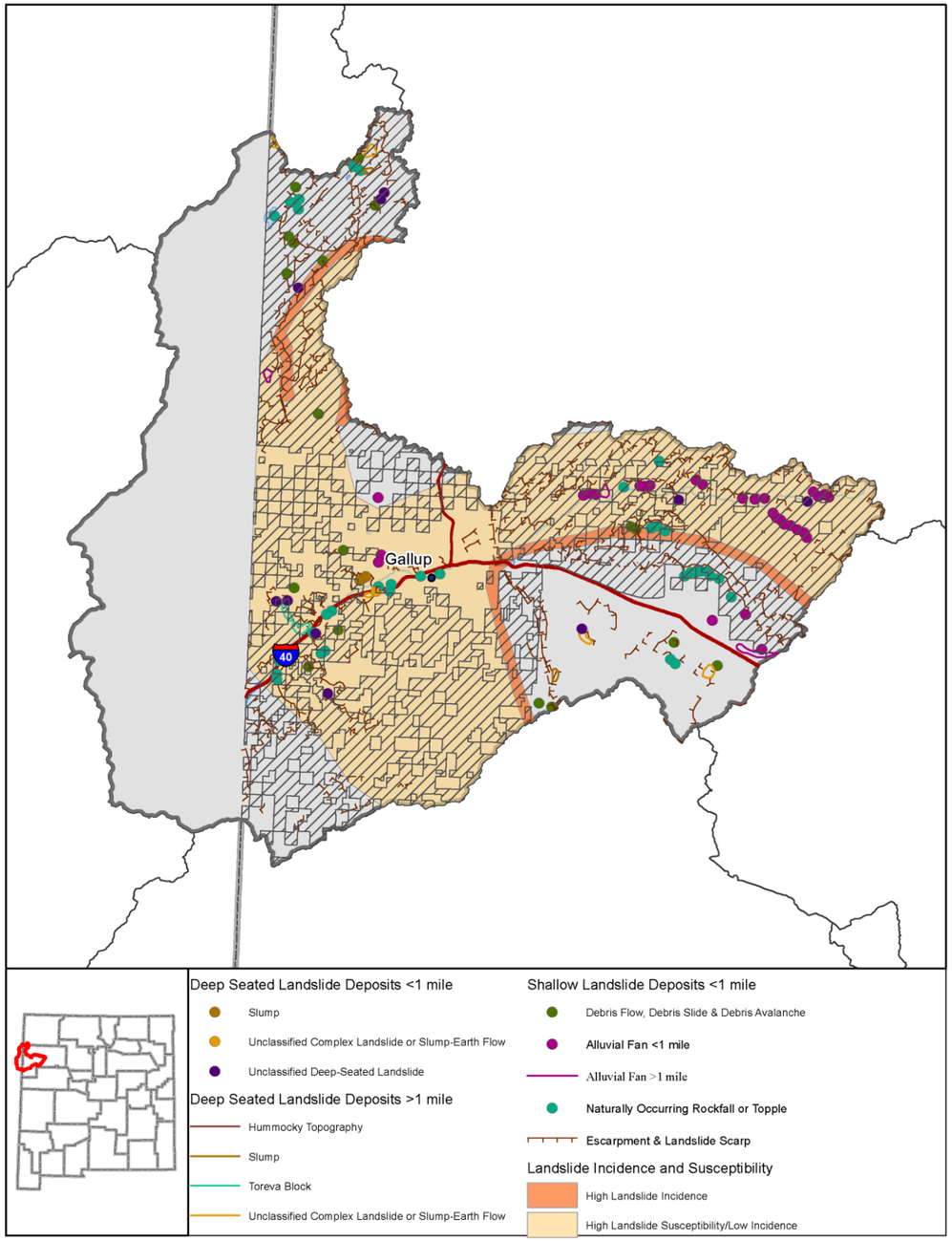
Watershed Characteristics	
Wildfires 2006-2016	1
Acres Burned 2006-2016	7,783

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.19%
Intermix	6.77%
	Acres
Interface	1,659
Intermix	58,897
WUI Addressed Structures	1021

Communities at Risk from Wildland Fire	
High Risk	4
Medium Risk	14
Low Risk	3

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	24
Very High Priority	2

Vegetation Treatments 2006-2016	
Acres Treated	0



Upper Puerco

Risk Rank: Medium

Description

The Upper Puerco watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for portion of the southeastern corner of the watershed.

Counties

McKinley, San Juan

Communities

Gallup

Tribal Nations

Navajo Nation, Zuni Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	58	3%
High susceptibility to landsliding and low incidence	776	41%
Total	1362	71%

Watershed 15020006

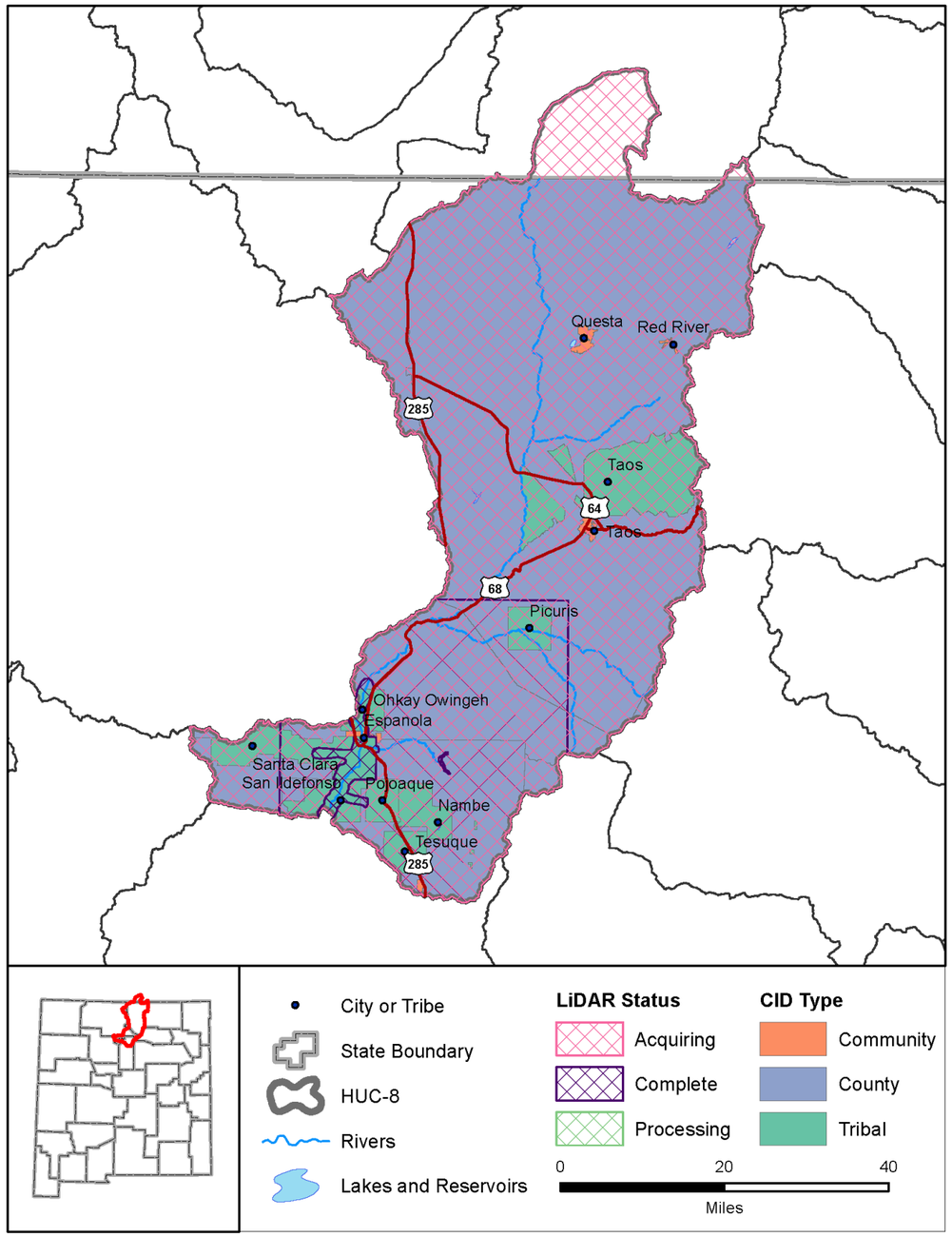
Rockfalls & Topples	37
Escarpments & Landslide Scarps	302

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	19
Alluvial Fan < 1mile	29
Alluvial Fan >1 mile	3
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	2
Rock Slump, Debris Slum & Earth Slump > 1 mile	2
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	10
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	2
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	5
Total	413



Upper Rio Grande

Description

The Upper Rio Grande watershed is home to approximately 85,000 people in north-central New Mexico. The watershed has significant topographic relief from the San Juan and Sangre de Cristo Mountains. The Rio Grande is the major hydrologic feature. FIRM data is widely available throughout the watershed except for tribal land. Lidar data will be collected in 2015 for use in future non-regulatory and regulatory flood risk projects.

Lidar Data Availability

USGS Quality Level 2 lidar data is expected to be collected in fall 2015 for the entire watershed with delivery planned for fall of 2016. The USACE collected lidar for the Espanola Rio Grande Valley in 2007. The USACE collected post-wildfire lidar data fo

Counties

Colfax, Los Alamos, Mora, Rio Arriba, Sandoval, Santa Fe, Taos

Communities

Angel Fire, Espanola, Questa, Red River, Santa Fe, Taos

Tribal Nations

Nambe Pueblo, Ohkay Owingeh, Picuris Pueblo, Pueblo of Pojoaque, San Ildefonso Pueblo, Santa Clara Pueblo, Taos Pueblo, Tesuque Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068015.pdf

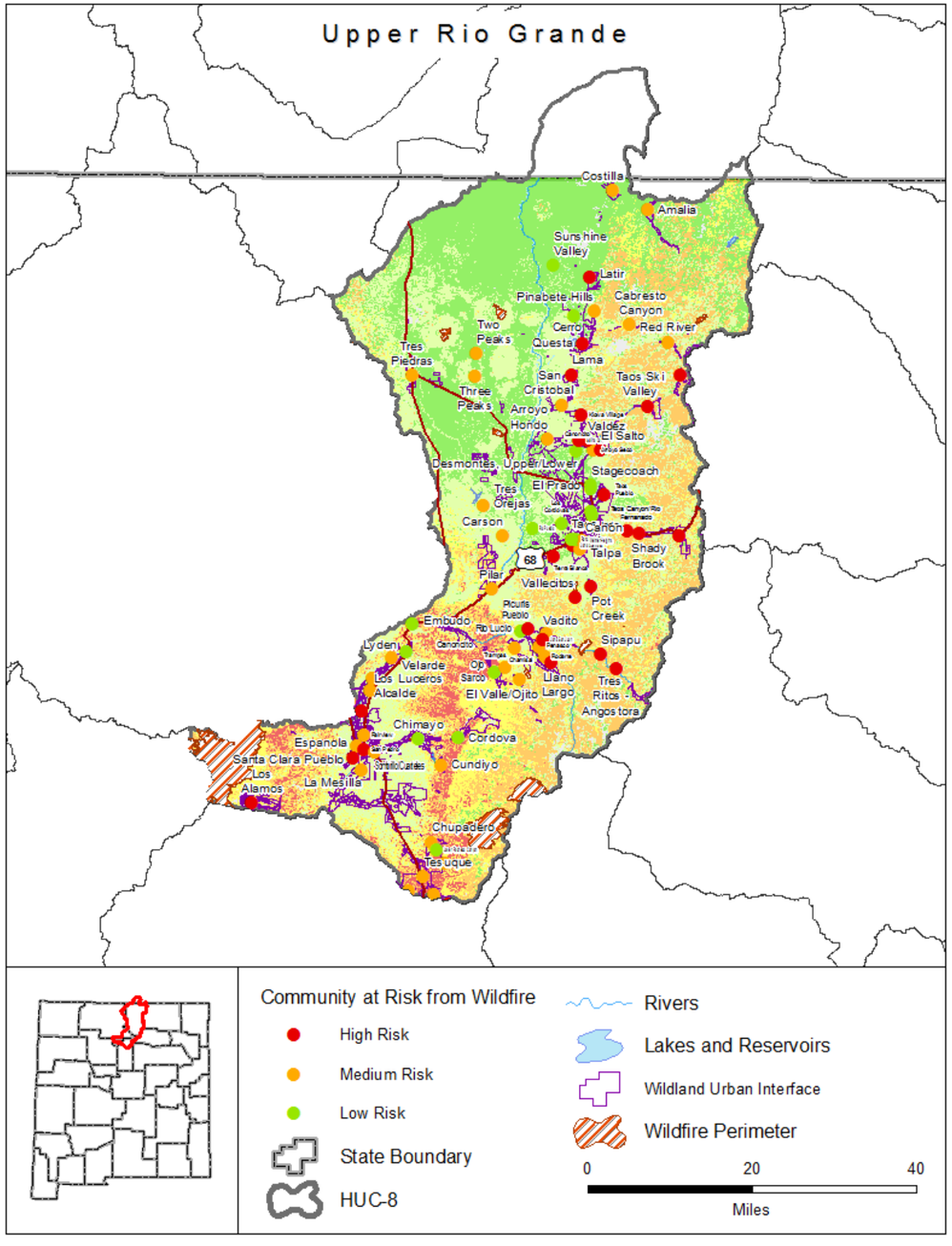
Watershed 13020101

Watershed Characteristics	
Area (sq mi)	3,252
Population in NM	84,796
CNMS Streams (mi)	953
Maximum Elevation (feet)	13,166
Minimum Elevation (feet)	5,469
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	95.03 %
Private	27.08 %
State	3.67 %
Tribal	13.37 %
Federal	55.87 %
States	NM, CO

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	21
NFIP Communities	13
NFIP Policies	433
Policies within the SFHA	255
Policies outside of the SFHA	178
NFIP Premium Total	$ 391,041
NFIP Claims	59
Claims within the SFHA	18
Claims outside of the SFHA	41
Paid Claims	$ 229,222
Repetitive Loss Structures	1
Repetitive Loss Claims	2
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 4,757



Upper Rio Grande

Risk Rank: High

Description

The Upper Rio Grande watershed is at high risk of wildfire. The communities of El Salto, Gallina Canyon, Kiowa Village, Lama, Latir, Llano Largo, Llano Quemado, Llano San Juan, Los Alamos, Picuris Pueblo, Pot Creek, Questa, San Juan Pueblo, San Pedro, Santa Clara Pueblo, Shady Brook, Sipapu, Taos Canyon/Rio Fernanado, Taos Pueblo, Taos Ski Valley, Tierra Blanca, Tres Ritos - Angostora, Upper Red River Valley, Valdez, Valle Escondido, and Vallecitos were identified as high risk in the local Community Wildfire Protection Plan. A total of 47,019 acres have burned during 18 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

USGS Quality Level 2 lidar data is expected to be collected in fall 2016. The USACE collected lidar for the Espanola Rio Grande Valley in 2007. The USACE collected post-wildfire lidar data for the Jaroso fire in 2013.

Counties

Colfax, Los Alamos, Mora, Rio Arriba, Sandoval, Santa Fe, Taos

Communities

Angel Fire, Espanola, Questa, Red River, Santa Fe, Taos

Tribal Nations

Nambe Pueblo, Ohkay Owingeh, Picuris Pueblo, Pueblo of Pojoaque, San Ildefonso Pueblo, Santa Clara Pueblo, Taos Pueblo, Tesuque Pueblo

Debris Flow Modeling

Tillery, A.C., and Haas, J.R., 2016, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Jemez Mountains, north-central New Mexico: U.S. Geological Survey Scientific-Investigations Report 2016-5101, 27 p., http://dx.doi.org/10.3133/sir20165101.

Communities at High Risk of Wildland Fire

El Salto, Gallina Canyon, Kiowa Village, Lama, Latir, Llano Largo, Llano Quemado, Llano San Juan, Los Alamos, Picuris Pueblo, Pot Creek, Questa, San Juan Pueblo, San Pedro, Santa Clara Pueblo, Shady Brook, Sipapu, Taos Canyon/Rio Fernanado, Taos Pueblo, Tesuque Pueblo

Watershed 13020101

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	26%
Low	32%
Moderate	14%
High	21%
Very High	4%
Non-Burnable	3%
Water	0%

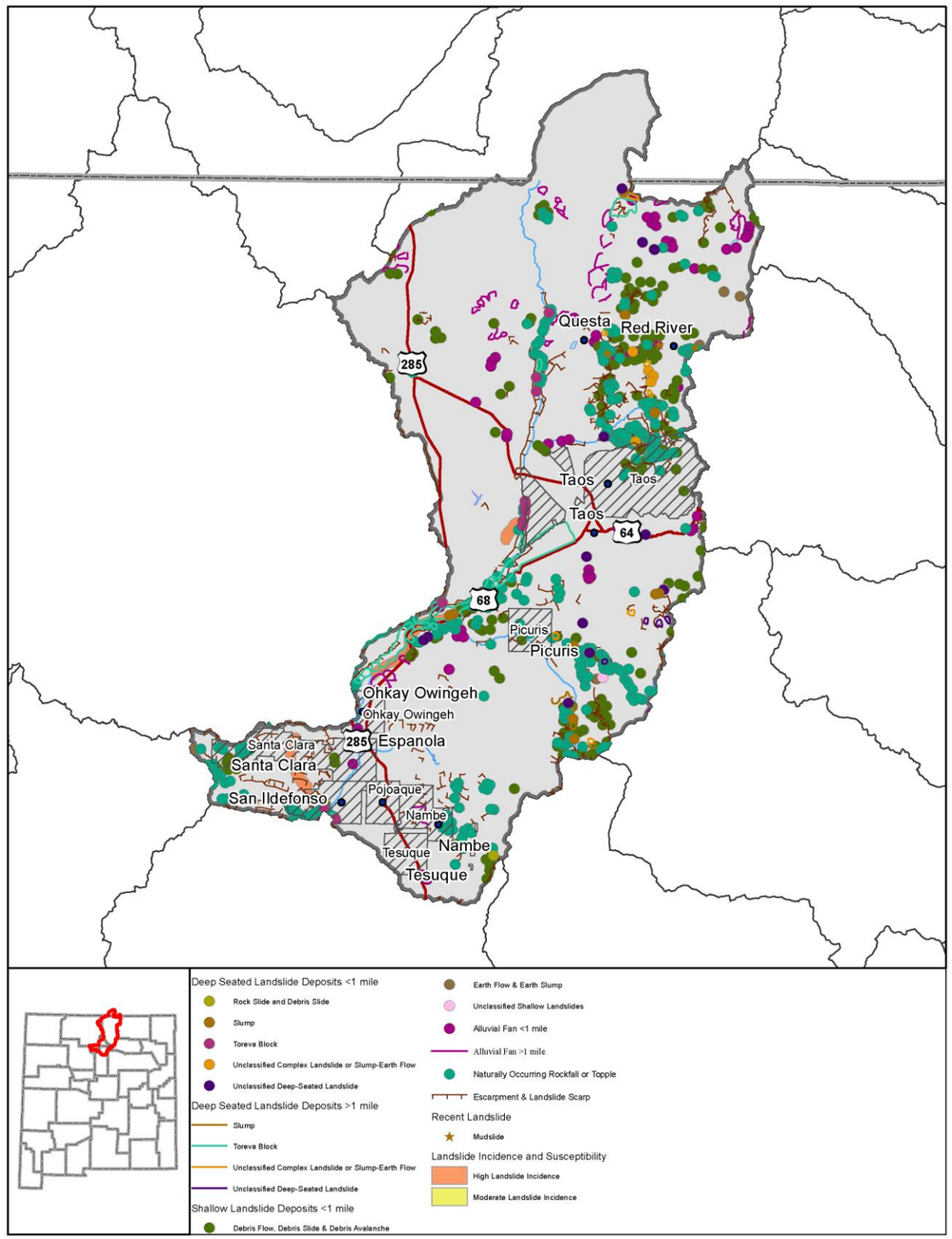
Watershed Characteristics	
Wildfires 2006-2016	18
Acres Burned 2006-2016	47,019

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	1.27%
Intermix	6.13%
	Acres
Interface	25,102
Intermix	121,432
WUI Addressed Structures	2105

Communities at Risk from Wildland Fire	
High Risk	26
Medium Risk	35
Low Risk	18

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	21
Very High Priority	30

Vegetation Treatments 2006-2016	
Acres Treated	31,360



Upper Rio Grande

Risk Rank: High

Description

The Upper Rio Grande watershed is at high risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar data was collected in 2016. The USACE collected Lidar for the Espanola Rio Grande Valley in 2007. The USACE collected post-wildfire Lidar data for the Jaroso fire in 2013.

Counties

Colfax, Los Alamos, Mora, Rio Arriba, Sandoval, Santa Fe, Taos

Communities

Angel Fire, Espanola, Questa, Red River, Santa Fe, Taos

Tribal Nations

Nambe Pueblo, Ohkay Owingeh, Picuris Pueblo, Pueblo of Pojoaque, San Ildefonso Pueblo, Santa Clara Pueblo, Taos Pueblo, Tesuque Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	34	1%
High susceptibility to landsliding and low incidence	0	0%
Total	3090	95%

Watershed 13020101

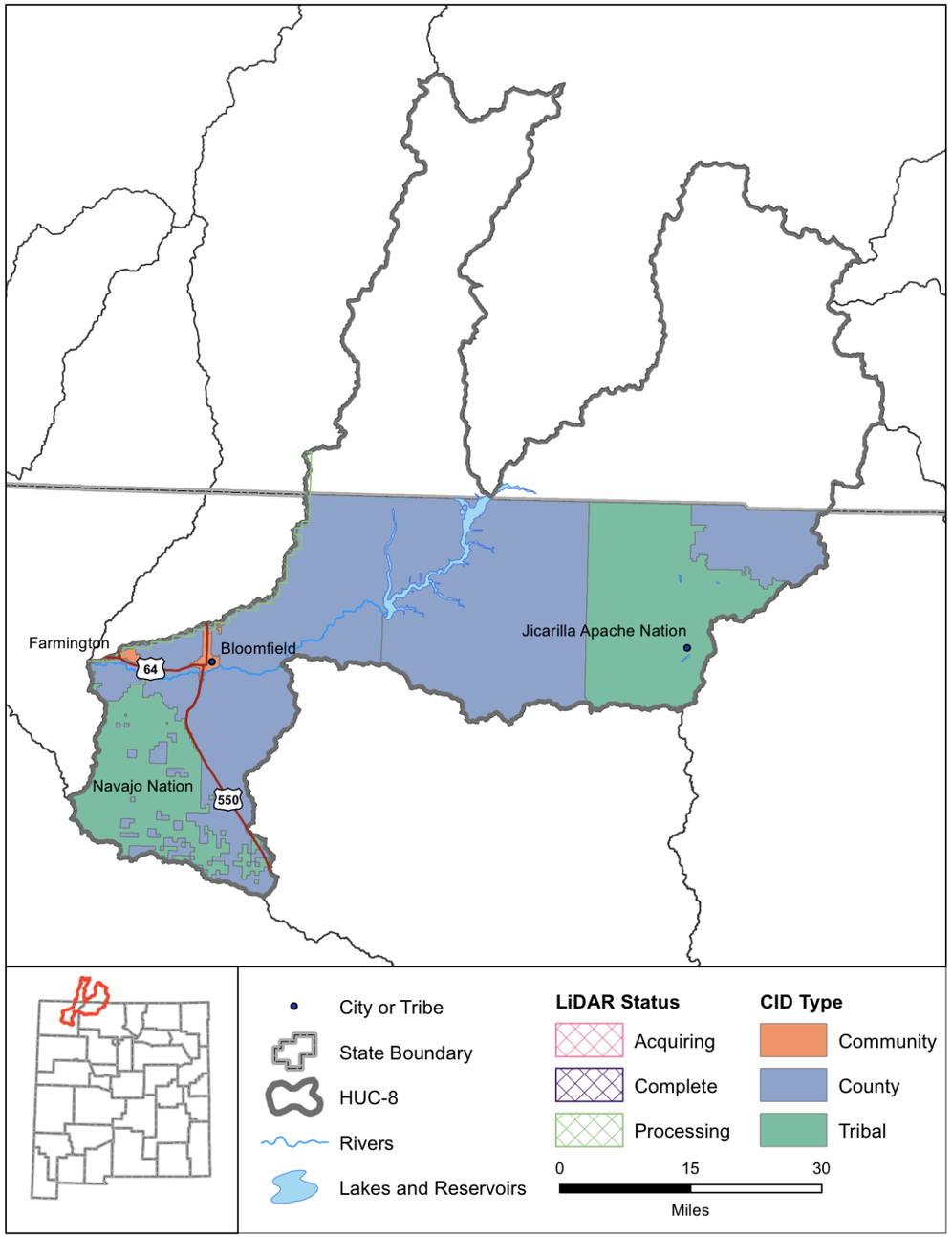
Rockfalls & Topples	296
Escarpments & Landslide Scarps	252

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	8
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	208
Alluvial Fan < 1mile	58
Alluvial Fan >1 mile	44
Unclassified Shallow Landslides	2

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	10
Rock Slump, Debris Slum & Earth Slump > 1 mile	4
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	1
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	12
>1 mile	4
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	11
>1 mile	26
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	5
>1 mile	8
Total	952



Upper San Juan

Description

The Upper San Juan watershed is home to approximately 32,000 people in New Mexico and is located along the northern border of the state. Approximately 50% of the watershed is located within New Mexico. The watershed has significant topographic relief resulting from the Continental Divide. The San Juan River is the primary hydrologic feature with smaller intermittent tributaries. FIRM data is fairly extensive within the watershed except in tribal land but no lidar data is available. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, San Juan

Communities

Aztec, Bloomfield, Farmington

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_066031.pdf

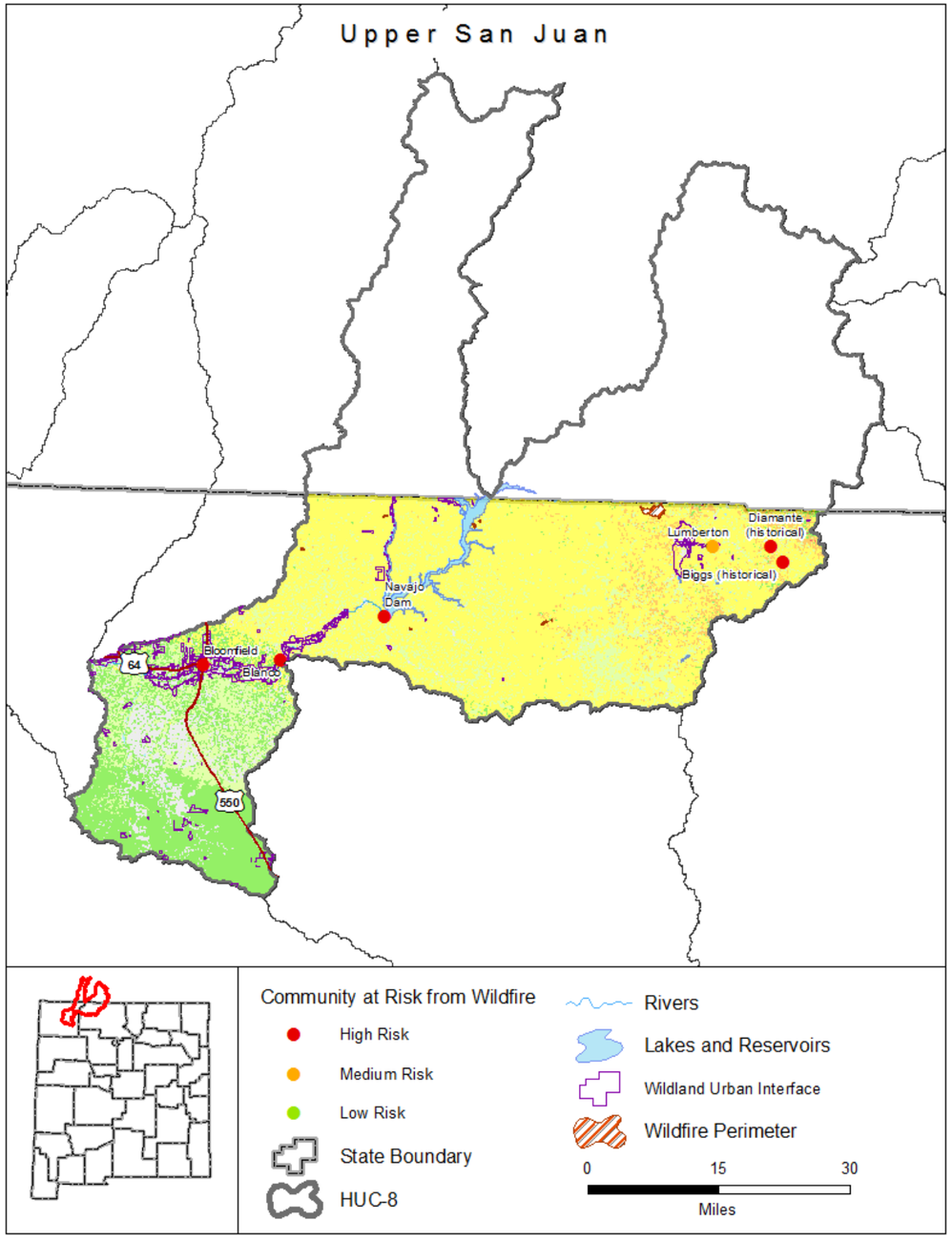
Watershed 14080101

Watershed Characteristics	
Area (sq mi)	3,432
Population in NM	31,120
CNMS Streams (mi)	730
Maximum Elevation (feet)	9,909
Minimum Elevation (feet)	5,248
High Hazard Potential Dams	7
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	3

Ownership	
Percent in New Mexico	52.61 %
Private	16.95 %
State	4.34 %
Tribal	31.96 %
Federal	46.74 %
States	CO, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	7
NFIP Communities	5
NFIP Policies	54
Policies within the SFHA	23
Policies outside of the SFHA	31
NFIP Premium Total	$ 38,727
NFIP Claims	6
Claims within the SFHA	3
Claims outside of the SFHA	3
Paid Claims	$ 4,535
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Upper San Juan

Risk Rank: Medium

Description

The Upper San Juan watershed is at medium risk of wildfire. The communities of Biggs (historical), Blanco, Bloomfield, Diamante (historical), Navajo Dam were identified as high risk in the local Community Wildfire Protection Plan. A total of 1,760 acres have burned during 8 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Rio Arriba, San Juan

Communities

Aztec, Bloomfield, Farmington

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Biggs (historical), Blanco, Bloomfield, Diamante (historical), Navajo Dam

Watershed 14080101

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	18%
Low	17%
Moderate	55%
High	3%
Very High	0%
Non-Burnable	6%
Water	1%

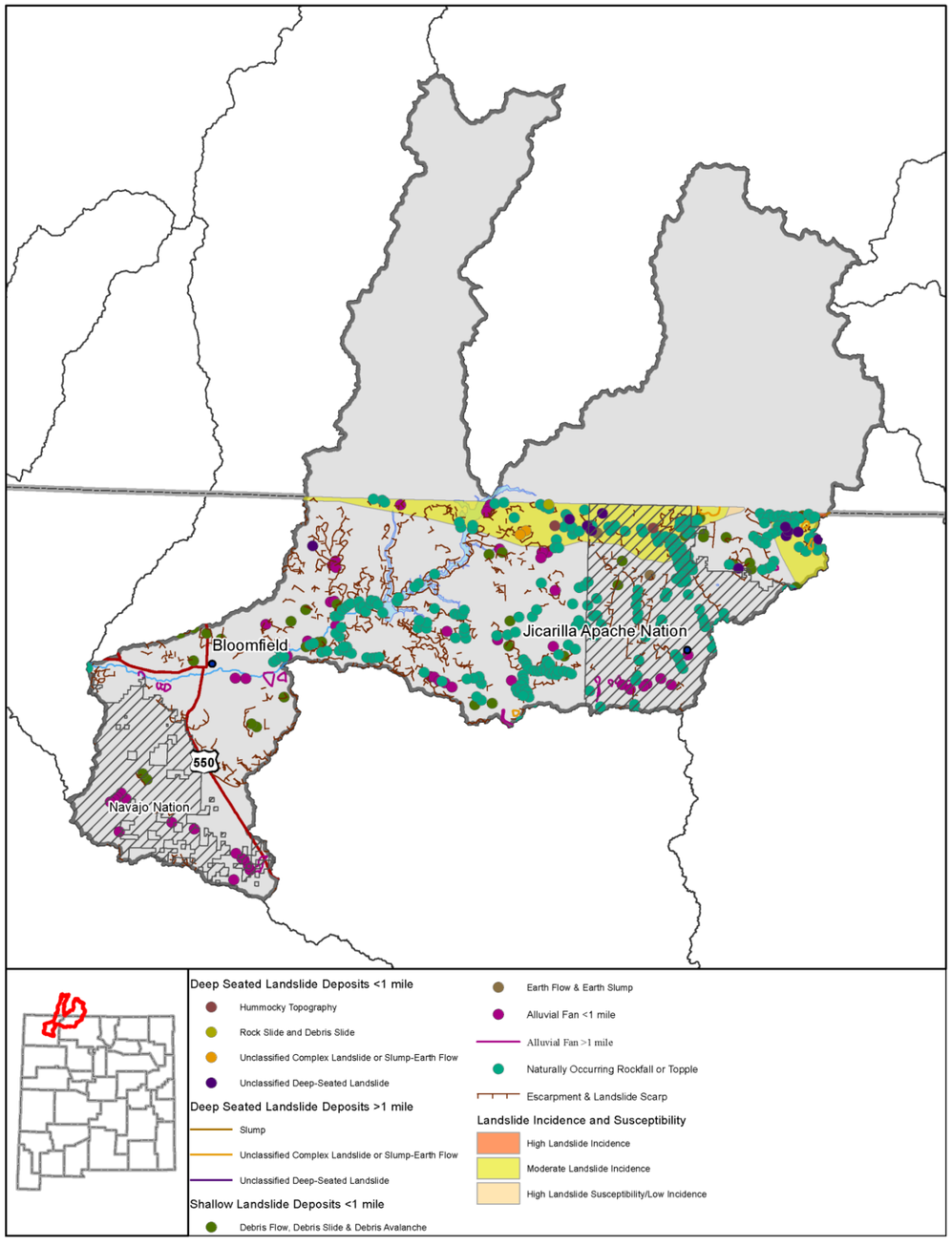
Watershed Characteristics	
Wildfires 2006-2016	8
Acres Burned 2006-2016	1,760

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	1.42%
Intermix	2.07%
	Acres
Interface	16,448
Intermix	23,984
WUI Addressed Structures	378

Communities at Risk from Wildland Fire	
High Risk	5
Medium Risk	1
Low Risk	0

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	25
Very High Priority	5

Vegetation Treatments 2006-2016	
Acres Treated	25,600



Upper San Juan

Risk Rank: Medium

Description

The Upper San Juan watershed is at medium risk of landslide processes.

Lidar Data Availability

No significant Lidar available.

Counties

Rio Arriba, San Juan

Communities

Aztec, Bloomfield, Farmington

Tribal Nations

Jicarilla Apache Nation Reservation, Navajo Nation

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	6%
High landslide incidence (> 15% of the area is involved in landsliding)	1	0%
High susceptibility to landsliding and low incidence	1	0%
Total	1806	53%

Watershed 14080101

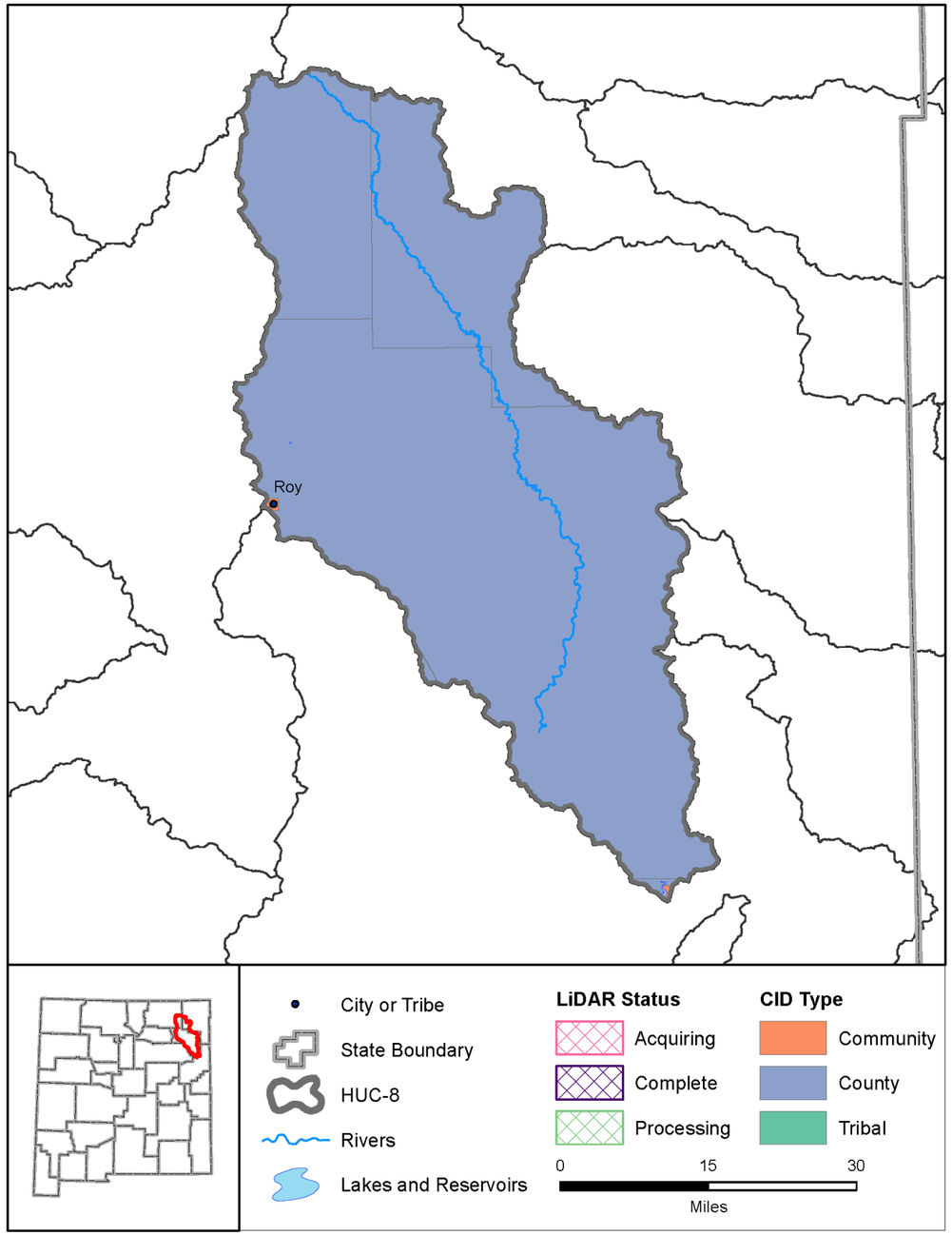
Rockfalls & Topples	267
Escarpments & Landslide Scarps	306

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	50
Alluvial Fan >1 mile	16
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	1
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	1
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	11
>1 mile	1
Hummocky Topography	
<1 mile	2
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	2
>1 mile	4
Total	661



Ute

Description

The Ute watershed is home to approximately 900 people in northeastern New Mexico. The primary hydrographic features are Tequesquite Creek, Palo Blanco Creek, and Carrizo Creek. There is no FHBM or FIRM data for the watershed. There is no lidar data available. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Harding, Quay, San Miguel, Union

Communities

Logan, Roy

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

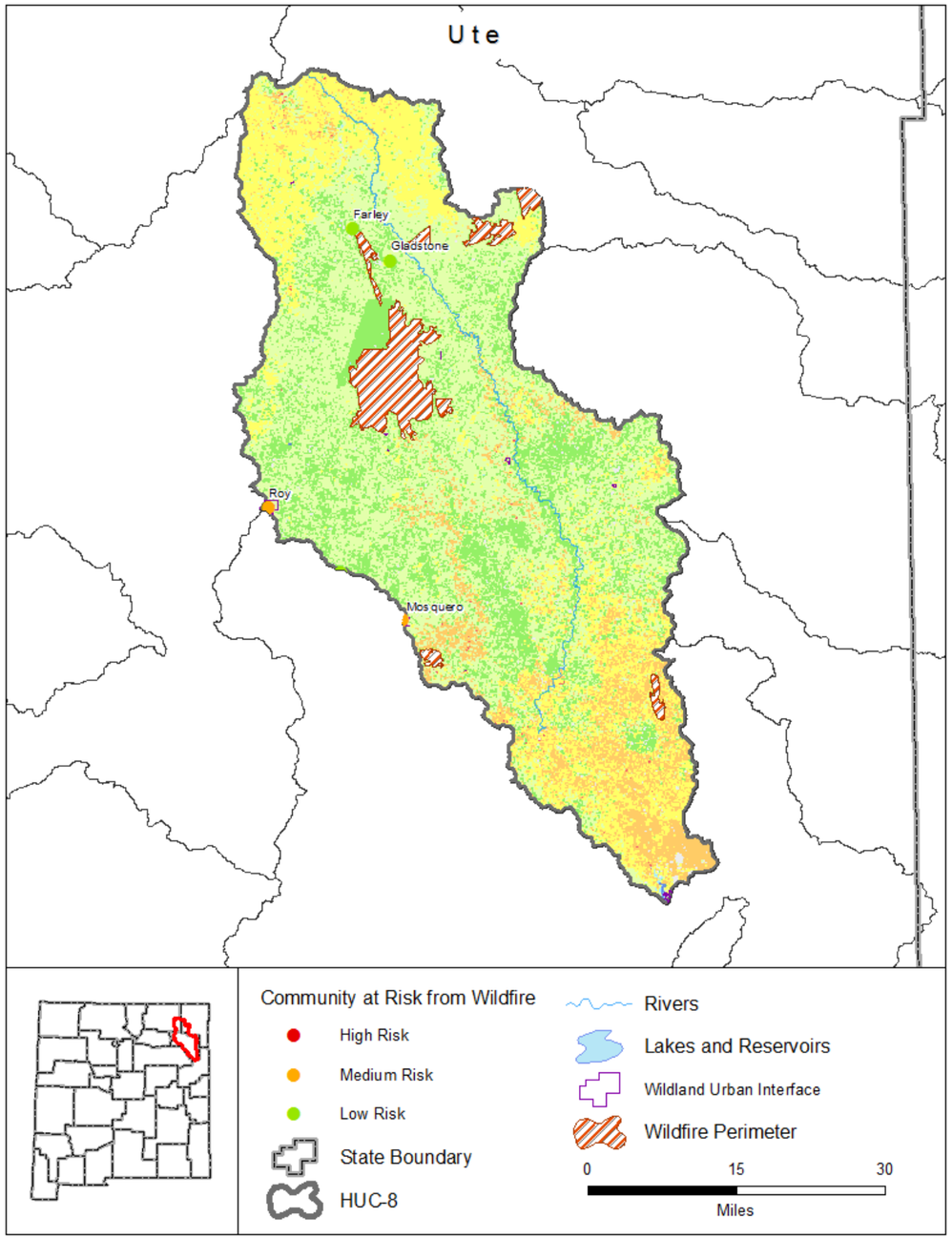
Watershed 11080007

Watershed Characteristics	
Area (sq mi)	2,125
Population in NM	889
CNMS Streams (mi)	0
Maximum Elevation (feet)	8,373
Minimum Elevation (feet)	3,748
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	100 %
Private	73.68 %
State	23.32 %
Tribal	0 %
Federal	3.01 %
States	NM

Flood Maps	
DFIRM Available	No
FHBM Available	No

NFIP Statistics	
CID Communities	7
NFIP Communities	4
NFIP Policies	0
Policies within the SFHA	0
Policies outside of the SFHA	0
NFIP Premium Total	$ 0
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Ute

Risk Rank: Medium

Description

The Ute watershed is at medium risk of wildfire and no communities at high risk were identified in the local Community Wildfire Protection Plan. A total of 61,858 acres have burned during 11 wildfire events over the last ten years.

Lidar Data Availability

No significant lidar available.

Counties

Colfax, Harding, Quay, San Miguel, Union

Communities

Logan, Roy

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

None.

Watershed 11080007

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	26%
Low	43%
Moderate	21%
High	9%
Very High	0%
Non-Burnable	1%
Water	0%

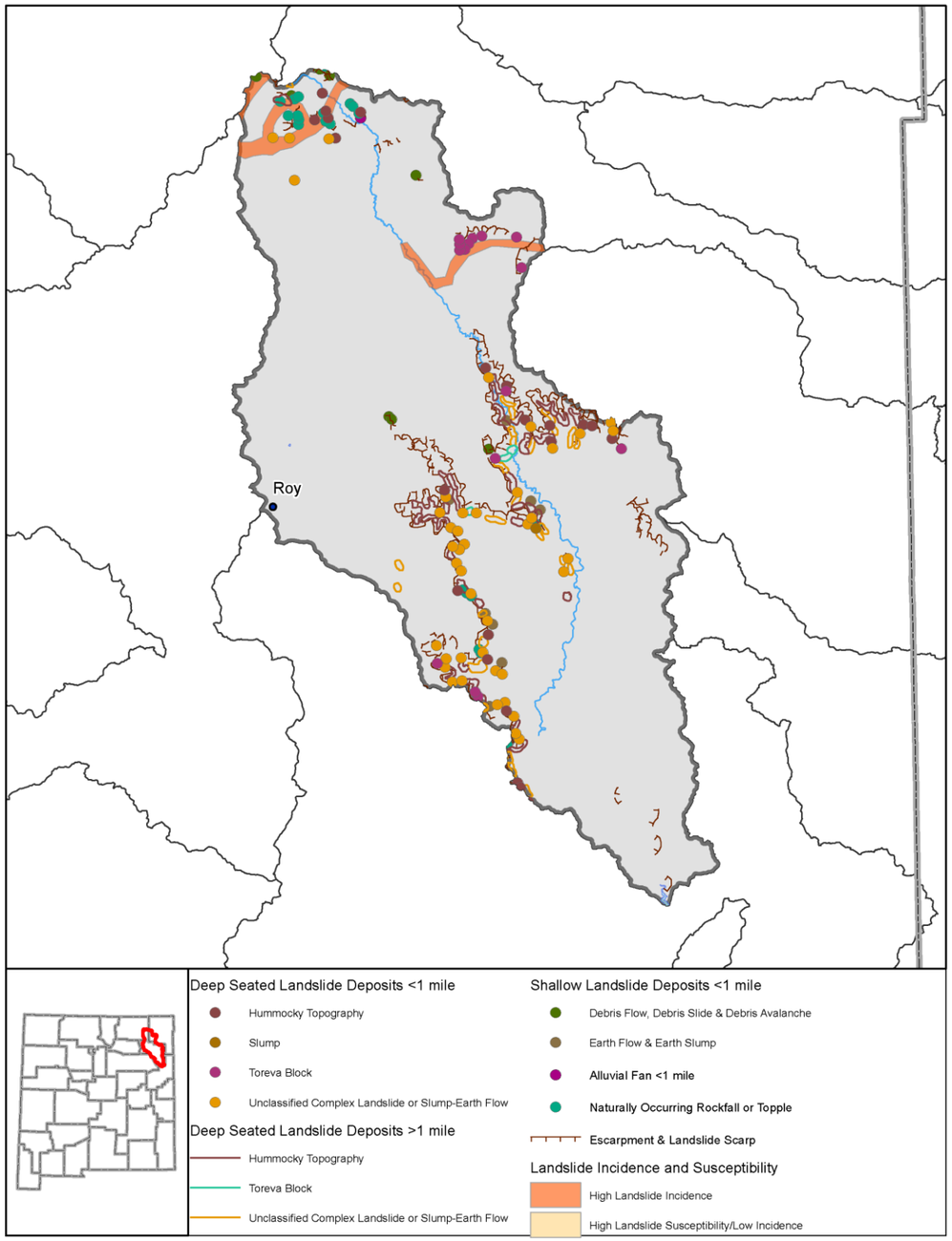
Watershed Characteristics	
Wildfires 2006-2016	11
Acres Burned 2006-2016	61,858

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	0.09%
	Acres
Interface	195
Intermix	1,282
WUI Addressed Structures	59

Communities at Risk from Wildland Fire	
High Risk	0
Medium Risk	2
Low Risk	2

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	1
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	0



Ute

Risk Rank: Low

Description

The Ute watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Colfax, Harding, Quay, San Miguel, Union

Communities

Logan, Roy

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	46	2%
High susceptibility to landsliding and low incidence	0	0%
Total	2125	100%

Watershed 11080007

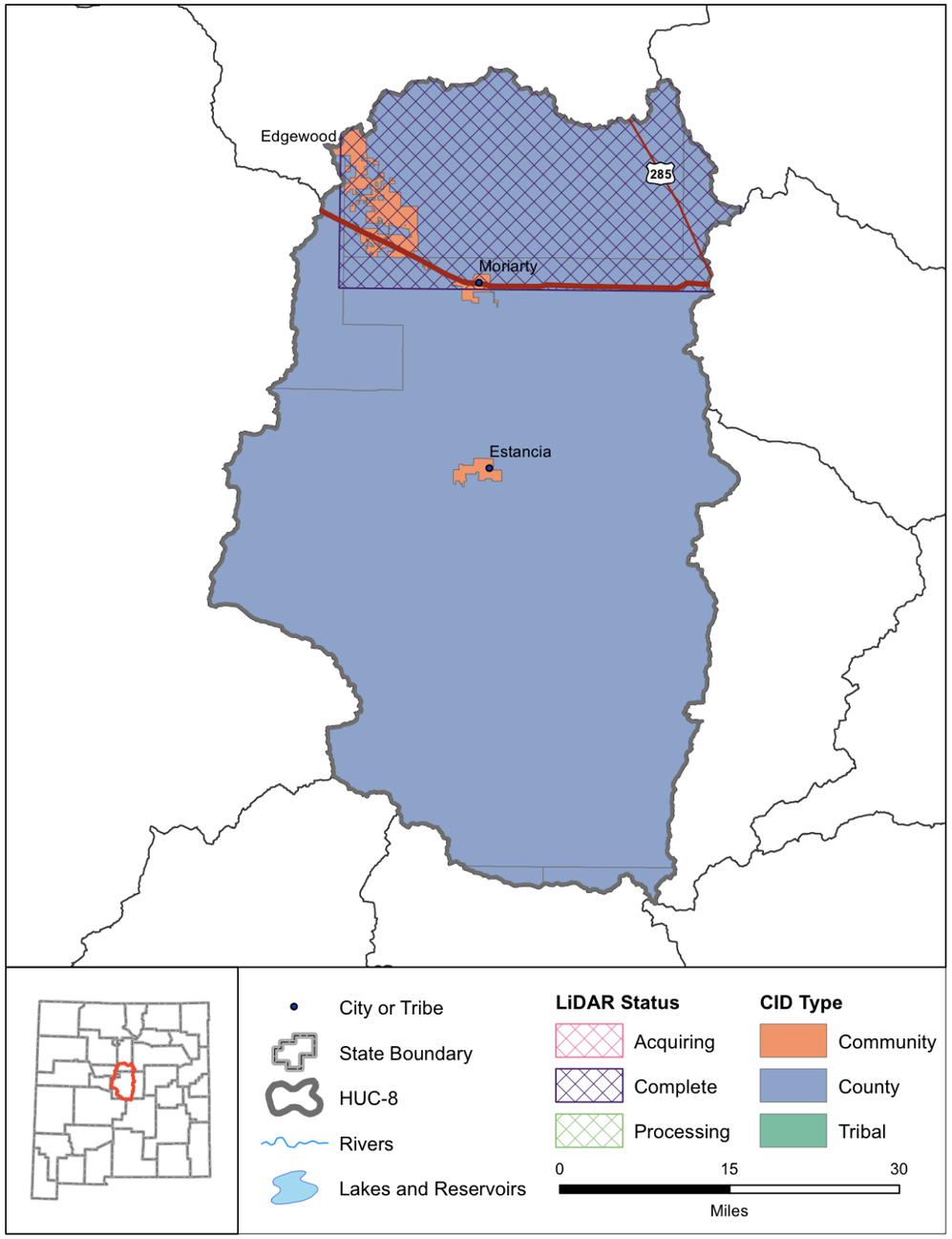
Rockfalls & Topples	19
Escarpments & Landslide Scarps	72

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	8
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	8
Alluvial Fan < 1mile	1
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	1
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	21
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	15
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	42
>1 mile	0
Total	187



Western Estancia

Description

The Western Estancia watershed is home to approximately 30,000 people in central New Mexico. There is significant topographic relief from the Manzano Mountains. The playas of the Estancia Basin are the major hydrologic feature. The watershed has both FHBM and FIRM data, except within tribal lands. Lidar data is available in the northern part of the watershed from the Santa Fe County acquisition of 2014. Local officials should be contacted to determine their need for flood risk products.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers the northern section of the watershed. Data should be delivered by the end of 2015.

Counties

Bernalillo, Lincoln, San Miguel, Santa Fe, Socorro, Torrance

Communities

Edgewood, Estancia, Moriarty

Tribal Nations

Isleta Pueblo

NRCS Rapid Watershed Assessment

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_068349.pdf

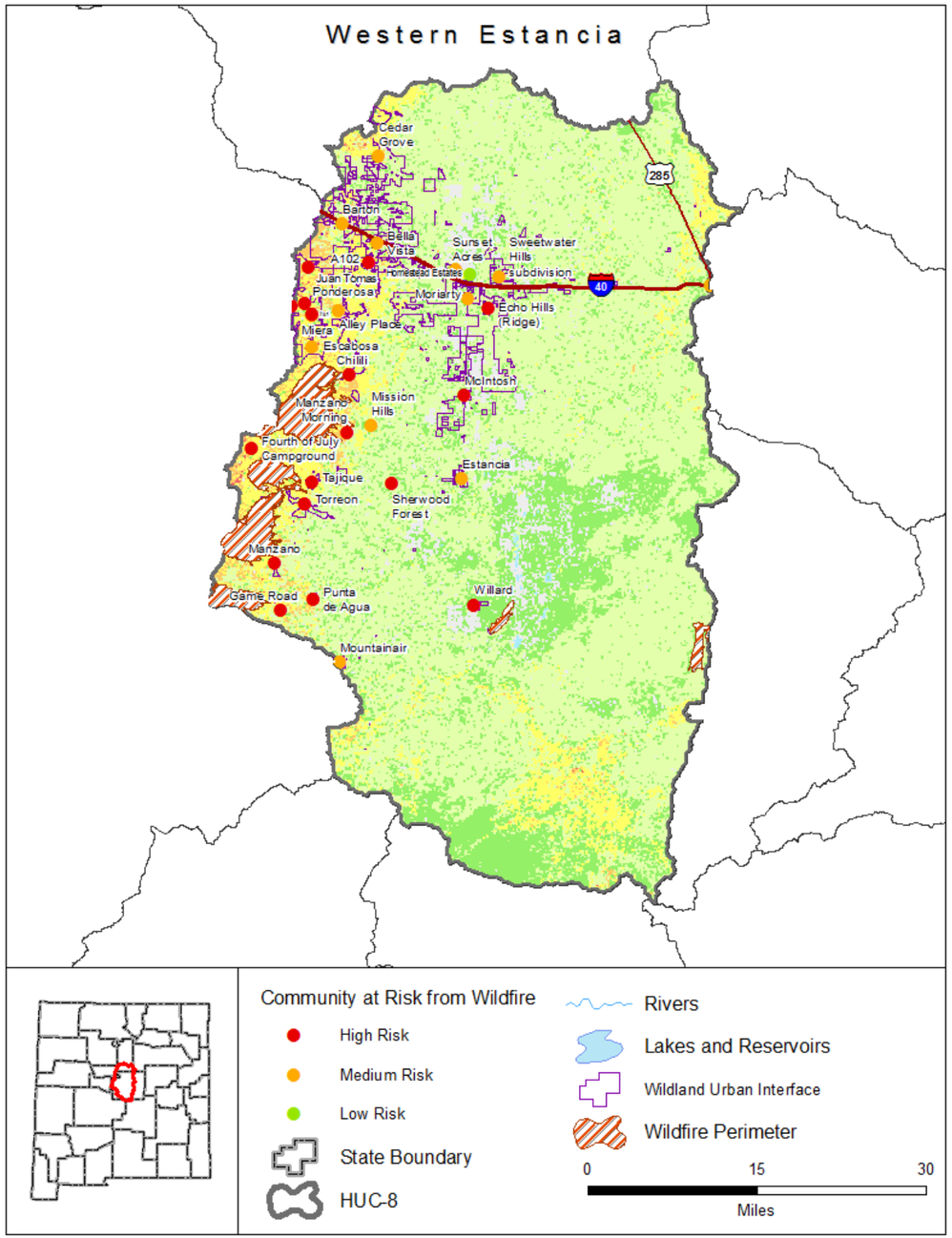
Watershed 13050001

Watershed Characteristics	
Area (sq mi)	2,423
Population in NM	31,096
CNMS Streams (mi)	458
Maximum Elevation (feet)	100,88
Minimum Elevation (feet)	5,940
High Hazard Potential Dams	0
Significant Hazard Potential Dams	1
Low Hazard Potential Dams	1

Ownership	
Percent in New Mexico	100 %
Private	76.44 %
State	15.87 %
Tribal	0.01 %
Federal	7.68 %
States	NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	Yes

NFIP Statistics	
CID Communities	10
NFIP Communities	9
NFIP Policies	158
Policies within the SFHA	121
Policies outside of the SFHA	37
NFIP Premium Total	$ 155,974
NFIP Claims	2
Claims within the SFHA	0
Claims outside of the SFHA	2
Paid Claims	$ 313
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Western Estancia

Risk Rank: Medium

Description

The Western Estancia watershed is at medium risk of wildfire. The communities of A102, Chilili, Echo Hills (Ridge), Fourth of July Campground, Game Road, Juan Tomas, Manzano, Manzano Morning, McIntosh, Ponderosa, Punta de Agua, Sherwood Forest, Tajique, Torreon, Willard, Yrisarri were identified as high risk in the local Community Wildfire Protection Plan. A total of 44,062 acres have burned during 19 wildfire events over the last ten years. A portion of the watershed has been modeled by the United States Geological Survey for Potential postwildfire debris-flow hazards.

Lidar Data Availability

USGS Quality Level 2 lidar data was collected by Santa Fe that covers the northern section of the watershed.

Counties

Bernalillo, Lincoln, San Miguel, Santa Fe, Socorro, Torrance

Communities

Edgewood, Estancia, Moriarty

Tribal Nations

Isleta Pueblo

Debris Flow Modeling

Tillery, A.C., Haas, J.R., Miller, L.W., Scott, J.H., and Thompson, M.P., 2014, Potential postwildfire debris-flow hazards—A prewildfire evaluation for the Sandia and Manzano Mountains and surrounding areas, Central New Mexico: U.S. Geological Survey Scientific Investigations Report 2014–5161, 24 p. with appendix, http://dx.doi.org/10.3133/sir20145161.

Communities at High Risk of Wildland Fire

A102, Chilili, Echo Hills (Ridge), Fourth of July Campground, Game Road, Juan Tomas, Manzano, Manzano Morning, McIntosh, Ponderosa, Punta de Agua, Sherwood Forest, Tajique, Torreon, Willard, Yrisarri

Watershed 13050001

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	21%
Low	60%
Moderate	11%
High	2%
Very High	0%
Non-Burnable	5%
Water	0%

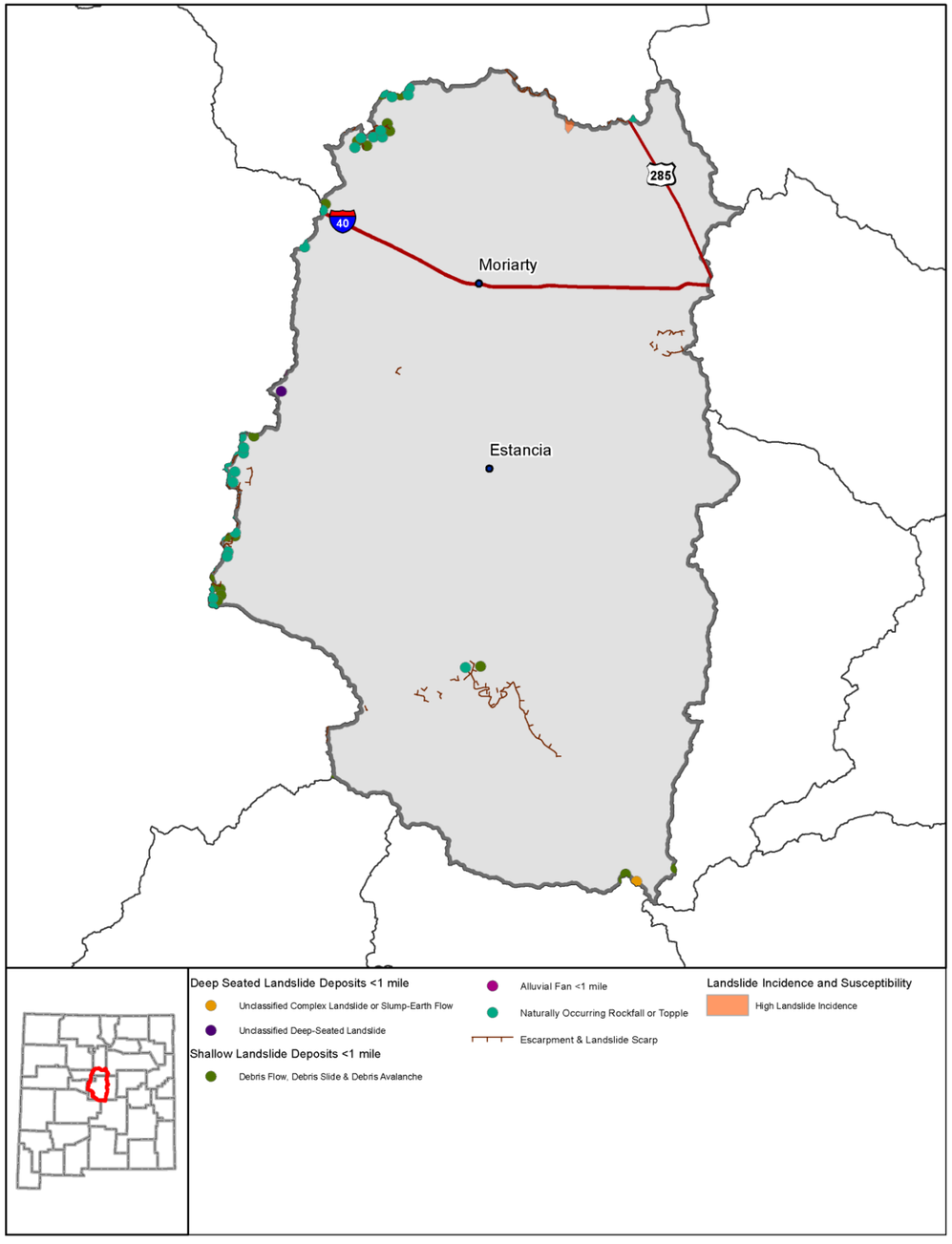
Watershed Characteristics	
Wildfires 2006-2016	19
Acres Burned 2006-2016	44,062

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.11%
Intermix	6.23%
	Acres
Interface	1,692
Intermix	96,575
WUI Addressed Structures	1054

Communities at Risk from Wildland Fire	
High Risk	16
Medium Risk	12
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	12
Very High Priority	0

Vegetation Treatments 2006-2016	
Acres Treated	1,280



Western Estancia

Risk Rank: Low

Description

The Western Estancia watershed is at low risk of landslide processes.

Lidar Data Availability

NRCS anticipates collecting USGS QL2 Lidar data 2017-2018.

Counties

Bernalillo, Lincoln, San Miguel, Santa Fe, Socorro, Torrance

Communities

Edgewood, Estancia, Moriarty

Tribal Nations

Isleta Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	1	0%
High susceptibility to landsliding and low incidence	0	0%
Total	2423	100%

Watershed 13050001

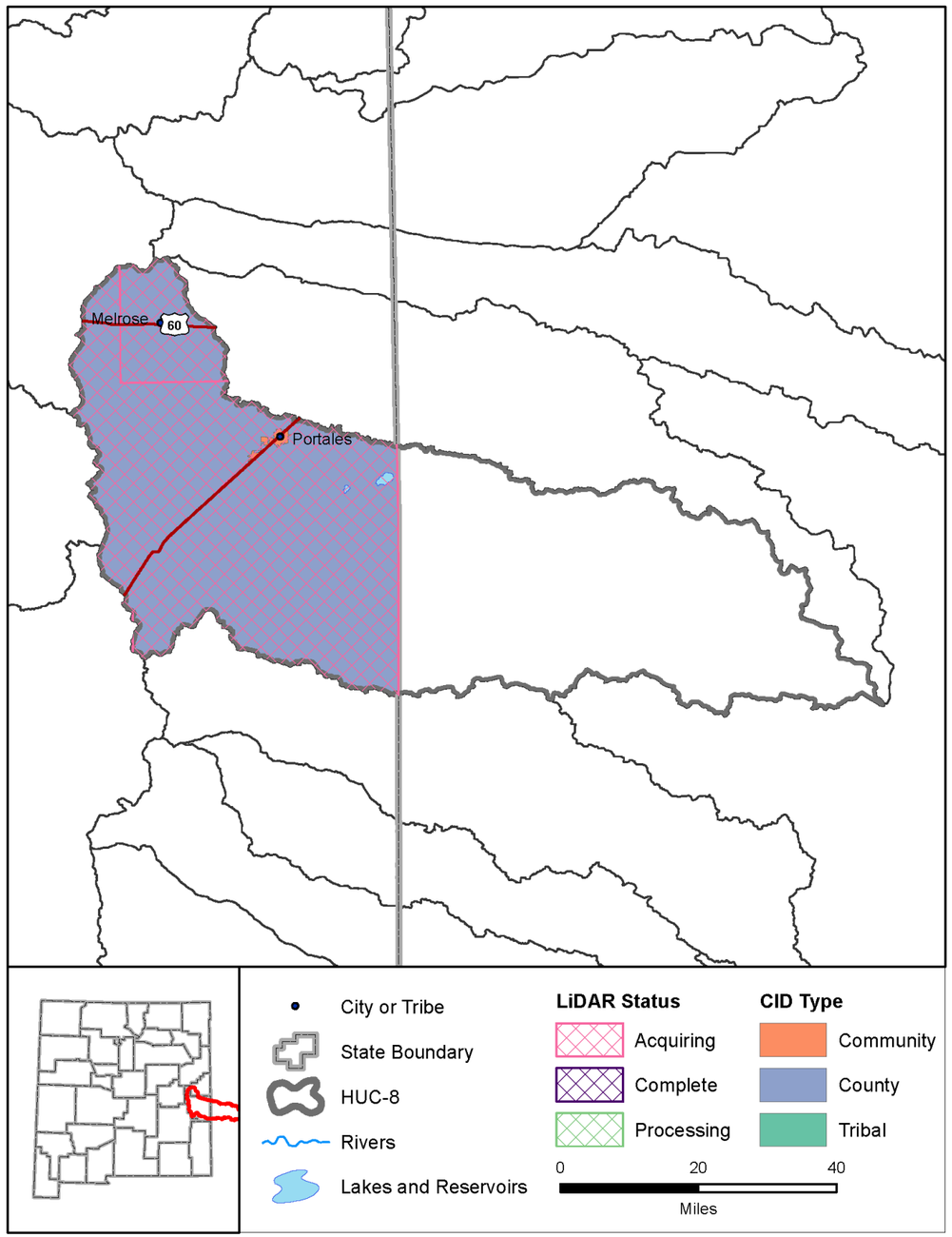
Rockfalls & Topples	23
Escarpments & Landslide Scarps	34

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	15
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	1
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	1
>1 mile	0
Total	74



Yellow House Draw

Description

The Yellow House Draw watershed is home to approximately 18,000 people along the eastern border of New Mexico. The watershed is part of the eastern plains. The primary hydrographic feature is Salt Lake. Limited FIRM data exists within the watershed. Lidar data is anticipated being collected in 2015 for regulatory and non-regulatory flood risk projects. Local officials should be contacted to determine their need for flood risk products but future studies should be conducted in partnership with Texas.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Curry, Roosevelt

Communities

Melrose, Portales

Tribal Nations

No tribal nations within this watershed.

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

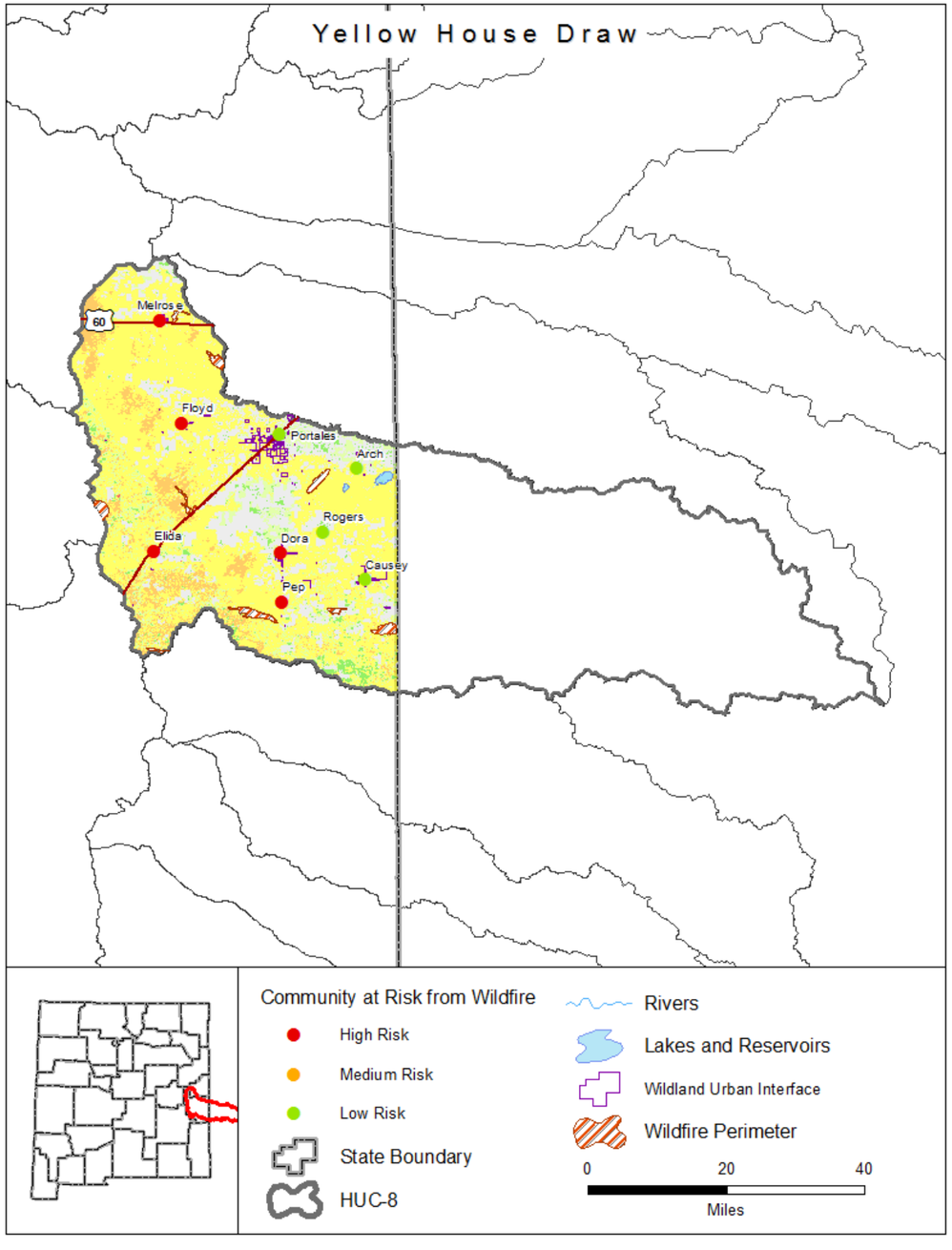
Watershed 12050001

Watershed Characteristics	
Area (sq mi)	3,672
Population in NM	18,296
CNMS Streams (mi)	85
Maximum Elevation (feet)	4,724
Minimum Elevation (feet)	3,850
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	50.97 %
Private	89.69 %
State	8.05 %
Tribal	0 %
Federal	2.24 %
States	NM, TX

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	5
NFIP Communities	4
NFIP Policies	519
Policies within the SFHA	496
Policies outside of the SFHA	23
NFIP Premium Total	$ 292,802
NFIP Claims	17
Claims within the SFHA	14
Claims outside of the SFHA	3
Paid Claims	$ 36,549
Repetitive Loss Structures	2
Repetitive Loss Claims	5
Rep Loss Structures within SFHA	1
Rep Loss Structures outside SFHA	1
Repetitive Loss Total	$ 14,021



Yellow House Draw

Risk Rank: High

Description

The Yellow House Draw watershed is at high risk of wildfire. The communities of Dora, Elida, Floyd, Melrose, and Pep were identified as high risk in the local Community Wildfire Protection Plan. A total of 16,150 acres have burned during 11 wildfire events over the last ten years. Lidar data was collected for the New Mexico portion of the watershed in 2015 by FEMA.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Curry, Roosevelt

Communities

Melrose, Portales

Tribal Nations

No tribal nations within this watershed.

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Dora, Elida, Floyd, Melrose, Pep

Watershed 12050001

Watershed Fire Risk

Risk Level	Percent Watershed Area
Very Low	3%
Low	10%
Moderate	60%
High	8%
Very High	0%
Non-Burnable	19%
Water	0%

Watershed Characteristics

Wildfires 2006-2016	11
Acres Burned 2006-2016	16,150

Wildland Urban Interface

WUI Classification	Percent Watershed Area
Interface	0.32%
Intermix	0.62%
	Acres
Interface	3,780
Intermix	7,450
WUI Addressed Structures	182

Communities at Risk from Wildland Fire

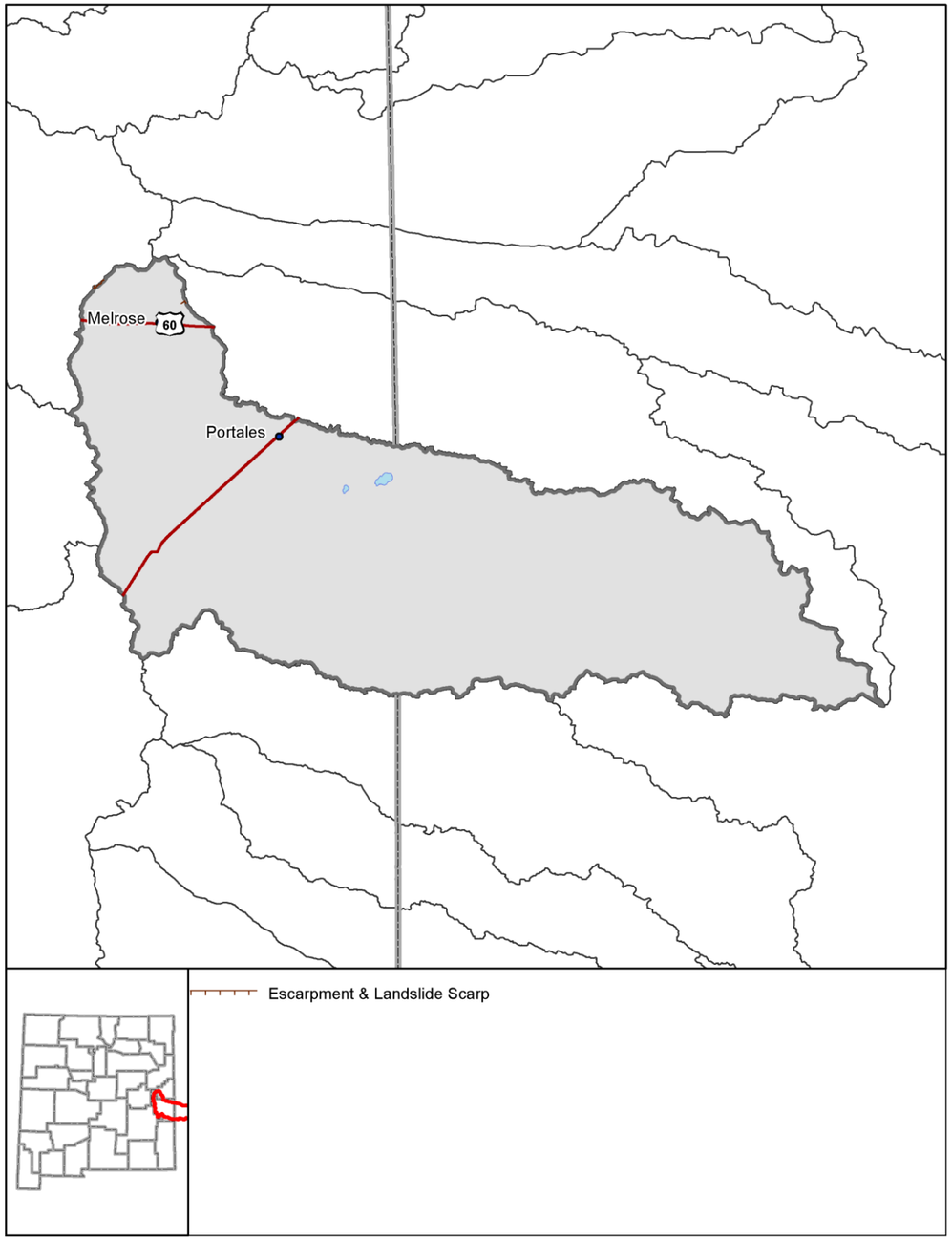
High Risk	5
Medium Risk	0
Low Risk	4

Nature Conservancy HUC 12 At-Risk Watersheds Rankings

High Priority	0
Very High Priority	0

Vegetation Treatments 2006-2016

Acres Treated	0



Yellow House Draw

Risk Rank: Low

Description

The Yellow House Draw watershed is at low risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for the western portion of the watershed as part of a broader collection for Curry and Roosevelt Counties in the fall of 2015.

Counties

Chaves, Curry, Roosevelt

Communities

Melrose, Portales

Tribal Nations

No tribal nations within this watershed.

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	0	0%
High susceptibility to landsliding and low incidence	0	0%
Total	1871	51%

Watershed 12050001

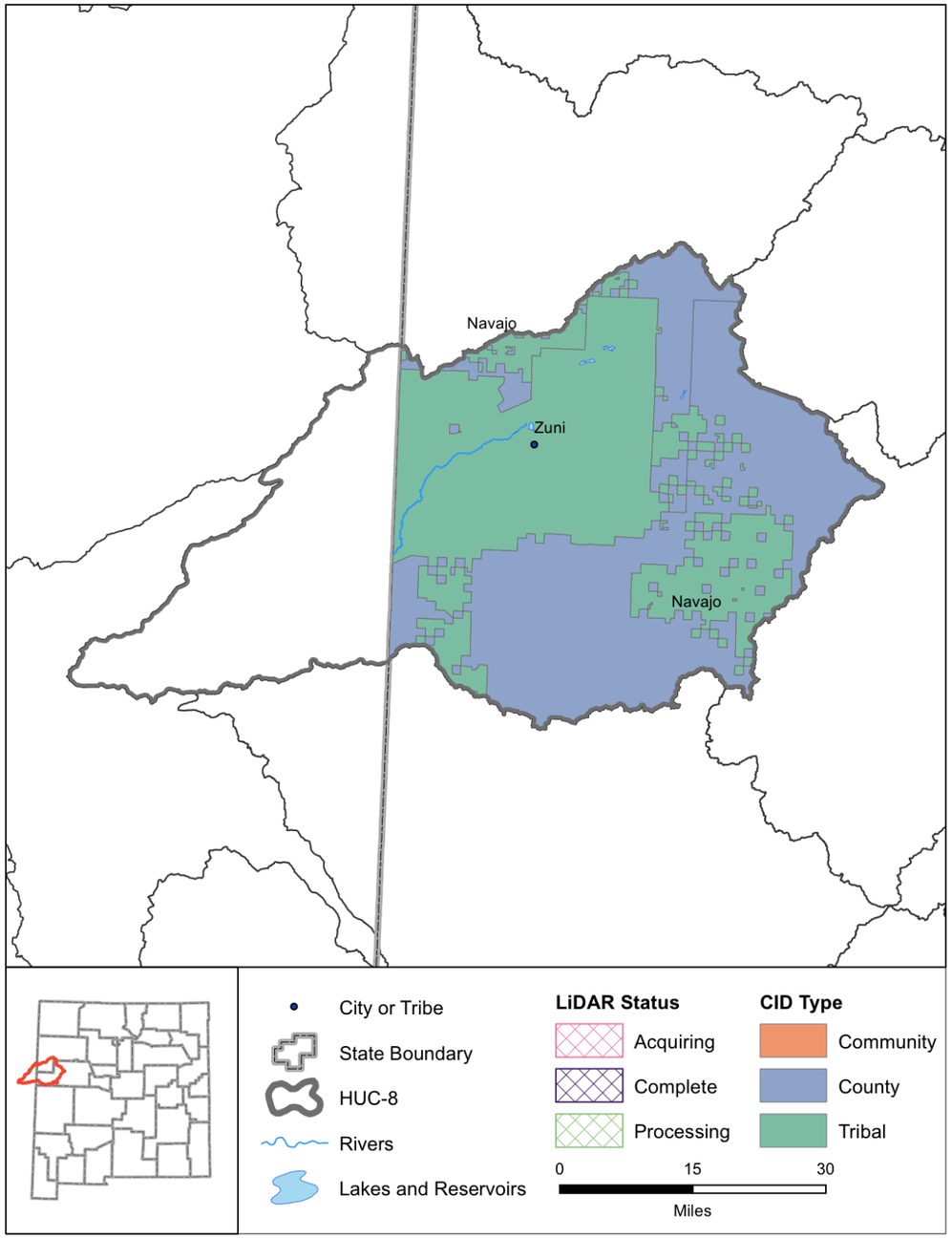
Rockfalls & Topples	0
Escarpments & Landslide Scarps	2

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	0
Alluvial Fan < 1mile	0
Alluvial Fan >1 mile	0
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	0
Rock Slump, Debris Slum & Earth Slump > 1 mile	0
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	0
>1 mile	0
Hummocky Topography	
<1 mile	0
>1 mile	0
Complex Landslides	
Toreva Block	
<1 mile	0
>1 mile	0
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	2



Zuni

Description

The Zuni watershed is home to approximately 12,000 people in New Mexico and is located on the western border of the state. The New Mexico portion of the watershed is bound by the Zuni Mountains to the north and west. The Zuni River is the primary hydrologic feature with smaller intermittent tributaries. There is extensive FIRM data within the watershed except for tribal land. There is no lidar data for the watershed. Local officials should be contacted to determine their need for additional flood risk products.

Lidar Data Availability

No significant lidar available.

Counties

Cibola, McKinley

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Zuni Pueblo

NRCS Rapid Watershed Assessment

No watershed assessment available for this watershed.

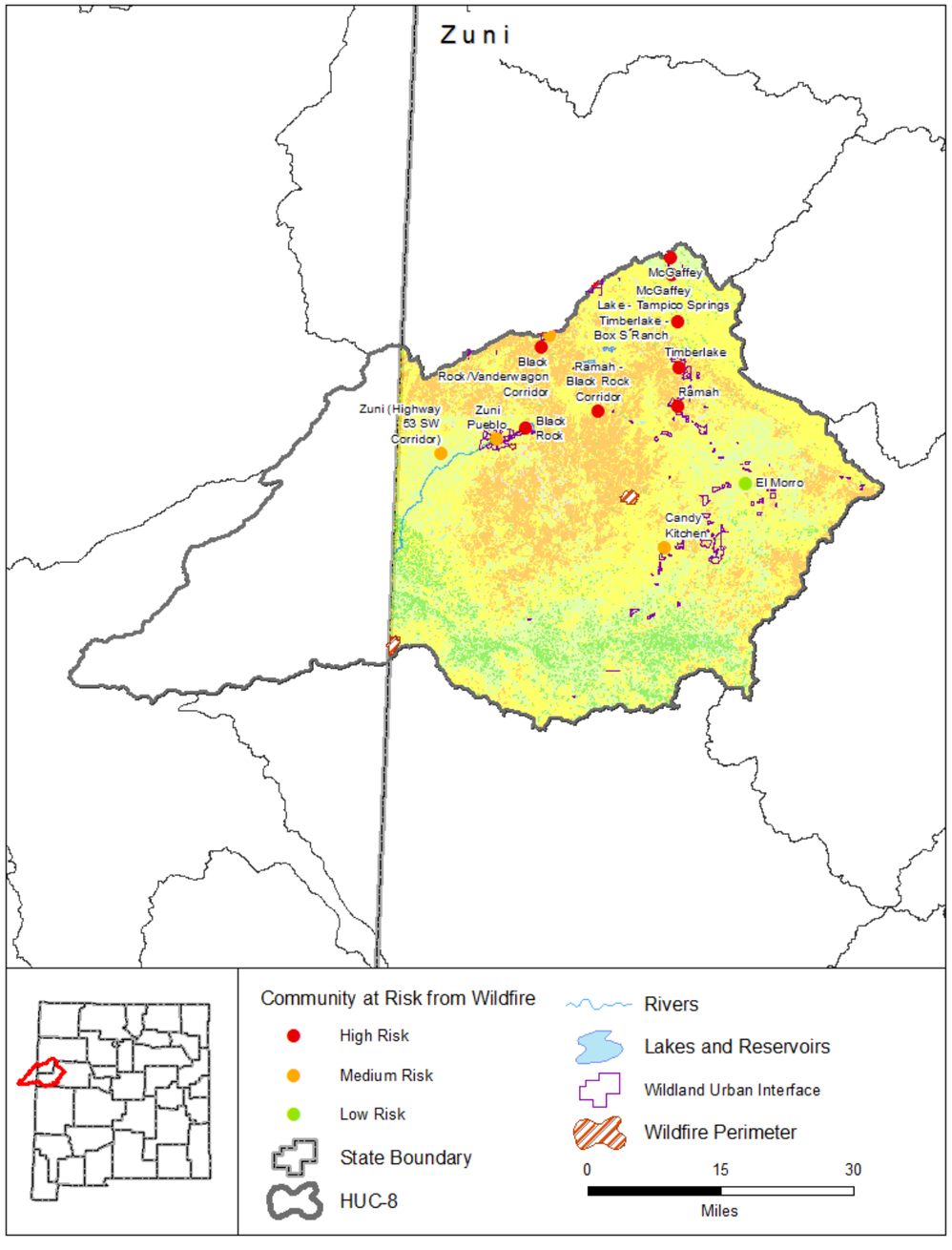
Watershed 15020004

Watershed Characteristics	
Area (sq mi)	2,674
Population in NM	12,366
CNMS Streams (mi)	344
Maximum Elevation (feet)	9,140
Minimum Elevation (feet)	6,047
High Hazard Potential Dams	0
Significant Hazard Potential Dams	0
Low Hazard Potential Dams	0

Ownership	
Percent in New Mexico	73.9 %
Private	37.59 %
State	8.17 %
Tribal	45.68 %
Federal	8.55 %
States	AZ, NM

Flood Maps	
DFIRM Available	Yes
FHBM Available	No

NFIP Statistics	
CID Communities	4
NFIP Communities	3
NFIP Policies	3
Policies within the SFHA	1
Policies outside of the SFHA	2
NFIP Premium Total	$ 4,229
NFIP Claims	0
Claims within the SFHA	0
Claims outside of the SFHA	0
Paid Claims	$ 0
Repetitive Loss Structures	0
Repetitive Loss Claims	0
Rep Loss Structures within SFHA	0
Rep Loss Structures outside SFHA	0
Repetitive Loss Total	$ 0



Zuni

Risk Rank: High

Description

The Zuni watershed is at high risk of wildfire. The communities of Black Rock, Black Rock/Vanderwagon Corridor, McGaffey, McGaffey Lake - Tampico Springs, Ramah, Ramah - Black Rock Corridor, Timberlake, and Timberlake - Box S Ranch were identified as high risk in the local Community Wildfire Protection Plan. A total of 2,671 acres have burned during 4 wildfire events over the last ten years.

Lidar Data Availability

A collection of federal agencies anticipates collecting USGS QL2 lidar for portion of the northeastern corner of the watershed.

Counties

Cibola, McKinley

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Zuni Pueblo

Debris Flow Modeling

None.

Communities at High Risk of Wildland Fire

Black Rock, Black Rock/Vanderwagon Corridor, McGaffey, McGaffey Lake - Tampico Springs, Ramah, Ramah - Black Rock Corridor, Timberlake, Timberlake - Box S Ranch

Watershed 15020004

Watershed Fire Risk	
Risk Level	Percent Watershed Area
Very Low	7%
Low	24%
Moderate	47%
High	20%
Very High	0%
Non-Burnable	1%
Water	0%

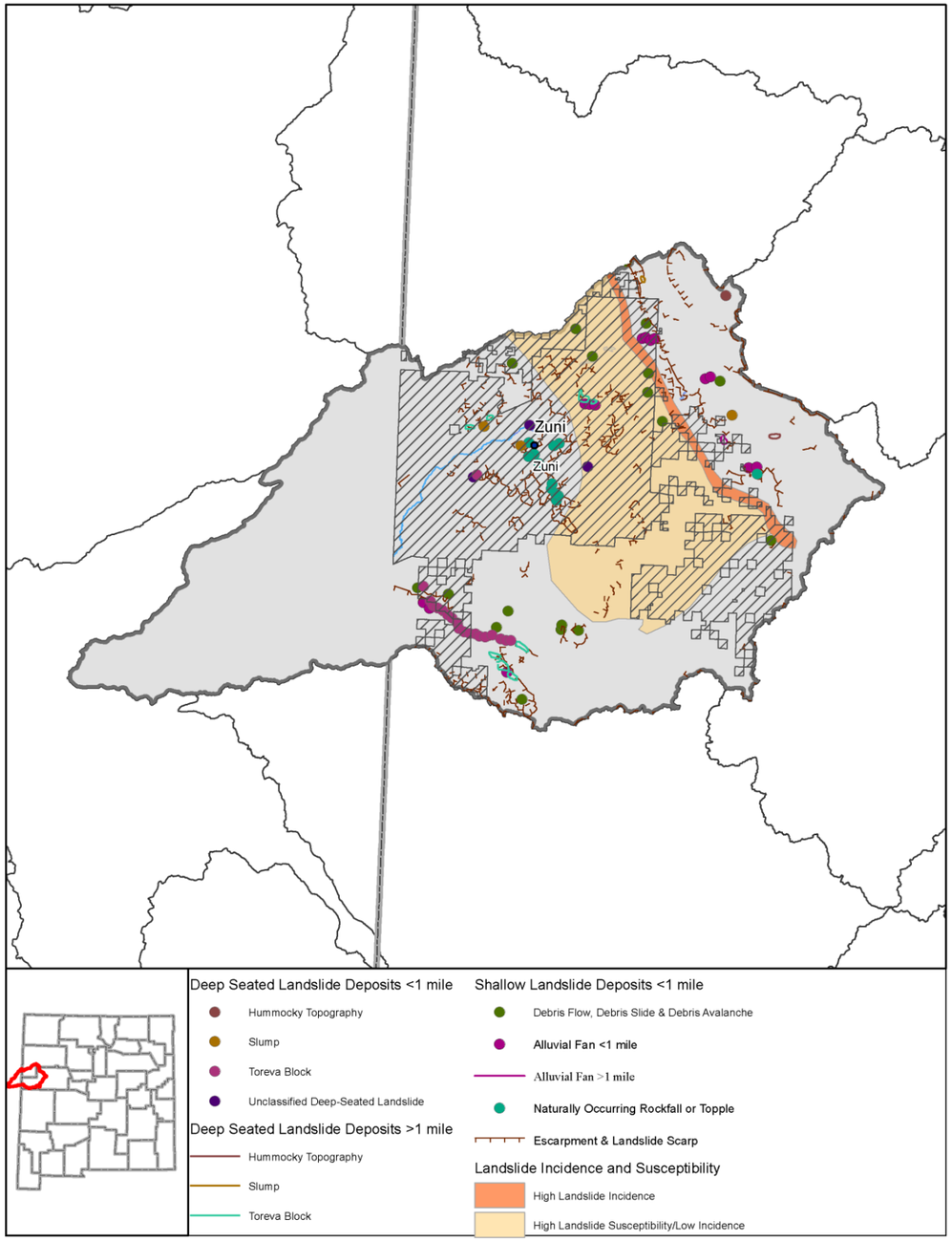
Watershed Characteristics	
Wildfires 2006-2016	4
Acres Burned 2006-2016	2,671

Wildland Urban Interface	
WUI Classification	Percent Watershed Area
Interface	0.01%
Intermix	1.19%
	Acres
Interface	182
Intermix	14,959
WUI Addressed Structures	261

Communities at Risk from Wildland Fire	
High Risk	8
Medium Risk	4
Low Risk	1

Nature Conservancy HUC 12 At-Risk Watersheds Rankings	
High Priority	26
Very High Priority	6

Vegetation Treatments 2006-2016	
Acres Treated	1,280



Zuni

Risk Rank: Medium

Description

The Zuni watershed is at medium risk of landslide processes.

Lidar Data Availability

A coalition of federal agencies collected USGS QL2 Lidar for portion of the northeastern corner of the watershed.

Counties

Cibola, McKinley

Communities

No communities within this watershed.

Tribal Nations

Navajo Nation, Zuni Pueblo

Watershed Landslide Incidence

Incidence	Square Miles	Percent Watershed
Moderate landslide incidence (1.5 - 15% of the area is involved in landsliding)	0	0%
High landslide incidence (> 15% of the area is involved in landsliding)	44	2%
High susceptibility to landsliding and low incidence	529	20%
Total	1976	74%

Watershed 15020004

Rockfalls & Topples	12
Escarpments & Landslide Scarps	232

Shallow Landslide Deposits

Type	Number
Earth Flow & Earth Slump<1mile	0
Earth Flow & Earth Slump>1mile	0
Debris Flow, Debris Slide & Debris Avalanche	17
Alluvial Fan < 1mile	14
Alluvial Fan >1 mile	2
Unclassified Shallow Landslides	0

Deep-Seated Landslide Deposits

Type	Number
Rotational Slides	
Rock Slump, Debris Slum & Earth Slump < 1 mile	3
Rock Slump, Debris Slum & Earth Slump > 1 mile	1
Translational Slides	
Rock Block Slide <1 mile	0
Rock Block Slide >1 mile	0
Rock Slide & Debris Slide <1 mile	0
Rock Slide & Debris Slide >1 mile	0
Unclassified Deep-Seated landslide	
<1 mile	3
>1 mile	0
Hummocky Topography	
<1 mile	1
>1 mile	1
Complex Landslides	
Toreva Block	
<1 mile	19
>1 mile	8
Unclassified Complex Landslide/Slump-Earth Flow	
<1 mile	0
>1 mile	0
Total	314

References

Brabb, Earl E., Colgan, Joseph P., and Best, Timothy C., 1999, Map Showing Inventory and Regional Susceptibility for Holocene Debris Flows, and Related Fast-Moving Landslides in the Conterminous United States: U.S. Geological Survey Miscellaneous Field Studies Map 2329, available at https://pubs.usgs.gov/mf/1999/2329/.

Cardinali, Mauro, Guzzetti, Fausto, and Brabb, Earl E., Preliminary maps showing landslide deposits and related features in New Mexico,1990. USGS Publications Warehouse. Open-File Report 90-293. ttp://pubs.er.usgs.gov/publication/ofr90293

Radbruch-Hall, D.H., R.B. Colton, W.E. Davies, Ivo Lucchitta, B.A. Skipp, and D.J. Varnes, 1982, Landslide Overview Map of the Conterminous United States, Geological Survey Professional Paper 1183, U.S. Geological Survey, Washington. https://landslides.usgs.gov/hazards/nationalmap/

Acknowledgements

Joe Kenmore, Lincoln County

Joseph Zebrowski, New Mexico Highlands University

William Hignight, Village of Corona

Michael Riardan, City of Albuquerque

Michael J. Shriver, Catron County

Cassius Mason, Town of Hagerman

Jim Thomas, Roswell/Chaves

Laura Danielson, Springer

Louis Gordon, City of Clovis

Louie Gallegos, Village of Fort Sumner

Patrick S. Banegas, Hatch

Phillip Burch, Artesia

Stephanie Shumsky, Carlsbad

Edward M. Encinas, Hurley

Charles R. Melaney, Silver City

Arthur Clark Smith, Lordsburg

Johnnie M. White, City of Eunice

Shelia Baker, City of Hobbs

Marilyn J. Burns, Town of Tatum

Nick Pappas, Village of Ruidoso

Steve Dunigan, City of Ruidoso Downs

Burl Smith, Village of Angel Fire

Philip Skinner, Village of Columbus

Javier Reyes, City of Deming

Bryan R. Olguin, Town of Peralta

Dorson Mahooty, City of Gallup

Nancy Beshaler, City of Alamogordo/Otero County

Michael Garcia, Rio Arriba County

Larry C. Valdez, City of Espanola

Joseph D. Benney, Town of Bernalillo

William Homka, City of Aztec

Nica J. Westerling, City of Farmington

Vicki Lucero, Santa Fe County

Risana Zaxus, City of Santa Fe

Donna Sanchez, Sierra County

Delilah Walsh, Socorro County

Mike Czosnek, City of Socorro

Russell Church, Town of Red River

Christina Estrada, Town of Estancia

Ralph Jaramillo, City of Belen

David L. Babb, Logan

Mitchell Daubert, Town of Dexter, New Mexico

Tuck N. Monk, Village of Melrose

Amanda Melvin, Eddy County

Anthony Gutierrez, Grant County

Tim McDonough, Village of Los Ranchos de Albuquerque

Marlin Johnson, Chaves County

Lorenzo Velasquez, Lea County

Alex Tafoya, San Miguel County

Steven J. Guetschow, Torrance County

Loretta K. Hatch, Bosque Farms

Christina Ainsworth, Los Lunas

Tony Boyd, Cibola County

Frances R. Medina, Cibola County

Brian Keller, City of Rio Rancho

Dwaine Solana, Sunland Park

Peter Bennett, City of Las Cruces

J.D. Padilla, City of Las Cruces

Bill Borthwick, NMDHSEM

Wendy Blackwell, NMDHSEM

Stephen Scissons, USACE

Jerry Clark, FEMA Region VI

Susan Rich, EMNRD

Steven Bassett, The Nature Conservancy

Image Credit USACE – Albuquerque District | Cars buried in sediment following a September 2013 flood in Mogollon, NM