

MyHazards and MyPlan

WebApps for Nevada Geohazards

Over 100 hazard layers related to floods, fires, earthquakes, radon, and other supporting reference layers.
Powerful educational and decision-making tools for use on desktop and mobile devices.

| Layers <i>(Layers in italics indicate group layers.)</i> | MyHazards | MyPlan* |
|--|-----------|---------|
|  Floods and Drought | | |
| Landslides - USGS | ✓ | ✓ |
| <i>Rivers and Streams – NBMG</i> | | |
| River_Carson24k | ✓ | ✓ |
| River_Humboldt100k | ✓ | ✓ |
| River_LittleMuddy24k | ✓ | ✓ |
| River_Truckee24k | ✓ | ✓ |
| River_Virgin100k | ✓ | ✓ |
| River_Walker24k | ✓ | ✓ |
| water_feature | ✓ | ✓ |
| <i>Flood Infrastructure – NBMG</i> | | |
| Dams | ✓ | ✓ |
| Reno Irrigation Ditches | ✓ | ✓ |
| National Hydrography Dataset features | ✓ | ✓ |
| <i>Flood Zones (simplified) – FEMA/NBMG</i> | | |
| 100 Year Flood Zones | ✓ | ✓ |
| <i>500 Year Flood Zones</i> | | |
| 0.2% Annual-Chance | ✓ | ✓ |
| Reduced Flood Risk – Levee | ✓ | ✓ |
| Areas of Undetermined Flood Hazard | ✓ | ✓ |
| Flood Zones - FEMA/NFHL | | |
| NFHL Availability | | ✓ |
| LOMRs | | ✓ |
| LOMAs | | ✓ |
| FIRM Panels | | ✓ |
| Base Index | | ✓ |
| PLSS | | ✓ |
| Topological Low Confidence Areas | | ✓ |
| River Mile Markers | | ✓ |
| Datum Conversion Points | | ✓ |
| Coastal Gages | | ✓ |
| Gages | | ✓ |
| Nodes | | ✓ |
| High Water Marks | | ✓ |
| Station Start Points | | ✓ |
| Cross-Sections | | ✓ |
| Coastal Transects | | ✓ |
| Base Flood Elevations | | ✓ |
| Profile Baselines | | ✓ |
| Transect Baselines | | ✓ |
| Limit of Moderate Wave Action | | ✓ |

| | | |
|---|---|---|
| Water Lines | | ✓ |
| Coastal Barrier Resources System Area | | ✓ |
| Political Jurisdictions | | ✓ |
| Levees | | ✓ |
| General Structures | | ✓ |
| Primary Frontal Dunes | | ✓ |
| Hydrologic Reaches | | ✓ |
| Flood Hazard Boundaries | | ✓ |
| Flood Hazard Zones | | ✓ |
| Submittal Information | | ✓ |
| Alluvial Fans | | ✓ |
| Subbasins | | ✓ |
| Water Areas | | ✓ |
| Historical Floods – NBMG | | |
| <i>1997 Flood Boundaries</i> | | |
| Carson River 1997 Flood Extent | ✓ | ✓ |
| Reno 1997 Flood | ✓ | ✓ |
| Walker River 1997 Flood Extent | ✓ | ✓ |
| HAZUS Flood Data – NBMG | | |
| <i>Carson River HAZUS Flood Data</i> | | |
| Carson River Reaches | ✓ | ✓ |
| Carson River HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Carson River HAZUS Flood Depth | ✓ | ✓ |
| <i>Colorado River HAZUS Flood Data</i> | | |
| Carson River HAZUS Reaches | ✓ | ✓ |
| Carson River HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Carson River HAZUS Flood Depth | ✓ | ✓ |
| <i>Humboldt River HAZUS Flood Data</i> | | |
| <i>Humboldt East HAZUS Data</i> | | |
| Humboldt River East HAZUS Reaches | ✓ | ✓ |
| Humboldt River East HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Humboldt River East HAZUS Flood Depth | ✓ | ✓ |
| <i>Humboldt West HAZUS Data</i> | | |
| Humboldt River West HAZUS Reaches | ✓ | ✓ |
| Humboldt River West HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Humboldt River West HAZUS Flood Depth | ✓ | ✓ |
| <i>Muddy River HAZUS Flood Data</i> | | |
| Muddy River HAZUS Reaches | ✓ | ✓ |
| Muddy River North HAZUS Flood Depth | ✓ | ✓ |
| Muddy River South HAZUS Flood Depth | ✓ | ✓ |
| Muddy River North HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Muddy River South HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| <i>Truckee River HAZUS Flood Data</i> | | |
| Truckee River HAZUS Reaches | ✓ | ✓ |
| Truckee River HAZUS Reaches | ✓ | ✓ |
| Truckee River HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Truckee River HAZUS Flood Depth | ✓ | ✓ |
| <i>Virgin River HAZUS Flood Data</i> | | |
| Virgin River HAZUS Reaches | ✓ | ✓ |

| | | |
|---|---|---|
| Virgin River HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Virgin River HAZUS Flood Depth | ✓ | ✓ |
| <i>Walker River HAZUS Flood Data</i> | | |
| Walker River HAZUS Reaches | ✓ | ✓ |
| Walker River HAZUS Reaches | ✓ | ✓ |
| Walker River HAZUS Flood 100 yr Boundary | ✓ | ✓ |
| Walker River HAZUS Flood Depth | ✓ | ✓ |
| <i>Drought Monitor – USDM/NBMG</i> | | |
| Drought Intensity – May 2018 | ✓ | ✓ |
| Drought Intensity – April 2018 | ✓ | ✓ |
| Drought Intensity – March 2018 | ✓ | ✓ |
| Drought Intensity – February 2018 | ✓ | ✓ |
| Drought Intensity – January 2018 | ✓ | ✓ |
| Drought Intensity – December 2017 | ✓ | ✓ |
| Drought Intensity – November 2017 | ✓ | ✓ |
| Drought Intensity – October 2017 | ✓ | ✓ |
| Drought Intensity – September 2017 | ✓ | ✓ |
| Drought Intensity – August 2017 | ✓ | ✓ |
| Drought Intensity – July 2017 | ✓ | ✓ |
| Drought Intensity – June 2017 | ✓ | ✓ |
| Drought Intensity – May 2017 | ✓ | ✓ |
| Drought Intensity – April 2017 | ✓ | ✓ |
| <i>Weather Watches and Warnings (live feed) – NOAA</i> | | |
| CurrentWarnings | ✓ | ✓ |
| WatchesWarnings | ✓ | ✓ |
| <i>RIDGE Radar (live feed) – NOAA</i> | | |
| <i>RIDGE 1x1 km Base Reflectivity</i> | | |
| Boundary | ✓ | ✓ |
| Label | ✓ | ✓ |
| Image | ✓ | ✓ |

Fires

| | | |
|--|---|---|
| Current Wildfire Perimeters (live feed) – NHSS | ✓ | ✓ |
| Current Wildfire Locations (live feed) – NHSS | ✓ | ✓ |
| <i>Fire Damage - NBMG</i> | | |
| Caughlin_Fires | | ✓ |
| Washoe_Fires | | ✓ |
| <i>Past Burned Areas – NBMG</i> | | |
| 2017 fires | ✓ | ✓ |
| 2016 fires | ✓ | ✓ |
| 2015 fires | ✓ | ✓ |
| 2014 fires | ✓ | ✓ |
| 2013 fires | ✓ | ✓ |
| 2012 fires | ✓ | ✓ |
| 2011 fires | ✓ | ✓ |
| 2010 fires | ✓ | ✓ |
| 2009 fires | ✓ | ✓ |
| 2008 fires | ✓ | ✓ |
| 2007 fires | ✓ | ✓ |

| | | |
|-------------------|---|---|
| 2006 fires | ✓ | ✓ |
| 2005 fires | ✓ | ✓ |
| 2004 fires | ✓ | ✓ |
| 2003 fires | ✓ | ✓ |
| 2002 fires | ✓ | ✓ |
| 2001 fires | ✓ | ✓ |
| 2000 fires | ✓ | ✓ |
| Fires 1910 - 1999 | ✓ | ✓ |

Earthquakes

| | | |
|---|---|---|
| Recent Seismic Events - USGS | ✓ | ✓ |
| Earthquakes – NBMG/NSL | | |
| Magnitude greater than 7.00 | ✓ | ✓ |
| Magnitude 6.00 – 6.99 | ✓ | ✓ |
| Magnitude 5.00 – 5.99 | ✓ | ✓ |
| Magnitude 4.00 – 4.99 | ✓ | ✓ |
| Magnitude 3.00 – 3.99 | ✓ | ✓ |
| Magnitude 2.00 – 2.99 | ✓ | ✓ |
| Magnitude 1.00 – 1.99 | ✓ | ✓ |
| Magnitude less than 0.99 | ✓ | ✓ |
| Earthquake HAZUS Results – NBMG | | |
| HAZUS Results by Community | ✓ | ✓ |
| Unreinforced Masonry (URM) Buildings – NBMG | | |
| Virginia City URM | | ✓ |
| State URM Buildings | | ✓ |
| Commercial Masonry | | ✓ |
| Residential Masonry | | ✓ |
| Holocene Volcanoes (live feed) – GVP | | |
| Last Known Eruption | ✓ | ✓ |
| Quaternary Faults – NBMG | | |
| Historical Ruptures | ✓ | ✓ |
| Quaternary Faults by Age | ✓ | ✓ |
| 100m Buffer | | |
| Historical Ruptures – 100m Buffer | ✓ | ✓ |
| Quaternary Faults by Age – 100m Buffer | ✓ | ✓ |
| National Seismic Hazard Map (PGA) – USGS; 2014 simplified peak ground acceleration 2% non-exceedance in 50 years | | |
| PGA Ground Motion | ✓ | ✓ |

Radon

| | | |
|---|---|---|
| Geologic units with possible radon risk - NBMG | | |
| Possible Radon Risk | ✓ | ✓ |
| Radon Potential – NBMG | | |
| 0% | ✓ | ✓ |
| 0.1% - 9.9% | ✓ | ✓ |
| 10% - 19.9% | ✓ | ✓ |
| 20% - 100% | ✓ | ✓ |
| Radon Average – NBMG | | |
| 0.00 – 1.99 pCi/l | ✓ | ✓ |

2.00 – 3.99 pCi/l
 4.00 – 16.53 pCi/l

✓
 ✓

✓
 ✓



Reference data

2015 Census Tracts (live feed) – U.S. Census Bureau (zoom in)

✓

✓

Utilities - NBMG

Electrical Power Facility

✓

Natural Gas Facility

✓

Oil Facility

✓

Potable Water Facility

✓

Waste Water Facility

✓

Hazmat

✓

Gas Pipeline

✓

Oil Pipeline

✓

Transmission Lines

✓

Essential Facilities - NBMG

Emergency Centers

✓

Health Care

✓

Police Station

✓

Schools

✓

Communication Facility

✓

Fire Station

✓

Disaster Declared Counties - FEMA

✓

✓

Historical Disaster Declarations - FEMA

Frequency of FEMA Pres. Disaster Declarations (1964-2016)

✓

✓

Frequency of FEMA Pres. Disaster Declarations (2000-2016)

✓

✓

Drought Declarations (1964-2016)

✓

✓

Fire Declarations (1964-2016)

✓

✓

Flood Declarations (1964-2016)

✓

✓

Hurricane Declarations (1964-2016)

✓

✓

Severe Storm Declarations (1964-2016)

✓

✓

Snow/Ice/Freeze Declarations (1964-2016)

✓

✓

Tornado Declarations (1964-2016)

✓

✓

Nevada Geology – NBMG

Nevada_500k_Anno

✓

✓

Nevada_500k_Contacts

✓

✓

Nevada_500k_Faults

✓

✓

Nevada_500k_Geologic_Unit

✓

✓

Land Ownership – BLM/NBMG/Other

Conservation Areas

✓

✓

Wilderness Areas

✓

✓

Other Areas

✓

✓

Parks Services

✓

✓

BLM

✓

✓

Sage Grouse Habitat - BLM

Sagebrush Focal Areas

✓

✓

Greater Sage Grouse Habitat

✓

✓

Greater Sage Grouse Planning Area

✓

✓

*Requires login. Login access is coordinated through NDEM/NBMG, and you must be an approved user (i.e., emergency managers, etc.).

<https://gisweb.unr.edu/MyHazards> | <https://gisweb.unr.edu/MyPlan>

Powered by the Nevada Bureau of Mines and Geology

University of Nevada, Reno

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