

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		
Current Flooding Events (live feed) – NHSS	✓	✓
<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	✓	✓
<i>Flood Zones - FEMA/NFHL</i>		
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	✓	✓
Drought Monitor – USDM/NBMG		
Drought Intensity – October 2016	✓	✓
Drought Intensity – September 2016	✓	✓
Drought Intensity – August 2016	✓	✓
Drought Intensity – July 2016	✓	✓
Drought Intensity – June 2016	✓	✓
Drought Intensity – May 2016	✓	✓
Weather Watches and Warnings (live feed) – NOAA		
CurrentWarnings	✓	✓
WatchesWarnings	✓	✓
RIDGE Radar (live feed) – NOAA		
<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		✓
Past Burned Areas – NBMG		
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	✓	✓

Earthquakes

Recent Earthquakes (live feed) – NHSS	✓	✓
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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	✓	✓
<i>Earthquake HAZUS Results – NBMG</i>		
HAZUS Results by Community	✓	✓
<i>Unreinforced Masonry (URM) Buildings – NBMG</i>		
EMC Provided URM		✓
State URM Buildings		✓
Commercial Masonry		✓
Residential Masonry		✓
<i>Holocene Volcanoes (live feed) – GVP</i>		
Last Known Eruption	✓	✓
<i>Quaternary Faults – NBMG</i>		
Historical Ruptures	✓	✓
Quaternary Faults by Age	✓	✓
100m Buffer		
Historical Ruptures – 100m Buffer	✓	✓
Quaternary Faults by Age – 100m Buffer	✓	✓
<i>National Seismic Hazard Map (PGA) – USGS; 2014 simplified peak ground acceleration 2% non-exceedance in 50 years</i>		
PGA Ground Motion	✓	✓

 **Radon**

<i>Geologic units with possible radon risk - NBMG</i>		
Possible Radon Risk	✓	✓
<i>Radon Potential – NBMG</i>		
0%	✓	✓
0.1% - 9.9%	✓	✓
10% - 19.9%	✓	✓
20% - 100%	✓	✓
<i>Radon Average – NBMG</i>		
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)	✓	✓
<i>Utilities - NBMG</i>		
Electrical Power Facility		✓
Natural Gas Facility		✓
Oil Facility		✓
Potable Water Facility		✓
Waste Water Facility		✓

Hazmat		✓
Gas Pipeline		✓
Oil Pipeline		✓
Transmission Lines		✓
<i>Essential Facilities - NBMG</i>		
Emergency Centers		✓
Health Care		✓
Police Station		✓
Schools		✓
Communication Facility		✓
Fire Station		✓
Disaster Damage (live feed) – HUD	✓	✓
Disaster Declarations (live feed) – HUD	✓	✓
<i>Nevada Geology – NBMG</i>		
Nevada_500k_Anno	✓	✓
Nevada_500k_Contacts	✓	✓
Nevada_500k_Faults	✓	✓
Nevada_500k_Geologic_Unit	✓	✓
<i>Land Ownership – BLM/NBMG/Other</i>		
Conservation Areas	✓	✓
Wilderness Areas	✓	✓
Other Areas	✓	✓
Parks Services	✓	✓
BLM	✓	✓
<i>Sage Grouse Habitat - BLM</i>		
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>

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University of Nevada, Reno

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