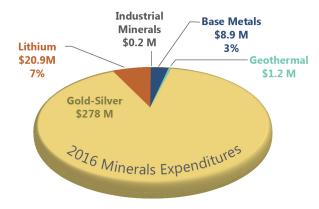
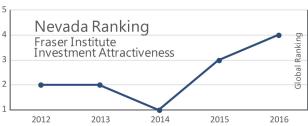
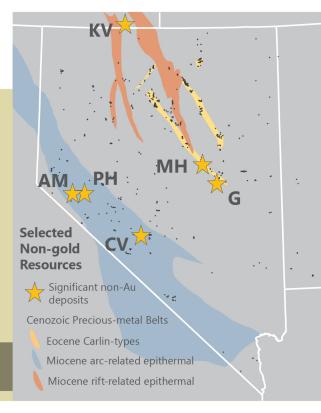
07/08/2007

Exploration roads and historic mines, Humboldt Range.

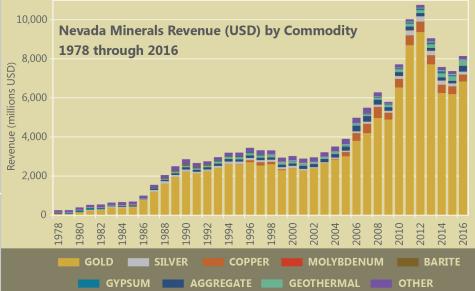






NEVADAStake Your Claim

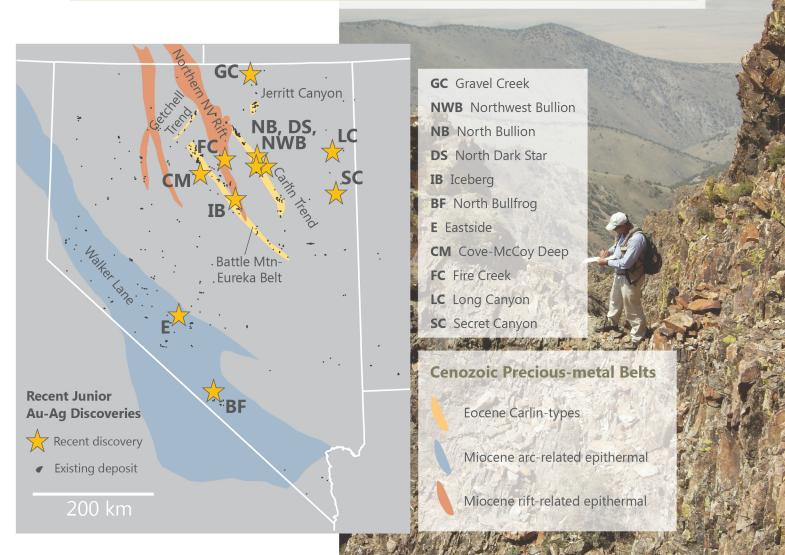
- ► Fraser Institute Survey 2016 ranks Nevada 4th among 104 jurisdictions globally for **Investment Attractiveness** (combines exploration potential with favorable regulations)
- Nevada consistently ranks in the top 10 worldwide in the Fraser Investment Attractiveness Index:
 - 2015: 3rd of 109; 2014: 1st of 122; 2013: 2nd of 96; 2012: 2nd of 112
- Nevada captured 47% of the U.S. total non-ferrous exploration budget in 2016 (S&P Global)
- What Nevada produced in 2016:
 - **Gold: 5.47 Moz** (\$6.84B USD) #1 in U.S. (81% of U.S. production), and #4 in the world behind only China, Australia, and Russia
 - Other commodities in order of value: Copper, Silver, Geothermal Energy, Aggregates, Diatomite, Limestone, Gypsum, Lithium, Barite, Silica, Specialty Clays, Molybdenite
 - Nevada is the only US producer of Li, and is a leading producer of Ag, Cu, geothermal energy, barite, & diatomite
- ▶ Nevada gold production since Carlin mine start-up in 1965: **199.5 million troy ounces**; highest production of any regional jurisdiction or province during the past half century.
- At least \$325 M was spent on exploration in Nevada in 2016, down from a peak of \$675 M in 2011 (Sources: NDOM/NBMG exploration surveys 2011, 2015/2016); outlook was for increased spending in 2017
- ► Significant non-gold resources include (lower left map figure):
 - Clayton Valley (**CV**) lithium brine operations (Albermarle Corp.)
 - Kings Valley (**KV**) lithium clay deposit (Lithium Americas Corp.)
 - Mount Hope (**MH**) Climax-type porphyry Mo (General Moly Inc.)
 - Pumpkin Hollow (PH) copper skarn (Nevada Copper Corp.)
 - Ann-Mason (AM) copper porphyry (Mason Resources)
 - Gibellini (G) black shale-hosted vanadium (Prophecy Development Corp)



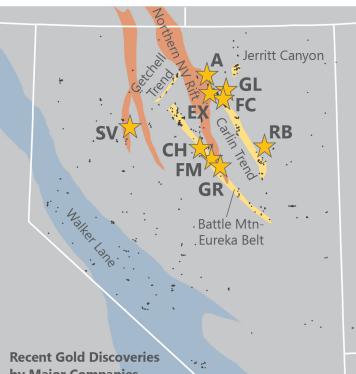


Significant Junior Gold-Silver Discoveries, 2000–2017

2017	NW Bullion, Gold Standard, grassroots discovery in early exploration-stage
2016	North Dark Star, Gold Standard, brownfields discovery, in advanced exploration
2015	Secret Canyon, Pilot Gold, brownfields discovery, in advanced exploration
2013	Gravel Creek, Western Exploration, grassroots discovery in advanced exploration
2012	Iceberg, NuLegacy, grassroots discovery in early exploration-stage
2011–2013	North Bullfrog, Corvus Gold, grassroots discovery in advanced exploration
2011–2013	Eastside, Columbus Gold (Cordex), grassroots discovery in advanced exploration
2010	North Bullion, Gold Standard, grassroots discovery in advanced exploration
2006	Cove-McCoy Deep, Victoria Resources, brownfields discovery in advanced exploration
2004	Fire Creek, Klondex, grassroots discovery; active underground mine
2000	Long Canyon, Pittston, grassroots discovery; active open pit (Newmont)



NEVADA Golden Opportunity



FM Fourmile

FC Fence Corridor

GR Goldrush

GL Greater Leeville

RB Redbird

A Arturo

EX Exodus Corridor

CH Cortez Hills

SV Spring Valley

Cenozoic Precious-metal Belts



Eocene Carlin-type and related Au



Miocene arc-related epithermal



Miocene rift-related epithermal

by Major Companies



Recent discovery

Existing deposit

Brownfields Gold Discoveries by Majors, 2000–2017

2015	Fourmile, Barrick, exploration-stage; no published resource yet
2013	Fence Corridor U.G., Newmont, u.g. development, +5Moz production + resource
2011	Goldrush, Barrick, u.g. development, 15.9 Moz resource
2009–2011	Greater Leeville, Newmont, active u.g. mines, ~16 Moz production + resource
2007	Redbird deposit, Bald Mountain district, Barrick, active pit
2005	Arturo, Barrick, active pit, 4.5 Moz production + resource
2003	Exodus Corridor, Newmont, active u.g. mine, +3 Moz production + resource
2002–2003	Cortez Hills, Placer Dome, active pit/u.g., ~13 Moz production + resource
2000	Spring Valley, Echo Bay, grassroots discovery; 4.2 Moz resource, advanced exploration

DATA MINING for Explorationists

Nevada State Resources

- Nevada Division of Minerals (NDOM): agency tasked to encourage responsible exploration and extraction of natural resources. Responsibilities include permitting and monitoring of natural resource activities, natural resource policy advisement, abandoned mine hazard awareness, education, and mining production and claims statistics; general information on mining and exploration: http://minerals.nv.gov
- Nevada Bureau of Mines and Geology (NBMG; Nevada's geological survey): minerals research, geologic mapping, mineral industry annual reports, exploration surveys, regional and district bulletins and reports, web-based GIS maps, mining district files, exploration sample repository: https://nbmg.unr.edu
- Governor's Office of Economic Development (GoED): https://.pubs.er.usgs.gov

Exploration and Mining Organizations

- ▶ Geological Society of Nevada (GSN): publications, meetings, symposia, field trips focused on geology of Nevada, especially as it pertains to natural resources; chapters in Reno, Las Vegas, Elko, and Winnemucca: http://.gsnv.org
- Nevada Minerals Exploration Coalition (NMEC): advocacy group for Nevada exploration through public discourse, education, and government interaction: https://nvmec.org
- Nevada Mining Association (NMA): helping to support and sustain the mining industry in Nevada through policy forums and education: http://nevadamining.org/

Academic Departments

- ▶ Ralph J. Roberts Center for Research in Economic Geology (CREG), University of Nevada, Reno: graduate research in economic geology with a focus on the Great Basin: http://nbmg.unr.edu/CREG/
- ▶ University of Nevada, Reno W.M. Keck Earth Sciences and Mining Research: http://keck.library.unr.edu

noma Nevada Bureau

Federal Agencies

▶ **Bureau of Land Management**: https://www.blm.gov/programs/energy-and-minerals/mining-and-minerals/about/Nevada; claim staking: https://blm.gov/programs/energy-and-minerals/mining-and-minerals/mining-claims; BLM LR-2000 claim status online: https://reports.blm.gov/reports.cfm?application=LR2000



of Mines and Geology University of Nevada, Reno









