

Major Mines of Nevada 2024

Mineral Industries in
Nevada's Economy



NEVADA
DIVISION OF
MINERALS



University of Nevada, Reno



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By Rob Ghiglieri and Lucia Patterson
Nevada Division of Minerals



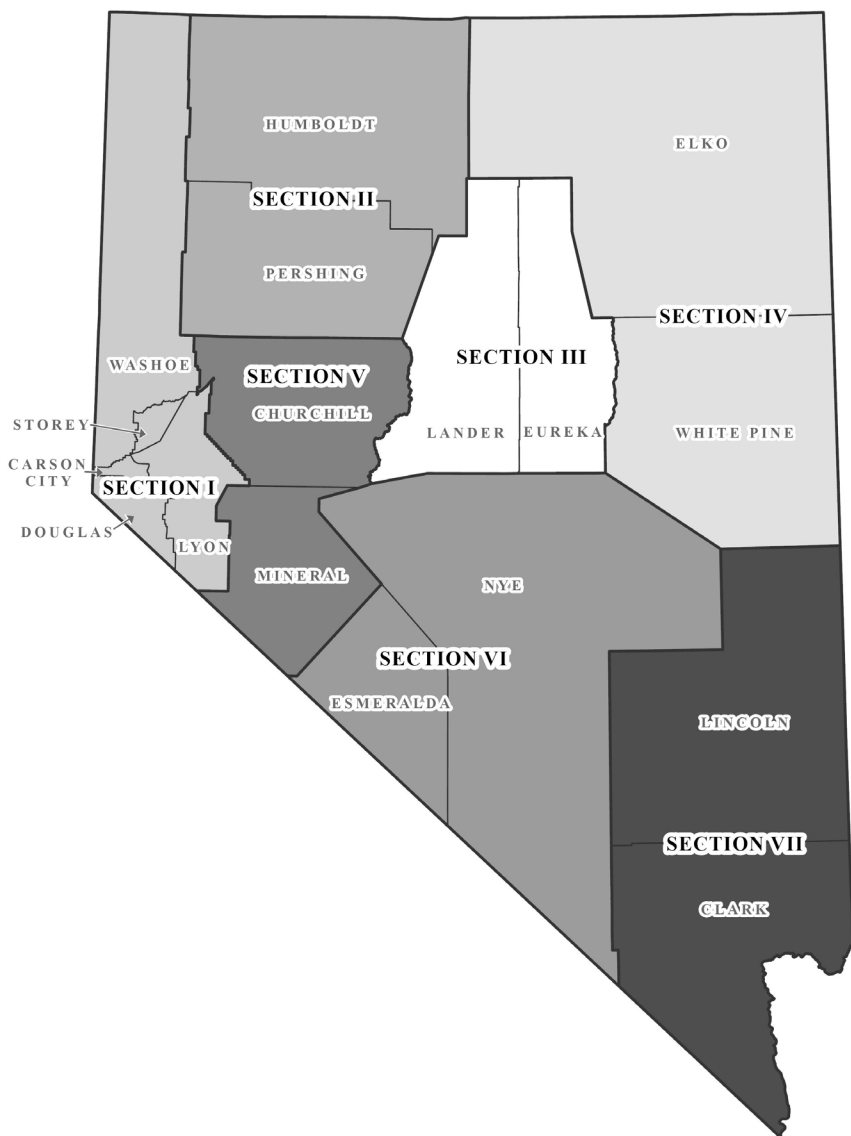
2025

This is the thirty-sixth of an annual series of summary reports on major mines of Nevada. Aggregate operations are not included. Information on employment and production for the calendar year 2024 was provided by individual mine, oil field, and geothermal plant operators. The Nevada Division of Minerals maintains a complete register of Nevada mines. For further information, contact them at 400 W. King, Suite 106, Carson City, Nevada 89703 or call (775) 684-7040, email ndom@minerals.nv.gov, or visit their Web site at <https://minerals.nv.gov>.

College of Science
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Major mines, oil fields, and geothermal power plants, 2024 (centerfold map)

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Section I

Lyon County

Adams Claim Gypsum Mine (1)

Operator:

Art Wilson Co.
P.O. Box 20160
Carson City, NV 89721
775-882-0700

Company employees: 30

Production:

Gypsum - 182,001 tons

Ludwig Mine (2)

Operator:

Art Wilson Co.
P.O. Box 20160
Carson City, NV 89721
775-882-0700

Company employees: 1

Production:

Gypsum -

No mining occurred in 2024

NCC Fernley Operations (3)

Operator:

Nevada Cement Co.
1290 West Main Street
Fernley, NV 89408
775-575-4188

Company employees: 118

Contract employees: 2

Production:

Limestone - 18,459 tons

NCC Mustache Mine (4)

Operator:

Nevada Cement Co.
1290 West Main Street
Fernley, NV 89408
775-575-4188

Company employees: 2

Contract employees: 2

Production:

Pozzolan - 33,605 tons

Pumpkin Hollow (5)

Operator:

Southwest Critical Materials, LLC
61 East Pursel Ln.
Yerington, NV 89447
775-463-3510

Company employees: 49

Production:

Copper - 2,659,758 pounds

Gold - 436 oz

Silver - 13,781 oz

Storey County

Clark Mine (6)

Operator:

US Silica
640 Clark Station Rd.
Sparks, NV 89434
775-824-7600

Company employees: 71

Contract employees: 2

Production:

Diatomite - 21,612 tons

Washoe County

NCC Flanigan Mine (7)

Operator:

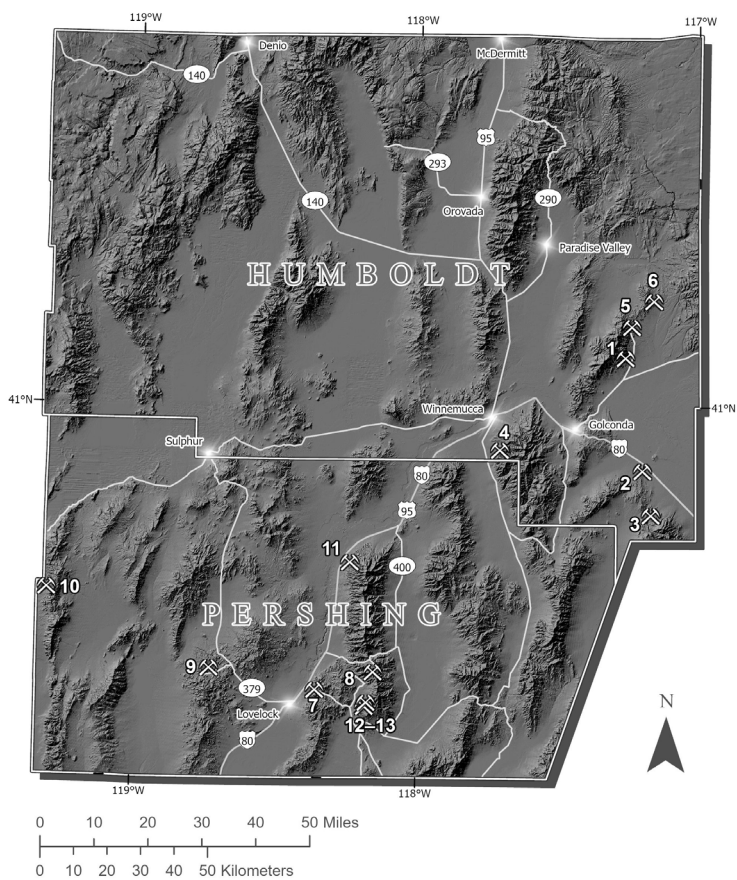
Nevada Cement Co.
1290 West Main Street
Fernley, NV 89408
775-575-4188

Company employees: 2

Contract employees: 2

Production:

Specialty Clay - 20,048 tons



Section II

Humboldt County

Granite Creek (1)

Operator:

i80 Gold Corp.
6750 Getchell Mine Road
Golconda, NV 89414
775-525-6450

Company employees: 14

Contract employees: 100

Production:

Gold - 38,000 oz

Lone Tree Complex (2)

Operator:

i80 Gold Corp.
5190 Neil Road, Suite 460
Reno, NV 89502
775-525-6450

Company employees: 20

Contract employees: 0

Production:

Gold - 6,200 oz

Marigold Mine (3)

Operator:

SSR Mining
P.O. Box 160
Valmy, NV 89438
775-502-4800

Company employees: 486

Contract employees: 23

Production:

Gold - 168,262 oz

Silver - 5,059 oz

MIN-AD Mine (4)

Operator:

MIN-AD, Inc.
P.O. Box 39
Winnemucca, NV 89446
775-623-5944

Company employees: 12

Production:

Dolomite - 59,292 tons

Turquoise Ridge Underground Mine (5) & Twin Creeks Open Pit (6)

Operator:

Nevada Gold Mines, LLC
2055 Getchell Mine Road
Golconda, NV 89414
775-388-1551

Company employees: 888

Production:

Gold - 494,241oz

Silver - 112,815 oz

Pershing County

Buff/Satin Mine (7)

Operator:

Vanderbilt Minerals, LLC
P.O. Box 6660
Pahrump, NV 89041
775-253-0064

Company employees: 2

Production:

Specialty Clay -
No mining occurred in 2024

Coeur Rochester Mine (8)

Operator:

Coeur Rochester, Inc.
P.O. Box 1057
Lovelock, NV 89419
775-273-7995
Company employees: 431
Contract employees: 40

Production:

Gold - 39,203 oz
Silver - 4,377,847 oz

Colado Mine (9)

Operator:

US Silica
P.O. Box 959
Lovelock, NV 89419
775-824-7600
Company employees: 38

Production:

Diatomite - 112,951 tons

Empire Gypsum Mine (10)

Operator:

Empire Mining Co., LLC
P.O. Box 157
Gerlach, NV 89412
775-800-4569
Company employees: 60
Contract employees: 2

Production:

Gypsum - 424,329 tons

Florida Canyon Mine (11)

Operator:

Florida Canyon Mining, Inc.
Argonaut Gold
P.O. Box 330
Imlay, NV 89418
775-259-4579

Company employees: 270

Contract employees: 39

Production:

Gold - 74,726 oz
Silver - 69,308 oz

Relief Canyon (12)

Operator:

Gold Acquisition Corp.
P.O. Box 1033
Lovelock, NV 89419
775-273-7019

Company employees: 10

Production:

Gold-
No mining occurred in 2024

Relief Canyon Limestone Quarry (13)

Operator:

Nevada Cement Company
1290 West Main Street
Fernley, NV 89408
775-575-4188

Company employees: 2

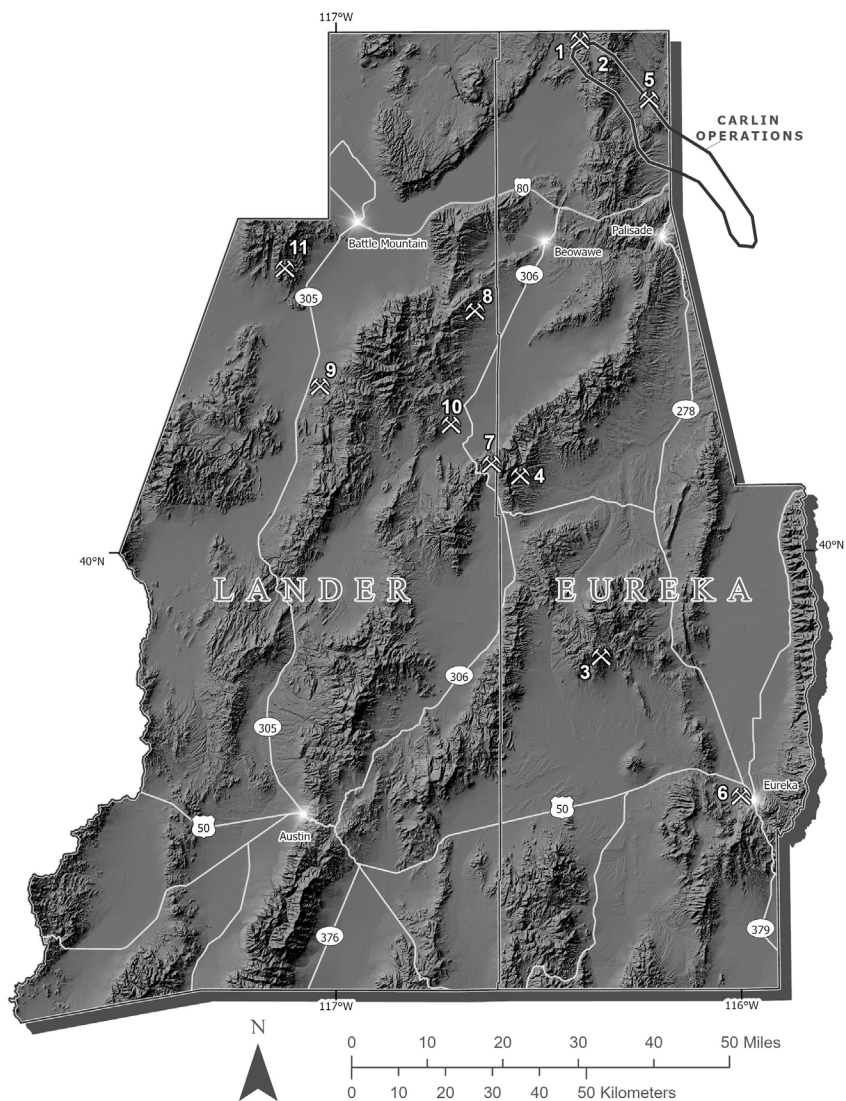
Contract employees: 18

Production:

Limestone - 83,716 tons



*Florida Canyon - gold mine
Pershing County (Florida Canyon, An Integra Company photo)*



Section III

Eureka County

Betze-Post Mine (1)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-748-1001

Company employees: 453

Production:

Gold - 191,101 oz
Silver - 10,308 oz

Eastern Nevada Operations (2) (Carlin Operations)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-748-1001

Company employees: 1,437

Production:

Gold - 786,129 oz
Silver - 33,497 oz

Gold Bar Mine (3)

Operator:

McEwen Mining Nevada, Inc.
2215 N. 5th Street
Elko, NV 89801
775-229-4664

Company employees: 100

Contract employees: 95

Production:

Gold - 44,574 oz
Silver - 547 oz

Goldrush (4)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-468-4401

Company employees: 255

Contract employees: 104

Production:

Gold - 130,485 oz

Maggie Creek Operation (5)

Operator:

Progressive Contracting, Inc.
P.O. Box 1930
St. George, UT 84771
435-628-6662

Company employees: 0

Production:

Barite -

No mining occurred in 2024

Ruby Hill Mine (6)

Operator:

i-80 Gold Corp.
P.O. Box 676
Eureka, NV 89316
775-525-6450

Company employees: 20

Production:

Gold - 3,200 oz
Silver - 4,800 oz

Lander County

Cortez Hills Underground Mine (7)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-468-4401

Company employees: 337

Contract employees: 126

Production:

(underground only, excluding the open pit)

Gold - 280,345 oz

Silver - 51,076 oz

Fire Creek Mine (8)

Operator:

Klondex Gold and Silver Mining Co.
(Hecla Mining Co.)
4000 W. Winnemucca Blvd.
Winnemucca, NV 89445
775-530-0780

Company employees: 2

Production:

Gold -

No mining occurred in 2024

Mountain Springs Mine (9)

Operator:

M-I LLC
P.O. Box 370
2 North Second Street
Battle Mountain, NV 89820
775-635-5135

Company employees: 34

Production:

Barite - 107,718 tons

Pipeline Mine (10)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-468-4401

Company employees: 744

Contract employees: 188

Production:

(includes the Cortez Hills open pit)

Gold - 306,124 oz

Silver - 39,873 oz

Phoenix Mine (11)

Operator:

Nevada Gold Mines
P.O. Box 1657
Battle Mountain, NV 89820
775-635-4281

Company employees: 488

Contract employees: 372

Production:

Gold - 127,118 oz

Silver - 443,404 oz

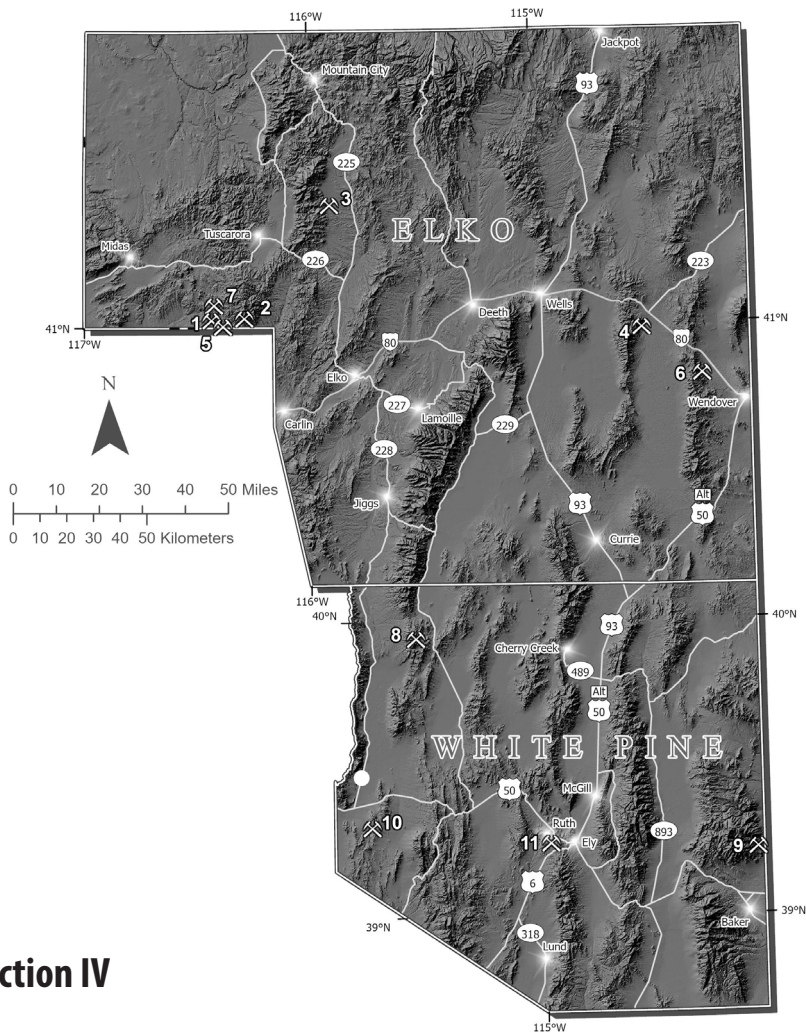
Copper - 18,955,626 pounds



*Adams Claim - gypsum mine,
Lyon County (Art Wilson Co. photo)*



*Marigold - gold mine,
Humboldt County (SSR Mining Inc. photo)*



Section IV

Elko County

Arturo Mine (1)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-748-1001

Company employees: 53

Production:

Gold - 61,718 oz
Silver - 30,882 oz

Coyote Mine (2)

Operator:

Progressive Contracting, Inc.
P.O. Box 1930
St. George, UT 84771
435-628-6662

Company employees: 7

Production:

Barite - 70,000 tons

Elko and White Pine continued on page 15
after the centerfold.

Section IV (continued)

Jerritt Canyon Mine (3)

Operator:

First Majestic Silver
P.O. Box 2778
Elko, NV 89803
775-788-7266

Company employees: 0

Production:

Gold - 2,331 oz

Long Canyon Mine (4)

Operator:

Nevada Gold Mines, LLC
688 Johnson Ranch Rd.
Oasis, NV 89835
775-748-1001

Company employees: 15

Contract employees: 27

Production:

Gold - 8,839 oz

Silver - 622 oz

Meikle Mine (5)

Operator:

Nevada Gold Mines, LLC
1655 Mountain City Highway
Elko, NV 89801
775-748-1001

Company employees: 509

Production:

Gold - 226,846 oz

Silver - 12,236 oz

Pilot Peak Quarry (6)

Operator:

Graymont
P.O. Box 2520
West Wendover, NV 89883
775-483-5460

Company employees: 75

Production:

Limestone - 1,196,000 tons

Rossi Mine (7)

Operator:

Halliburton Energy Services
912 Dunphy Ranch Rd.
Battle Mountain, NV 89820
775-385-0874

Company employees: 11

Contract employees: 15

Production:

Barite - 246,290 tons

White Pine County

Bald Mountain Mine North & South Operations (8)

Operator:

KG Mining (Bald Mountain), Inc.
Kinross Gold Corp.
435 Jiggs Hwy., Unit 16
Spring Creek, NV 89815
775-237-5911

Company employees: 56

Contract employees: 102

Production:

Gold - 180,660 oz

Silver - 32,573 oz

Mt. Moriah Quarry (9)

Operator:

Mt. Moriah Stone
#10 Hatch Rock Road
P.O. Box 70
Baker, NV 89311
775-299-9369

Company employees: 10

Production:

Quartzite - 3,362 tons

Pan Mine (10)

Operator:

GRP Pan, LLC
(Calibre Mining Corp.)
8989 West U.S. Highway 50
Ely, NV 89301
775-386-1900

Company employees: 63

Contract employees: 135

Production:

Gold - 35,267 oz

Silver - 1,171 oz

Robinson Mine (11)

Operator:

KGHM International, Ltd.
4342 W. White Pine County Road 44
Ruth, NV 89319
775-289-7000

Company employees: 615

Production:

Copper - 123,263,542 pounds

Gold - 45,141 oz

Silver 80,843 oz

Molybdenite - 138,195 pounds



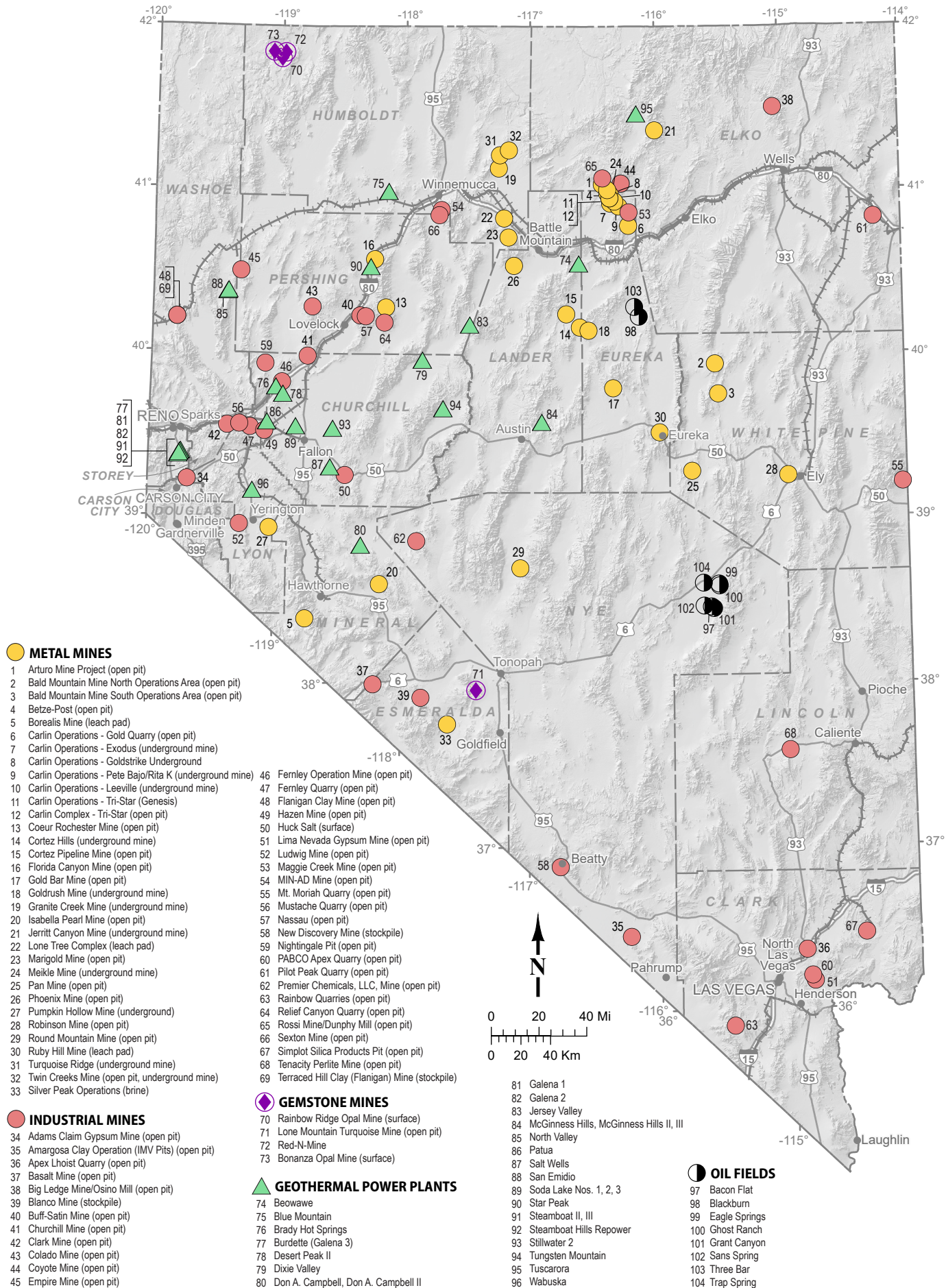
*Commission on Mineral Resources Cortez Underground - gold mine,
Lander County (Rob Ghiglieri photo)*



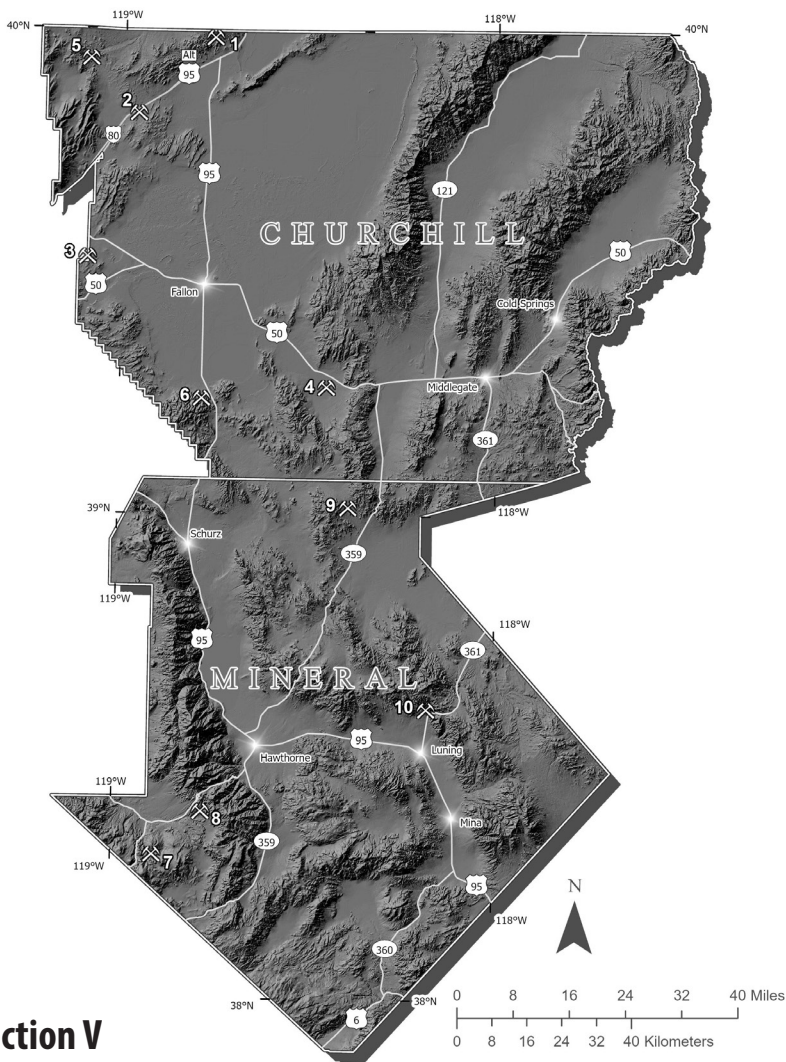
*Robinson - copper mine,
White Pine County (KGHM photo)*



*Gold pour, Marigold - gold mine,
Humboldt County (SSR Mining Inc. photo)*



Major mines, oil fields, and geothermal power plants, 2024.



Section V

Churchill County

Churchill Limestone Quarry (1)

Operator:

Nevada Cement Co.
1290 West Main Street
Fernley, NV 89408
775-575-4188

Company employees: 2
Contract employees: 2

Production:

Limestone - 417,196 tons

Fernley Diatomite Operations (2)

Operator:

US Silica
10210 Nightingale Road
Fallon, NV 89406
775-824-7600

Company employees: 40

Production:

Diatomite - 48,458 tons

Mineral County

Hazen Mine (3)

Operator:

US Silica
640 Clark Station Rd.
Sparks, NV 89434
775-824-7600

Company employees: 2

Production:

Diatomite - 14,221 tons

Huck Salt (4)

Operator:

Huck Salt Company
P.O. Box 1434
Fallon, NV 89407
775-423-2055

Company employees: 9

Shipped:

Salt - 14,028 tons

Nightingale Mine (5)

Operator:

Imerys of California, Inc.
100 Front Street
Fernley, NV 89408
775-575-2536

Company employees: 16

Contract employees: 5

Production:

Diatomite - 33,554 tons

Perlite Mine (6)

Operator:

US Silica
P.O. Box 959
Lovelock NV 89434
775-824-7600

Company employees: 2

Production:

Perlite - 9,171 tons

Aurora Mine (7)

Operator:

Klondex Aurora Mine, Inc.
4000 W. Winnemucca Blvd.
Winnemucca, NV 89445
775-530-0780

Company employees: 0

Production:

Gold -

No mining occurred in 2024

Borealis Mine (8)

Operator:

Borealis Mining Company, LLC
P.O. Box 2447
Reno, NV 89515
775-502-4334

Company employees: 14

Production:

Gold - 614 oz

Silver - 707 oz

Denton-Rawhide Mine (9)

Operator:

Rawhide Mining, LLC
2040 Reno Hwy. #212
Fallon, NV 89406
775-945-1015

Company employees: 2

Production:

Gold -

No mining occurred in 2024

Isabella Pearl (10)

Operator:

Fortitude Gold Corp.
P.O. Box 247
Mina, NV 89422
775-300-0447

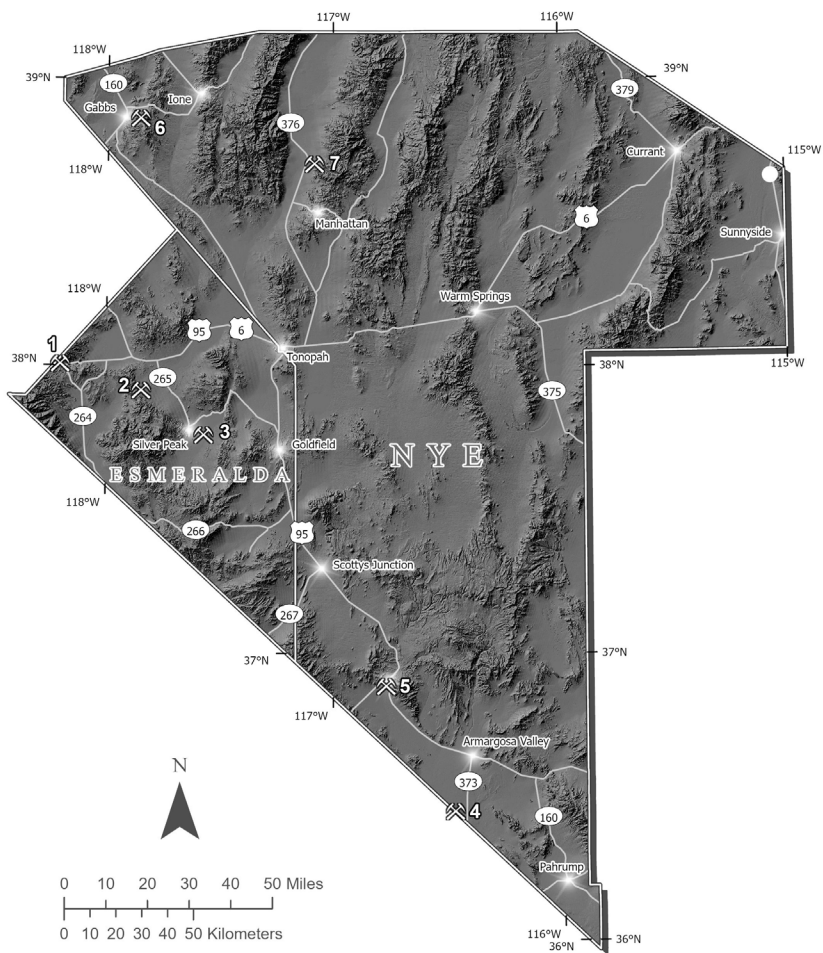
Company employees: 45

Contract employees: 15

Production:

Gold - 16,472 oz

Silver - 66,880 oz



Section VI

Esmeralda County

Basalt Diatomite Mine (1)

Operator:

Grefco Minerals, Inc.
P.O. Box 278
Dyer, NV 89010
775-573-2422

Company employees: 16
Contract employees: 3

Production:

Diatomite - 13,224 tons

Blanco Mine (2)

Operator:

Vanderbilt Minerals, Inc.
P.O. Box 6660
Pahrump, NV 89041
775-253-0064

Company employees: 2

Production:

Specialty clays - 5,300 tons

Silver Peak Lithium Operations (3)

Operator:

Albemarle U.S., Inc.
P.O. Box 98
Silver Peak, NV 89047
775-380-0330

Company employees: 65
Contract employees: 35

Shipped:

Lithium compounds - 7,682,340 lbs

Nye County

Amargosa Clay Operation (4)

Operator:

Lhoist North America
P.O. Box 86
Amargosa Valley, NV 89020
775-309-3723

Company employees: 40
Contract employees: 8

Production:

Specialty clays - 63,054 tons

New Discovery Mine (5)

Operator:

Vanderbilt Minerals, LLC
P.O. Box 6660
Pahrump, NV 89041
775-253-0064

Company employees: 2

Production:

Specialty clays -
No mining occurred in 2024

Premier Magnesia (6)

Operator:

Premier Magnesia, LLC
P.O. Box 177
Gabbs, NV 89409
775-285-2601

Company employees: 118

Shipped:

Magnesium compounds - 119,343 tons

Round Mountain Mine (7)

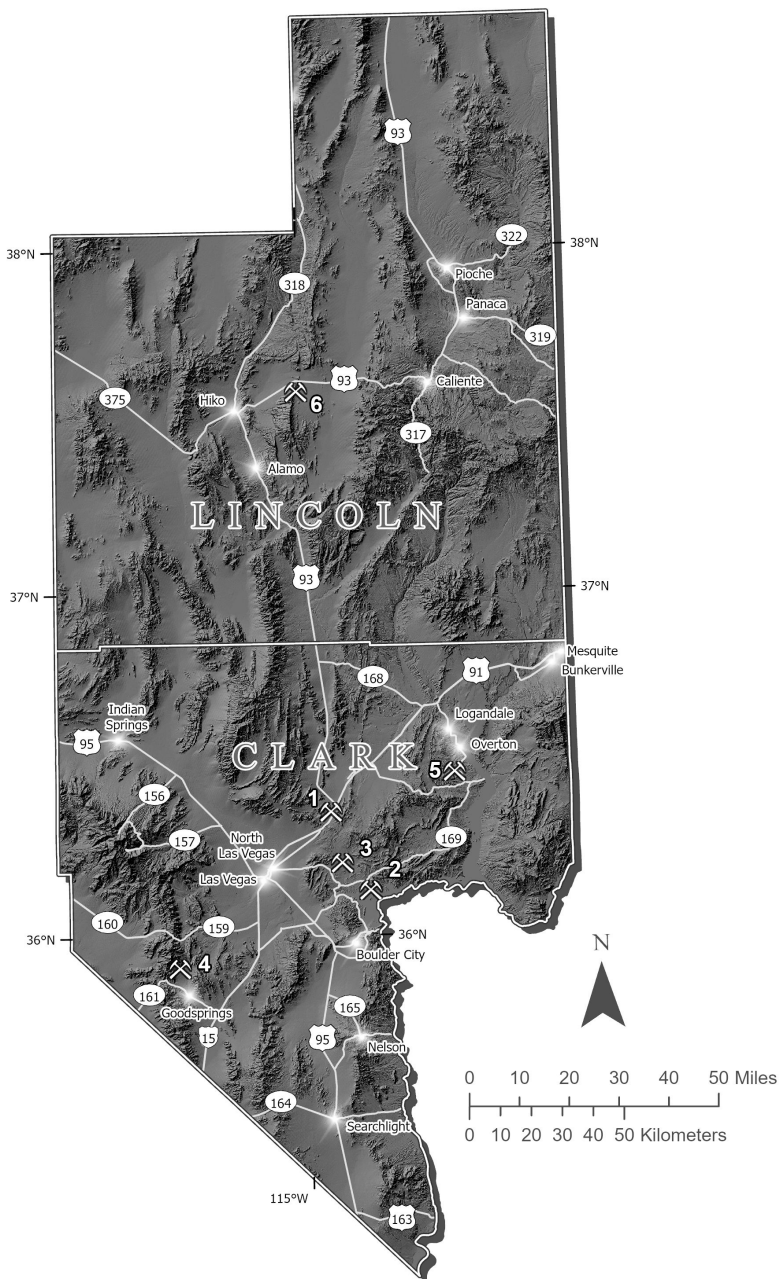
Operator:

Round Mountain Gold Corp.
P.O. Box 480
Round Mountain, NV 89045
775-377-2366

Company employees: 700
Contract employees: 170

Production:

Gold - 211,716 oz
Silver - 310,743 oz



Section VII

Clark County

Apex Quarry (1)

Operator:

Lhoist North America
12101 N. Las Vegas Blvd.
Las Vegas, NV 89165
702-643-7702

Company employees: 107

Contract employees: 3

Production:

Limestone - 651,000 tons
Dolomite - 230,000 tons

Lima Nevada Gypsum Mine (2)

Operator:

H. Lima Nevada, LLC
10655 W. Park Run Drive, Suite 275
Las Vegas, NV 89144
209-239-6134

Company employees: 9

Production:

Gypsum - 52,918 tons

PABCO Gypsum Mine (3)

Operator:

Pacific Coast Building Products, Inc.
8000 E. Lake Mead Blvd.
Las Vegas, NV 89115
702-407-3700

Company employees: 15

Contract employees: 3

Production:

Gypsum - 1,341,359 tons

Rainbow Quarry (4)

Operator:

Las Vegas Rock, Inc.
P.O. Box 19118
2 Jean Prison Rd.
Jean, NV 89019
702-791-7625

Company employees: 10

Contract employees: 4

Production:

Meta-quartzite blocks - 581 tons

Simplot Silica Products (5)

Operator:

J.R. Simplot Company
P.O. Box 308
Overton, NV 89040
702-397-2667

Company employees: 40

Shipped:

Silica sand - 734,182 tons

Lincoln County

Tenacity Perlite Mine (6)

Operator:

Wilkin Mining & Trucking, Inc.
HC 34 Box 199
Caliente, NV 89008
775-728-4463

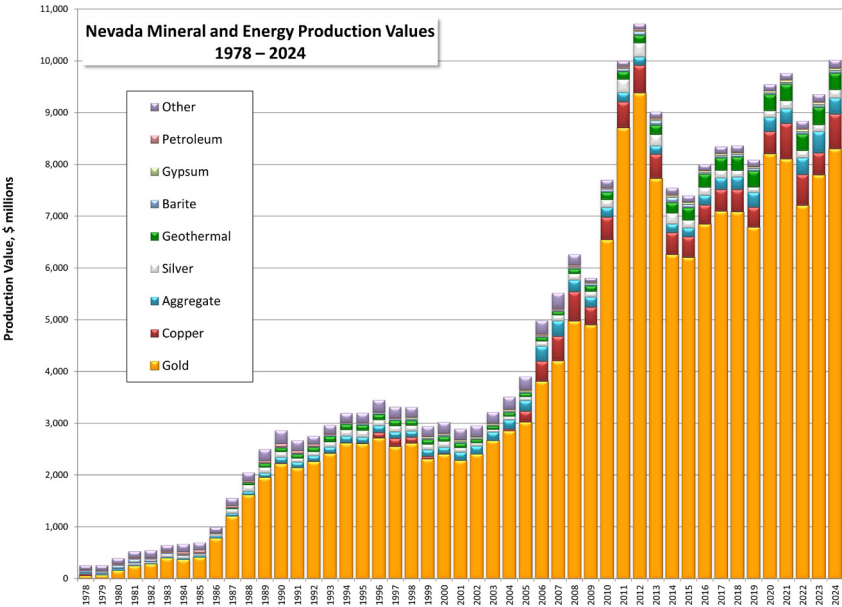
Company employees: 1

Production:

Perlite - 1,450 tons

Summary of 2024 Production

Gold	3,479,748	ounces
Silver	5,698,871	ounces
Barite (mined)	424,008	tons
Copper	144,878,926	pounds
Diatomite	244,020	tons
Dolomite	289,292	tons
Gypsum	2,000,608	tons
Limestone	2,366,371	tons
Lithium compounds (shipped)	7,682,340	pounds
Magnesium compounds (shipped)	119,343	tons
Molybdenite	138,195	pounds
Perlite	10,621	tons
Pozzolan	33,605	tons
Quartzite	3,943	tons
Salt (shipped)	14,028	tons
Silica sand (shipped)	734,182	tons
Specialty clays	88,402	tons



Economic Impacts of Mining in Nevada—2024

Nevada’s mining industry recorded approximately \$10.1 billion in total value of all commodities in 2024, representing a 5.7% increase from the \$9.5 billion dollar value recorded in 2023. This increase is largely attributed to the steady increase in gold prices throughout the year. Nearly 84% of the value was driven by gold and silver, which contributed over \$8.4 billion, based on the actual gross proceeds reported to the Nevada Department of Taxation.

According to Kitco Metals Inc. (www.kitco.com), the average 2024 prices for gold was \$2,383 per troy ounce, silver was \$27.69, per troy ounce, and copper was \$4.65 per pound. According to the International Molybdenum Association, in 2024 the average cost for molybdenum was \$25.06 per pound.

Nevada led the nation in 2024 in the production of gold, barite, lithium compounds, and magnesium compounds. Nevada produced a wide variety of other mineral and energy commodities such as clays, copper, dolomite, geothermal energy, gypsum, lapidary and gemstones, limestone, molybdenite, oil, perlite, salt, silica sand, silver, and specialty aggregates. A summary

of commodity production amounts, value, and year-over-year percentage changes can be seen in table 1.

Production Highlights

Nevada’s gold production was 3,479,748 troy ounces in 2024 compared to 4,030,556 troy ounces in 2023, a decrease of 13.7%. According to the U.S. Geological Survey, Nevada remains the nation’s top gold producer with about 70% (112 metric tons) of the U.S. total (160 metric tons). The U.S. ranks fifth in the world for gold production behind China (380), Russia (310), Australia (290), and Canada (200). Nevada alone would rank 10th in the world for gold production if it were considered as a separate country. A summary of 2024 metal production, ranked by producer, is shown in table 2.

Employment

According to the Nevada Department of Employment, Training, and Rehabilitation, the Nevada minerals industry, including support activities and oil and gas extraction, directly employed an average of 14,563

Table 1. Summary of 2024 Nevada Mineral Commodity Production

Commodity	Production Amount	Unit	YOY Change (%)	YOY Value Change (%)	Value (\$)
Gold*	3,479,748	ounces	-13.7%	6.4%	\$8,292,587,459
Silver*	5,698,871	ounces	3.1%	20.8%	\$157,804,051
Barite (shipped)	498,263	tons	30.2%	7.8%	\$44,299,214
Copper*	144,878,926	pounds	31.9%	58.3%	\$673,432,019
Diatomite	244,020	tons	-13.4%	6.4%	\$62,023,009
Dolomite*	59,292	tons	-0.2%	-12.9%	\$4,941,952
Gypsum	2,000,608	tons	0.8%	-12.4%	\$42,596,701
Limestone*	2,596,371	tons	-23.4%	-2.8%	\$34,084,849
Lithium compounds (shipped)	7,682,340	pounds	7.2%	-72.5%	\$47,332,327
Magnesium compounds (shipped)	119,343	tons	5.3%	49.6%	\$14,684,166
Molybdenite*	138,195	pounds	1.8%	13.1%	\$2,841,289
Perlite	10,621	tons	414.6%	-8.2%	\$574,091
Salt (shipped)	14,028	tons	-28.5%	20.4%	\$1,1369,766
Silica sand (shipped)	734,182	tons	-2.4%	1.7%	\$23,138,048
Specialty clays*	122,007	tons	22.5%	27.7%	\$16,430,462
Geothermal energy (sold)	5,289,315	megawatt hours	20.8%	-5.1%	\$324,331,745
Oil (sold)*	231,191	barrels	13.8%	-19.8%	\$11,732,697
Aggregates (USGS)	26,300,000	tons	-31.5%	-24.7%	\$311,000,000
Total Value				5.7%	\$10,065,203,845

*Limestone and dolomite for the Apex Quarry are reported together to the NV Department of Taxation. As a result, the mined amount for dolomite in this table is less than what is reported for the Apex Quarry and less than what is recorded in the Summary of 2024 Production. The reported figure for dolomite is added on to the limestone production amount above. Also, the specialty clay amount above is increased above reflecting pozzolan being reported as a "Specialty Clay" to the NV Department of Taxation. Gold, silver, copper, and molybdenum prices are calculated using the reported mined amounts multiplied by the average monthly prices for 2024 as cited in the text.

people in 2024. The average yearly pay for mineral industry employees during this time was \$119,000, the third highest average private employment sector in the state, behind Company Management and Utilities. Mining employment remains an important factor in the economic diversity of Nevada.

Permitting and Reclamation

Before mining can begin, plans of operation must be submitted and permits obtained from federal, state, and local governments to ensure that resources such as wildlife, air, and water are protected. Nevada and federal laws and regulations require that lands disturbed by mining activities be rehabilitated, so they can be used for other activities once mining is completed. This process, called reclamation, returns mined areas to other productive practices such as livestock grazing, wildlife habitat, recreation opportunities, or other natural resource uses. To ensure that reclamation is completed, mine operators are required to post reclamation bonds with government agencies prior to commencement of operations. The bonds are released only after the mined area is stabilized and all the reclamation requirements have been met. According to the Nevada Division of Environmental Protection, approximately \$5 billion in reclamation bonds and other financial assurance are currently posted. Mine operators are proud of their efforts and are constantly seeking ways to enhance their reclamation technology while addressing environmental concerns.

In 2024, two operators received the Nevada Excellence in Mine Reclamation Award for their exemplary efforts. Coeur Mining Inc, received an award in the category of Wildlife Habitat Restoration for their Duffy Pond restoration project at the Rochester Mine in Pershing County, and Kinross Mining Inc, received an award in the category of Leadership in Concurrent Reclamation at their Process 1 Heap Leach Facility Reclamation Project at their Bald Mountain Mine in White Pine County. Information on the award and past award winners can be found at <https://minerals.nv.gov/Programs/Mining/MiningExcMineRec/>.

Gold Reserves

Gold reserves are defined as that portion of a gold deposit known to be economically feasible for extraction. The amount of stated reserves changes with commodity prices and operating costs or when new reserves are added through exploration. Extensive gold resources are known to exist at or near many mining operations in Nevada. An increase in the gold price with all else being equal would mean many companies would be able to reclassify their resources into a reserve category. An increase in the cost of regulatory compliance or the application of gross royalties levied on production can have the same effect as a lowering of the gold price, thereby reducing reserves. For the larger operating mines, the publicly reported reserves for the year ending 2024 totaled approximately 65.2 million

Table 2. 2024 Nevada Metal Production, by Producer

Operator	Gold (ozs)	Silver (ozs)	Copper (lbs)	Moly (lbs)
Nevada Gold Mines	2,612,946	734,713	18,955,626	
Kinross	392,376	343,316		
SSR Mining	168,262	5,059		
Florida Canyon Mining (Argonaut Gold)	74,726	69,308		
i80 Gold	47,400	4,800		
KGHM International	45,141	80,843	123,263,542	138,195
McEwen Mining	44,574	547		
Coeur	39,203	4,377,847		
Calibre Gold	35,267	1,171		
Fortitude Gold	16,472	66,880		
First Majestic Silver	2,331	NR		
Borealis Mining	614	707		
Southwest Critical Materials	436	13,781	2,659,758	
Totals	3,479,748	5,698,971	144,878,926	138,195

ounces of gold. Assuming similar economic conditions without any reserve replacement, current reserves are sufficient to sustain gold production near current levels in Nevada for about 19 years (table 3).

Exploration

Exploration for new deposits is an ongoing effort by both the existing operating companies and many others who do not yet operate mines in the state. Exploration geologists, drillers, assayers, and others who support exploration activities represent a significant positive economic impact, particularly in Nevada’s rural areas. Exploration activity and funding are closely tied to economic conditions and commodity prices. To quantify the level of exploration activity and the factors responsible for those levels, the Division contracted with the Nevada Bureau of Mines and Geology, who released the results of the biennial exploration survey in February of 2025, using 2023 and 2024 data received from companies involved in metal, geothermal, oil and gas

exploration in the State. This informative report, which can be downloaded at <https://pubs.nbmng.unr.edu/Nevada-mineral-and-energy-resource-exploration-sur-p/es2024.htm>, revealed that exploration spending in 2024 decreased by 33%, from \$450 million in 2023 to \$283 million in 2024. These are minimum spending amounts, because not all companies reported their expenditures. In 2023, 85% (\$381.9 million) of exploration expenditures were spent targeting precious metals, which decreased to 82.4% (\$254 million) in 2024 following the steady increase in gold prices. Expenditures for lithium exploration showed a 53% increase from 9% (\$30 million) in 2022 to 10% (\$45.9 million) in 2023, this trend is likely reflecting carried-over funds raised during the height of the boom in lithium prices in 2022. Lithium expenditures dropped in 2024 following a decline in commodity price. Expenditures in the base metal exploration sector also decreased from 12% (\$44 million) in 2022 to 5% (\$22.3 million) in 2023 and 12% (\$12.6 million) in 2024 likely due to increased interest in precious and critical

Table 3. Nevada Mine Reserves (Proven and Probable) Reported for End of Year 2024

Company	Mine	Gold (ozs)	Silver (ozs)	Copper (lbs)
AngloGold Ashant	North Bullfrog	1,080,000	3,580,00	
Augusta Gold Corp.	Reward	370,000		
Calibre Gold	Pan (mine, leachpad)	247,000		
Centurra	Goldfield Complex	706,000		
Couer	Rochester	1,298,000	191,040,000	
Eureka Moly (?)	Mt. Hope			
Faraday Copper	Contact			611,748,000
Fortitude Gold	Isabella Pearl (open pit, stockpiles)	4,495		
Inegra	Florida Canyon	861,000		
KGHM	Robinson	579,229		1,078,698,000
Kinross Gold Corp.	Round Mountain	1,883,000		
Kinross Gold Corp.	Bald Mountain	1,173,000		
McEwen Mining	Goldbar	222,000		
Nevada Gold Mines	Carlin	15,447,152		
Nevada Gold Mines	Turquoise Ridge	14,471,542		
Nevada Gold Mines	Cortez	13,495,933		
Nevada Gold Mines	Phoenix	3,089,430	37,398,374	752,796,953
Orla Mining	South Railroad	1,604,000	6,137,000	
Scorpio Gold Corp.	Mineral Ridge (open pit, leach pad)	273,500	115,900	
Solidus Resources	Spring Valley	3,700,000		
SW Critical Materials	Pumpkin Hollow (open pit, leach pad)	760,400	24,588,100	4,350,020,000
SSR	Marigold	3,256,00		
Waterton	Mt. Hamilton	545,400	4,459,600	
Totals		65,166,082	267,318,974	6,793,262,953

minerals. Employment numbers decreased annually as well from a minimum of 619 people directly employed by companies engaged in exploration activities in Nevada in 2022, to a minimum of 423 in 2024.

Oil and Geothermal Activity

Economic activity from oil and gas exploration and production is relatively minor compared to mining but is locally important to the economy of east-central Nevada. In oil field terms, Nevada is considered a frontier state, meaning its potential is yet to be realized. According to the U.S. Energy Information Administration, the price for a barrel of West Texas Intermediate crude in 2024 ranged from a monthly average low of \$73.72 to a high of \$84.63 and averaged \$77.26 for the year, versus \$77.68 in 2023. Nevada’s oil production in 2024 decreased by 15% from 203,076 barrels (42 gallons per barrel) in 2023 to 171,141 barrels sold in 2024, worth approximately \$11.7 million. Table 4 summarizes the number of producing wells and the number of barrels sold by operator and oil field in 2024.

Nevada is rich in geothermal resources and is second only to California in the production of geothermal energy. For 2024, Nevada had 27 plants in 17 geothermal fields that sold approximately 4.1 million megawatt hours of electricity, worth approximately \$324 million (table 5). According to the U.S. Energy Information Association, this is sufficient to power approximately 382,277 residential homes in Nevada for a year. Geothermal heat is also used for a variety of commercial, domestic, and public applications in Nevada. Schools in Elko County, a casino in Washoe County, and homes in Lincoln and Washoe counties are examples of public and private facilities using this renewable energy resource.

Conclusions

Nevada’s mineral industry continues to be a major economic force in the state. Nevada is a major natural resource producer with significant mineral and energy resources awaiting discovery. Given the increasing commodity prices, proactive regulatory environment, and high state-

Table 4. Nevada Oil Production in 2024

Operator	Producing Field	# of Producing Wells	Total Barrels Sold
Makoil	Trap Spring	29	92,287
Grant Canyon	Grant Canyon	3	24,811
Kirkwood	Eagle Springs	13	22,129
Grant Canyon	Blackburn	4	14,382
Kirkwood	Ghost Ranch	3	7,584
Grant Canyon	Three Bar	2	4,520
Grant Canyon	Bacon Flat	1	3,974
Makoil	Ghost Ranch	1	945
Grant Canyon	Sans Spring	1	509
Totals		57	171,141

Table 5. Nevada Geothermal Production in 2024 by Company

Company (including all subsidiaries)	Total Output (Sales) MWh	% of Total
Ormat Nevada Inc.	3,605,052	87.4%
Cyrq Energy	451,808	12.5%
Star Peak Geothermal	46,452	10.3%
Homestretch Energy/Whitegrass No. 1 LLC	21,452	0.47%
Total		4,125,154

wide environmental standards this situation should continue for many years to come. Major factors affecting the stability of the Nevada mineral industry are potential future withdrawals of prospective federal lands from mineral entry and leasing, special land designations or development stipulations that make it challenging or unfeasible to proceed with mineral development, and uncertainty surrounding mining laws and regulations.

As exploration for critical minerals gains momentum, Nevada's rich mineral endowment makes this state a prime location to explore, develop, and process a variety of ore types. Development of new mines and processing facilities would also open the door for downstream supply chains and commodity loops along with associated statewide employment opportunities. Of the 60 critical minerals published in the Federal Register on November 7, 2025, at least 36 minerals have known occurrences or deposits in Nevada. With its rich mineral endowment and favorable regulatory environment, Nevada ranked as the 2nd best mining jurisdiction in the world based on the Investment Attractiveness Index in the Fraser Institute's 2024 annual survey.

Data

The Nevada Division of Minerals and the Nevada Bureau of Mines and Geology continuously strive to provide data for the mineral, oil-gas, and geothermal exploration and mining community. The websites listed below have been developed to provide spatial data for Nevada explorers and beyond. The websites are free to use, and the data are free to download.

Nevada Division of Minerals (NDOM)
Open Data Site
<https://ndomdata.com>

Nevada Bureau of Mines and Geology Open
Data Site
<https://data-nbmng.opendata.arcgis.com/>

C.L.A.I.M.S.
<https://miningclaim.org>

All data included in this publication, both current and historic, have been digitized and are available within the Nevada Mineral Production Experience located on the main page of the NDOM Open Data Site.



*McGinness Hills Geothermal Production Wells,
Lander County (Ormat photo)*

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The Nevada Bureau of Mines and Geology

The Nevada Bureau of Mines and Geology (NBMG) is a research and public service unit of the University of Nevada, Reno (UNR) and is the state geological survey, applying its expertise across the entire state. NBMG is part of the Mackay School of Earth Sciences and Engineering within the College of Science at UNR.

NBMG scientists conduct research and publish reports on mineral resources, engineering geology, environmental geology, hydrogeology, geologic hazards, and geologic mapping. Individuals interested in Nevada geology are encouraged to visit, call, write NBMG, or visit our website.

<https://www.nbmг.unr.edu>

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