This is the twenty-second of an annual series of summary reports on major mines of Nevada. Sand and gravel operations are not included. Information on employment and production for the calendar year 2010 was provided by the individual mine 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, fax (775) 684-7052, or visit their Web site at http://minerals.state.nv.us.
Contents

Major mines

Section I
Lyon County 5
Storey County 5

Section II
Humboldt County 6
Pershing County 8

Section III
Eureka County 11
Lander County 12

Section IV
Elko County 14
White Pine County 15

Section V
Churchill County 17
Mineral County 17

Section VI
Esmeralda County 19
Nye County 19

Section VII
Clark County 21
Lincoln County 21

Summary of 2010 production 22

Economic impacts of mining in Nevada—2010 23

Major mines, oil fields, and geothermal plants, 2010 (map) 27

Index 28
Section I

Lyon County

Adams Claim Gypsum Mine (1)
Operator:
   Art Wilson Co.
   P.O. Box 20160
   Carson City, NV 89721
   775-882-0700  Fax: 882-0790
   Company employees: 44
Production:
   Gypsum - 148,000 tons
   Limestone

Celite Diatomite Mine (2)
Operator:
   World Minerals, Inc.
   100 Front Street
   Fernley, NV 89408
   775-575-2536  Fax: 575-1570
   Company employees: 14
   Contract employees: 1
Production:
   Diatomite

Hazen Pit (3)
Operator:
   EP Minerals, LLC
   640 Clark Station Rd.
   Sparks, NV 89434
   775-824-7700  Fax: 824-7715
   Company employees: 2
   Contract employees: 4
Production:
   Diatomite

NCC Limestone Quarry (4) and Mill (4*)
Operator:
   Nevada Cement Co.
   P.O. Box 840
   Fernley, NV 89408
   775-575-2281  Fax: 575-4387
   Company employees: 14
Production:
   Limestone/Clay

Storey County

Clark Mine (5) and Mill (5*)
Operator:
   EP Minerals, LLC
   640 Clark Station Rd.
   Sparks, NV 89434
   775-824-7700  Fax: 824-7715
   Company employees: 58
   Contract employees: 9
Production:
   Diatomite
Section II

Humboldt County

Ashdown Mine (1)
Operator:
  Win-Eldrich Mines Ltd.
  P.O. Box 210
  Denio, NV 89404
  Company employees: 35
Production:
  Molybdenite - 212,490 pounds

Hycroft Mine (2)
Operator:
  Hycroft Resources and Development
  P.O. Box 3030
  Winnemucca, NV 89446
  775-623-5260  Fax: 623-0215
  Company employees: 209
  Contract employees: 150
Production:
  Gold - 102,483 oz
  Silver - 233,974 oz
Marigold Mine (3)
Operator:
Goldcorp, Inc.
P.O. Box 160
Valmy, NV 89438
775-635-2317 Fax: 635-2551
Company employees: 273
Contract employees: 39
Production:
Gold - 136,754 oz
Silver - 3,729 oz

Sunrise Gold Placer Mine (7)
Operator:
Sunrise Minerals, LLC
7343 S. Alton Way, Suite 100
Centennial, CO 80112
303-779-1800 Fax: 303-770-1995
Company employees: 5
Production:
Gold - 1,116 oz

Turquoise Ridge Joint Venture (8)
Operator:
Barrick Gold Corporation
2055 Getchell Mine Road
Golconda, NV 89414
775-529-5001 Fax: 529-0753
Company employees: 347
Contract employees: 165
Production:
Gold - 161,579 oz

MIN-AD Mine and Mill (4)
Operator:
MIN-AD, Inc.
P.O. Box 39
Winnemucca, NV 89446
775-623-5944 Fax: 623-9028
Company employees: 20
Contract employees: 4
Production:
Dolomite

Twin Creeks Mine (9)
Operator:
Newmont Mining Corp.
P.O. Box 69
Golconda, NV 89414
775-635-9400 Fax: 635-4602
Company employees: 589
Contract employees: 56
Production:
Gold - 452,744 oz
Silver - 211,935 oz

Rainbow Ridge Opal Mines (5)
Operator:
Rainbow Ridge Opal Mines, Inc.
P.O. Box 97
Denio, NV 89404
775-941-0270 (summer)
Production:
Precious opal

Royal Peacock Opal Mine (6)
Operator:
Walter Wilson
P.O. Box 165
Denio, NV 89404
775-941-0374 (summer)
775-272-3201 (winter)
Production:
Precious opal

MIN-AD Mine and Mill (4)
Operator:
MIN-AD, Inc.
P.O. Box 39
Winnemucca, NV 89446
775-623-5944 Fax: 623-9028
Company employees: 20
Contract employees: 4
Production:
Dolomite

Rainbow Ridge Opal Mines (5)
Operator:
Rainbow Ridge Opal Mines, Inc.
P.O. Box 97
Denio, NV 89404
775-941-0270 (summer)
Production:
Precious opal

Royal Peacock Opal Mine (6)
Operator:
Walter Wilson
P.O. Box 165
Denio, NV 89404
775-941-0374 (summer)
775-272-3201 (winter)
Production:
Precious opal
Pershing County

Coeur Rochester Mine (10)
Operator:
Coeur Rochester, Inc.
P.O. Box 1057
Lovelock, NV 89419
775-273-7995 Fax: 273-7423
Company employees: 35
Contract employees: 10
Production:
Gold - 9,641 oz
Silver - 2,023,423 oz

Colado Mine and Plant (11), Mill (11*)
Operator:
EP Minerals, LLC
150 Coal Canyon Road
Lovelock, NV 89419
775-824-7540 Fax: 824-7582
Company employees: 117
Production:
Diatomite, Perlite

Empire Mine (12), Mill (12*)-in
Washoe County
Operator:
United States Gypsum Co.
P.O. Box 130
Empire, NV 89405
775-557-2341 Fax: 557-2212
Company employees: 101
Production:
Gypsum - 162,636 tons

Florida Canyon Mine (13)
Operator:
Florida Canyon Mining, Inc.
P.O. Box 330
Imlay, NV 89418
775-538-7300 Fax: 538-7691
Company employees: 148
Contract employees: 35
Production:
Gold - 54,975 oz
Silver - 39,903 oz

W. Glen Sexton Family Trust (14)
Operator:
Nutritional Additives Corp.
415 Wellington Street
Winnemucca, NV 89445
775-623-1151 Fax: 623-1153
Company employees: 4
Production:
Dolomite
Newmont, Twin Creeks Mine
(D.D. LaPointe photo).
Section III

Eureka County

Betze-Post Mine (1)
Operator:
   Barrick Goldstrike Mines, Inc.
   P.O. Box 29
   Elko, NV 89803
   775-748-1001   Fax: 748-1240
   Company employees: 1,003
Production:
   Gold - 884,200 oz
   Silver - 138,931 oz

Eastern Nevada Operations
   (Carlin Operations) (2)
Carlin N, 19 Locations
Carlin S, 6 Locations
Operator:
   Newmont Mining Corp.
   1655 Mountain City Highway
   Elko, NV 89801
   775-778-4000   Fax: 778-4751
   Company employees: 1,941
   Contract employees: 611
Production:
   Gold - 934,282 oz
   Silver - 69,430 oz

Ruby Hill Mine (3)
Operator:
   Barrick Gold Corporation
   P.O. Box 676
   Eureka, NV 89316
   775-237-6060   Fax: 237-5408
   Company employees: 128
   Contract employees: 11
Production:
   Gold - 81,382 oz.
   Silver - 43,276 oz.
**Lander County**

**Argenta Mine (4) and Mill (4*)**
Operator:
Baker Hughes Oilfield Operations, Inc.
P.O. Box 277
Battle Mountain, NV 89820
775-635-5441 Fax: 635-5455
Company employees: 35
Contract employees: 31
Shipped:
Barite - 94,838 tons

**Battle Mountain Grinding Plant (Greystone Mine) (5), Mill (5*)**
Operator:
M-I Swaco
P.O. Box 370
Battle Mountain, NV 89820
775-635-5135 Fax: 635-2645
Company employees: 90
Shipped:
Barite - 314,177 tons

**Pipeline Mine (6)**
Operator:
Barrick Cortez, Inc.
HC66 Box 1250
Crescent Valley, NV 89821-1250
775-468-4400 Fax: 468-4496
Company employees: 1,048
Production:
(includes the Cortez Hills open-pit)
Gold - 791,978 oz
Silver - 45,477 oz

**Cortez Hills Mine (7)**
Operator:
Barrick Cortez, Inc.
HC66 Box 1250
Crescent Valley, NV 89821-1250
775-468-4400 Fax: 468-4496
Company employees: 1,048
Production:
(underground only, excluding the open-pit)
Gold - 347,998 oz

**Phoenix Project (8)**
Operator:
Newmont Mining Corp.
P.O. Box 1657
Battle Mountain, NV 89820
775-635-6423 Fax: 635-6460
Company employees: 458
Contract employees: 68
Production:
Gold - 214,142 oz
Silver - 921,350 oz
Copper - 19,008,818 pounds

![Cortez Hills Mine (Rachel Wearne photos).](image)
Cortez Hills Mine, 35.7 Ma rhyolite dikes intruded into Devonian Wenban Limestone, the major ore host. The dikes are intimately associated with Carlin-type gold mineralization at Cortez Hills (Chris Henry photos).
Elko County

Big Ledge Mine/Dry Creek Jig Plant (1)
Operator:
    National Oilwell Varco
    P.O. Box 900
    Wells, NV 89835
    775-752-2300  Fax: 775-752-2303
    Company employees: 14
    Contract employees: 15

Shipped:
    Barite - 74,452 tons
Section IV

Hollister Mine (2)
Operator:
Rodeo Creek Gold, Inc. and
Great Basin Gold Ltd.
P.O. Box 2610
Winnemucca, NV 89446
775-623-5760  Fax: 623-5759
Company employees: 192
Contract employees: 67
Production:
Gold - 105,144 oz
Silver - 578,855 oz

Jerritt Canyon Mine (3)
Operator:
Yukon-Nevada Gold Corp.
HC31 Box 78
Elko, NV 89801
775-738-5006  Fax: 738-2831
Company employees: 188
Production:
Gold - 65,104 oz

Meikle Mine (4)
Operator:
Barrick Goldstrike Mines, Inc.
P.O. Box 29
Elko, NV 89803
775-778-8858  Fax: 778-8865
Company employees: 568
Production:
Gold - 281,308 oz
Silver - 22,628 oz

Midas Mine (5)
Operator:
Newmont Mining Corp.
HC66 Box 125
Midas, NV 89414
775-635-6423  Fax: 635-6460
Company employees: 256
Contract employees: 47
Production:
Gold - 127,196 oz
Silver - 1,710,318 oz

Pilot Peak Lime Plant (6)
Operator:
Graymont Western U.S.
P.O. Box 2520
West Wendover, NV 89883
775-483-5463
Company employees: 54
Contract employees: 1
Production:
Limestone, quicklime, hydrated lime

Rossi Mine (7), Dunphy Mill (7*) -
in Eureka County
Operator:
Halliburton
912 Dunphy Ranch Rd.
Battle Mountain, NV 89820
775-468-0515  Fax: 468-2060
Company employees: 36
Contract employees: 58
Shipped: Barite - 173,700 tons

Storm Mine (8)
Operator:
Barrick Goldstrike Mines, Inc.
P.O. Box 29
Elko, NV 89803
775-748-1001  Fax: 748-1240
Company employees: 7
Production:
Gold - 74,429 oz
Silver - 63,309 oz

White Pine County

Bald Mountain Mine (9)
Operator:
Barrick Gold U.S., Inc.
P.O. Box 2706
Elko, NV 89803
775-237-7100  Fax: 237-7101
Company employees: 261
Contract employees: 200
Production:
Gold - 60,333 oz
Silver - 15,000 oz

Robinson Mine (10)
Operator:
Robinson Nevada Mining Company
P.O. Box 382
Ruth, NV 89319
775-289-7000  Fax: 289-7349
Company employees: 544
Production:
Copper - 108,967,015 pounds
Gold - 72,998 oz
Silver - 245,746 oz
Molybdenite - 378,191 pounds
Section V

Churchill County

Huck Salt Company (1)
Operator:
   Huck Salt Company
   2900 Phritzie Ln.
   Fallon, NV 89406
   775-423-2055   Fax: 423-0467
   Company employees: 9
Production:
   Salt - 25,893 tons

Moltan Company (2)
Operator:
   Moltan Company
   P.O. Box 860
   Fernley, NV 89408
   775-423-6668   Fax: 423-6411
   Company employees: 44
Production:
   Diatomite

Mineral County

Denton-Rawhide Mine (3)
Operator:
   Rawhide Mining, LLC
   P.O. Box 2070
   Fallon, NV 89407
   775-945-1015   Fax: 945-1213
   Company employees: 24
Production:
   Gold - 20,159 oz
   Silver - 342,382 oz
Section VI

Esmeralda County

**Basalt Mine and Mill (1)**
Operator:
  Grefco Minerals, Inc.
  P.O. Box 278
  Dyer, NV 89010
  775-573-2422   Fax: 573-2422
  Company employees: 8
Production:
  Diatomite

**Silver Peak Operations (2)**
Operator:
  Chemetall Foote Corp.
  P.O. Box 98
  Silver Peak, NV 89047
  775-937-2222   Fax: 937-2250
  Company employees: 50
  Contract employees: 8
Production:
  Lithium compounds

Nye County

**IMV Nevada (3)**
Operator:
  Mud Camp Mining Co. LLC
  HC 70 Route Box 549
  Amargosa Valley, NV 89020
  775-372-5341   Fax: 372-5640
  Company employees: 25
  Contract employees: 1
Production:
  Specialty clays - 20,000 tons

**Premier Magnesia (4)**
Operator:
  Premier Magnesia, LLC
  P.O. Box 177
  Gabbs, NV 89409
  775-285-2601   Fax: 285-4021
  Company employees: 92
Production:
  Magnesium compounds

**Smoky Valley Common Operation (5)**
Operator:
  Round Mountain Gold Corp.
  P.O. Box 480
  Round Mountain, NV 89045-0480
  775-377-2366   Fax: 377-3224
  Company employees: 708
  Contract employees: 63
Production:
  Gold - 358,614 oz
  Silver - 651,457 oz
Section VII

Clark County

Apex Quarry and Plant (1)
Operator:
Lhoist North America
12101 U.S. Highway 91
Las Vegas, NV 89165
702-643-7702   Fax: 643-9517
Company employees: 119
Production:
Dolomite, lime

PABCO Gypsum (2)
Operator:
PABCO Building Products, LLC
P.O. Box 364329
Las Vegas, NV 89036
702-407-3700   Fax: 643-6249
Company employees: 92
Contract employees: 2
Production:
Gypsum - 682,000 tons

Pioneer Gypsum Mine (3)
Operator:
Pioneer Gypsum Mining, Inc.
4880 Donovan Way
North Las Vegas, NV 89081
702-399-5939   Fax: 399-8353
Company employees: 8
Contract employees: 1
Production:
Gypsum - 62,992 tons

Simplot Silica Products (4)
Operator:
J.R. Simplot Company
P.O. Box 308
Overton, NV 89040
702-397-2667   Fax: 397-2798
Company employees: 35
Production:
Silica sand - 400,000 tons

Lincoln County

Tenacity Perlite Mine and Mill (5)
Operator:
Wilkin Mining & Trucking, Inc.
HC 34 Box 199
Caliente, NV 89008
775-728-4463   Fax: 728-4456
Company employees: 7
Production:
Perlite

Apex Quarry, Lhoist North America (Mike Visher photo).
## Summary of 2010 production

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregate</td>
<td>27,650,000</td>
<td>tons</td>
</tr>
<tr>
<td>Gold</td>
<td>5,339,000</td>
<td>ounces</td>
</tr>
<tr>
<td>Silver</td>
<td>7,361,000</td>
<td>ounces</td>
</tr>
<tr>
<td>Barite (shipped)</td>
<td>657,000</td>
<td>tons</td>
</tr>
<tr>
<td>Copper</td>
<td>127,976,000</td>
<td>pounds</td>
</tr>
<tr>
<td>Diatomite</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Dolomite</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Gypsum</td>
<td>1,056,000</td>
<td>tons</td>
</tr>
<tr>
<td>Limestone</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Lithium compounds</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Mercury</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Molybdenite</td>
<td>591,000</td>
<td>pounds</td>
</tr>
<tr>
<td>Perlite</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Precious opal</td>
<td>70</td>
<td>pounds</td>
</tr>
<tr>
<td>Salt</td>
<td>26,000</td>
<td>tons</td>
</tr>
<tr>
<td>Silica sand</td>
<td>400,000</td>
<td>tons</td>
</tr>
<tr>
<td>Specialty clay</td>
<td>20,000</td>
<td>tons</td>
</tr>
</tbody>
</table>

N/A Not available publicly

---

*“Moonlight over Cortez” (Cortez Hills Mine, Chris Henry photo).*
Nevada’s mining industry set an all-time record in 2010 for total value of all mined commodities. The total value was about $7.7 billion, a $1.9 billion increase from 2009. The value was driven by gold, which contributed about $6.54 billion, based on an average price of $1,225 per troy ounce. Nevada led the nation in 2010 in the production of gold, barite, and lithium as it has for several years. Nevada’s mines produced a wide variety of other mineral and energy commodities such as aggregates, copper, diatomite, dolomite, geothermal energy, lapidary and gemstones, lime and limestone, magnesium compounds, mercury, molybdenite, oil, perlite, potassium sulfate, salt, silica sand, silver, and specialty aggregates and clays.

Production highlights
Nevada’s gold production was 5,339,000 troy ounces in 2010. The production level is up approximately 6% from 2009. Nevada remains the nation’s top gold producer with about 72% of the U.S. total. Underground operations contributed about 26% of the total gold production in 2010. Silver production rose to 7,361,000 troy ounces in 2010 compared to 7,318,000 in 2009. Copper production decreased to 127,976,000 pounds in 2010 compared to 145,733,000 pounds in 2009. Barite production was up to 657,000 tons in 2010 compared to 476,000 tons in 2009. Gypsum production was down to 1,056,000 tons in 2010 compared to 1,198,000 tons in 2009. Molybdenite production was 591,000 pounds in 2010 compared to 148,000 pounds in 2009.

Employment
According to the Nevada Department of Employment, Training, and
Rehabilitation, the Nevada mining industry employed an average of 12,211 employees in 2010. The average pay for mineral industry employees during this time was $83,172 per year, the highest average of any employment sector in the state. In addition, it is estimated there are about 51,000 jobs in the state related to providing goods and services needed by the mining industry. Mining employment has remained an important factor in Nevada.

**Permitting and reclamation**

Before mining can take place, plans of operation must be submitted and permits must be obtained from federal and state agencies 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 must be rehabilitated so they can be used for other activities once mining is completed. This process, called reclamation, returns mined areas to other productive uses such as livestock grazing, wildlife habitat, or other industrial applications. To ensure that reclamation is done, mine operators are required to post reclamation bonds that are held by government agencies. The bonds are released only after the mined area is stabilized and the reclamation goals have been met. According to the Nevada Division of Environmental Protection, approximately $1,661 million in reclamation bonds are currently posted. Mine operators are proud of their efforts and are constantly seeking ways to enhance their reclamation technology.

**Gold reserves**

Nevada’s reported gold reserves at or near currently operating mines that can be mined at a profit under current economic conditions stood at about 81.0 million troy ounces at the end of 2010. The amount of reserves is always in a state of flux, due to some reserves being lost to production, additions of new reserves through new...
discoveries, and changing economic conditions. The price of gold and the cost of production are the main factors in determining whether a reserve is really a reserve or just a sub-economic resource. Extensive gold resources, not currently economic, are known to exist at or near many operations. 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 has the same effect as a lowering of the gold price, thus increasingly complex and expensive regulations can reduce reserves. Under current conditions, the existing proven reserves are sufficient to sustain gold production at current levels for about 15 years.

Exploration

Exploration for new deposits, particularly gold, is an ongoing effort by both the operating companies and many others who do not operate mines in the state. Each year, the Division of Minerals conducts an exploration survey to determine the level of exploration activity and the factors that are responsible for those levels. The respondents to the latest survey indicated they spent $214.1 million on exploration in Nevada in 2010, up from $110.9 million in 2009. The respondents reported having 181 geologists on the payroll in 2010. Existence of favorable geology and commodity prices were cited as the most important factors influencing exploration levels. Exploration geologists and the drillers, assayers, and others who support their activities represent a significant positive economic impact, particularly in Nevada’s rural areas.

Minerals other than gold and silver

Minerals other than gold and silver are also important to Nevada’s economy. Copper ranked second behind gold in terms of value in 2010. Industrial minerals such as aggregates, barite, diatomite, dolomite, gypsum, limestone,
lithium compounds, magnesite, molybdenite, perlite, salt, and specialty clays are produced in this state.

Oil and gas exploration and production are relatively minor when compared to mining, but are nonetheless important to the economy of east-central Nevada. In oil field terms, Nevada is considered a frontier, meaning its potential is yet to be realized. Oil production in 2010 was about 427,000 barrels (42 gallons per barrel).

Nevada is rich in geothermal resources and is second only to California in the production of geothermal power. Currently, Nevada has 20 plants that sold approximately 2.1 million megawatt hours of electricity in 2010. This is enough to power about 110,000 typical homes. Geothermal heat is also used for a variety of commercial, domestic and public applications in Nevada. Schools in Elko County and homes in Lincoln and Washoe Counties are examples of public and private facilities using this renewable energy resource.

**Conclusion**

With a calculated value of about $7.7 billion, Nevada’s mineral industry continued to be a major economic force in the state in 2010. This situation should continue for many years to come. Challenges will exist, as they always have, but Nevada’s mineral reserves and the potential to add to them will spur the creativity of the mineral industry. Prices of many mineral commodities have improved in recent years, allowing companies to increase their exploration and development efforts. The continued development of new projects will assure that the mining industry will remain strong in the future.
Index

Adams Claim Gypsum Mine  5
Apex Quarry and Plant   21
Argenta Mine and Mill  12
Ashdown Mine   6
Bald Mountain Mine  15
Basalt Mine and Mill  19
Battle Mountain Grinding Plant  12
Betze-Post Mine   11
Big Ledge Mine/Dry Creek Jig Plant  14
Carlin Operations  11
Celite Diatomite Mine   5
Clark Mine and Mill  5
Coeur Rochester Mine   8
Colado Mine, Plant, and Mill  8
Cortez Hills Mine   12
Denton-Rawhide Mine  17
Dunphy Mill  15
Eastern Nevada Operations  11
Empire Mine and Mill  8
Florida Canyon Mine   8
Greystone Mine   12
Hazen Pit   5
Hollister Mine  15
Huck Salt  17
Hycoft Mine   6
IMV Nevada   19
Jerritt Canyon Mine  15
Marigold Mine   7
Meikle Mine  15
Midas Mine  15
MIN-AD Mine and Mill  7
Moltan Company   17
NCC Limestone Quarry and Mill  5
PABCO Gypsum   21
Phoenix Project   12
Pilot Peak Lime Plant  15
Pioneer Gypsum Mine   21
Pipeline Mine   12
Premier Magnesia  19
Rainbow Ridge Opal Mines  7
Robinson Mine  15
Rossi Mine  15
Royal Peacock Opal Mine  7
Ruby Hill Mine  11
Silver Peak Operations  19
Simplot Silica Products   21
Smoky Valley Common Operation  19
Storm Mine  15
Sunrise Gold Placer Mine  7
Tenacity Perlite Mine and Mill  21
Turquoise Ridge Joint Venture  7
Twin Creeks Mine  7
W. Glen Sexton Family Trust  8