This is the twenty-seventh 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 2015 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.nv.gov.
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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 Fax: 882-0790
Company employees: 53
Contract employees: 2
Production:
- Gypsum - 520,530 tons
- Limestone - 17,413 tons

**NCC Fernley Operations (2)**
Operator: Nevada Cement Co.
P.O. Box 840
Fernley, NV 89408
775-575-2281 Fax: 575-4387
Company employees: 117
Production:
- Limestone - 88,597 tons

**Storey County**

**Clark Mine (3)**
Operator: EP Minerals, LLC
640 Clark Station Rd.
Sparks, NV 89434
775-824-7700 Fax: 824-7715
Company employees: 4
Production:
- Diatomite - No mine production in 2015

**Lucerne Mine (4)**
Operator: Comstock Mining, Inc.
P.O. Box 1118
Virginia City, NV 89440
775-847-5272 Fax: 847-4762
Company employees: 53
Contract employees: 8
Production:
- Gold - 15,451 oz
- Silver - 221,723 oz

**Washoe County**

**NCC Flanigan Mine (5)**
Operator: Nevada Cement Co.
P.O. Box 840
Fernley, NV 89408
775-575-2281 Fax: 575-4387
Production:
- Specialty clays - 43,232 tons
Section II

Humboldt County

Hycroft Mine (1)
Operator:

Hycroft Mining Company
P.O. Box 3030
Winnemucca, NV 89446
775-623-5260  Fax:623-0215
Company employees: 98
Contract employees: 5

Production:
Gold - 107,998 oz
Silver - 621,788 oz

Lone Tree Complex (2)
Operator:

Newmont Mining Corp.
P.O. Box 388
Valmy, NV 89438
775-738-4000
Company employees: 56
Contract employees: 61

Production:
Gold - 21,349 oz
Marigold Mine (3)
Operator:
   Silver Standard Resources, Inc.
   P.O. Box 160
   Valmy, NV 89438
   775-635-2317  Fax: 635-2551
   Company employees: 365
   Contract employees: 14
Production:
   Gold - 207,005 oz
   Silver - 2,841 oz

MIN-AD Mine (4)
Operator:
   MIN-AD, Inc.
   P.O. Box 39
   Winnemucca, NV 89446
   775-623-5944  Fax: 623-9028
   Company employees: 15
Production:
   Dolomite - 46,183 tons (shipped)

Pinson Mine (5)
Operator:
   Atna Resources, Inc.
   P.O. Box 969
   Winnemucca, NV 89446
   775-529-5026  Fax: 529-5030
Production:
   Gold - 16,898 oz
   (Mining ceased in 2015)

Turquoise Ridge Joint Venture (6)
Operator:
   Barrick Gold Corporation
   2055 Getchell Mine Road
   Golconda, NV 89414
   775-748-3172  Fax: 748-3125
   Company employees: 497
   Contract employees: 101
Production:
   Gold - 289,421 oz

Twin Creeks Mine (7)
Operator:
   Newmont Mining Corp.
   P.O. Box 69
   Golconda, NV 89414
   775-635-9400  Fax: 635-4602
   Company employees: 485
   Contract employees: 297
Production:
   Gold - 470,759 oz
   Silver - 143,631 oz
Pershing County

Coeur Rochester Mine (8)
Operator:
   Coeur Rochester, Inc.
   P.O. Box 1057
   Lovelock, NV 89419
   775-273-7995   Fax: 273-7423
   Company employees: 301
   Contract employees: 36
Production:
   Gold - 52,588 oz
   Silver - 4,630,739 oz

Colado Mine (9)
Operator:
   EP Minerals, LLC
   P.O. Box 959
   Lovelock, NV 89419
   775-824-7591   Fax: 824-7595
   Company employees: 35
Production:
   Diatomite - 156,565 tons

Florida Canyon Mine (10)
Operator:
   Jipangu Florida Canyon Mining, Inc.
   P.O. Box 330
   Imlay, NV 89418
   775-538-7300   Fax: 538-7691
   Company employees: 51
Production:
   Gold - 21,716 oz
   Silver - 67,687 oz

Nassau Mine (11)
Operator:
   American Colloid Company
   P.O. Box 428
   Lovell, WY 82431
   307-548-6521   Fax: 548-6449
Production:
   Bentonite - No mine production in 2015

Relief Canyon Limestone Mine (12)
Operator:
   Nevada Cement Company
   P.O. Box 840
   Fernley, NV 89408
   775-575-2281   Fax: 575-4387
   Company employees: 6
Production:
   Limestone - 28,865 tons

Sexton Mine (13)
Operator:
   Nutritional Additives Corp.
   415 Wellington St.
   Winnemucca, NV 89445
   775-623-1151   Fax: 623-1153
Production:
   Dolomite - No mine production in 2015

Sunrise Placer Mine (14)
Operator:
   Sunrise Minerals, LLC
   9405 Betty Lane
   Winnemucca, NV 89445
   775-340-7044   Fax: 623-5043
   Company employees: 8
Production:
   Gold - 471 oz
   Silver - 210 oz
Coeur Rochester, Sunflower pit, Pershing County
(Rich Perry 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: 1,140
Production:
   Gold - 642,493 oz
   Silver - 67,223 oz

Ruby Hill Mine (3)
Operator:
   Ruby Hill Mining Co.
   P.O. Box 676
   Eureka, NV 89316
   775-401-6435
   Company employees: 14
Production:
   Gold - 10,673 oz
   Silver - 24,842 oz

Eastern Nevada Operations
(Carlin Operations) (2)
Operator:
   Newmont Mining Corp.
   1655 Mountain City Highway
   Elko, NV 89801
   775-778-4000   Fax: 778-4360
   Company employees: 2,189
   Contract employees: 431
Production:
   Gold - 885,242 oz
   Silver - 92,173 oz
Lander County

Argenta Mine (4)
Operator:
Baker Hughes, Inc.
P.O. Box 277
Battle Mountain, NV 89820
775-635-5441 Fax: 635-5455
Shipped:
Barite - No Mine production in 2015

Cortez Hills Mine (5)
Operator:
Barrick Cortez, Inc.
HC66 Box 1250
Crescent Valley, NV 89821
775-468-4400 Fax: 468-4496
Company employees: 322
Contract employees: 130
Production:
(underground only, excluding the open-pit)
Gold - 478,940 oz
Silver - 16,210 oz

Fire Creek Mine (6)
Operator:
Klondex Mines
2720 Ruby Vista Dr., Ste. 102
Elko, NV 89801
775-738-6070 Fax: 738-6050
Company employees: 69
Contract employees: 9
Production:
Gold - 77,055 oz
Silver - 92,114 oz

Greystone Mine (7)
Operator:
M-I Swaco
P.O. Box 370
Battle Mountain, NV 89820
775-635-5135 Fax: 635-2645
Company employees: 24
Shipped:
Barite - 145,367 tons

Mountain Spring Mine (8)
Operator:
M-I Swaco
P.O. Box 370
Battle Mountain, NV 89820
775-635-5135 Fax: 635-2645
Company employees: 33
Shipped:
Barite - 68,882 tons

Pipeline Mine (9)
Operator:
Barrick Cortez, Inc.
HC66 Box 1250
Crescent Valley, NV 89821
775-468-4400 Fax: 468-4496
Company employees: 923
Contract employees: 425
Production:
(includes the Cortez Hills open-pit)
Gold - 520,060 oz
Silver - 17,602 oz

Phoenix Mine (10)
Operator:
Newmont Mining Corp.
P.O. Box 1657
Battle Mountain, NV 89820
775-635-6423 Fax: 635-6460
Company employees: 485
Contract employees: 297
Production:
Gold - 183,371 oz
Silver - 966,159 oz
Copper - 46,330,821 pounds
Pilot Peak Quarry, Elko County
(Rich Perry photo).
Elko and White Pine continued on page 15 after the centerfold
Major mines, oil fields, and geothermal plants, 2015.

**Industrial Minerals**
1. Adams Claim Gypsum Mine
2. Apex Limestone Quarry
3. Argenta Barite Mine
4. Basalt Diatomite Mine
5. Big Ledge Barite Mine
6. Blue Diamond Gypsum Mine
7. Churchill Limestone Mine
8. Clark Diatomite Mine
9. Colado Diatomite Mine
10. Fernley Diatomite Operations
11. Greystone Barite Mine
12. Hazen Diatomite Mine
13. Heart of Nature Gypsum Mine
14. Huck Salt Mine
15. IMV Nevada Clay
16. Lima Nevada Gypsum Mine
17. Lucky Boy Silica Quarry
18. MIN-AD Dolomite Mine
19. Mt. Moriah Quartzite Quarry
20. Mountain Spring Barite Mine
21. Nassau Bentonite Mine
22. NCC Femley Limestone Ops.
23. NCC Flanigan Clay Mine
24. Nightingale Diatomite Mine
25. PABCO Gypsum
26. Perlite Mine
27. Pilot Peak Limestone Quarry
28. Premier Magnesia
29. Rainbow Quarry
30. Relief Canyon Limestone Mine
31. Rossi Barite Mine
32. Sexton Diatomite Mine
33. Silver Peak Lithium Ops.
34. Simplot Silica Products
35. Tenacity Perlite Mine

**Metals**
1. Bald Mountain Mine
2. Betze-Post Mine
3. Borealis Mine
4. Carlin Operations (many mines)
5. Coeur Rochester Mine
6. Cortez Hills and Pipeline Mines
7. Denton-Rawhide Mine
8. Fire Creek Mine
9. Florida Canyon Mine
10. Hollister Mine
11. Hycroft Mine
12. Jerri Canyon Mine
13. Lone Tree Complex
14. Lucerne Mine
15. Manhattan Gulch Mine
16. Marigold Mine
17. Meikle Mine
18. Midas Mine
19. Mineral Ridge Mine
20. Pan Mine
21. Phoenix Mine
22. Pinon Mine
23. Robinson Mine
24. Ruby Hill Mine
25. Smoky Valley Common Ops.
26. Sterling Mine
27. Sunrise Placer Mine
28. Turquoise Ridge Joint Venture
29. Twin Creeks Mine
30. Winnemucca Mine
31. railroad Valley (Eagle Springs, Trap Spring, Currant, Sand Dune, Grant Canyon, Bacon Flat, Kate Spring, Duckwater Creek, Sans Spring, and Ghost Ranch Fields)
32. Tomera Ranch Field

**Oil Fields**
1. Blackburn Field
2. Railroad Valley (Eagle Springs, Trap Spring, Currant, Sand Dune, Grant Canyon, Bacon Flat, Kate Spring, Duckwater Creek, Sans Spring, and Ghost Ranch Fields)
3. Tomera Ranch Field

**Geothermal Power Plants**
1. Beowawe
2. Brady's Hot Springs
3. Desert Peak 2
4. Dixie Valley
5. San Emidio
6. Soda Lake 1 and 2
7. Steamboat I, IA, II, and III, Galena
8. Stillwater 1 and 2
9. Wabuska
10. Steamboat Hills
11. Salt Wells
12. Blue Mountain
13. Tuscarora
14. Jersey Valley
15. McGinness Hills
16. Patua
17. Wild Rose
Section IV

**Jerritt Canyon Mine (3)**
Operator: Jerritt Canyon Gold, LLC
HC31 Box 78
Elko, NV 89801
775-738-5600  Fax: 758-9233
Company employees: 248
Contract employees: 224
Production:
Gold - 167,683 oz
Silver - 4,400 oz

**Meikle Mine (4)**
Operator: Barrick Goldstrike Mines, Inc.
P.O. Box 29
Elko, NV 89803
775-748-1001  Fax: 748-1240
Company employees: 638
Production:
Gold - 411,003 oz
Silver - 17,749 oz

**Midas Mine (5)**
Operator: Klondex Mines
2720 Ruby Vista Dr., Ste. 102
Elko, NV 89801
775-738-6070  Fax: 738-6050
Company employees: 159
Contract employees: 21
Production:
Gold - 28,838 oz
Silver - 1,513,112 oz

**Pilot Peak Quarry (6)**
Operator: Graymont
P.O. Box 2520
West Wendover, NV 89883
775-483-5463
Company employees: 52
Production:
Limestone - 1,259,359 tons

**Rossi Mine (7)**
Operator: Halliburton Energy Services
912 Dunphy Ranch Rd.
Battle Mountain, NV 89820
775-468-0515  Fax: 468-2060
Company employees: 30
Contract employees: 10
Shipped: Barite - 184,613 tons

**White Pine County**

**Bald Mountain Mine (8)**
Operator: Barrick Gold U.S., Inc.
P.O. Box 2706
Elko, NV 89803
775-237-7100  Fax: 237-7101
Company employees: 438
Contract employees: 157
Production:
Gold - 191,088 oz
Silver - 26,164 oz

**Mt. Moriah Quarry (9)**
Operator: Mt. Moriah Stone Quarries
#10 Hatch Rock Rd.
Baker, NV 89311
435-855-2232  Fax: 855-2332
Company employees: 37
Production:
Quartzite - 8,126 tons

**Pan Mine (10)**
Operator: MDW Pan, LLP
P.O. Box 150278
Ely, NV 89315
775-738-6070  Fax: 738-6050
Company employees: 16
Contract employees: 27
Production:
Gold - 131,307,031 pounds
Gold - 60,360 oz
Molybdenite - 905,061 pounds

**Robinson Mine (11)**
Operator: KGHM International, Ltd.
P.O. Box 382
Ruth, NV 89319
775-289-7000  Fax: 289-7349
Company employees: 605
Contract employees: 12
Production:
Copper - 131,307,031 pounds
Gold - 60,360 oz
Molybdenite - 905,061 pounds
Churchill County

Churchill Mine (1)
Operator:
Nevada Cement Co.
P.O. Box 840
Fernley, NV 89408
775-575-2281   Fax: 575-4387
Company employees: 6
Production:
Limestone - 519,125 tons
Section V

Fernley Operations (2)
Operator:
EP Minerals, LLC
P.O. Box 860
Fernley, NV 89408
775-423-6668   Fax: 423-6411
Company employees: 35
Production:
Diatomite - 31,817 tons

Hazen Mine (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 - 9,283 tons

Huck Salt (4)
Operator:
Huck Salt Company
2900 Phritzie Ln.
Fallon, NV 89406
775-423-2055   Fax: 423-0467
Company employees: 9
Shipped:
Salt - 11,649 tons

Nightingale Mine (5)
Operator:
Imerys Minerals California, Inc.
100 Front Street
Fernley, NV 89408
775-575-2536   Fax: 575-1570
Company employees: 14
Contract employees: 4
Production:
Diatomite - 27,800 tons

Perlite Mine (6)
Operator:
EP Minerals, LLC
640 Clark Station
Sparks, NV 89434
775-824-7700   Fax: 824-7715
Company employees: 5
Production:
Perlite - 23,730 tons

Mineral County

Borealis Mine (7)
Operator:
Borealis Mining Company, LLC
P.O. Box 549
Hawthorne, NV 89415
775-341-0042
Company employees: 40
Production:
Gold - 7,998 oz
Silver - 29,321 oz

Denton-Rawhide Mine (8)
Operator:
Rawhide Mining, LLC
P.O. Box 2070
Fallon, NV 89407
775-945-1015   Fax: 945-1213
Company employees: 62
Contract employees: 30
Production:
Gold - 23,334 oz
Silver - 147,316 oz

Lucky Boy Quarry (9)
Operator:
James Hardie Building Products, Inc.
P.O. Box 295
Goldfield, NV 89013
775-482-1176
Production:
Silica sand - No mine production in 2015
Esmeralda County

Basalt Mine (1)
Operator:
Grefco Minerals, Inc.
P.O. Box 278
Dyer, NV 89010
775-573-2422
Company employees: 15
Production:
Diatomite - 1,687 tons
Section VI

Heart of Nature (2)
Operator:
Heart of Nature, LLC
34710 7th Standard Rd.
Bakersfield, CA 93314
661-399-9755 Fax: 399-9758
Company employees: 1
Contract employees: 4
Production:
Gypsum/sulfur soil amendment
- 27,757 tons

Mineral Ridge Mine (3)
Operator:
Mineral Ridge Gold, LLC
1515 7th St.
Elko, NV 89801
702-799-9273 Fax: 775-753-4780
Company employees: 85
Contract employees: 30
Production:
Gold - 39,690 oz
Silver - 19,742 oz

Silver Peak Operations (4)
Operator:
Rockwood Lithium, Inc.
P.O. Box 98
Silver Peak, NV 89047
775-937-2222 Fax: 937-2250
Company employees: 72
Contract employees: 10
Shipped:
Lithium compounds - 11,716,536 lbs

Manhattan Gulch Mine (6)
Operator:
A.U. Mines, Inc.
P.O. Box 72
Manhattan, NV 89022
775-487-2465 Fax: 487-2467
Production:
Gold - Ceased mine operations in 2015

Premier Magnesia (7)
Operator:
Premier Magnesia, LLC
P.O. Box 177
Gabbs, NV 89409
775-285-2601 Fax: 285-4021
Company employees: 110
Contract employees: 5
Shipped:
Magnesium compounds - 108,943 tons

Smoky Valley Common Operation (8)
Operator:
Round Mountain Gold Corp.
P.O. Box 480
Round Mountain, NV 89045
775-377-2366 Fax: 377-3224
Company employees: 867
Contract employees: 236
Production:
Gold - 385,159 oz
Silver - 775,025 oz

Sterling Mine (9)
Operator:
Sterling Gold Mining Corp.
P.O. Box 549
Beatty, NV 89003
866-608-4381 Fax: 775-981-9044
Company employees: 5
Production:
Gold - 1,700 oz

Nye County

IMV Nevada (5)
Operator:
Lhoist North America of Arizona
P.O. Box 86
Amargosa Valley, NV 89020
775-372-5341 Fax: 372-5320
Company employees: 26
Contract employees: 8
Production:
Specialty clays - 30,299 tons
Section VII

Clark County

Apex Quarry (1)
Operator:
Lhoist North America
12101 N. Las Vegas Blvd.
North Las Vegas, NV 89165
702-643-7702   Fax: 643-9517
   Company employees: 140
   Contract employees: 15
Production:
   Limestone - 1,465,733 tons
   Dolomite - 286,598 tons

Blue Diamond Hill Mine (2)
Operator:
Gypsum Resource Materials, LLC
P.O. Box 147
Blue Diamond, NV 89004
702-830-3378   Fax: 441-7148
   Company employees: 53
   Contract employees: 20
Production:
   Gypsum - 1,602,431 tons
   Limestone - 4,432,395 tons

Lima Nevada Gypsum Mine (3)
Operator:
H. Lima Nevada, LLC
704 E. Yosemite
Manteca, CA 95336
661-549-0784   Fax: 363-2294
   Company employees: 8
   Contract employees: 1
Production:
   Gypsum - 25,082 tons

PABCO Gypsum Mine (4)
Operator:
PABCO Building Products, LLC
P.O. Box 364329
North Las Vegas, NV 89036
702-407-3700   Fax: 643-6249
   Company employees: 17
   Contract employees: 1
Production:
   Gypsum - 1,249,931 tons

Rainbow Quarry (5)
Operator:
Las Vegas Rock, Inc.
P.O. Box 19118
2 Jean Prison Rd.
Jean, NV 89019
702-791-7625   Fax: 896-4533
   Company employees: 15
Production:
   Meta-quartzite - 81,500 tons

Simplot Silica Products (6)
Operator:
J.R. Simplot Company
P.O. Box 308
Overton, NV 89040
702-397-2667   Fax: 397-2798
   Company employees: 41
Shipped:
   Silica sand - 778,484 tons

Lincoln County

Tenacity Perlite Mine (7)
Operator:
Wilkin Mining & Trucking, Inc.
HC 34 Box 199
Caliente, NV 89008
775-728-4463
   Company employees: 13
Production:
   Perlite - 2,184 tons
### Summary of 2015 production

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>5,339,659 ounces</td>
</tr>
<tr>
<td>Silver</td>
<td>9,498,051 ounces</td>
</tr>
<tr>
<td>Barite (shipped)</td>
<td>516,380 tons</td>
</tr>
<tr>
<td>Copper</td>
<td>177,637,852 pounds</td>
</tr>
<tr>
<td>Diatomite</td>
<td>227,152 tons</td>
</tr>
<tr>
<td>Dolomite</td>
<td>332,781 tons</td>
</tr>
<tr>
<td>Gypsum</td>
<td>3,397,974 tons</td>
</tr>
<tr>
<td>Limestone</td>
<td>7,811,487* tons</td>
</tr>
<tr>
<td>Lithium compounds (shipped)</td>
<td>11,716,536 pounds</td>
</tr>
<tr>
<td>Magnesium compounds (shipped)</td>
<td>108,943 tons</td>
</tr>
<tr>
<td>Molybdenite</td>
<td>905,061 pounds</td>
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<tr>
<td>Perlite</td>
<td>25,914 tons</td>
</tr>
<tr>
<td>Salt (shipped)</td>
<td>11,649 tons</td>
</tr>
<tr>
<td>Silica sand (shipped)</td>
<td>778,484 tons</td>
</tr>
<tr>
<td>Specialty clay</td>
<td>73,531 tons</td>
</tr>
</tbody>
</table>

* Sloan Quarry production not reported
Economic Impacts of Mining in Nevada—2015

Nevada’s mining industry recorded approximately $7.37 billion in total value of all commodities in 2015, representing a 2.4% decrease from the $7.55 billion value in 2014. Nearly 86% of the value was driven by gold and silver, which contributed just over $6.3 billion, based on the actual gross proceeds reported to the Nevada Department of Taxation. According to Kitco Metals Inc. (www.kitco.com), the average prices for gold and silver in 2015 were $1,160.06 and $15.68 per troy ounce, respectively. Nevada led the nation in 2015 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, diatomite, dolomite, geothermal energy, gypsum, lapidary and gem stones, limestone, molybdenite, oil, perlite, salt, silica sand, silver, and specialty aggregates. A summary of commodity production amounts, value, and year by year percentage changes can be seen in table 1.

Production Highlights

Nevada’s gold production was 5,339,659 troy ounces in 2015 compared to 4,940,540 troy ounces in 2014, an increase of 8%. According to the USGS, Nevada remains the nation’s top gold producer with about 83% (166 metric tonnes) of the U.S. total (200 metric tonnes) and would rank 4th in world gold production behind China, Australia and Russia. A summary of 2015 metal production, ranked by producer, is shown in table 2.

Table 1. Summary of 2015 Nevada Mineral Commodity Production

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Production Amount</th>
<th>Unit</th>
<th>YOY Change (%)</th>
<th>Value ($)</th>
<th>YOY Value Change (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>5,339,659</td>
<td>ounces</td>
<td>8.1%</td>
<td>$6,194,324,820</td>
<td>-1.0%</td>
</tr>
<tr>
<td>Silver</td>
<td>9,498,051</td>
<td>ounces</td>
<td>-13.1%</td>
<td>$148,929,440</td>
<td>-28.6%</td>
</tr>
<tr>
<td>Barite (shipped)</td>
<td>516,380</td>
<td>tons</td>
<td>-36.1%</td>
<td>$60,003,381</td>
<td>-42.1%</td>
</tr>
<tr>
<td>Copper</td>
<td>177,637,852</td>
<td>pounds</td>
<td>33.9%</td>
<td>$400,996,700</td>
<td>1.4%</td>
</tr>
<tr>
<td>Diatomite</td>
<td>227,152</td>
<td>tons</td>
<td>-40.7%</td>
<td>$43,117,879</td>
<td>1.1%</td>
</tr>
<tr>
<td>Dolomite</td>
<td>332,781</td>
<td>tons</td>
<td>-4.0%</td>
<td>$3,766,691</td>
<td>-4.7%</td>
</tr>
<tr>
<td>Geothermal energy (sold)</td>
<td>3,114,842</td>
<td>megawatt hours</td>
<td>13.6%</td>
<td>$240,033,610</td>
<td>17.4%</td>
</tr>
<tr>
<td>Gypsum</td>
<td>3,397,974</td>
<td>tons</td>
<td>21.2%</td>
<td>$37,294,471</td>
<td>12.0%</td>
</tr>
<tr>
<td>Limestone</td>
<td>7,811,487</td>
<td>tons</td>
<td>-1.1%</td>
<td>$36,928,188</td>
<td>-4.4%</td>
</tr>
<tr>
<td>Lithium compounds (shipped)</td>
<td>11,716,536</td>
<td>pounds</td>
<td>24.2%</td>
<td>$25,598,063</td>
<td>24.1%</td>
</tr>
<tr>
<td>Magnesium compounds (shipped)</td>
<td>108,943</td>
<td>tons</td>
<td>5.5%</td>
<td>$6,696,597</td>
<td>-0.1%</td>
</tr>
<tr>
<td>Molybdenite</td>
<td>905,061</td>
<td>pounds</td>
<td>22.0%</td>
<td>$7,322,766</td>
<td>-16.0%</td>
</tr>
<tr>
<td>Oil (sold)</td>
<td>281,875</td>
<td>barrels</td>
<td>-9.6%</td>
<td>$12,606,644</td>
<td>-53.2%</td>
</tr>
<tr>
<td>Perlite</td>
<td>25,914</td>
<td>tons</td>
<td>-21.1%</td>
<td>$2,770,366</td>
<td>-55.4%</td>
</tr>
<tr>
<td>Salt (shipped)</td>
<td>11,649</td>
<td>tons</td>
<td>-18.1%</td>
<td>$454,311</td>
<td>-14.3%</td>
</tr>
<tr>
<td>Silica sand (shipped)</td>
<td>778,484</td>
<td>tons</td>
<td>6.0%</td>
<td>$21,186,659</td>
<td>10.1%</td>
</tr>
<tr>
<td>Specialty clays</td>
<td>73,531</td>
<td>tons</td>
<td>-54.1%</td>
<td>$7,523,135</td>
<td>-14.8%</td>
</tr>
<tr>
<td>Aggregates</td>
<td>27,998,707</td>
<td>tons</td>
<td>20.4%</td>
<td>$121,000,000</td>
<td>-28.0%</td>
</tr>
</tbody>
</table>

Total Value $7,370,553,720 -2.4
Employment

According to the Nevada Department of Employment, Training, and Rehabilitation, the Nevada mining industry, including support activities and oil and gas extraction, employed an average of 14,196 employees in 2015. The average pay for mineral industry employees during this time was $92,077 per year, the second highest average of any employment sector in the state. 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 $2.66 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.

Gold Reserves

Gold reserves are defined as that portion of a gold ore deposit known to be economically feasible for extraction. 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 mining

Table 2. 2015 Nevada Metal Production, by Producer

<table>
<thead>
<tr>
<th>Operator</th>
<th>Gold (ozs)</th>
<th>Silver (ozs)</th>
<th>Copper (lbs)</th>
<th>Moly (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrick</td>
<td>2,663,902</td>
<td>557,303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newmont</td>
<td>1,633,076</td>
<td>1,201,963</td>
<td>46,330,821</td>
<td></td>
</tr>
<tr>
<td>Silver Standard Resources</td>
<td>207,005</td>
<td>2,841</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinross</td>
<td>192,580</td>
<td>387,513</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jerritt Canyon</td>
<td>167,683</td>
<td>4,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hycroft</td>
<td>107,998</td>
<td>621,788</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kiondex</td>
<td>105,893</td>
<td>1,605,226</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KGHM International</td>
<td>60,360</td>
<td></td>
<td>131,307,031</td>
<td>905,061</td>
</tr>
<tr>
<td>Coeur Rochester</td>
<td>52,588</td>
<td>4,630,739</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Ridge Gold</td>
<td>39,690</td>
<td>19,742</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rawhide Mining</td>
<td>23,334</td>
<td>147,316</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jipangu International</td>
<td>21,716</td>
<td>67,687</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Midway Gold</td>
<td>21,316</td>
<td>680</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comstock Mining</td>
<td>15,451</td>
<td>221,723</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atna Resources</td>
<td>16,898</td>
<td>NR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Borealis Mining</td>
<td>7,998</td>
<td>29,321</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterling Gold Mining</td>
<td>1,700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunrise Minerals</td>
<td>471</td>
<td>210</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>5,339,659</td>
<td>9,498,051</td>
<td>177,637,852</td>
<td>905,061</td>
</tr>
</tbody>
</table>
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 has the same effect as a lowering of the gold price, thus increasingly complex and expensive regulations can reduce reserves. The publically reported reserves, at 2015 year end, were approximately 70 million ounces of gold, and assuming similar economic conditions, are sufficient to sustain gold production near current levels in Nevada for about 12–15 years, see table 3.

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. 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, like gold reserves, are closely tied to economic conditions and commodity prices. The amount of exploration activity in 2015 continued to decrease, largely due to declining gold prices, which ranged from a high of $1,295.75 in January to a low of $1,049.40 in December of 2015.

Oil and Geothermal Activity

Economic activity from oil and gas exploration and production is relatively minor when compared to mining, but are 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. Exploration activity and production were both negatively impacted by the price of crude in 2015, which ranged from a monthly average high of $59.82 to a low of $30.32, considerably less than the $93.17 average price in 2014 for a barrel of West Texas Intermediate crude. Oil production in 2015 was 281,382 barrels (42 gallons per barrel), with 281,875 barrels sold worth approximately $12.6 million. Table 4 summarizes the number of barrels sold and wells by operator and field in 2015.

Nevada is rich in geothermal resources and is second only to California in the production of geothermal energy.

Table 3. Nevada Mine Reserves (Proven and Probable) Reported for End of Year 2015

<table>
<thead>
<tr>
<th>Company</th>
<th>Mine</th>
<th>Gold (ozs)</th>
<th>Silver (ozs)</th>
<th>Copper (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newmont</td>
<td>Carlin Operations</td>
<td>16,780,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newmont</td>
<td>Phoenix</td>
<td>5,010,000</td>
<td>73,510,000</td>
<td>1,750,000,000</td>
</tr>
<tr>
<td>Newmont</td>
<td>Twin Creeks</td>
<td>5,130,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newmont</td>
<td>Turquoise Ridge (25%)</td>
<td>1,400,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newmont</td>
<td>Long Canyon</td>
<td>1,200,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrick</td>
<td>Goldstrike (OP and UG)</td>
<td>8,539,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cortez</td>
<td>11,129,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turquoise Ridge (75%)</td>
<td>4,214,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>South Arturo</td>
<td>233,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coeur</td>
<td>Rochester</td>
<td>477,000</td>
<td>79,343,000</td>
<td></td>
</tr>
<tr>
<td>Kinross</td>
<td>Round Mountain (100% as of 1/1/16)</td>
<td>1,470,000</td>
<td>870,000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bald Mountain (100% as of 1/1/16)</td>
<td>1,117,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hycroft Mining</td>
<td>Hycroft</td>
<td>10,550,000</td>
<td></td>
<td>4,627,500</td>
</tr>
<tr>
<td>Silver Standard</td>
<td>Marigold</td>
<td>2,170,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Klondex</td>
<td>Midas</td>
<td>72,000</td>
<td>3,304,700</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fire Creek</td>
<td>314,600</td>
<td>233,333</td>
<td></td>
</tr>
<tr>
<td>KGHM</td>
<td>Robinson</td>
<td></td>
<td></td>
<td>1,062,000,000</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>69,805,600</td>
<td>161,888,533</td>
<td>2,812,000,000</td>
</tr>
</tbody>
</table>
For 2015, Nevada had 24 plants at 17 fields that sold approximately 3.1 million megawatt hours of electricity worth approximately $240 million (see table 5). According to the U.S. Energy Information Association, this is enough to power about 280,000 Nevada residential homes 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.

**Conclusion**

Nevada’s mineral industry continued to be a major economic force in the state with a total value of over $7 billion in 2015. Given a stable price and regulatory environment, this situation should continue for many years to come. Nevada is a major natural resource producer and has significant mineral and energy resources that can provide strong economic development into the future.

### Table 4. Nevada Oil Production in 2015

<table>
<thead>
<tr>
<th>Operator</th>
<th>Producing Field</th>
<th># of Producing Wells</th>
<th>Total Barrels Sold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Makoil</td>
<td>Trap Spring</td>
<td>28</td>
<td>114,214</td>
</tr>
<tr>
<td>Grant Canyon</td>
<td>Grant Canyon</td>
<td>3</td>
<td>43,164</td>
</tr>
<tr>
<td>Kirkwood</td>
<td>Eagle Springs</td>
<td>12</td>
<td>32,628</td>
</tr>
<tr>
<td>Grant Canyon</td>
<td>Blackburn</td>
<td>5</td>
<td>32,055</td>
</tr>
<tr>
<td>Western General</td>
<td>Kate Spring</td>
<td>3</td>
<td>21,785</td>
</tr>
<tr>
<td>Kirkwood</td>
<td>Ghost Ranch</td>
<td>3</td>
<td>9,840</td>
</tr>
<tr>
<td>Frontier Exploration</td>
<td>Trap Spring</td>
<td>6</td>
<td>6,120</td>
</tr>
<tr>
<td>Makoil</td>
<td>Kate Springs</td>
<td>1</td>
<td>5,626</td>
</tr>
<tr>
<td>Makoil</td>
<td>Ghost Ranch</td>
<td>1</td>
<td>5,436</td>
</tr>
<tr>
<td>Grant Canyon</td>
<td>Bacon Flats</td>
<td>1</td>
<td>4,891</td>
</tr>
<tr>
<td>Kirkwood</td>
<td>Sand Dune</td>
<td>1</td>
<td>2,600</td>
</tr>
<tr>
<td>Grant Canyon</td>
<td>Sans Spring</td>
<td>1</td>
<td>1,213</td>
</tr>
<tr>
<td>Andromeda</td>
<td>Tomera</td>
<td>2</td>
<td>1,117</td>
</tr>
<tr>
<td>Noble Energy</td>
<td>Huntington</td>
<td>1</td>
<td>986</td>
</tr>
<tr>
<td>Makoil</td>
<td>Currant</td>
<td>1</td>
<td>141</td>
</tr>
<tr>
<td>Makoil</td>
<td>Duckwater Crk</td>
<td>1</td>
<td>45</td>
</tr>
<tr>
<td>Makoil</td>
<td>E Inselberg</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td><strong>71</strong></td>
<td><strong>281,875</strong></td>
</tr>
</tbody>
</table>

### Table 5. Nevada Geothermal Production in 2015 by Company

<table>
<thead>
<tr>
<th>Company</th>
<th>Total Output (Sales) MWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ormat Nevada Inc.</td>
<td>1,797,415</td>
</tr>
<tr>
<td>Terra-Gen Dixie Valley LLC</td>
<td>462,471</td>
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<tr>
<td>NGP Blue Mountain 1 LLC</td>
<td>243,659</td>
</tr>
<tr>
<td>Enel North America Inc.</td>
<td>233,645</td>
</tr>
<tr>
<td>Patua Project LLC</td>
<td>121,026</td>
</tr>
<tr>
<td>Beowawe Power LLC</td>
<td>100,569</td>
</tr>
<tr>
<td>USG Nevada LLC</td>
<td>79,538</td>
</tr>
<tr>
<td>Cyrq Energy</td>
<td>66,864</td>
</tr>
<tr>
<td>Homestretch Energy</td>
<td>9,655</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>3,114,842</strong></td>
</tr>
</tbody>
</table>
Huck Salt, Churchill County
(Rich Perry photo).

Wild Rose production wells, Mineral County
(Lowell Price photo).
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams Claim Gypsum Mine</td>
<td>5</td>
</tr>
<tr>
<td>Apex Quarry</td>
<td>21</td>
</tr>
<tr>
<td>Argenta Mine</td>
<td>12</td>
</tr>
<tr>
<td>Bald Mountain Mine</td>
<td>15</td>
</tr>
<tr>
<td>Basalt Diatomite Mine</td>
<td>18</td>
</tr>
<tr>
<td>Betze-Post Mine</td>
<td>11</td>
</tr>
<tr>
<td>Big Ledge Mine</td>
<td>14</td>
</tr>
<tr>
<td>Blue Diamond Hill Mine</td>
<td>21</td>
</tr>
<tr>
<td>Borealis Mine</td>
<td>17</td>
</tr>
<tr>
<td>Carlin Operations</td>
<td>11</td>
</tr>
<tr>
<td>Churchill Mine</td>
<td>16</td>
</tr>
<tr>
<td>Clark Mine</td>
<td>5</td>
</tr>
<tr>
<td>Coeur Rochester Mine</td>
<td>8</td>
</tr>
<tr>
<td>Colado Mine</td>
<td>8</td>
</tr>
<tr>
<td>Cortez Hills Mine</td>
<td>12</td>
</tr>
<tr>
<td>Denton-Rawhide Mine</td>
<td>17</td>
</tr>
<tr>
<td>Fernley Diatomite Operations</td>
<td>17</td>
</tr>
<tr>
<td>Fire Creek Mine</td>
<td>12</td>
</tr>
<tr>
<td>Florida Canyon Mine</td>
<td>8</td>
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<tr>
<td>Greystone Mine</td>
<td>12</td>
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<tr>
<td>Hazen Mine</td>
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<tr>
<td>Heart of Nature</td>
<td>19</td>
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<tr>
<td>Hollister Mine</td>
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<tr>
<td>Huck Salt</td>
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<td>Hycroft Mine</td>
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<tr>
<td>IMV Nevada</td>
<td>19</td>
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<tr>
<td>Jerritt Canyon Mine</td>
<td>15</td>
</tr>
<tr>
<td>Lima Nevada Gypsum Mine</td>
<td>21</td>
</tr>
<tr>
<td>Lone Tree Complex</td>
<td>6</td>
</tr>
<tr>
<td>Lucerne Mine</td>
<td>5</td>
</tr>
<tr>
<td>Lucky Boy Quarry</td>
<td>17</td>
</tr>
<tr>
<td>Manhattan Gulch Mine</td>
<td>19</td>
</tr>
<tr>
<td>Marigold Mine</td>
<td>7</td>
</tr>
<tr>
<td>Meikle Mine</td>
<td>15</td>
</tr>
<tr>
<td>Midas Mine</td>
<td>15</td>
</tr>
<tr>
<td>MIN-AD Mine</td>
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<tr>
<td>Mineral Ridge Mine</td>
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<tr>
<td>Mt. Moriah Quarry</td>
<td>15</td>
</tr>
<tr>
<td>Mountain Spring Mine</td>
<td>12</td>
</tr>
<tr>
<td>Nassau Mine</td>
<td>8</td>
</tr>
<tr>
<td>NCC Flanigan Clay Mine</td>
<td>5</td>
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<tr>
<td>NCC Fernley Operations</td>
<td>5</td>
</tr>
<tr>
<td>Nightingale Mine</td>
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</tr>
<tr>
<td>PABCO Gypsum Mine</td>
<td>21</td>
</tr>
<tr>
<td>Pan Mine</td>
<td>15</td>
</tr>
<tr>
<td>Perlite Mine</td>
<td>17</td>
</tr>
<tr>
<td>Phoenix Mine</td>
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</tr>
<tr>
<td>Pilot Peak Quarry</td>
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</tr>
<tr>
<td>Pinson Mine</td>
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</tr>
<tr>
<td>Pipeline Mine</td>
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<tr>
<td>Premier Magnesia</td>
<td>19</td>
</tr>
<tr>
<td>Rainbow Quarry</td>
<td>21</td>
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<tr>
<td>Relief Canyon Limestone Mine</td>
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<tr>
<td>Robinson Mine</td>
<td>15</td>
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<tr>
<td>Rossi Mine</td>
<td>15</td>
</tr>
<tr>
<td>Ruby Hill Mine</td>
<td>11</td>
</tr>
<tr>
<td>Sexton Mine</td>
<td>8</td>
</tr>
<tr>
<td>Silver Peak Lithium Operations</td>
<td>19</td>
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<tr>
<td>Simplot Silica Products</td>
<td>21</td>
</tr>
<tr>
<td>Smoky Valley Common Operation</td>
<td>19</td>
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<tr>
<td>Sterling Mine</td>
<td>19</td>
</tr>
<tr>
<td>Sunrise Placer Mine</td>
<td>8</td>
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<tr>
<td>Tenacity Perlite Mine</td>
<td>21</td>
</tr>
<tr>
<td>Turquoise Ridge Joint Venture</td>
<td>7</td>
</tr>
<tr>
<td>Twin Creeks Mine</td>
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</table>