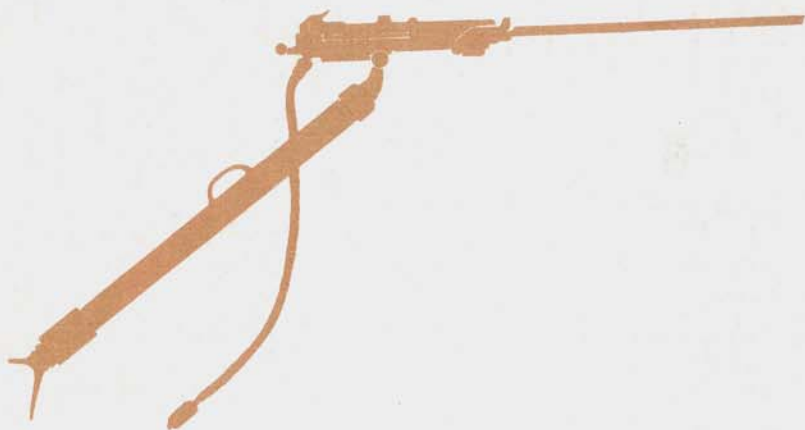


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**DIRECTORY OF
MINING
ENTERPRISES
FOR 1979**

compiled by
D. C. Lawson



Bulletin 111

1980

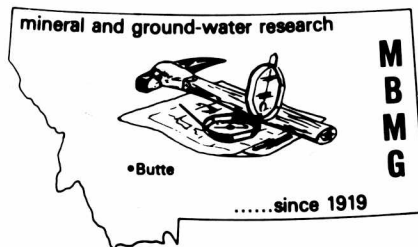
Montana Bureau of Mines and Geology
A Department of
Montana College of Mineral Science and Technology

Bulletin 111



DIRECTORY OF MINING ENTERPRISES FOR 1979

**compiled by
D. C. Lawson**



1980

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Preface

Each year Bureau geologists visit many mining properties in Montana in addition to work on their regular field projects. As it is not possible to visit in person all properties in the state during the year, information is requested from Montana mine operators and owners relating to mining activities. The responses to this canvassing and personal interviews are then compiled and published annually in our Directory of Mining Enterprises.

Mining enterprises are listed systematically in categories in the main body of the Directory, either under *Metal Mines* or under *Nonmetal Mines, Pits and Quarries*. In order, these categories are type of ore or mineral produced; county in which the mine is situated; and the name of the mine. Additional information includes location of the property based on legal subdivisions of land survey; type of ore mined; mining district in which the property is situated; number of employees; mill capacity, if any; operator's name and address; owner's name and address; and yearly status, i.e., whether the property produced ore during the year, is still producing, developed ore without producing, or remained totally inactive. To facilitate looking up a mining enterprise, an index of mines, mine owners and operators is included at the back of the Directory.

The Directory also contains a list of presently inactive mines. The list is not a complete one, as it is not possible to list all such mining properties in Montana in a publication this size. For this reason, the list is a compilation of only those properties that have undergone development work or have produced ore within recent years but were inactive for a period of more than one year. Mines inactive for a period of three consecutive years are dropped entirely from the Directory.

The compiler thanks the many Montana mine owners and operators for allowing information on their activities to be published. Every effort has been made to publish exact and complete information. The fact that a property is listed in the Directory, however, is not to be regarded as an endorsement of the property by the Montana Bureau of Mines and Geology. Conversely, if a property is omitted from the Directory, the omission is not to be taken as questioning its value or future. Such omissions are known to occur, but most are traceable to failure by the last known operator to respond to repeated requests for necessary information. Nevertheless, in most such cases, the missing data have been supplied from the best sources available.

For their cooperation in the compilation of the Directory, special acknowledgments are due George T. Krempasky, U.S. Bureau of Mines, who contributed the foreword, and to Max Salazar, State Mine Inspector.

If any additional facts or corrections can be provided, please submit such information to the Montana Bureau of Mines and Geology, Butte, Montana 59701. Your help is needed to keep this yearly publication up to date and as accurate as possible.

The abbreviations and symbols used throughout the Directory are: (sec.), section; (T.), township; (R.), range; (t/d), tons per day; (*) openpit; (**) openpit and underground.

D. C. Lawson
Staff Field Agent
Montana Bureau of Mines and Geology

Butte
March 3, 1980

Foreword

According to the Bureau of Mines, U.S. Department of the Interior, estimated value of 1979 Montana nonfuels mineral production was nearly \$279 million, a 36% increase over that of 1978 (**Table 1, Appendix**). Copper continued to be the State's principal nonfuel commodity. Cement was the leading nonmetal commodity.

Nonfuel mineral resources are of great economic importance to the State. Resources and reserves of most commodities produced are available. Exploration for additional resources is at a relatively high pitch, with development of suitable deposits.

The Atlantic Richfield Company contributed \$565 million to its subsidiary, The Anaconda Company. Anaconda is continuing its deep-hole exploration project, and has initiated a feasibility program related to resumption of underground operations at Butte. The Anaconda smelter was shut down one month during the year. ASARCO, Incorporated, obtained permits necessary for its Troy Project, and will recover about 20,000 tons of copper and 4.2 million ounces of silver during the mine's lifetime. Core drilling operations inside the Cabinet Mountain Wilderness area have been approved by the Forest Service. ASARCO's smelter at East Helena was shut down for one month.

The U.S. Forest Service, in its second Roadless Area and Evaluation Plan (RARE II), recommended 603,000 acres in Montana for wilderness, and 1,301,000 acres for future planning. Recommendations by the State's political leaders differ; a cursory review indicates a consensus to place about 600,000 acres into the wilderness category, and to hold from 1.3 to 1.5 million acres for further planning.

Montana's 1979 Legislature enacted laws related to taxation, mine reclamation, safety, air quality, water appropriations and utility siting that may affect the nonfuel mineral industry.

Value of products flowing from plants processing nonfuel mineral raw materials, i.e., aluminum and copper refining, lead-silver smelting, gypsum board, concrete, etc., was estimated to be about \$1.1 billion.

George T. Krempasky
State Mineral Specialist
U.S. Bureau of Mines

Spokane
February 26, 1980

PART I, METAL MINES

ANTIMONY MINES

RAVALLI COUNTY: Hamilton 59840

*DOMINIC GROUP Antimony
Sec. 35, 36, T. 7 N., R. 19 W.
Owner-Operator: Betty Lykins
Box 181, 300 S. 9th, Hamilton MT 59840
Status: Developing

SANDERS COUNTY: Thompson Falls 59873

BABBIT MINE Antimony
Prospect Creek dist., sec. 17, T. 21 N., R. 31 W.
Operator: John C. Lawrence
Box 643, Thompson Falls MT 59873
Owner: U.S. Antimony Corp.
Box 643, Thompson Falls MT 59873
Employees: 27
Mill capacity: 250 t/d, refinery, and
electrolytic plant
Smelter: High purity antimony, battery grade
antimony, antimony trioxide and sodium
antimonate
Status: Producing

GOLD, SILVER, COPPER, LEAD, ZINC MINES

BEAVERHEAD COUNTY: Dillon 59725

AJAX MINE Gold, silver, lead
Swamp Creek dist., sec. 7, T. 6 S., R. 17 W.
Operator: Clayton Jenkins
Sula MT 59871
Owner: H. E. Morse
Dillon MT 59725
Status: Developing

BURGIEROSA MINE Silver, lead, copper
Vipond Park dist.
Sec. 34, 35, T. 1 S., R. 11 W.
Owner-Operator: George S. Gluck
Ramsay MT 59748
Employees: 1
Status: Developing

BUSTER MINE Silver, gold, lead, copper, zinc
Birch Creek dist.
Sec. 17, 18, 19, 20, T. 5 S., R. 10 W.
Owner-Operator: George Langstaff
Box 422, Bridger MT 59014
Employees: 2
Status: Developing

CLEVE-AVON and FRANKLIN MINE
Gold, silver
Bryant (Hecla) dist., sec. 2, T. 3 S., R. 11 W.
Operator: Levine Enterprises
1014 McKeever Ave., Hayward CA 94541
Owner: Julius Levine
1014 McKeever Ave., Hayward CA 94541
Status: Developing

COMET GROUP Silver, lead
Elkhorn dist., sec. 26, T. 4 S., R. 12 W.
Owner-Operator: Blue Sky Mining Corp.
Dillon MT 59725
Status: Inactive

GRASS HOPPER CLAIMS NO. 1
Gold, silver, lead
Bannack dist., sec. 9, T. 8 S., R. 11 W.
Owner-Operator: Martin L. Belus
35021 W. V. H., Algona WA 98002
Status: Developing

Beaverhead County (continued)

****GROUND HOG MINE** Gold
Argenta dist.
SE¼ SE¼ sec. 18, T. 6 S., R. 10 W.
Owner-Operator: Western Mining and
Exploration Co.
P. O. Box 1298, Dillon MT 59725
Status: Developing

HAND MINE Gold, silver, lead
Argenta dist.
NW¼ NW¼ sec. 29, T. 6 S., R. 10 W.
Operator: William M. Hand
30 S. Arizona, Dillon MT 59725
Owner: Western Mining and Exploration Co.
P. O. Box 1298, Dillon MT 59725
Status: Developing

HECLA GROUP Gold, silver
Bryant (Hecla) dist., sec. 2, T. 3 S., R. 11 W.
Owner-Operator: National Minerals
1701 Stephens Ave., Missoula MT 59801
Mill capacity: 300 t/d
Employees: 3
Status: Developing

***INGERSOL GROUP** Gold, silver, lead, zinc
Blue Wing dist., sec. 3, T. 7 S., R. 11 W.,
sec. 4, T. 8 S., R. 11 W.
Owner-Operator: Rex Land Co.
Box 1771, Seattle WA 98111
Status: Inactive

***LAMPLIGHTER GROUP** Silver, copper
Vipond Park dist.
Sec. 29, unsurveyed, T. 2 S., R. 11 W.
Owner-Operator: Roy Hoekema and
Arthur Semsak
Box AB, Sultan WA 98294
Status: Developing

LAST CHANCE GROUP Gold
Vipond Park dist., sec. 9, T. 2 S., R. 11 W.
Owner-Operator: Harvey Allen
Rt. 1, Box 85, Sheridan MT 59749

****LUCKY STRIKE MINE** Gold, silver, copper
Chinatown (Horse Prairie) dist.
Sec. 14, T. 11 S., R. 13 W.
Owner-Operator: Owen Adams
Box 426, Teasdale UT 84773
Status: Inactive

MAYDAY MINE Gold, silver, lead
Argenta dist., sec. 7, T. 6 S., R. 10 W.
Owner-Operator: Rudy and Nels Nygren
Argenta Star Rt., Dillon MT 59725
Status: Developing

****POLARIS MINE** Silver
Polaris (Lost Cloud) dist.
Sec. 28, T. 5 S., R. 12 W.
Owner-Operator: Midnight Mines, Inc.
601 G, Western Bldg.
Spokane WA 99201
Employees: 2
Status: Producing, developing

QUARTZ HILL GROUP Silver
Quartz Hill dist., sec. 25, T. 1 S., R. 11 W.
Operator: GeoResources, Inc.
Box 1505, Williston ND 58801
Owner: Quartz Hill Mining Co.
Box 2902, Portland OR 97208
Status: Inactive

****SATA MAIRA RAINBOW GROUP**
Copper, silver, gold
Utopia dist., sec. 21, 27, 28, T. 5 S., R. 10 W.
Owner-Operator: J. V. Brady and
Harold Reid
Box 3, Moise MT 59824
Status: Inactive

SILVER QUEEN MINE Silver
Jake Canyon dist., sec. 17, T. 10 S., R. 7 W.
Owner-Operator: Silver Queen Explora-
tion Ltd.
2114 Curtis St., Denver CO 80205
Status: Inactive

SYLVIA MINE Gold, lead, silver
Argenta dist., sec. 13 and
24, T. 6 S., R. 10, 11 W.
Owner-Operator: Rudy and Nels Nygren
Argenta Star Rt., Dillon MT 59725
Status: Developing

Beaverhead County (continued)

TIGER GROUP Silver, tungsten, lead, zinc, copper
 Elkhorn dist., sec. 13, 14, 15, 22, 23, 26 and 27, T. 4 S., R. 12 W.
 Owner-Operator: Don L. Jenkins
 P. O. Box 1340, Dillon MT 59725
 Status: Developing

WAPITA MINE Silver, lead
 Argenta dist., sec. 22, 24, T. 11 W., R. 6 S.
 Owner-Operator: Rudy and Nels Nygren
 Argenta Star Rt., Dillon MT 59725
 Status: Developing

VIRGINIA GULCH MINE Gold, silver
 Argenta dist., sec. 15, T. 6 S., R. 11 W.
 Owner-Operator: Kenneth Langstaff
 Box 145, 5200 Argenta Rd.
 Dillon MT 59725
 Employees: 1
 Status: Developing

BLAINE COUNTY: Chinook 59523

LINDA MINE Silver, lead
 Bearpaw Mountains dist.
 Sec. 19, T. 29 N., R. 19 E.
 Owner-Operator: Bearpaw Development Co.
 Homer Pike, Secy., 1629 Fifth Ave. NW
 Great Falls MT 59401
 Status: Inactive

BROADWATER COUNTY: Townsend 59644

BLUEBIRD GROUP Copper, silver, gold, lead, zinc
 Hassel dist., sec. 1, T. 6 N., R. 1 W.
 sec. 32, T. 7 N., R. 1 E.
 Owner-Operator: Nila Tyrell
 Box 3294, Ontario CA 91761
 Status: Developing

EAST PACIFIC MINE Gold, silver, lead
 Winston dist., sec. 26, T. 8 N., R. 1 W.
 Operator: Herb Carver
 Winston MT 59647
 Owner: East Pacific Mining Co.
 c/o Bill Cullen, 1306 Washington,
 Mutual Bldg., Spokane WA 99201
 Mill capacity: 40 t/d
 Status: Inactive

CROSS MINE Lead, zinc, gold, silver
 Park dist., sec. 20, 21, T. 7 N., R. 1 W.
 Owner-Operator: L. W. Doggett,
 C. Kokoruda and F. Beniger
 810 Breckenridge, Helena MT 59601
 Employees: 3
 Status: Developing

HARD CASH MINE Gold
 Cedar Plains dist., sec. 10, 11, T. 5 N., R. 1 W.
 Operator: Don Holmes
 Radersburg MT 59641
 Owner: Jim Forkner
 6037 N. Van Hess Blvd., Fresno CA 93705
 Status: Developing

DIAMOND HILL MINE Gold, tungsten
 Hassel dist., sec. 36, T. 7 N., R. 1 W.
 Owner-Operator: Palmer Engh
 Box 231, Townsend MT 59644
 Employees: 2
 Mill capacity: 10 t/d (stamp)
 Status: Developing

JO DANDY MINE Silver, lead, zinc
 Radersburg dist., sec. 28, T. 5 N., R. 1 W.
 Owner-Operator: Quadrant Ridge Mining Co.
 c/o Alan D. Brown
 1315 W. Granite, Butte MT 59701
 Status: Inactive

Broadwater County (continued)

- **MOUNTAIN VIEW MINE** Gold, silver, lead
Winston dist., sec. 23, T. 8 N., R. 1 W.
Owner-Operator: R. Gleason, Sr.
P. O. Box 551, Deer Lodge MT 59722
Status: Inactive
- POE LEAD MINE** Silver, lead
Cedar Plains dist., sec. 4, T. 5 N., R. 1 W.
Owner: Lewella B. Forkner
6037 N. Van Hess Blvd., Fresno CA 93705
Status: Inactive
- ST. LOUIS MINE** Gold, silver
Park dist., sec. 23, 26, T. 7 N., R. 1 W.
Owner: C. Carter, Washington, D.C., and
E. Lindner, Helena MT 59601
Status: Unknown
- SANTA ANITA MINE** Gold, silver, lead, zinc
Cedar Plains dist., sec. 28, 33, T. 5 N., R. 1 W.
Owner-Operator: Quadrant Ridge Mining Co.
c/o Alan D. Brown
1315 W. Granite, Butte MT 59701
Status: Inactive
- SILVER DIKE GROUP** Gold, silver
Cedar Plains dist., sec. 4, T. 7 N., R. 1 W.
Operator: Don Holmes
Radersburg MT 59641
Owner: Mary Ann Miller
Radersburg MT 59641
Employees: 2
Status: Developing
- **SLIM SAM GROUP** Lead, silver, gold
Radersburg dist., sec. 19, 20, 29 and
30, T. 6 N., R. 1 W.
Owner-Operator: Art Roberts
Box 65, Radersburg MT 59641
Status: Developing
- SUMMIT (OLD SUMMIT) and BLACKHAWK
MINE** Silver, lead, zinc
Cedar Plains dist.
Sec. 16, 17, 20, T. 4 N., R. 1 W.
Owner-Operator: Roy E. Nicolls
RFD, Toston MT 59643
Status: Inactive
- *VALLEY VIEW MINE** Gold, silver, lead, zinc
Park (Indian Creek) dist.
Sec. 24, T. 7 N., R. 1 E.
Owner-Operator: Warren Schreiner
Box 665, Townsend MT 59644
Status: Developing
- VULTURE MINE** Lead, silver
Park dist., sec. 8, T. 7 N., R. 1 W.
Owner-Operator: Dr. Raymond G. Bayles
321 E. Main, Bozeman MT 59715
Employees: 2
Status: Developing

CASCADE COUNTY: Great Falls 59401

- FLORENCE and QUEEN MINE** Silver,
lead, zinc
Neihart dist., sec. 29, 30, 31 and
32, T. 14 N., R. 8 E.
Operator: Carroll R. Bennett
Box 2267, Great Falls MT 59401
Owner: The Monarch Co.
Box 2267, Great Falls MT 59401
Status: Exploration
- MOULTON and BROADWATER MINE**
Silver, lead, zinc
Neihart dist.
Sec. 29, 32, unsurveyed, T. 14 N., R. 8 E.
Owner-Operator: Peter J. Antonioli and Son
1001 W. Gold, Butte MT 59701
Status: Developing
- *SILVER DYKE MINE** Silver, lead, zinc
Neihart dist., sec. 10, T. 14 N., R. 8 E.
Owner-Operator: Peter J. Antonioli
1001 W. Gold, Butte MT 59701
Status: Developing
- *SPOOFER MINE** Silver
Barker dist., sec. 24, T. 15 N., R. 8 E.
Owner-Operator: Richard C. Bennett
P. O. Box 2267, Great Falls MT 59401
Status: Inactive

DEER LODGE COUNTY: Anaconda 59711

****GREAT EASTERN MINE** Silver, copper, zinc
 Lost Creek dist., sec. 9, 10, T. 5 N., R. 11 W.
 Owner-Operator: Nettie Lord
 Two Knudson Dr., Yerington NV 89447,
 and Lyman Thayer, Rt. 1, Box 264-AI,
 Anaconda MT 59711
 Status: Inactive

FERGUS COUNTY: Lewistown 59457

- **BLACK BULL MINE** Gold, silver, copper, lead, zinc
 Warm Springs dist., sec. 7, T. 16 N., R. 20 E.
 Owner-Operator: G. S. Abbott
 Giltedge Rt., Lewistown MT 59457
 Status: Developing
- *COPPER ELK MINE** Lead, silver
 Cone Butte dist., sec. 22, T. 17 N., R. 20 E.
 Owner-Operator: T. A. Pentecost
 204 E. Washington, Lewistown MT 59457
 Status: Developing
- **FEDERAL RESERVE GROUP** Silver, lead, gold
 South Moccasin dist.
 Sec. 35, T. 17 N., R. 17 E.
 Operator: Dean C. Burnham
 Rt. 3, Lewistown MT 59457
 Owner: D. C. Burnham and others
 Rt. 3, Lewistown MT 59457
 Status: Developing
- KENDALL MINE** Gold
 North Moccasin dist.
 Sec. 31, T. 18 N., R. 18 E.
 Operator: Geo-Surveys Gold, Ltd.
 Mining Exchange Bldg.,
 Colorado Springs CO 80900
 Owner: Judith Gold Corp.
 Box 68, Kellogg ID 83837
 Employees: 5
 Status: Developing
- *MYRANDA CLAIM** Gold, silver, lead
 Warm Springs dist., sec. 8, T. 16 N., R. 20 E.
 Owner-Operator: William and Glenn McVede
 915 W. Watson, Lewistown MT 59457
 Status: Developing
- *NO. 4 MINE** Gold, silver, copper, lead, zinc
 Warm Springs dist., sec. 7, 18, T. 16 N., R. 20 E.
 Operator: S & P Mining Co.
 204 E. Washington, Lewistown MT 59457
 Owner: T. A. Pentecost and others
 204 E. Washington, Lewistown MT 59457
 Status: Inactive
- REPUBLIC MINE** Silver, lead, zinc, gold, lanthanum group
 South Moccasin dist., sec. 23, T. 16 N., R. 17 E.
 Owner-Operator: C. L. Kuhnhausen
 P. O. Box 278, Lewistown MT 59457
 Status: Developing
- SHEEP MOUNTAIN MINE** Gold, silver, copper, lead
 Warm Springs dist., sec. 4, 5, T. 16 N., R. 20 E.
 Owner-Operator: Lawrence Lenling and others
 Box 74, Lewistown MT 59457
 Status: Developing
- SPOTTED HORSE MINE** Gold, silver, tellurium, lead, zinc
 Warm Springs dist., sec. 5, T. 16 N., R. 20 E.
 Operator: Viking Exploration, Inc.
 820 Denver Center Bldg., Denver CO 80203
 Owner: First Trust Co. of Montana, Trustee
 Great Falls MT 59401
 Employees: 3
 Status: Developing
- WAR EAGLE MINE** Silver, lead
 Warm Springs dist., sec. 12, T. 16 N., R. 18 E.
 Operator: Red Ore Development
 Calgary, Alberta, Canada
 Owner: G. S. Abbott
 Giltedge Rt., Lewistown MT 59457
 Status: Produced, developing

FLATHEAD COUNTY: Kalispell 59901

**** BLUE GROUSE GROUP** Gold, silver,
copper, bismuth
Haskell Pass dist., sec. 14, T. 28 N., R., 25 W.
Owner-Operator: L. O. and Jack Bauska
Kalispell MT 59901
Status: Developing

FLATHEAD and WEST FLATHEAD MINE
Silver, copper, lead
Hog Heaven dist., sec. 17, T. 25 N., R. 23 W.
Operator: Waino Lindbom, Flathead Mines, Inc.
1545 - 7th Ave. W., Kalispell MT 59901
Owner: The Anaconda Co.
Butte MT 59701
Employees: 9
Status: Developing

GRANITE COUNTY: Philipsburg 59858

*** ARMADA MINE** Copper, gold, silver
Garnet dist., sec. 11, 12, T. 12 N., R. 14 W.
Owner-Operator: Armada Mines
P. O. Box 3415, Missoula MT 59801
Status: Unknown

*** GOLDEN JUBILEE MINE** Gold, silver
Red Lion dist., sec. 14, T. 6 N., R. 13 W.
Owner-Operator: Golden Jubilee Corp.
Box 322, Philipsburg MT 59858
Employees: 3
Mill capacity: 200 t/w
Status: Produced, developing

BLACK PINE MINE Silver, gold, siliceous ore
Black Pine dist., sec. 7, 8, 16, 17 and
18, T. 8 N., R. 14 W.
Operator: Dan McLaughlin
Black Pine Mining Co.
Box 724, Philipsburg MT 59858
Owner: Inspiration Consolidated Copper Co.
55 Madison, Morristown NJ 07960
Employees: 45
Status: Producing, developing

HOPE GROUP Silver, siliceous ore
Flint Creek dist., sec. 19, T. 7 N., R. 13 W.
Operator: Contact Mining Co.
724 S. Western Ave., Butte MT 59701
Owner: Frank, Peter and William Antonioli
724 S. Western Ave., Butte MT 59701
Employees: 2
Status: Developing

BLUE BIRD MINE Gold, silver, copper
Red Mountain dist., sec. 26, T. 8 N., R. 12 W.
Operator: David M. Harris
Box 296, Philipsburg MT 59858
Owner: Ben Walkup
Philipsburg MT 59858
Employees: 1
Status: Developing

IVANHOE GROUP Gold, silver
Pikes Peak dist., sec. 14, T. 8 N., R. 12 W.
Operator: Ivanhoe Mining Co.
Box 667, Second St.
Deer Lodge MT 59722
Owner: Sam Riley
Box 667, Second St.
Deer Lodge MT 59722
Employees: 3
Status: Inactive

COPPER QUEEN GROUP
Copper, tungsten, gold
Henderson dist., sec. 35, T. 9 N., R. 14 W.
Owner-Operator: Charles Lane and others
Star Route, Drummond MT 59832
Status: Inactive

LYCOMING MINE Gold, silver, lead
Philipsburg dist., sec. 17, T. 7 N., R. 13 W.
Operator: Joe Metesh
Philipsburg MT 59858
Owner: Cadgie-Taylor Co.
3661 Maryland Parkway
Las Vegas NV 89109
Status: Inactive

GLITTERING HILL MINE Gold
Red Lion dist.
Owner-Operator: Mrs. Mary L. McCabe
2010 Haggin Ave., Anaconda MT 59711
Status: Developing

Granite County (continued)

MICKEY MINE Gold, silver
 Red Lion dist., sec. 22, 27, T. 6 N., R. 13 W.
 Owner-Operator: Eugene Garrett
 Box 905, Anaconda MT 59711
 Employees: 1
 Mill capacity: 15 t/d
 Status: Developing

****NEW SEATTLE (DOLLY QUARTZ) MINE**
 Silver, gold
 Maxville dist., sec. 9, T. 8 N., R. 13 W.
 Owner-Operator: James E. Maehl and
 Grace Maehl
 P. O. Box 303, Philipsburg MT 59858
 Status: Developing

PARNELL GROUP MINE Silver, copper, lead
 Flint Creek dist., sec. 7, 8, T. 7 N., R. 13 W.
 Owner-Operator: Ethel C. Heaney
 Box 130, Philipsburg MT 59858
 Status: Inactive

****QUEEN MINE** Silver, lead
 Boulder dist., SW $\frac{1}{4}$ sec. 33, T. 8 N., R. 12 W.
 Operator: R. J. MacCalman
 1010 - 5th St., Deer Lodge MT 59722
 Owner: Mrs. K. W. MacPherson
 St. Helena CA 94574
 Status: Developing

***SAN FRANCISCO MINE** Silver, gold, lead, zinc
 Philipsburg dist., sec. 30, T. 7 N., R. 13 W.
 Owner: B. G. Paige, Zane Murfitt
 Philipsburg MT 59858
 Status: Inactive

SILVER KING MINE Gold, silver
 Rock Creek dist., sec. 5, T. 6 N., R. 15 W.
 Operator: U.S. Energy Corp.
 Philipsburg MT 59858
 Owner: Charles Byam, Frenett Byam
 Philipsburg MT 59858
 Employees: 6
 Status: Producing

JEFFERSON COUNTY: Boulder 59632

****AQUARIUS MINE** Silver, lead,
 copper, gold
 Basin dist., sec. 13, T. 6 N., R. 6 W.
 Operator: Richard Robertson
 P. O. Box 454, Boulder MT 59632
 Owner: Robertson & Wendt Mining Co.
 P. O. Box 454, Boulder MT 59632
 Employees: 2
 Status: Inactive

BIG MAJOR MINE Gold, silver
 Big Foot (unorg.) dist.
 Sec. 4, T. 4 N., R. 5 W.
 Owner-Operator: Tom Finch
 1209 W. Woolman, Butte MT 59701
 Status: Developing

BIG MARY MINE Gold, silver
 Warm Springs dist.
 Sec. 10, T. 7 N., R. 2 W.
 Owner-Operator: Horace Wilson
 Box 4012, Helena MT 59601
 Status: Developing

COLUMBIA MINE Gold, silver
 Little Pipestone dist., sec. 21, T. 2 N., R. 5 W.
 Operator: Ralph Huckaba
 Box 336, Whitehall MT 59759
 Owner: Joe Kountz Estate and others
 Whitehall MT 59759
 Employees: 2
 Status: Developing

CRESCENT MINE Gold, silver, copper, lead
 Cataract (Basin) dist., sec. 28, T. 8 N., R. 5 W.
 Owner: Holter Estate, Helena MT 59601
 Status: Unknown

***CRYSTAL MINE** Gold, silver, copper, lead, zinc
 Cataract (Basin) dist., sec. 20, T. 7 N., R. 5 W.
 Owner-Operator: Delbert and John Bullock
 Basin MT 59631
 Status: Produced

****EAST RIDGE GROUP** Gold, copper, lead, zinc
 Nez Perce dist., sec. 12, T. 3 N., R. 7 W.
 Owner-Operator: Leber Mining Co.
 36 S. Market St., Elizabethtown PA 17022
 Employees: 4
 Status: Exploration

Jefferson County (continued)

- *FAIRVIEW MINE Lead, silver, gold
Boulder dist., sec. 5, T. 6 N., R. 4 W.
Owner-Operator: V. R. Cazier, Boyd Cazier
Toston MT 59643
Status: Developing
- FLORENCE GROUP Gold, silver
St. Paul dist., sec. 18, T. 2 N., R. 3 W.
Operator: Ralph Huckaba
Whitehall MT 59759
Owner: Lester Lindquist
Whitehall MT 59759
Status: Producing, developing
- **GOLDEN ASSETS MINE Gold, silver,
copper, lead, zinc
Golconda dist., sec. 29, T. 7 N., R. 5 W.
Operator: Jim Hill, c/o United Minerals
Box B, Clancy MT 59634
Owner: Fred K. Madison
403 South Fee, Apt. K.
Helena MT 59601
Employees: 4
Status: Developing
- GOLDEN CURRY (SOURDOUGH) MINE
Gold, silver, copper, lead, zinc
Elkhorn dist., sec. 10, T. 6 N., R. 3 W.
Owner-Operator: John Rothfus
2100 Oregon Ave., Butte MT 59701
Employees: 2
Status: Developing
- GOLDEN SUNLIGHT GROUP Gold, silver
Cardwell dist., sec. 17, 18, 19 and
20, T. 2 N., R. 3 W.
Owner-Operator: Placer Amex, Inc.
2500 One California Bldg.,
San Francisco CA 94111
Employees: 4
Status: Developing
- HARDMORE GROUP Silver, lead, gold, zinc
Crow Creek dist., sec. 2, T. 6 N., R. 2 W.
Owner-Operator: Edward Hildebrand and
others
P. O. Box H, Litchfield Park AZ 85340
Status: Developing
- HOPE and BULLION MINES Gold, silver,
base metals
Comet (Boulder) dist.
Sec. 6, 31, T. 6, 7 N., R. 4 W.
Operator: Romerio Co.
Boulder MT 59632
Owner: Mrs. A. K. Romerio
19320 Hinsdale, Torrance CA 90503
Status: Produced, developing
- HUMBOLT MINE Gold, silver
Homestake dist., sec. 9, T. 3 N., R. 6 W.
Owner-Operator: Stanley L. Boyce
Rt. 1, Box 206, Butte MT 59701
Status: Developing
- KADY GULCH GROUP Gold, silver, copper,
lead, zinc
Colorado dist., sec. 1, T. 7 N., R. 5 W.,
sec. 6, T. 7 N., R. 4 W.
Owner-Operator: Leber Mining Co.
36 S. Market St., Elizabethtown PA 17022
Status: Exploration
- MEADOW MINE Silver, lead
Clancy dist., sec. 34, T. 9 N., R. 3 W.
Operator: Larry Hoffman
1155 W. Porphyry, Butte MT 59701
Owner: Albert Haab
Clancy MT 59634
Employees: 3
Mill capacity: 75 t/d
Status: Developing
- MOUNTAIN QUEEN MINE Copper, silver,
lead, uranium
Big Foot dist., sec. 26, T. 4 N., R. 5 W.
Owner-Operator: William Mulcahy
Box 631, Butte MT 59701
Status: Developing
- *NEW BALD EAGLE MINE Gold, silver,
copper
Big Foot dist., sec. 16, T. 4 N., R. 5 W.
Owner-Operator: Ronald L. Nordwick
846 W. Quartz, Butte MT 59701
Status: Developing

Jefferson County (continued)

- NEW MORNING MINE** Silver, gold, copper
Little Boulder dist., sec. 8, T. 5 N., R. 4 W.
Owner-Operator: William Hagman
Box 339, Boulder MT 59632
Employees: 2
Status: Unknown
- *RUMLEY MINE** Lead, gold, silver
Comet dist., sec. 36, T. 7 N., R. 5 W.
Owner-Operator: Harold J. Giulio
305 S. Cleveland, Boulder MT 59632
Status: Produced, producing, developing
- NORTH SUNLIGHT GROUP** Gold, silver,
copper, lead, zinc
Cardwell dist., T. 2 N., R. 3 W.
Operator: Placer Amex, Inc.
P. O. Box 678, Whitehall MT 59759
Owner: Wegener Mining Company
Box 144, Whitehall MT 59759
Status: Developing
- SOLAR SILVER MINE** Lead, silver, gold
Warm Springs dist., sec. 29, T. 7 N., R. 2 W.
Operator: Solar Silver Mines, Inc.
Box 100, Rathdrum ID 83858
Owner: Champion Gold and Silver
W. 412 Sprague Ave., Spokane WA 99204
Employees: 2
Status: Produced, developing
- **PAYDAY GROUP** Gold, silver
St. Paul dist., sec. 18, T. 2 N., R. 3 W.
Owner-Operator: Ralph Huckaba
Box 336, Whitehall MT 59759
Employees: 2
Status: Developing
- *PIERMONT NO. 1 EAST MINE** Lead, gold,
silver, copper, zinc
Cataract dist., sec. 8, T. 7 N., R. 5 W.
Owner-Operator: Raymond L. Beaver
829 N. Lamborn St., Helena MT 59601
Status: Developing
- STREAK OF LUCK, SUNNYSIDE GROUP**
Gold, silver
Cardwell dist., sec. 18, T. 2 N., R. 3 W.
Owner-Operator: Lester Lindquist
P. O. Box 373, Whitehall MT 59759
Employees: 2
Mill capacity: 6 t/d
Status: Producing, developing
- *TOURMALINE QUEEN MINE** Gold
Elkhorn dist., sec. 22, T. 6 N., R. 3 W.
Operator: Galli Exploration Co.
P. O. Box 12307, Reno NV 89510
Owner: Wade V. Lewis Estate
Boulder MT 59632
Employees: 4
Status: Inactive
- SUMMIT MINE** Gold, silver, copper, lead, zinc
Big Foot dist., sec. 16, T. 4 N., R. 5 W.
Owner-Operator: Ronald L. Nordwick,
Vernon Smith, William Tudor
846 W. Quartz, Butte MT 59701
Status: Inactive
- RHOADES MINE** Silver, gold
Lump Gulch dist., sec. 6, T. 8 N., R. 4 W.
Owner-Operator: James A. Rhoades and
Daniel McEachern
317 Broadway, Helena MT 59601
Status: Developing
- TOURMALINE QUEEN MINE** Gold
Elkhorn dist., sec. 22, T. 6 N., R. 3 W.
Operator: Galli Exploration Co.
P. O. Box 12307, Reno NV 89510
Owner: Wade V. Lewis Estate
Boulder MT 59632
Employees: 4
Status: Inactive

JUDITH BASIN COUNTY: Stanford 59479

- CLENDENNIN GROUP** Lead, silver, zinc
Barker dist., sec. 5, 6, T. 14 N., R. 9 E.
Operator: Croff and Montague
Box 69, Monarch MT 59463
Owner: G. A. Croff and others
Box 69, Monarch MT 59463
Employees: 2
Status: Produced, developing
- LIBERTY MINE** Silver, lead, zinc
Barker dist., sec. 6, 7, 18, T. 15 N., R. 9 E.
Owner-Operator: Gwen McBride and others
Monarch MT 59643
Status: Developing

Judith Basin County (continued)

- *MONTGOMERY and SAN MIGUEL MINE Gold, silver, copper, lead, zinc
Barker dist., sec. 31, T. 15 N., R. 9 E.
Operator: Carwyn Eiarman
White Sulphur Springs MT 59645
Owner: Mrs. G. V. R. McBride
Monarch MT 59463
Status: Producing
- **SETTER MINE Silver, copper, lead
Running Wolf dist., sec. 21, T. 14 N., R. 10 E.
Operator: James A. Casper
Box 322, Stanford MT 59479
Owner: Setter Mining Co.
Box 322, Stanford MT 59479
Employees: 1
Status: Developing

LEWIS AND CLARK COUNTY: Helena 59601

- *ADELE MINE Silver, copper
Heddleston (unorg.) dist., sec. 28, 29, 33,
34, T. 16 N., R. 7 W.
Owner-Operator: Ross Hayworth
Box 1584, Globe AZ 85501
Status: Inactive
- GENERAL MINE Gold, silver, lead, zinc, copper
Rimini dist., sec. 8, T. 8 N., R. 5 W.
Owner-Operator: Sparrow Resources, Ltd.
B. Dale Fayram, Pres., Box 6566, Stn. D
Calgary, Alberta, Canada
Status: Developing
- **GRAY ROCK MINE Gold, copper, zinc
Owyhee-Oro Fino dist., sec. 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
1857 Oro Fino Gulch, Helena MT 59601
Employees: 3
Status: Produced, developing
- HEDDLESTON GROUP Copper, molybdenum
Heddleston dist., sec. 16-22 and
27-34, T. 15 N., R. 6 W.
Owner-Operator: The Anaconda Co.
Butte MT 59701
Status: Inactive
- **HUMDINGER GROUP Gold, copper,
molybdenum
Finn dist., sec. 35, T. 13 N., R. 9 W.
Owner-Operator: Guy E. Maycumber
217 LaSalle Rd., Kalispell MT 59901
Employees: 2
Status: Developing
- ILLINI MINE Gold, silver
Sec. 27, T. 13 N., R. 9 W.
Owner-Operator: C. K. Dalton
705 E. State, Helena MT 59601
Status: Inactive
- **INDEPENDENT MINE Gold, copper, zinc,
uranium
Owyhee-Oro Fino dist.
Sec. 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
1857 Oro Fino Gulch, Helena MT 59601
Employees: 3
Status: Produced, developing
- JOLLY ROGER MINE Silver, lead
Rimini dist., sec. 16, T. 8 N., R. 5 W.
Owner-Operator: Sparrow Resources, Ltd.
P. O. Box 6566, Stn. D
Calgary, Alberta, Canada
Employees: 2
Status: Developing
- LUCKY LINDA MINE Silver, lead
Rimini dist., sec. 16, T. 8 N., R. 5 W.
Operator: Fayram Engineering Co., Ltd.
P. O. Box 246, Pablo MT 59855
Owner: Sparrow Resources, Ltd.
P. O. Box 6566, Stn. D
Calgary, Alberta, Canada
Status: Inactive
- MONTE CRISTO MINE Gold, silver,
copper, lead
Rimini (Vaughn) dist., sec. 17, T. 8 N., R. 5 W.
Owner-Operator: Hans Mo
1500 Madison Ave., Helena MT 59601
Status: Developing
- NEW VALLEY FORGE MINE Silver, lead
Rimini dist., sec. 33, T. 9 N., R. 5 W.
Owner-Operator: Herb Ballou and
Alex Marklund
3440 Rimini Rd., Helena MT 59601
Status: Inactive

Lewis and Clark County (continued)

PEGGY ANN MINE Gold, silver
J. Gould dist., sec. 24, T. 13 N., R. 7 W.
Owner-Operator: Peggy Ann Mines, Inc.
Box 494, Canyon Creek MT 59633
Employees: 4
Status: Developing

TWILIGHT CLAIMS GROUP Gold, silver,
copper
Helena dist., sec. 2, T. 9 N., R. 2 W.
Owner-Operator: J. R. Stimps
Box 665, Shelby MT 59474
Status: Developing

****SKY MINE** Gold, copper, zinc
Owyhee-Oro Fino dist.
Sec. 2, 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
1857 Oro Fino Gulch, Helena MT 59601
Status: Produced, producing, developing

LINCOLN COUNTY: Libby 59923

CABLEWAY GROUP Silver, lead, gold
Sec. 33, T. 28 N., R. 31 W.
Owner-Operator: Donald C. and
Marie Cripe
Rt. 1, Box 929-B, Libby MT 59923
Status: Developing

LOST CAUSE MINE Zinc, silver, lead
Grouse Mountain dist., sec. 2, 3, 10 and
11, T. 30 N., R. 34 W.
Owner-Operator: Ralph K. Hahn
Troy MT 59935
Status: Inactive

MADISON COUNTY: Virginia City 59755

****ALAMEDA-WAKOOSTA MINE**
Gold, silver
Virginia City dist., sec. 27, 28, T. 6 S., R. 3 W.
Operator: R & D Minerals and
Alameda Mines, Inc.
P. O. Box 53, Virginia City MT 59755
Owner: Mr. and Mrs. Bill Thexton
Ennis MT 59729
Employees: 4
Status: Producing, developing

BADGER NO. 1 and NO. 2 MINES Gold, silver
Lower Warm Springs dist.
Sec. 19, 20, T. 3 S., R. 1 E.
Owner-Operator: Earl Clopton
P. O. Box 66, Norris MT 59745
Mill capacity: 4 t/d
Status: Produced, developing

***ATLANTIC PACIFIC MINE** Gold, silver,
copper
Mineral Hill dist., sec. 20, T. 2 S., R. 3 W.
Owner-Operator: Fred Box, Pony MT 59747
Employees: 3
Status: Developing

BESSIE and GOLDEN WAVE MINE
Gold, silver, copper, tungsten
Mineral Hill dist., sec. 14, 15, T. 2 S., R. 2 W.
Owner-Operator: W. G. Forbes
Pony MT 59747
Employees: 2
Status: Developing

B & H (PETE & JOE) GROUP Gold, silver
copper, lead
Tidal Wave dist., sec. 10, T. 3 S., R. 4 W.
Owner-Operator: Gold Ranch, Inc.
P. O. Box 245, Virginia City MT 59755
Status: Developing

DIRTY MUZZLER MINE Lead, silver, gold
Hildagard dist., NE¼ sec. 25, T. 2 S., R. 1 E.
Operator: Kenneth B. Kent
405 N. Church, Bozeman MT 59715
Owner: Kenneth B. Kent and
Oran Callantine
405 N. Church, Bozeman MT 59715
Status: Inactive

Madison County (continued)

- DIVIDEND LODGE MINE** Gold, silver
 Mineral Hill dist., sec. 15, T. 2 S., R. 3 W.
 Owner-Operator: Chester G. Horton, Jr.
 P. O. Box 1962, Eugene OR 97401
 Status: Developing
- DON-A-VERA GROUP** Gold, silver
 Fairweather dist., sec. 25, 26 and
 35, T. 6 S., R. 3 W.
 Owner-Operator: A. J. Katches and others
 Box 275, Virginia City MT 59755
 Employees: 4
 Status: Developing
- EAGLE BLACK GROUP** Gold, silver, copper
 Highland dist., sec. 2, 3, 10 and
 11, T. 7 S., R. 3 W.
 Owner-Operator: Clifford E. Melroe
 c/o Donald C. Holand, Attorney
 Fargo National Bank Bldg.
 Fargo ND 58102
 Status: Developing
- *EASTON-PACIFIC MINE** Gold, silver
 Virginia City dist., sec. 9, T. 7 S., R. 3 W.
 Owner-Operator: Easton Pacific and
 Riverside Mining Corp.
 P. O. Box 1011, St. Cloud MN 56301
 Status: Inactive
- GOLD BAR MINE** Gold, silver, copper, lead
 Browns Gulch dist., sec. 33, T. 6 S., R. 3 W.
 Operator: A. C. Sorento, Gold Bar, Inc.
 Box 32, Virginia City MT 59755
 Owner: Helen Anderson
 Box 32, Virginia City MT 59755
 Status: Inactive
- GREEN CAMPBELL MINE** Gold
 Silver Star dist., sec. 3, T. 2 S., R. 6 W.
 Owner-Operator: United Investors Corp.
 546 DeSoto St., Salt Lake City UT 84103
 Mill capacity: 100 t/d
 Status: Inactive
- JACK RABBIT MINE** Gold, silver, lead
 Rochester dist., sec. 21, T. 2 S., R. 8 W.
 Owner-Operator: Jim McLaughlin
 Rt. 1, Box 22, Sheridan MT 59749
 Status: Developing
- LUCKY STRIKE MINE** Gold, silver
 Twin Bridges dist., sec. 9 and
 16, T. 3 S., R. 5 W.
 Operator: R. Holliday
 Sheridan MT 59749
 Owner: Camila Gage
 Twin Bridges MT 59754
 Status: Inactive
- MORNING STAR MINE** Silver, zinc
 Lower Hot Springs dist., sec. 28 and
 29, T. 3 S., R. 1 E.
 Owner-Operator: R. B. Farnsworth
 P. O. Box 788, Bozeman MT 59715
 Employees: 2
 Status: Developing
- MOUNTAIN FLOWER MINE** Gold, silver
 Williams Gulch dist., sec. 33, T. 6 S., R. 3 W.
 Owner-Operator: R. H. Rogers
 Box 11, Alder MT 59710
 Status: Inactive
- *MUELLER MINE** Gold, silver, lead
 McCartney dist., sec. 3, 4, T. 4 S., R. 8 W.
 Operator: Sam Bear Gold Co. (Dale Bros.)
 Twin Bridges MT 59754
 Owner: Ed Mueller
 1013 Utah Ave., Butte MT 59701
 Status: Developing
- NELLIE BLY GROUP** Gold
 Highland dist., sec. 1, 12, T. 7 S., R. 3 W.
 Owner-Operator: Clifford E. Melroe
 c/o Donald C. Holand, Attorney
 Fargo National Bank Bldg.
 Fargo ND 58102
 Status: Developing
- PEARL GROUP** Gold, silver
 Alder dist., sec. 1, 2, T. 7 S., R. 3 W.
 Owner-Operator: Clifford E. Melroe
 c/o Donald C. Holand, Attorney
 Fargo National Bank Bldg.
 Fargo ND 58102
 Employees: 4
 Status: Developing

Madison County (continued)

- RED PINE MINE** Gold, silver
 Sheridan dist., sec. 34, T. 3 S., R. 4 W.;
 sec. 3, T. 4 S., R. 4 W.
 Operator: Morton McGinley
 Red Pine Exploration and Develop-
 ment Co., Ltd., P. O. Box 33
 Colorado Springs CO 80906
 Owner: Shermont Mining Co.
 5701 Seaview Ave., NW, No. 101
 Seattle WA 98107
 Mill capacity: 50 t/d
 Status: Produced
- RY & K MINE** Gold, silver
 Norwegian dist., sec. 2, T. 3 S., R. 2 W.
 Owner-Operator: RY & K Mining and
 Development Co., Howard Kruse, Mgr.
 Box 25, Harrison MT 59735
 Status: Developing
- ST. JOHN GROUP** Gold, silver
 Highland dist., sec. 1, T. 7 S., R. 3 W.
 Operator: A. J. Katches and others
 Virginia City MT 59755
 Owner: Highland Trust, c/o A. J. Katches
 Virginia City MT 59755
 Status: Developing
- ST. LAWRENCE CONSOLIDATED MINE**
 Gold, silver
 Nevada City dist., sec. 31, 32 and
 33, T. 6 S., R. 3 W.
 Owner: James L. Thomas, President
 St. Lawrence Consolidated Mines, Inc.
 5611 Jolly Roger Rd.
 Tempe AZ 85283
 Status: Inactive
- SCALDED CAT MINE** Gold, silver,
 copper, tungsten
 Mineral Hill dist., sec. 14, T. 2 S., R. 3 W.
 Owner-Operator: Mrs. Emmett Clary
 Box 264, Pony MT 59747
 Status: Inactive
- SHORT SHIFT MINE** Gold
 Rabbit dist., SE¼ sec. 6, T. 2 S., R. 7 W.
 Owner-Operator: John A. Layton and
 Dorothy M. Layton
 Box 98, Melrose MT 59743
 Mill capacity: 20 t/d
 Employees: 2
 Status: Produced
- UNCLE SAM MINE** Gold, silver
 Mill Creek dist., NE¼ sec. 17, T. 4 S., R. 3 W.
 Owner-Operator: Steve Mortensen and
 Audrey Mortensen
 Sheridan MT 59749
 Status: Developing
- U. S. GRANT MINE** Gold, silver
 Virginia City dist., sec. 36, T. 6 S., R. 3 W.
 Operator: R & D Minerals Corp.
 Virginia City MT 59755
 Owner: Ed Scheitlin
 Pacific Mines, Inc.
 Virginia City MT 59755
 Mill capacity: 100 t/d
 Employees: 35
 Status: Producing
- WATSECA MINE** Gold, silver
 Rabbit dist., sec. 31, 32, T. 2 S., R. 3 W.
 Operator: Rochester Enterprises
 c/o John Magnus
 Box 254, Sheridan MT 59749
 Owner: Lawrence McCune
 714 Hobart Bldg.
 San Francisco CA 94104
 Employees: 6
 Mill capacity: 200 t/d
 Status: Produced, developing
- WINNETKA TRUST GROUP** Gold, silver
 Highland dist., sec. 1, 2, T. 7 S., R. 3 W.
 Owner-Operator: Winnetka Trust
 Box 275, Virginia City MT 59755
 Status: Developing

MEAGHER COUNTY: White Sulphur Springs 59645**BUGLAR CREEK MINE** Gold

Sec. 28, T. 9 N., R. 4 E.

Owner-Operator: A. J. Burchak and
Travis Belue

Box 11, Lavina MT 59046

Status: Developing

LUCKY DOLLAR MINE Lead, silver

Castle Mountains dist.

Sec. 12, T. 8 N., R. 8 E.

Owner-Operator: Carl Berg

Box 126, Martinsdale MT 59053

Employees: 2

Status: Produced, developing

BURBON MINE Gold

White Sulphur Springs dist.

Sec. 28, T. 9 N., R. 4 E.

Operator: Richard K. George
c/o Checkerboard, Martinsdale MT 59053

Owner: Alex J. Burchak and Travis Belue

213 Collins, Lavina MT 59046 or

1242 Ave. F., Billings MT 59102

Employees: 2

Status: Developing

YELLOWSTONE MINE Lead, zinc

Castle Mountains dist.

Sec. 11, T. 8 N., R. 8 E.

Operator: George Voldseth

Martinsdale MT 59053

Owner: Hamilton Mines, Inc.

Martinsdale MT 59053

Status: Inactive

COTTONTAIL MINE Copper

Castle Mountains dist.

Sec. 22, T. 10 N., R. 10 E.

Owner-Operator: Richard K. George
and others

c/o Checkerboard, Martinsdale MT 59053

Status: Developing

MINERAL COUNTY: Superior 59872**AMAZON-DIXIE MINE** Copper, lead, zinc

Saltese dist., sec. 4, 5, T. 19 N., R. 32 W.

Owner-Operator: Amazon-Dixie Mining Co.

Box 469, Scott Bldg.

Wallace ID 83873

Status: Developing

GOLDBUG (TAWNEY) MINE Gold

St. Regis-Saltese dist., sec. 4, T. 17 N., R. 29 W

Operator: The Gold Bug Mine, Inc.

c/o Robert E. Sheridan, Jr.

199 W. Pine, Missoula MT 59801

Owner: Paul H. Richert and H. C. Richert

P. O. Box 42, St. Regis MT 59866

Status: Inactive

****BONANZA GROUP** Gold, silver,

copper, lead, barite

Cedar Creek dist., sec. 17, T. 15 N., R. 26 W.

Owner-Operator: G. M. Gildersleeve

Box 568, Superior MT 59872

Status: Developing

K & K MINE Silver, lead

Deer Creek dist., sec. 22, T. 18 N., R. 30 W.

Owner-Operator: Wayne Koski

Box 42, Mullan ID 83846

Employees: 2

Status: Unknown

EAST COEUR D'ALENE SILVER MINE

Silver, copper, lead, zinc

Keystone dist., T. 17, 18 N., R. 26, 27 W.

Owner-Operator: East Coeur d'Alene

Silver Mines, Inc.

Scott Bldg., Wallace ID 83873

Status: Developing

LITTLE ANACONDA GROUP Silver, lead, zinc

Spring Gulch dist., sec. 35, T. 18 N., R. 26 W.

Operator: Sunrise Silver Mines

c/o Hugh G. King, Frenchtown MT 59834

Owner: Hugh G. King and O. B. Anderson

Box 8717, Missoula MT 59807

Status: Developing

Mineral County (continued)

NANCY LEE MINE Silver, lead, zinc
Keystone dist., sec. 31, 32, T. 18 N., R. 26 W.
Operator: Western Silver Development Co.
Jay Elander, Pres., Minneapolis MN
Owner: Nancy Lee Mines, Inc.
Box 67, Kellogg ID 83837
Mill capacity: 150 t/d
Status: Producing, developing

RIVERS CREEK MINE Silver, lead
St. Regis-Saltese dist.
Sec. 5, T. 18 N., R. 30 W.
Owner-Operator: Charles L. Kannegaard and
Ray and Charles Minnick
Box 386, Medical Lake WA 99022
Status: Developing

MISSOULA COUNTY: Missoula 59801

BELLVIEW MINE Silver, copper, gold
Clinton dist., sec. 17, T. 12 N., R. 16 W.
Owner-Operator: Ernest Terry
Box 73, Clinton MT 59825
Employees: 2
Status: Developing

NUGGET MINE Lead, zinc, copper, silver
Nine Mile dist., sec. 13, T. 16 N., R. 23 W.
Operator: Frank A. Morbeck
Box 684, Wallace ID 83873
Owner: Nugget Mining Co.
504½ Bank St., Box 1127
Wallace ID 83873
Status: Developing

***COPPER CLIFF MINE** Copper, gold, silver
Copper Cliff dist., sec. 11, T. 12 N., R. 15 W.
Owner-Operator: Armada Corp.
P. O. Box 3415, Missoula MT 59801
Status: Inactive

***WALDBILLIG MINE** Copper, silver, gold
Miller Creek dist., sec. 1, 2, T. 11 N., R. 19 W.
Owner-Operator: Joe and O. R. Waldbillig
Rt. 5, Miller Creek, Missoula MT 59801
Status: Inactive

JENLO MINES Lead, zinc, silver, copper
Coloma dist., sec. 11, T. 12 N., R. 16 W.
Operator: Jenlo Mining Co.
R. E. Peterson
635 Alder, Missoula MT 59801
Owner: R. E. Peterson
635 Alder, Missoula MT 59801
Employees: 3
Status: Inactive

***WARD LODE MINE** Gold, silver, copper,
lead, zinc
Sec. 22, T. 11 N., R. 22 W.
Owner-Operator: Ward Development Co.
Hwy. 93 and South Ave.
Missoula MT 59801
Employees: 1
Status: Developing

PARK COUNTY: Livingston 59047

****BAR GROUP** Gold, silver, lead,
copper, molybdenum
Emigrant, Six Mile dist., sec. 5, 6, 7, 8, 9,
16, 17, 19, 20, 21, 30, T. 7 S., R. 9 E.
Owner-Operator: J. H. Counts
221 South C St., Livingston MT 59047
Status: Developing

***COPPER GROUP** Copper, iron, nickel
Mill Creek dist., sec. 25, 36, T. 6 S., R. 9 E.
Owner-Operator: J. H. Counts
221 South C St., Livingston MT 59047
Status: Developing

BARBARA ANN MINE Gold, silver,
lead, copper
Sec. 26, 35, T. 6 S., R. 9 E.
Owner-Operator: A. Kester, Garland S. Counts
Box 465, Livingston MT 59047
Status: Developing

***GLENGARRY (WHITE) CLAIMS**
Gold, silver, copper
New World dist., sec. 12, T. 9 S., R. 14 E.
Operator: Earl Nott, Pres., Como Mining Co.
Box 521, Columbus MT 59019
Owner: Harriet White, Spokane WA 99200
Employees: 1
Status: Developing

Park County (continued)

*HOPE GROUP Copper, silver
Mill Creek dist., sec. 36, T. 6 S., R. 8 E.
Owner-Operator: J. H. Counts
221 South C St., Livingston MT 59047
Status: Developing

**MAGNITITE GROUP Gold, silver, lead
iron, copper, nickel
Six Mile, Emigrant dist., sec. 2, 10, 11, 12,
18, 21, 24, 25, T. 7 S., R. 8 E.
Owner-Operator: J. H. Counts
221 South C St., Livingston MT 59047
Status: Developing

MOHAWK MINE Gold, lead, silver
New World dist., sec. 25, 36, T. 9 S., R. 14 E.
Owner-Operator: Don J. Geiger
1301 Industrial Ave., Apt. 34
Billings MT 59102
Employees: 2
Status: Developing

**REPUBLIC MINES Lead, silver, zinc
New World dist., sec. 36, T. 9 S., R. 14 E.
Owner-Operator: Ralph Huckaba
Box 336, Whitehall MT 59759
Mill capacity: 35 t/d
Employees: 2
Status: Developing

PHILLIPS COUNTY: Malta 59538

*GOLD BUG-LITTLE BEN-AUGUST GROUP
Gold, silver
Little Rockies dist., sec. 15, T. 25 N., R. 24 E.
Operator: Landusky Mining Co.
Landusky MT 59533
Owner: Wharf Resources
2790 Scotia Centre, 700 2d St., S.W.
Calgary, Alberta, Canada T2P 2W2
Employees: 50
Status: Producing

LINDA KAY MINE Gold, silver
Little Rockies dist., sec. 12, T. 25 N., R. 24 E.
Owner-Operator: Montana Western
Mining Co.
D. D. Peterson and Associates
Box 247, Forks WA 98331
Status: Inactive

MONTANA MINE Gold, silver
Little Rockies dist., sec. 10, 11, 12, 14, and
15, T. 25 N., R. 24 E.
Owner-Operator: Vernon Smith and
Alfred Peterson
Hilger MT 59451
Status: Inactive

*RUBY GULCH MINE Gold, silver
Little Rockies dist., sec. 18, T. 25 N., R. 25 E.
Operator: Zortman Mining, Inc.
c/o H. A. Scholz, Zortman MT 59546
Owner: Gold Reserve Corp.
505 Northtown Office Bldg.
Spokane WA 99207
Mill capacity: 5000 t/d
Employees: 2
Status: Producing

POWELL COUNTY: Deer Lodge 59722

*BARRY DEAN MINE Gold
Zosell dist., sec. 10, T. 7 N., R. 8 W.
Owner-Operator: Lionel C. Taft
920 - 65th Ave. N.E., Puyallup WA 98371
Status: Developing

BUMBLEBEE MINE Gold, copper
Ophir dist., sec. 20, T. 11 N., R. 7 W.
Owner-Operator: Clarke J. Smith
Rt. 2, Valencia PA 16059
Status: Unknown

**ELLISTON CONSOLIDATED GROUP
Lead, zinc, silver
Elliston dist., sec. 5, 8, 10, 15 and
22, T. 8 N., R. 6 W.
Owner-Operator: Elliston Consolidated
Mining Co., c/o Dave R. Newman
Box 398, Elliston MT 59728
Status: Developing

Powell County (continued)

FAIRVIEW MINE Gold, silver, copper
 Ophir dist., sec. 25, T. 11 N., R. 8 W.
 Owner-Operator: Jan Bunton
 105 Kohrs, Deer Lodge MT 59722
 Status: Inactive

MONARCH MINE Gold, silver, copper
 Ontario dist., sec. 30, 31, T. 8 N., R. 6 W.
 Owner-Operator: Monarch Minerals, Inc.
 D. L. Jones, Mgr.
 Box 33, Helena MT 59601
 Employees: 3
 Status: Developing

NANCY HELEN MINE Gold, copper
 Ophir dist., sec. 20, T. 11 N., R. 7 W.
 Owner-Operator: Clarke J. Smith
 Rt. 2, Valencia PA 16059
 Status: Unknown

NEGROS MINE Gold, silver, lead, zinc
 Negro Hill dist.
 SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 9 N., R. 7 W.
 Owner-Operator: J. F. Hopkins Estate
 c/o Ralph Hopkins
 401 N. Montana, Helena MT 59601
 Status: Inactive

NORTH POLE MINE Silver, copper, zinc,
 gold
 Elliston dist., sec. 29, T. 8 N., R. 6 W.
 Operator: James R. Dixon
 Box 302, Elliston MT 59728
 Owner: James R. Dixon and
 Dorothy E. Dixon
 Box 302, Elliston MT 59728
 Status: Inactive

THIRD TERM MINE Zinc, copper, gold,
 silver, lead
 Elliston dist., sec. 28, T. 9 N., R. 6 W.
 Owner-Operator: Delbert Woodley
 Box 333, Elliston MT 59728
 Status: Inactive

TIBBETTS MINE Gold
 Pikes Peak dist., sec. 7, 8, T. 8 N., R. 11 W.
 Operator: Clifford Hatton
 2501 S. Dakota St., Butte MT 59701
 Owner: Clifford Hatton and others
 2501 S. Dakota St., Butte MT 59701
 Status: Developing

RAVALLI COUNTY: Hamilton 59840

***CURLEW MINE** Silver, lead
 Pleasant View dist., sec. 13, T. 8 N., R. 21 W.
 Operator: R. Davidson
 R. R. 1, Box 142, Victor MT 59875
 Owner: Holter Estate
 c/o First National Bank
 302 N. Main, Helena MT 59601
 Status: Developing

***VIOLET GROUP** Molybdenum, tungsten,
 silver, gold
 Blue Nose dist., sec. 22, 28 and
 29, T. 4 S., R. 22 W.
 Owner-Operator: Dean Motley
 320 S. 2d St., Hamilton MT 59840
 Employees: 2
 Status: Developing

HIGHLAND MINE Copper, gold, silver, lead
 Overwich dist., sec. 7, T. 2 S., R. 21 W.
 Operator: Dan Lofftus
 Hamilton MT 59840
 Owner: L. C. L., Inc.
 Box 604, Darby MT 59829
 Status: Inactive

***WOODS CREEK COPPER MINE**
 Copper, silver, gold
 Mineral Point (unorg.) dist., sec. 16, 17, 20 and
 21, T. 3 S., R. 22 W.
 Owner-Operator: Shook Mines, Inc.
 Box 77, Darby MT 59829
 Status: Developing

SANDERS COUNTY: Thompson Falls 59873

EDDY CREEK MINE Gold, silver,
copper, lead
Eddy Creek dist., sec. 16 and
21, T. 20 N., R. 28 W.
Owner-Operator: The State Mining Co.
Robert Grady, Pres., 509 N. Main St.
Colville WA 99114
Status: Inactive

FOUR UP GROUP Copper
Sec. 22, T. 24 N., R. 32 W.
Owner-Operator: Donald C. Cripe and
others
Rt. 1, Box 929-B, Libby MT 59923
Status: Developing

GOPHER HOLE MINE Gold, silver, lead, zinc
Blue Creek dist., sec. 10, T. 27 N., R. 34 W.
Owner-Operator: J. C. Brooks
Star Rt., Clark Fork ID 83811 and
Detwiler Bros., Noxon MT 59853
Status: Developing

HEIDELBERG MINE Gold, silver
Noxon dist., SE¼ sec. 29 and
NW¼ sec. 32, T. 27 N., R. 31 W.
Owner-Operator: Heidelberg Mining and
Leasing Co., c/o G. A. Myers
1001 W. Court St.
Pasco WA 99301
Employees: 2
Status: Developing

***LAURA APEX GROUP** Copper
Sec. 12, T. 24 N., R. 29 W.
Owner-Operator: Donald C. Cripe and
others
Rt. 1, Box 929-B, Libby MT 59923
Status: Developing

MONTRO GOLD MINES Lead, silver,
copper, gold
Plains dist., SE¼ sec. 4 and
SW¼ sec. 3, T. 19 N., R. 26 W.
Operator: William L. Burns
Plains MT 59859
Owner: Mrs. Marion R. Kruger and
William L. Burns, Plains MT 59859
Employees: 2
Status: Unknown

RAVEN MINE Copper, silver
Thompson River dist.
NW¼ sec. 4, T. 21 N., R. 28 W., and
SW¼ sec. 33, T. 22 N., R. 28 W.
Owner-Operator: Raven Mining Co.
c/o Austin Monk, Marion MT 59925
Status: Inactive

RED FIR (AMAZON) MINE Gold, silver, ,
copper
Blue Creek dist., sec. 25, T. 27 N., R. 34 W.
Owner-Operator: J. C. Brooks and others
Star Rt., Clark Fork ID 83811
Status: Developing

SID CLAIM Copper
Trout Creek dist., sec. 24, T. 24 N., R. 32 W.
Owner-Operator: Sidney A. deBarathy
2900 Sherman Ave., Butte MT 59701
Status: Developing

SILVER BOW COUNTY: Butte 59701

***BERKELEY PIT** Copper, gold, silver
Summit Valley dist., sec. 5, 6, 7, 8 and
18, T. 3 N., R. 7 W.
Owner-Operator: The Anaconda Co.
Butte MT 59701
Employees: 1,400
Mill capacity: 50,000 t/d
Status: Produced, producing, developing

***CONTINENTAL EAST PIT** Copper
Butte dist., sec. 15, 16, T. 3 N., R. 7 W.
Owner-Operator: The Anaconda Co.
Butte MT 59701
Status: Inactive

Silver Bow County (continued)

EMMA MINE Gold, silver
 Highland dist., sec. 29, T. 1 N., R. 7 W.
 Owner-Operator: Howard Stratton
 2619 Walnut St., Butte MT 59701
 Mill capacity: 5 t/d
 Status: Produced, producing, developing

PEABODY MINE Silver, lead
 Soap Gulch dist., sec. 6, T. 1 S., R. 8 W.
 Owner-Operator: Lively's, Inc.
 Box 96, Melrose MT 59743
 Status: Inactive

KELLEY MINE Copper, gold, silver
 Summit Valley dist.
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 3 N., R. 7 W.
 Owner-Operator: The Anaconda Co.
 Butte MT 59701
 Employees: 98
 Status: Developing

STRATTON MINE Gold, silver, copper
 Highland dist., sec. 32, T. 1 N., R. 7 W.
 Owner-Operator: Howard Stratton
 2619 Walnut St., Butte MT 59701
 Employees: 2
 Status: Developing

LAST CHANCE MINE Gold, silver
 Highland dist., sec. 28, T. 1 N., R. 7 W.
 Owner-Operator: Howard Stratton
 2619 Walnut St., Butte MT 59701
 Status: Produced, developing

WRONG FONT GROUP Gold, silver
 Summit Valley dist.
 Sec. 24, T. 3 N., R. 9 W.
 Owner-Operator: Tom Helehan
 P. O. Box 235, Butte MT 59701
 Status: Developing

MOONLIGHT MINE Gold, silver
 Highland dist., sec. 28, T. 1 N., R. 7 W.
 Owner-Operator: Howard Stratton
 2619 Walnut St., Butte MT 59701
 Status: Developing

STILLWATER COUNTY: Columbus 59019

MOUAT MINE Copper, nickel
 Nye dist., sec. 20, T. 5 S., R. 15 E.
 Owner-Operator: The Anaconda Co.
 Butte MT 59701
 Status: Inactive

IRON MINES**MEAGHER COUNTY: White Sulphur Springs 59645**

BLACK BUTTE MINE Iron ore
 Sheep Creek dist., sec. 34, T. 12 N., R. 6 E.
 Operator: R & S Iron Co., Inc.
 Radersburg MT 59641
 Owner: R. Borland and J. Potter
 White Sulphur Springs MT 59645
 (Leased by R & S Iron Co., Inc.)
 Employees: 3
 Status: Produced

MOLYBDENUM MINES

RAVALLI COUNTY: Hamilton 59840

*MOLLY 1, 2, 3, 4 and 5 MINE Molybdenum
Skalkaho dist. (unorg.), T. 5 N., R. 18 W.
Owner-Operator: Leif Aune
Box 303, Darby MT 59829
Employees: 1
Status: Unknown

THORIUM MINES

BEAVERHEAD COUNTY: Dillon 59725

LAST CHANCE MINE Thorium, rare earths
Lemhi Pass dist., sec. 20, 28, 29, T. 10 S., R. 15 W.
Owner: Sawyer-Adecor Inter., Inc.
3780 Wilshire Blvd., Los Angeles CA 90010
Status: Developing

TUNGSTEN MINES

BEAVERHEAD COUNTY: Dillon 59725

*CALVERT MINE Tungsten
Wise River dist., sec. 12, T. 1 N., R. 13 W.
Operator: Rochester Enterprises
Sheridan MT 59749
Owner: General Electric Co.
21800 Tungsten Rd.
Cleveland OH 44117
Status: Producing, developing

LOST CREEK MINE Tungsten
Lost Creek dist., sec. 11, 14 and
23, T. 4 S., R. 10 W.
Operator: Union Carbide Corporation
Grand Junction CO 81501
Owner: Moly Tung, Inc.
First Natl. Bank Bldg., Butte MT 59701
Status: Inactive

GRANITE COUNTY: Philipsburg 59858

BLUE MOON MINE Tungsten, gold, silver, copper
Garnet dist., sec. 2, 3, 10, 11, T. 12 N., R. 14 W.
Operator: American Tungsten Corp.
219 E. Main, Missoula MT 59801
Owner: Cordoba Corp.
P. O. Box 2464, Missoula MT 59801
Status: Unknown

URANIUM MINES

CARBON COUNTY: Red Lodge 59068

**SWAMP FROG MINE Uranium
Pryor Mountains dist., sec. 17, 20, 21, T. 9 S., R. 27 E.
Owner-Operator: James J. Stoick
Box 2074, Billings MT 59101
Status: Developing

JEFFERSON COUNTY: Boulder 59632***FREE ENTERPRISE URANIUM-RADON MINE**

Boulder dist., sec. 22, T. 6 N., R. 4 W.

Operator: John Lewis, Elkhorn Mining Co.

Boulder Bank Bldg., Boulder MT 59632

Owner: Elkhorn Mining Co.

Boulder MT 59632

Employees: 5

Status: Health mine

GOLD PLACERS**BEAVERHEAD COUNTY: Dillon 59725****GRASSHOPPER PLACER Gold**

Bannack dist., sec. 15, 16, T. 8 S., R. 11 W.

Owner-Operator: BonAccord Mining Co.

Suite B-2, Century Plaza Bldg.

Missoula MT 59801

Employees: 3

Status: Inactive

JEFFERSON COUNTY: Boulder 59632***BLACK CANYON PLACERS Gold**

Alhambra dist., sec. 14, 15, T. 7 N., R. 3 W.

Owner-Operator: A. E. Reichel,

Horace Wilson and Roy Fox

3112 1st Ave. N., Great Falls MT 59401

Status: Developing

***SKOOKUM PLACER Gold**

Comet dist., sec. 1, 12, T. 6 N., R. 5 W.

Owner-Operator: Theodore Nyquest

Box 133, Boulder MT 59632

Status: Inactive

LEWIS AND CLARK COUNTY: Helena 59601***ALL PLACER Gold**

Sec. 36, T. 13 N., R. 9 W., and

sec. 31, T. 13 N., R. 8 W.

Owner-Operator: George H. Poggeman

7952 S. Sand Rd., Union Mills IN 46382

Employees: 2

Status: Produced, producing

***FRENCH BAR PLACER Gold**

Sec. 5, T. 10 N., R. 1 W.

Operator: Big Sky Sapphire, Inc.

114 Clark Pl., Helena MT 59601

Owner: James McMaster

East Helena MT 59635

Status: Produced, developing

MADISON COUNTY: Virginia City 59755***BUBANY PLACER Gold**

Virginia City dist., sec. 16, 21, T. 6 S., R. 3 W.

Operator: Virginia City Mining and Development Co.

Virginia City MT 59755

Owner: Tony Bubany

Virginia City MT 59755

Status: Inactive

MEAGHER COUNTY: White Sulphur Springs 59645

*CAMP ROBBER PLACER Gold
Thompson Gulch dist., sec. 22 and
27, T. 9 N., R. 4 E.
Owner-Operator: Larry Burns
Box 324, White Sulphur Springs
MT 59645
Status: Producing

TERRIBLE PLACER Gold
Sec. 32, 33, T. 11 N., R. 3 E.
Owner-Operator: P. J. Reynolds
White Sulphur Springs MT 59645
Status: Producing

*RICH-MICH PLACER Gold
Thompson Gulch dist.
Sec. 27, T. 9 N., R. 4 E.
Owner-Operator: Mrs. Richard Conklin
Kalispell MT 59901
Status: Inactive

MINERAL COUNTY: Superior 59872

*BETTY PLACER Gold
SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8,
N $\frac{1}{2}$ N $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 17, T. 12 N., R. 24 W.
Operator: C. R. Runyon
Box 143, Alberton MT 59820
Owner: C. R. and M. S. Runyon
Box 143, Alberton MT 59820
Status: Unknown

*STEMWINDER PLACER Gold
Cedar Creek dist., sec. 17, T. 15 N., R. 26 W.
Owner-Operator: George Gildersleeve
Box 565, Superior MT 59872
Status: Inactive

*MEADOW CREEK PLACER Gold
Meadow Creek dist.
Sec. 24, T. 15 N., R. 25 W.
Owner-Operator: C & H Company
c/o Sam Coleman
Box 74, Superior MT 59872
Status: Developing

*SUNRISE CREEK PLACER Gold
Sunrise dist., sec. 21, T. 15 N., R. 26 W.
Owner-Operator: C & H Company
c/o Sam Coleman
Box 74, Superior MT 59872
Status: Developing

TRIANGLE PLACER Gold
Quartz Creek dist., sec. 3, T. 14 N., R. 26 W.
Owner-Operator: Victor D. Wright
Box 448, Alberton MT 59820
Status: Developing

MISSOULA COUNTY: Missoula 59801

*IDA A. PLACER Gold
Nine Mile dist., sec. 15, T. 16 N., R. 23 W.
Operator: Albert Byron Peterson and
Claude DeValle
1859 S. 9th St. W., Missoula MT 59801
Owner: A. B. Peterson
1859 S. 9th St. W., Missoula MT 59801
Employees: 2
Status: Developing

*ROBIN L. PLACER Gold
Nine Mile dist., sec. 21, T. 17 N., R. 24 W.
Owner-Operator: Mary C. Anliker
923 Spartan Dr., Missoula MT 59801
Status: Developing

POWELL COUNTY: Deer Lodge 59722

*JEFFERSON CREEK PLACER Gold
Finn dist., sec. 11, T. 12 N., R. 9 W.
Owner-Operator: Venture Mining Corp.
4100 SW Hwy., Suite 200
Houston TX 77027
Employees: 1
Status: Unknown

YOUR NAME PLACER Gold, silver, lead,
tungsten, copper
Your Name Creek dist., sec. 4, 13, 17, 18,
22, 23, T. 13 N., R. 12, 13 W.
Owner-Operator: H. C. Craig and Co.
336 Peyton Bldg., Spokane WA 99201
Employees: 2
Status: Developing

*PINEAU PLACER Gold
Gold Creek dist., sec. 14, T. 8 N., R. 12 W.
Owner-Operator: Andrew Malcolm
Deer Lodge MT 59722
Status: Inactive

PART 2, NONMETAL MINES, PITS AND QUARRIES

BARITE MINES

BEAVERHEAD COUNTY: Dillon 59725

*LUCKY JIM BEAM GROUP MINE Barite
 Jackson dist., sec. 25, 26, T. 4 S., R. 14 W.
 Operator: R. P. Jackson
 Jackson MT 59736
 Owner: R. P. Jackson and R. M. Shepherd
 Jackson MT 59736
 Status: Developing

LINCOLN COUNTY: Libby 59923

KENELTY MINE Barite
 Sec. 34, T. 27 N., R. 28 W.
 Owner-Operator: Montana Barite Co.
 Duane Reber, Mgr.
 P. O. Box 3296, Missoula MT 59801
 Status: Producing

MINERAL COUNTY: Superior 59872

*MULLEN BARITE MINE Barite
 St. Regis dist., sec. 9, T. 18 N., R. 28 W.
 Owner-Operator: June Alexander
 Box 167, St. Regis MT 59866
 Employees: 3
 Mill capacity: 50 t/d
 Status: Produced, producing, developing

MISSOULA COUNTY: Missoula 59801

BONANZA GROUP Barite
 Cedar Creek dist., sec. 29, T. 15 N., R. 27 W.
 Owner-Operator: Fern and George
 Gildersleeve
 Superior MT 59872
 Status: Developing

FROSTBITE DEPOSIT Barite
 Elk Creek dist., sec. 20, T. 13 N., R. 14 W.
 Operator: Montana Barite Co.
 Duane Reber, Mgr.
 P. O. Box 3296, Missoula MT 59801
 Owner: The Anaconda Co.
 Butte MT 59701
 Status: Developing

**ELK CREEK MINE Barite
 Sec. 15, 16, 20, T. 13 N., R. 14 W.
 Owner-Operator: Montana Barite Co.
 P. O. Box 3296, Missoula MT 59801
 Employees: 6
 Status: Producing

BENTONITE PITS

CARTER COUNTY: Ekalaka 59324

*COLONY OPEN PITS Bentonite
 T. 9 S., R. 58, 59 E.
 Operator: N L Industries, Inc., Baroid Division
 Belle Fourche SD 57717
 Owner: N L Industries, Inc., Baroid Division
 Box 1675, Houston TX 77001
 Mill capacity: 300,000 t/y
 Employees: 18
 Status: Developing

PHILLIPS COUNTY: Malta 59538

*AMERICAN COLLOID PIT Bentonite
 Sec. 6, T. 26 N., R. 31 E.
 Owner-Operator: American Colloid Co.
 5100 Suffield Ct., Skokie IL 60076
 Status: Developing

VALLEY COUNTY: Glasgow 59230

*BRAZIL CREEK PIT Bentonite
 Sec. 25, T. 25 N., R. 36 E.
 Operator: Federal Bentonite Division
 Aurora Metal Co.
 1019 Jericho Rd., Aurora IL 60538
 Owner: Brazil Creek Bentonite Co.
 Box 907, Glasgow MT 59230
 Status: Developing

*GLASGOW WORKS Bentonite
 Sec. 1, 22, T. 27 N., R. 34 E.
 Owner-Operator: Federal Bentonite Division
 Aurora Metal Co.
 1019 Jericho Rd., Aurora IL 60538
 Employees: 17
 Mill capacity: 150,000 t/y
 Status: Produced

CHLORITE MINES

MADISON COUNTY: Virginia City 59755

*ANTLER MINING COMPANY PIT Chlorite
 Sec. 14, T. 2 S., R. 6 W.
 Owner-Operator: Sylvan Donegan, Jr., Robert Nolte
 Box 304, Twin Bridges MT 59754
 Status: Producing

CLAY MINES AND PITS

DEER LODGE COUNTY: Anaconda 59711

*PLACER FIRE CLAY PIT Fire clay
 Sec. 34, T. 5 N., R. 11 W.
 Owner-Operator: Harold Snow
 Box 1155, Anaconda MT 59711
 Status: Produced

FERGUS COUNTY: Lewistown 59457

- *LEWISTOWN PIT Clay
 Sec. 15, T. 15 N., R. 18 E.
 Owner-Operator: Lewistown Division,
 Lovell Clay Products Co., Cliff Hayes, Mgr.
 Box 1082, Lewistown MT 59457
 Employees: 15
 Status: Produced, inactive

JEFFERSON COUNTY: Boulder 59632

- *CALICO CLAY PIT Pottery clay
 Sec. 36, T. 2 N., R. 3 W.
 Owner-Operator: Robert C. and Barbara Nevin
 Box 5, Cardwell MT 59721
 Employees: 4
 Mill capacity: 50 g/d
 Status: Producing

FLUORSPAR MINES**SILVER BOW COUNTY: Butte 59701**

- **FOURTH ESTATE MINE Fluorspar, gold
 Summit Valley dist., sec. 13, T. 3 N., R. 9 W.
 Owner-Operator: Tom Helehan
 Box 235, Butte MT 59701
 Status: Developing

GRAPHITE MINES**BROADWATER COUNTY: Townsend 59644**

- BLACK DIAMOND GROUP Graphite
 Sec. 17, 20, 29, 32, T. 7 N., R. 1 E.
 Owner-Operator: Black Diamond Graphite Co.
 Jim Hill, Mgr.
 201 E. 6th Ave., Helena MT 59601
 Status: Inactive

GYP SUM MINES**FERGUS COUNTY: Lewistown 59457**

- SHOEMAKER (HEATH) MINE Gypsum
 Sec. 1, 2, T. 14 N., R. 19 E.
 Operator: U.S. Gypsum Co., Heath MT 59449
 Owner: U.S. Gypsum Co.
 101 S. Wacker Dr., Chicago IL 60606
 Employees: 75
 Mill capacity: 240 t/d
 Status: Produced

LIMESTONE MINES AND QUARRIES

BEAVERHEAD COUNTY: Dillon 59725

- **WHITE LIME GROUP Limestone
Argenta dist., sec. 17, T. 6 S., R. 10 W.
Owner-Operator: Rudy Nygren
Argenta Star Rt., Dillon MT 59725
Status: Developing

CARBON COUNTY: Red Lodge 59068

- *WARREN QUARRY Limestone
Sec. 24, 25, T. 8 S., R. 25 E., and
sec. 19, 30, T. 8 S., R. 26 E.
Operator: Big Horn Calcium Co.
Box 118, Frannie WY 82423
Owner: Big Horn Limestone Co.
P. O. Box 1952, Denver CO 80901
Employees: 20
Mill capacity: 10 t/hr
Status: Producing

DEER LODGE COUNTY: Anaconda 59711

- *BROWNS QUARRY Metallurgical limestone
Blue Eyed Nellie dist., sec. 23, T. 5 N., R. 12 W.
Operator: General Constructors
4999 Harrison Ave., Butte MT 59701
Owner: The Anaconda Co., Butte MT 59701
Employees: 12
Mill capacity: 359 t/hr
Status: Producing

GALLATIN COUNTY: Bozeman 59715

- *TRIDENT QUARRY Portland cement limestone
Sec. 9, 10, T. 2 N., R. 2 E.
Owner-Operator: Ideal Basic Industries - Cement Div.
P. O. Box 8789, Denver CO 80201
Employees: 100
Mill capacity: 330,000 t/yr
Status: Producing

GRANITE COUNTY: Philipsburg 59858

- *BIG HORN CALCIUM QUARRY Limestone
Sec. 14, T. 11 N., R. 13 W.
Owner-Operator: Big Horn Calcium Co.
P. O. Box 118, Frannie WY 82423
Employees: 20
Status: Inactive

JEFFERSON COUNTY: Boulder 59632

***McCLELLAN QUARRY** Limestone
 McClellan dist., sec. 7, T. 9 N., R. 2 W.
 Operator: Maronick Construction Co., Inc.
 East Helena MT 59635
 Owner: E. P. Maronick, Pres.
 East Helena MT 59635
 Employees: 3
 Mill capacity: 600 t/d
 Status: Producing

***MONTANA CITY QUARRY**
 Portland cement limestone
 Sec. 12, 13, T. 9 N., R. 3 W.
 Operator: Kaiser Cement
 Montana City MT 59602
 Owner: Kaiser Cement and Gypsum Corp.
 Kaiser Center, Oakland CA 94600
 Employees: 93
 Mill capacity: 1000 t/d
 Status: Producing

PHOSPHATE MINES**POWELL COUNTY: Deer Lodge 59722**

***RELYEA MINE** Phosphate rock
 Garrison dist.
 S½ sec. 12, T. 10 N., R. 10 W.
 Owner-Operator: George Relyea
 Box 116, Garrison MT 59731
 Status: Inactive

WARM SPRINGS MINE Phosphate rock
 Garrison dist., sec. 11, 13, 24, T. 10 N., R. 10 W.,
 and sec. 19, T. 10 N., R. 9 W.
 Owner-Operator: Cominco American, Inc.
 Garrison MT 59731
 Employees: 130
 Status: Producing

SAPPHIRE MINES**GRANITE COUNTY: Philipsburg 59858**

CHAUSSEE SAPPHIRE CORP. Sapphire
 West Fork Rock Creek dist., T. 6 N., R. 16 W.
 Operator: Kenneth W. Clevish
 Box 706, Philipsburg MT 59858
 Owner: Wil Chaussee
 Box 706, Philipsburg MT 59858
 Employees: 13
 Status: Producing

JUDITH BASIN COUNTY: Stanford 59479

SAPPHIRE INTERNATIONAL CORP. MINE Sapphire
 Yogo dist., sec. 19, 20, 21, 22, T. 13 N., R. 11 E.
 Operator: Saturn Exploration and Mining Co.
 Greenwood Plaza, Plaza North Bldg.
 5660 South Syracuse Circle, Englewood CO 80110
 Owner: Sapphire International Corp.
 21241 Ventura Blvd., Suite 190
 Woodland Hills CA 91364
 Mill capacity: 300 t/d
 Status: Inactive

LEWIS AND CLARK COUNTY: Helena 59601

*EL DORADO BAR SAPPHIRE MINE Sapphire
 Sec. 2, 10, 11, T. 11 N., R. 12 W.
 Operator: Dr. James Peterson
 2428 N. Highland, Altadena CA 91001
 Owner: Eldorado, Inc.
 Box 1073, Lancaster PA 17604
 Status: Producing

SEMIPRECIOUS STONES**MISSOULA COUNTY: Missoula 59801**

*FOUR V's CLAIMS Smoky quartz
 Fish Creek dist., sec. 22, T. 11 N., R. 24 W.
 Owner-Operator: Albert E. Volker
 2412 Highwood St., Missoula MT 59801
 Status: Produced, producing

SHALE PITS**GALLATIN COUNTY: Bozeman 59715**

*KANTA PIT Expanded shale
 Sec. 13, T. 2 N., R. 2 E.
 Owner-Operator: Kanta Products, Inc.
 Box 96, Three Forks MT 59752
 Employees: 1
 Status: Producing

JEFFERSON COUNTY: Boulder 59632

CARDWELL PIT Expanded shale
 E½ W½ sec. 36, T. 2 N., R. 3 W.
 Operator: Kanta Products, Inc.
 Box 96, Three Forks MT 59752
 Owner: State of Montana, Helena MT 59601
 Employees: 1
 Status: Producing

SILICA MINES AND QUARRIES**BEAVERHEAD COUNTY: Dillon 59725**

*CANYON CREEK QUARRY Metallurgical silica
 Melrose dist., sec. 32, T. 1 S., R. 9 W.
 Owner-Operator: Industrial Chemical Div., Stauffer
 Chemical Co., Box 3146, Butte MT 59701
 Employees: 4
 Mill capacity: 500 t/d
 Status: Producing

JEFFERSON COUNTY: Boulder 59632

- *BASIN QUARTZ QUARRY Industrial silica
 Basin dist., sec. 16, T. 6 N., R. 5 W.
 Operator: Pacific Silica Co.
 Basin MT 59631
 Owner: Union Carbide Co.
 Portland OR 97200
 Status: Producing

MINERAL COUNTY: Superior 59872

- | | |
|--|--|
| <p>*M & C CLAIMS Silica
 Quartz Creek dist., sec. 2 and
 3, T. 14 N., R. 26 W.
 Operator: Victor D. Wright
 Box 448, Alberton MT 59820
 Owner: Victor D. Wright and others
 Box 448, Alberton MT 59820
 Status: Developing</p> | <p>SKYLINE MINE Optical silica, silica
 Quartz Creek dist., sec. 4, T. 14 N., R. 27 W.
 Operator: Victor D. Wright
 Box 233, Alberton MT 59820
 Owner: Victor D. Wright and others
 Box 233, Alberton MT 59820
 Status: Developing</p> |
|--|--|

RAVALLI COUNTY: Hamilton 59840

- **EAGLE ROCK GROUP Quartz
 Dist. (unorg.), sec. 1, 2, 6, 10, 11, 12, 13, 14, 15,
 and 22, T. 5 N., R. 19 W.
 Owner-Operator: Eagle Rock Mining Co., Inc.
 1308 S. 1st St., Hamilton MT 59840
 Status: Inactive

SOIL CONDITIONERS**LAKE COUNTY: Polson 59860**

- *MARTIN'S PEAT, INC. Peat
 Sec. 16, 17, T. 24 N., R. 17 W.
 Owner-Operator: Martin's Peat, Inc.
 Ronald I. Martin, Pres.
 Swan Lake MT 59911
 Employees: 9
 Status: Produced

STONE QUARRIES**CARBON COUNTY: Red Lodge 59068**

- *DEADMAN QUARRY Ornamental stone
 Sec. 1, 12, 25, T. 8 S., R. 28 E., and
 sec. 26, 35, T. 7 S., R. 28 E.
 Owner-Operator: Pryor Mountain Stone Co.
 Box 302, Powell WY 82435
 Status: Inactive

MISSOULA COUNTY: Missoula 59801

- *McQUARRIE QUARRY Railroad ballast, road material
Clinton (Wallace) dist., sec. 17, T. 12 N., R. 17 W.
Operator: Janney Construction Co., Inc.
Box 517, Deer Lodge MT 59722
Owner: Burlington Northern, Inc.
St. Paul MN 55101
Employees: 10
Mill capacity: 200 t/hr
Status: Produced

PARK COUNTY: Livingston 59047**GARDINER TRAVERTINE QUARRY**

Building stone
Sec. 14, T. 9 S., R. 8 E.
Owner-Operator: Clesson Hayes
Box 167, Gardiner MT 59030
Status: Inactive

***LIVINGSTON MARBLE AND GRANITE**

QUARRY Ashlar, cut stone, rubble
Sec. 14, 24, T. 9 S., R. 8 E.
Operator: Livingston Marble and Granite
Works, Livingston MT 59047
Owner: H. W. Strong
711 E. Park, Livingston MT 59047
Employees: 23
Status: Producing, developing

RAVALLI COUNTY: Hamilton 59840***BITTERROOT VALLEY STONE QUARRY**

Ornamental stone
Sec. 7, T. 4 N., R. 21 W.
Owner-Operator: Frank Jaquette
Rt. 1, Box 274, Hamilton MT 59840
Status: Produced, developing

TALC MINES**MADISON COUNTY: Virginia City 59755*****BEAVERHEAD MINE Talc**

Stone Creek dist., sec. 11, 14, T. 7 S., R. 6 W.
Owner-Operator: Cyprus Industrial Minerals
555 S. Flower St.
Los Angeles CA 90017
Employees: 4
Status: Producing

****RUBY NO. 1 and NO. 2 MINE Talc**

Warm Springs dist., sec. 11, T. 8 S., R. 4 W.
Owner-Operator: Sam Maloney and
and Goldie Schneider
Box 118, Alder MT 59710
Status: Inactive

***REGAL MINE AND PLANT Talc**

Sweetwater dist., N½ sec. 2, T. 8 S., R. 7 W.
Owner-Operator: Pfizer, Inc.
Box 1147, Dillon MT 59725
Employees: 118
Status: Producing

***TREASURE CHEST MINE Talc**

Stone Creek dist.
NE¼ NE¼ sec. 15, T. 7 S., R. 6 W.
Owner-Operator: Pfizer, Inc.
Box 1147, Dillon MT 59725
Employees: 18
Status: Producing

Madison County (continued)

***WILLOW CREEK MINE (RUBY RIDGE GROUP)** Talc
 Home Park dist., sec. 30, T. 8 S., R. 3 W.
 Operator: Resource Processors, Inc.
 Summit NJ 07901
 Owner: Madison Minerals Corp.
 C. W. Hafer, Sr.
 1967 Yale Ave., Butte MT 59701
 Status: Producing, developing

***YELLOWSTONE (CAMERON) MINE** Talc
 Johnny Gulch dist., sec. 4, T. 9 S., R. 1 W.
 Owner-Operator: Cyprus Industrial Minerals
 555 S. Flower St., Los Angeles CA 90017
 Employees: 65
 Status: Produced, producing

VERMICULITE MINES**LINCOLN COUNTY: Libby 59923**

***ZONOLITE MINE** Vermiculite
 Rainy Creek dist., sec. 14, 15, 22 and
 23, T. 31 N., R. 30 W.
 Owner-Operator: Construction Products Division,
 W. R. Grace & Co.
 62 Whittemore Ave., Cambridge MA 02140
 Employees: 200
 Mill capacity: 1000 t/d
 Status: Produced

MADISON COUNTY: Virginia City 59755

***CONSTELLATION DEPOSIT** Vermiculite
 Mineral Hill dist., sec. 26, T. 1 S., R. 3 W.
 Owner-Operator: Mine-X Inc.
 c/o W. G. Forbes
 Box 656, Pony MT 59747
 Status: Producing, developing

***GILLIAM VERMICULITE DEPOSIT**
 Vermiculite
 Mineral Hill dist., sec. 25, T. 1 S., R. 3 W.
 Owner-Operator: Mine-X Inc.
 c/o W. G. Forbes
 Box 656, Pony MT 59747
 Status: Produced, developing

RAVALLI COUNTY: Hamilton 59840

WESTERN VERMICULITE GROUP Vermiculite
 Sec. 24, 25, T. 6 N., R. 19 W.
 Operator: Western Vermiculite Co.
 P. O. Box 4925, Missoula MT 59801
 Owner: National Minerals and Argee Corp.
 P. O. Box 4925, Missoula MT 59801
 Employees: 20
 Mill capacity: 100 t/hr
 Status: Producing

PART 3, COAL MINES

BIG HORN COUNTY: Hardin 59034

*ABSALOKA MINE Coal
 Sec. 25, T. 1 N., R. 37 E.
 Operator: Morrison-Knudsen Co., Inc.
 Hardin MT 59034
 Owner: Westmoreland Resources
 P. O. Box 449, Hardin MT 59034
 Employees: 108
 Status: Producing

*WEST DECKER MINE Coal
 Decker dist., sec. 9, T. 9 S., R. 40 E.
 Owner-Operator: Decker Coal Co.
 Box 746, Sheridan WY 82801
 Mill capacity: 3000 t/hr
 Employees: 235
 Status: Producing

*EAST DECKER MINE Coal
 Decker dist., sec. 11, 12, 14, T. 9 S., R. 40 E.
 Owner-Operator: Decker Coal Co.
 Box 746, Sheridan WY 82801
 Mill capacity: 5500 t/hr
 Employees: 389
 Status: Producing, developing

CARBON COUNTY: Red Lodge 59068

BROPHY NO. 2 MINE Coal (underground)
 Red Lodge dist., sec. 6, T. 8 S., R. 21 E., and
 sec. 31, 36, T. 7 S., R. 20 E.
 Owner-Operator: Beartooth Coal Co.
 121 SW Salmon, Portland OR 97211
 Employees: 17
 Status: Developing

DAWSON COUNTY: Glendive 59330

*PEUSE MINE Coal
 Sec. 13, T. 16 N., R. 53 E.
 Owner-Operator: Gordon Peuse
 CB Rt., Glendive MT 59330
 Employees: 1
 Status: Producing

MUSSELSHELL COUNTY: Roundup 59072

*DIVIDE MINE Coal
 Sec. 23, 24, T. 6 N., R. 26 E.
 Owner-Operator: Divide Coal Mining Co.
 Box 342, Roundup MT 59072
 Mill capacity: 250 t/d
 Employees: 3
 Status: Produced, producing

STORM KING PIT Coal
 Sec. 23, T. 6 N., R. 26 E.
 Owner-Operator: Jack and Victor Carlson
 Divide Coal Mining Co.
 Box 342, Roundup MT 59072
 Status: Producing

*P. M. MINE Coal
 Sec. 13, T. 6 N., R. 26 E.
 Owner-Operator: P. M. Coal Mining Co., Maged Bros.
 Goulding Creek Rt., Roundup MT 59072
 Employees: 3
 Status: Producing

POWDER RIVER COUNTY: Broadus 59317

*COAL CREEK MINE Coal
 Sec. 3, T. 3 S., R. 45 E.
 Owner-Operator: Coal Creek Mining Co.
 Clayton Tonnemaker, Pres.
 P. O. Box 145, Ashland MT 59003
 Status: Produced

RICHLAND COUNTY: Sidney 59270

*SAVAGE MINE Coal
 Sec. 27, T. 20 N., R. 57 E.
 Owner-Operator: Knife River Coal Mining Co.
 P. O. Box 1357, Bismarck ND 58501
 Employees: 26
 Mill capacity: 350 t/hr
 Status: Producing

ROSEBUD COUNTY: Forsyth 59327

*BIG SKY MINE Coal
 Sec. 27, T. 1 N., R. 41 E.
 Owner-Operator: Peabody Coal Co.
 Box 97, Colstrip MT 59323
 Employees: 90
 Status: Producing, developing

*ROSEBUD MINE Coal
 Rosebud dist., sec. 1, 3, 4 and
 12, T. 1 N., R. 41 E.; sec. 33, T. 2 N., R. 41 E
 Operator: Long Construction
 Billings MT 59101
 Owner: Western Energy Co.
 Box 37, Colstrip MT 59323
 Employees: 330
 Status: Produced

**ALL MINERS AND PROSPECTORS SHOULD BE AWARE OF THE
 STATE LAW PERTAINING TO INSPECTION OF MINES**

[Title 50-108 (3425)]

“This act shall apply to all mines (except coal and lignite) and individuals, owners, lessors, lessees, agents, partnerships, corporations, managers, operators or employers operating any surface or underground metal or nonmetallic mines in this state. These individuals, owners, lessors, lessees, agents, partnerships, corporations, managers, operators or employers operating any surface or underground metal or nonmetallic mines (excluding coal and lignite) shall report the same to the Workers’ Compensation Division (State Inspector of Mines), state the name of the mine, the location of the same, the name of the company, person or persons owning or operating the same, post office address and number of men employed.”

Appendix

Table 1—Nonfuel mineral production in Montana.

List 1—Supplemental list of mining enterprises.

List 2—Mining districts.

List 3—Strippable subbituminous and lignite coal fields.



Table 1—Nonfuel mineral production in Montana.*

Mineral	Measure	1978		1979**	
		Quantity	Value (thousands)	Quantity	Value (thousands)
Antimony	short tons	W	W	310	W
Clays	thousand short tons	217	\$ 3,669	223	\$ 4,303
Copper (recoverable content of ores, etc.)	metric tons	67,326	98,705	70,660	143,360
Gem stones		NA	100	NA	100
Gold (recoverable content of ores, etc.)	troy ounces	19,967	3,865	25,370	7,611
Lead (recoverable content of ores, etc.)	metric tons	132	98	195	227
Lime	thousand short tons	204	7,030	227	9,419
Sand and gravel	thousand short tons	6,391	14,230	6,200	15,000
Silver (recoverable content of ores, etc.)	thousand troy ounces	2,918	15,759	3,179	33,860
Stone, crushed	thousand short tons	3,188	7,733	2,996	7,768
Talc	thousand short tons	319	5,152	346	6,144
Tungsten ore (W content)	thousand pounds	W	W	10	73
Zinc (recoverable content of ores, etc.)	metric tons	79	54	100	82
Combined value of barite, ce- ment (masonry and portland), fluorspar, gypsum, iron ore (1978), peat, phosphate rock, stone (dimension), vermiculite and items indicated by symbol W		XX	49,375	XX	50,947
TOTAL		XX	\$205,800	XX	\$278,894

*Production as measured by mine shipments, sales or marketable production (including consumption by producers).

**Preliminary.

(NA), not available; (W), withheld to avoid disclosing company proprietary data (value included in "Combined value" figure); (XX), not applicable.

List 1

Supplemental List of Mining Enterprises

This list includes mining enterprises that have been inactive up to three years, or have not returned questionnaires. The abbreviations used to describe their former status are: (I), inactive; (U), unknown.

BEAVERHEAD COUNTY

Browns Lake	I	1977
Ferdinand	I	1978
Green Lizard	U	1979
Greenstone	I	1978
Leadville	I	1977
Maiden Creek Copper	I	1977
McCarthy (Deadwood)	I	1978
New Departure	I	1977
Peat Lease	U	1977
Peterson deposit	I	1978
Queen of the Hills	I	1977
Rena	I	1977
Telstar	I	1979

BIG HORN COUNTY

Rosebud Tongue River	I	1978
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BROADWATER COUNTY

Big Deal	I	1978
Garnet	U	1977
Iron Cross	I	1979
Loomis	U	1979
Lupine	I	1977
Schreiner	U	1979

CASCADE COUNTY

Ponderosa	U	1978
Treasurelite pit	I	1979

DEER LODGE COUNTY

Cottonwood	U	1977
Minnehaha and Horseshoe	U	1978
Silver Reef	U	1977

FERGUS COUNTY

Surprise stone quarry	U	1979
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GRANITE COUNTY

Bi-Metallic	I	1979
Black Pine tailings	I	1978
Brooklyn and D.G.	U	1977
Confident, Radar, Castle 1 and 2 placer	U	1978

Granite County (continued)

Little Emma	I	1979
Mountain Boy	U	1978
North Star	I	1979
Wolverine placer	I	1978

JEFFERSON COUNTY

Bear Gulch	U	1977
Bullion	U	1977
Lotta	I	1977
New Stake	I	1978
Redemption	I	1977
Relief	I	1978
Robert Emmett	I	1977
South View	I	1978
Vera and Marie	U	1977

JUDITH BASIN COUNTY

Cape Nome	U	1977
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LEWIS AND CLARK COUNTY

American Boy (North Gould group)	U	1978
Frisbee Stemple	U	1979
Stemple and Jay Gould	U	1977
Wiggins	U	1979

LINCOLN COUNTY

Silver Butte	U	1979
Snowshoe	U	1978

MADISON COUNTY

Alabah	I	1977
Beverly	I	1977
Big Tom	I	1977
Forks	U	1977
Frida Marie	U	1977
Hidden Treasure	U	1978
Hill Top	U	1977
Johnson Moffet	I	1977
Jumper claims	U	1978
Smuggler	U	1977
Sweetwater	I	1978
Tamarack	U	1979
Union	I	1978

List 1—Supplemental List of Mining Enterprises (*continued*)**MEAGHER COUNTY**

King	U	1979
Montcana	I	1979
Stuart	I	1977
Voss	I	1979

MINERAL COUNTY

Black Traveler and Buloring	I	1978
Hemlock	I	1979
Minnick	I	1978
Oregon Creek placer	I	1978
Silver Creek	I	1977

MISSOULA COUNTY

Frances	I	1979
Sweet Bye and Bye	I	1978

PARK COUNTY

DMH	I	1978
Pete Pear	I	1977

PHILLIPS COUNTY

Brazil Creek pit	I	1979
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POWELL COUNTY

Emery Ridge (Pikes Peak)	U	1979
Hard Luck	U	1977
Hidden Hand	U	1979
Jackson	I	1979
Leprechaun placer	U	1977
Warm Springs Creek quarry	I	1979

RAVALLI COUNTY

Crystal Mountain	I	1979
Logger (Bugle Ridge)	U	1977
Marion	U	1979

SANDERS COUNTY

Fishtrap quarries	U	1978
Frederick and Wind	U	1979
Jeff, Wog and Circle 8	U	1979

SILVER BOW COUNTY

Climax (Apex) lode	I	1978
Fish Creek	I	1978
Gavin placer	I	1978
Lucky Strike	I	1979
Mountain Con	I	1978
Overlook	U	1979
Steward	I	1979

List 2

Mining Districts

Beaverhead Co., D-4

1. Ajax
2. Argenta
(Montana)
3. Bald Mountain
4. Bannack
5. Beaverhead
(Dark Horse)
(Mulchy Creek)
6. Big Muddy
7. Blacktail
8. Bloody Dick
(Beaverhead)
9. Blue Wing
10. Bryant
(Hecla)
(Glendale)
11. Chinatown
(Armstead)
12. Dillon
(Carter Creek)
(Frying Pan Basin)
13. Elkhorn
(Coolidge)
(Wise River)
14. Horse Prairie
15. Jake Creek
16. Lost Creek
(Brown's Lake)
(Rock Creek)
17. Medicine Lodge
18. Monida
19. Mount Torrey
20. Niccolia
21. Nogo
(Apex)
22. Pioneer
23. Polaris
(Lost Cloud)
24. Ruby
25. Saginaw
(Jackson)
26. Utopia
(Birch Creek)
27. Vipond
28. Wisdom
(Big Hole)

Blaine Co., A-8

29. Bearpaw

Broadwater Co., C-5

30. Confederate Gulch
(Backer)
(Canton)
(Diamond City)
31. Deep Creek
32. Hellgate

33. Lone Mountain

34. Maggie Gulch
35. Park
(Hassel)
(Indian Creek)
(Townsend)
36. Radersburg
(Cedar Plains)
37. Winston
(Beaver Creek)

Carbon Co., D-7

38. Clark Fork
39. Hellroaring
40. Silver Run

Cascade Co., B-5

41. Neihart
(Montana)

Deer Lodge Co., D-3

42. Blue Eyed Nellie
(Silver Lake)
43. French Gulch
44. Georgetown
(Southern Cross)
(Cable)
45. Girard
46. Heber
(Mill Creek)
47. Lost Creek
(Dry Gulch)
(Antelope Creek)
48. Oro Fino
(Dry Cottonwood)

Fergus Co., B-7

49. Cone Butte
50. North Moccasin
(Kendall)
51. Warm Springs
(Gilt Edge)
(Maiden)

Flathead Co., A-2

52. Hog Heaven
(Flathead)
(Kila)
53. Star Meadow
(Lupfer)
54. Whitefish

Gallatin Co., D-5

55. Eldridge
56. West Gallatin
(Spring Hill)

Granite Co., C-3

57. Alps
(Bonita)
58. Antelope Creek
59. Combination
(Henderson)
(Black Pine)
60. Dunkleburg
61. Frog Pond Basin
62. Garnet
(Top-o'-Deep)
(First Chance)
63. Maxville
(Wyman)
(Gird Creek)
64. Moose Lake
65. Philipsburg
(Flint Creek)
(Granite)
66. Red Lion
(Cable Mountain)
67. Rock Creek
68. Rose Mountain
(Gold Creek)
69. South Boulder
(Princeton)
70. Welcome Creek

Jefferson Co., C-4

71. Alhambra
(Hot Springs)
(Golconda)
72. Amazon
73. Basin
(Cataract)
(Comet)
74. Beaver Gulch
75. Boulder
76. Big Foot
(State Creek)
77. Clancy
(Lump Gulch)
(Buffalo Creek)
78. Colorado
(Corbin)
(Gregory)
(Wickes)
79. Elkhorn
80. Elk Park
81. Homestake
82. Little Pipestone
83. Lowland
84. McClellan
(Mitchell Creek)
85. Montana City
86. Nez Perce
87. Pipestone

88. Whitehall
(Cardwell)

89. Whitetail

Judith Basin Co., B-6

90. Barker
91. (Hughesville)
91. Running Wolf
92. Yogo

Lake Co., B-2

93. Elmo
(Chief Cliff)

Lewis and Clark Co., B-4

94. Austin
(Greenhorn)
95. Blue Cloud
96. Gould-Stemple
(Fool Hen)
(Poorman)
97. Heddleston
(Blackfoot)
(Silver)
98. Helena
(Last Chance)
(Springhill)
(Unionville)
(Owyhee)
99. Lincoln
(McClellan Gulch)
(Seven-up Pete Gulch)
(Keep Cool Creek)
(Liverpool Creek)
(Stonewall Mountain)
100. Marysville
(Bald Butte)
(Ottawa)
101. Missouri River
102. Ophir
103. Rimini
(Vaughn)
(Bear Gulch)
104. Scratchgravel Hills
(Grass Valley)
105. Wolf Creek
(Gladstone)
106. York

Lincoln Co., A-1

107. Cabinet
(Fish River)
108. Libby
(Snowshoe)
109. Rainy Creek
110. Sylvanite
111. Tobacco River

List 2—Mining Districts (*continued*)

112. Troy
(Grouse Mountain)
(Calahan)
113. Wolf Creek
- Madison Co., D-5**
114. Bismark
(Wilmah)
115. Cherry Creek
116. McCarthy Mountain
117. Norris
(Lower Hot Springs)
(Upper Hot Springs)
118. Norwegian Creek
119. Pony
(Mineral Hill)
120. Potosi
121. Renova
(Bone Basin)
(Mayflower)
122. Rochester
(Rabbit)
123. Ruby Mountains
124. Sand Creek
125. Sheridan
(Mill Creek)
(Brandon)
(Indian Creek)
(Ramshorn)
126. Silver Star
(Iron Rod)
127. South Boulder
(Mammoth)
128. Tidal Wave
(Twin Bridges)
129. Virginia City
(Summit)
(Pine Grove)
(Highland)
(Fairweather)
(Nevada)
(Junction)
(Alder Gulch)
(Brown's Gulch)
(Granite Creek)
(William's Gulch)
(Barton Gulch)
130. Washington
(Meadow Creek)
(McAllister)
- Meagher Co., C-6**
131. Beaver
(Elk Creek)
(Thompson Creek)
132. Castle Mountains
133. Murray
(Battle Creek)
134. Musselshell
(Copperopolis)
- Mineral Co., B-2**
135. Cedar Creek
(Quartz Creek)
(Trout Creek)
136. Denemora
(Big Elk)
(Saltese)
137. Iron Mountain
(Superior)
138. Keystone
139. Packer Creek
140. Rock Island
141. St. Regis
(Deer Creek)
(Ward)
- Missoula Co., C-3**
142. Clinton
(Wallace)
143. Coloma
(Potomac)
144. Copper Cliff
145. Elk Creek
146. Nine Mile Creek
(Kennedy Creek)
147. Petty Creek
148. Woodman
(Lolo)
- Park Co., D-6**
149. Cowles
(Haystack)
150. Crevasse
151. Emigrant
(Chico)
152. Horseshoe
153. Jardine
(Bear Gulch)
(Sheepeater)
154. New World
(Cooke City)
(Blackmore)
- Phillips Co., A-9**
155. Little Rockies
(Landusky)
(Zortman)
- Powell Co., C-4**
156. Big Blackfoot
(Helmville)
157. Elliston
(Ontario)
(Nigger Hill)
158. Emery
(Zosell)
159. Finn
(Washington)
(Jefferson and
Buffalo Gulches)
160. Garrison
161. Ophir
(Snowshoe)
(Deadwood)
162. Oro Fino
163. Pioneer
(Gold Creek)
164. Racetrack
(Danielsville)
- Ravalli Co., C-2**
165. Curlew
166. Hughes Creek
(Alta)
(Overwich)
167. Mineral Point
168. Pleasant View
169. Slate Creek
170. Three Mile
- Sanders Co., B-1**
171. Blue Creek
(Heron)
172. Camas Prairie
(Perma)
173. Plains
174. Prospect Creek
175. Revais Creek
(Dixon)
176. Sleepy Creek
(Belknap)
177. Silver Butte
(Vermillion)
(Cabinet)
178. Spring Gulch
179. Thompson River
180. Trout Creek
181. White Pine
(Eagle)
- Silver Bow Co., D-4**
182. Basin Creek
183. Butte
(Summit Valley)
(Lost Child)
184. Divide Creek
185. Fleece Mountain
186. German Gulch
(Siberia)
187. Highland
188. Independence
189. Melrose
(Camp Creek)
(Soap Gulch)
190. Moose Creek
- Stillwater Co., D-7**
191. Nye
192. Stillwater
193. Yellowstone River
- Sweet Grass Co., D-6**
194. Big Timber Canyon
195. Boulder River
196. Independence
197. Natural Bridge
198. West Stillwater
- Toole Co., A-5**
199. Gold Butte
200. West Butte

List 3

Strippable Subbituminous and Lignite Coal Fields

No. on map	Name of field	Coal bed	Est. reserves in millions of tons	Acreage	Average tons/acre	Ash*	Sulfur*	Btu*
1C	Decker	Anderson-Dietz 1 & 2	2,239.99	25,523	87,763	4.0	.40	9,652
2C	Deer Creek	Anderson-Dietz 1 & 2	495.65	14,214	35,397	4.0	.50	9,282
3C	Roland	Roland	218.04	12,076	18,055	9.2	.74	8,164
4C	Squirrel	Roland	133.41	6,208	21,490	5.5	.29	7,723
5C	Kirby	Anderson	216.52	5,655	38,285	4.2	.32	8,328
		Wall	473.69	5,952	79,579			
		Dietz	834.35	17,516	47,630	5.8	.59	8,509
		Canyon	158.53	4,066	38,983	5.8	.24	8,789
6C	Canyon	Wall	1,884.25	23,859	78,974	4.6	.30	9,088
		Brewster-Arnold	65.86	2,067	31,859	7.5	.40	8,444
7C	Birney	Brewster-Arnold	180.55	6,969	25,905	5.1	.41	9,055
8C	Poker Jim Lookout	Anderson-Dietz	872.65	19,609	44,501	5.2	.37	7,925
9C	Hanging Woman Creek	Anderson	1,583.29	30,547	51,830	4.9	.29	8,496
		Dietz	1,120.96	43,654	25,678	5.5	.33	8,078
10C	West Moorhead	Anderson	883.74	19,660	44,949	5.3	.36	8,296
		Dietz	397.49	20,416	19,469	4.1	.41	7,990
		Canyon	690.19	22,547	30,611	5.6	.45	8,055
11C	Poker Jim O'Dell	Knobloch	373.29	7,890	47,311	5.1	.22	8,846
		Knobloch	564.78	7,187	78,581			
12C	Otter Creek	Knobloch	2,075.55	25,791	80,475	4.7	.36	8,468
13C	Ashland	Knobloch	2,696.20	27,200	99,125	4.8	.15	8,421
		Sawyer A & C	357.49	20,262	17,643	4.9	.49	7,883
14C	Colstrip	Rosebud	1,439.26	33,379	43,118	9.5	.12	8,836
15C	Pumpkin Creek	Sawyer	2,426.50	45,695	53,102	7.5	.34	7,438
16C	Foster Creek	Knobloch	708.13	27,801	25,470	7.8	.76	7,573
		Terret	460.87	27,462	16,782	5.8	.21	7,770
		Flowers-Goodale	258.90	14,444	17,924	7.8	.51	7,553
17C	Broadus	Broadus	739.82	18,429	40,142	7.2	.27	7,437
18C	East Moorhead	T	525.21	15,559	33,756	6.2	.57	7,120
19C	Diamond Butte	Canyon	418.02	21,363	19,566	4.8	.43	7,330
20C	Goodspeed Butte	Cook	628.95	13,446	46,775	10.6	1.63	6,771
21C	Fire Gulch	Pawnee & Cook	336.69	8,486	39,674	3.8	.33	7,739
22C	Sweeney-Snyder	Terret	326.33	10,921	29,880	9.1	.11	8,175
23C	Yager Butte	Elk & Dunning	1,175.86	26,924	43,673	4.8	.33	7,646
		Cook	312.02	14,507	21,507	6.7	.63	7,254
24C	Threemile Buttes	Canyon & Ferry	225.40	13,836	16,289	5.5	.94	6,867
25C	Sonnette	Pawnee	320.25	8,224	38,940	9.8	.88	6,964
		Cook	362.98	10,470	34,668	8.1	1.23	6,891
26C	Home Creek Butte	Canyon & Ferry	217.21	4,851	44,774			
27C	Little Pumpkin Creek	Sawyer A & C, D, X & E	215.83	8,534	25,290			
28C	Sand Creek	Knobloch	267.34	5,952	44,915	6.6	.30	7,340
29C	Beaver-Liscom	Flowers-Goodale & Terret	135.87	8,851	15,350	8.1	.96	8,102
		Knobloch	491.62	17,075	28,791	7.7	.50	8,027
30C	Greenleaf-Miller Creek	Rosebud, Knobloch and Sawyer	453.71	14,918	30,413	7.5	.71	8,422
31C	Pine Hills	Dominy	193.87	6,022	32,191	7.2	.53	7,293
32C	Knowlton	Dominy (M & L)	747.51	19,613	38,112	7.1	.41	6,710
		Dominy (U)	120.31	4,448	27,048	5.6	.38	6,645
33C	Sarpy Creek	Rosebud-McKay	1,500.00	42,373	35,400	6.5	.50	8,600
34C	Cheyenne Meadows	Knobloch	1,200.00	13,560	88,500	4.1	.40	8,400
35C	Little Wolf	Rosebud-McKay	314.00	7,411	42,370			
36C	Jeans Fork		90.00	3,800	23,685			
37C	Wolf Mountains		1,922.00	31,000	62,000			
38C	Lame Jones	Dominy	150.00	10,593	14,160			6,020
39C	Lamesteer	Harmon(?)	35.00	1,978	17,700			6,332
40C	Wibaux	C	643.00	18,518	34,720	7.9	.90	6,050
41C	Little Beaver	C	134.00	8,445	15,865			
42C	Four Buttes	C	91.00	5,180	17,570			6,140
43C	Hodges		10.00	807	12,390			
44C	Griffith Creek		10.00	568	17,700			
45C	Smith-Dry Creek	G	150.00	8,475	17,700			
46C	O'Brian-Alkalie Creek		150.00	8,475	17,700			
47C	Breezy Flat	Pust	200.00	7,062	30,090	6.7	.50	6,660
48C	Burns Creek	Pust	200.00	7,062	30,090			
49C	N. F. Thirteen Mile Creek	Pust	225.00	5,085	44,250			6,880
50C	Fox Lake	Pust	46.00	2,166	21,240			6,880
51C	Lane	Lane	561.00	44,582	12,390			7,150
52C	Carroll	Carroll	345.00	29,780	11,584	5.5	.30	7,400

List 3—Strippable Subbituminous and Lignite Coal Fields *(continued)*

No. on map	Name of field	Coal bed	Est. reserves in millions of tons	Acreage	Average tons/acre	Ash*	Sulfur*	Btu*
53C	Redwater River	S	642.00	24,181	26,550	6.1	.40	7,400
54C	Weldon-Timber Creek	S	724.00	25,565	28,320			7,660
55C	Fort Kipp	Ft. Kipp-Ft. Peck	331.00	14,500	22,830	4.6	.20	6,110
56C	Lanark	Lanark	100.00	3,531	12,390	6.3	.40	6,853
57C	Medicine Lake		58.00	3,740	15,510	7.2	1.00	6,870
58C	Reserve		246.00	18,231	13,495	7.6	.40	6,599
59C	Coal Ridge	Coal Ridge	150.00	19,200	17,700	7.5	.40	5,830
60C	Carpenter Creek	Carpenter	50.00	3,211	14,015	6.5	.40	9,270
61C	Charter	Mammoth	60.00	3,210	17,700	6.0	.90	10,190
62C	Little Sheep Mountain	A&C	200.00	10,272	19,470			
TOTAL			42,561.93	1,152,640				

*"As received" basis. Where more than one sample available, average figures are given. (Robert E. Matson, pers. commun., 1973.)

Index of Mines, Mine Owners and Operators

(Mines in Supplemental List [page 38] not included in this Index.)

Abbott, G. S.	5	Bennett, Carroll R.	4
Absaloka mine	33	Bennett, Richard C.	4
Adams, Owen	2	Berg, Carl	14
Adele mine	10	Berkeley pit	18
Ajax mine	1	Bessie and Golden Wave mine	11
Alameda-Wakoosta mine	11	Betty placer	22
Alexander, June	24	Big Horn Calcium Co.	27
All placer	21	Big Horn Calcium quarry	27
Allen, Harvey	2	Big Horn Limestone Co.	27
Amazon-Dixie mine	14	Big Major mine	7
Amazon-Dixie Mining Co.	14	Big Mary mine	7
Amazon (Red Fir) mine	18	Big Sky mine	34
American Colloid Co.	25	Big Sky Sapphire, Inc.	21
American Colloid pit	25	Bitterroot Valley stone quarry	31
American Tungsten Corp.	20	Black Bull mine	5
Anaconda Company, The	6, 10, 18, 19, 24, 27	Black Butte mine	19
Anderson, Helen	12	Black Canyon placers	21
Anderson, O. B.	14	Black Diamond Graphite Co.	26
Anliker, Mary C.	22	Black Diamond group	26
Antler Mining Co. pit	25	Black Pine mine	6
Antonioli, Frank	6	Black Pine Mining Co.	6
Antonioli, Peter	6	Blackhawk and Summit (Old Summit) mine	4
Antonioli, Peter J.	4	Blue Bird mine	6
Antonioli, Peter J. and Son	4	Blue Grouse group	6
Antonioli, William	6	Blue Moon mine	20
Aquarius mine	7	Blue Sky Mining Corp.	1
Armada Corp.	15	Bluebird group	3
Armada mine	6	BonAccord Mining Co.	21
Armada Mines	6	Bonanza group (Mineral Co.)	14
Atlantic Pacific mine	11	Bonanza group (Missoula Co.)	24
August-Gold Bug-Little Ben group	16	Borland, R.	19
Aune, Leif	20	Box, Fred	11
Aurora Metal Co.	25	Boyce, Stanley L.	8
		Brady, J. V.	2
B & H (Pete & Joe) group	11	Brazil Creek Bentonite Co.	25
Babbit mine	1	Brazil Creek pit	25
Badger No. 1 and No. 2 mines	11	Broadwater and Moulton mine	4
Ballou, Herb	10	Brooks, J. C.	18
Bar group	15	Brooks, J. C., and others	18
Barbara Ann mine	15	Brophy No. 2 mine	33
Barry Dean mine	16	Brown, Alan D.	3, 4
Basin quartz quarry	30	Browns quarry	27
Bauska, Jack	6	Bubany placer	21
Bauska, L. O.	6	Bubany, Tony	21
Bayles, Raymond G.	4	Buglar Creek mine	14
Bearpaw Development Co.	3	Bullion and Hope mine	8
Beartooth Coal Co.	33	Bullock, Delbert	7
Beaver, Raymond L.	9	Bullock, John	7
Beaverhead mine	31	Bumblebee mine	16
Bellview mine	15	Bunton, Jan	17
Belue, Travis	14	Burbon mine	14
Belus, Martin L.	1	Burchak, Alex J.	14
Beniger, F.	3	Burgierosa mine	1

Burlington Northern, Inc.	31	Cripe, Donald C., and others	18
Burnham, D. C., and others	5	Cripe, Marie	11
Burnham, Dean C.	5	Croff, G. A., and others	9
Burns, Larry	22	Croff and Montague	9
Burns, William L.	18	Cross mine	3
Buster mine	1	Crystal mine	7
Byam, Charles	7	Cullen, Bill	3
Byam, Frenett	7	Curlew mine	17
		Cyprus Industrial Minerals	31, 32
C & H Company	22		
Cableway group	11	Dale Bros.	12
Cadgie-Taylor Co.	6	Dalton, C. K.	10
Calico clay pit	26	Davidson, R.	17
Callantine, Oran	11	Deadman quarry	30
Calvert mine	20	deBarathy, Sidney A.	18
Cameron (Yellowstone) mine	32	Decker Coal Co.	33
Camp Robber placer	22	Detwiler Bros.	18
Canyon Creek quarry	29	DeValle, Claude	22
Cardwell pit	29	Diamond Hill mine	3
Carlson, Jack	33	Dirty Muzzler mine	11
Carlson, Victor	33	Divide Coal Mining Co.	33
Carter, C.	4	Divide mine	33
Carver, Herb	3	Dividend Lode mine	12
Casper, James A.	10	Dixon, Dorothy E.	17
Cazier, Boyd	8	Dixon, James R.	17
Cazier, V. R.	8	Doggett, L. W.	3
Champion Gold and Silver	9	Dolly Quartz (New Seattle) mine	7
Chaussee Sapphire Corp.	28	Dominic group	1
Chaussee, Wil	28	Don-A-Vera group	12
Clary, Emmett (Mrs.)	13	Donegan, Sylvan, Jr.	25
Clendennin group	9		
Cleve-Avon and Franklin mine	1	Eagle Black group	12
Clevish, Kenneth W.	28	Eagle Rock group	30
Clopton, Earl	11	Eagle Rock Mining Co., Inc.	30
Coal Creek mine	34	East Coeur d'Alene silver mine	14
Coal Creek Mining Co.	34	East Coeur d'Alene Silver Mines, Inc.	14
Coleman, Sam	22	East Decker mine	33
Colony open pits	25	East Pacific mine	3
Columbia mine	7	East Pacific Mining Co.	3
Comet group	1	East Ridge group	7
Cominco American, Inc.	28	Easton Pacific and Riverside Mining Corp.	12
Como Mining Co.	15	Easton-Pacific mine	12
Conklin, Richard (Mrs.)	22	Eddy Creek mine	18
Constellation deposit	32	Eiarman, Carwyn	10
Contact Mining Co.	6	Elander, Jay	15
Continental East pit	18	El Dorado Bar sapphire mine	29
Copper Cliff mine	15	Eldorado, Inc.	29
Copper Elk mine	5	Elk Creek mine	24
Copper group	15	Elkhorn Mining Co.	21
Copper Queen group	6	Elliston Consolidated group	16
Cordoba Corp.	20	Elliston Consolidated Mining Co.	16
Cottontail mine	14	Emma mine	19
Counts, Garland S.	15	Engh, Palmer	3
Counts, J. H.	15, 16		
Craig, H. C., and Co.	23	Fairview mine (Jefferson Co.)	8
Crescent mine	7	Fairview mine (Powell Co.)	17
Cripe, Donald C.	11	Farnsworth, R. B.	12

Fayram, B. Dale.....	10	Gopher Hole mine.....	18
Fayram Engineering Co., Ltd.....	10	Grace, W. R., and Co.....	32
Federal Reserve group.....	5	Grady, Robert.....	18
Finch, Tom.....	7	Grass Hopper claims No. 1.....	1
First National Bank, Helena.....	17	Grasshopper placer.....	21
First Trust Company of Montana, Great Falls.....	5	Gray Rock mine.....	10
Flathead Mines, Inc.....	6	Great Eastern mine.....	5
Flathead and West Flathead mine.....	6	Green Campbell mine.....	12
Florence group.....	8	Ground Hog mine.....	2
Florence and Queen mine.....	4		
Forbes, W. G.....	11, 32	Haab, Albert.....	8
Forkner, Jim.....	3	Hafer, C. W., Sr.....	32
Forkner, Lewella B.....	2	Hagman, William.....	9
Four Up group.....	18	Hahn, Ralph K.....	11
Four V's claim.....	29	Hamilton Mines, Inc.....	14
Fourth Estate mine.....	26	Hand mine.....	2
Fox, Roy.....	21	Hand, William M.....	2
Franklin and Cleve-Avon mine.....	1	Hard Cash mine.....	3
Free Enterprise Uranium-Radon mine.....	21	Hardmore mine.....	8
French Bar placer.....	21	Harris, David M.....	6
Frostbite deposit.....	24	Hatton, Clifford.....	17
		Hatton, Clifford, and others.....	17
Gage, Camila.....	12	Hayes, Clesson.....	31
Galli Exploration Co.....	9	Hayes, Cliff.....	26
Gardiner travertine quarry.....	31	Hayworth, Ross.....	10
Garrett, Eugene.....	7	Heaney, Ethel C.....	7
Geiger, Don J.....	16	Heath (Shoemaker) mine.....	26
General Constructors.....	27	Hecla group.....	2
General Electric Co.....	20	Heddleston group.....	10
General mine.....	10	Heidelberg mine.....	18
George, Richard K.....	14	Heidelberg Mining and Leasing Co.....	18
George, Richard K., and others.....	14	Helehan, Tom.....	19, 26
GeoResources, Inc.....	2	Highland mine.....	17
Geo-Surveys Gold, Ltd.....	5	Highland Trust.....	13
Gildersleeve, Fern.....	24	Hildebrand, Edward, and others.....	8
Gildersleeve, G. M.....	14	Hill, Jim.....	8, 26
Gildersleeve, George.....	22, 24	Hoekema, Roy.....	2
Gilliam vermiculite deposit.....	32	Hoffman, Larry.....	8
Giulio, Harold J.....	9	Holand, Donald G.....	12
Glasgow works.....	25	Holliday, R.....	12
Gleason, R., Sr.....	4	Holmes, Don.....	3, 4
Glengarry (White) claims.....	15	Holter Estate.....	7, 17
Glittering Hill mine.....	6	Hope and Bullion mine.....	8
Gluck, George S.....	1	Hope group (Granite Co.).....	6
Gold Bar, Inc.....	12	Hope group (Park Co.).....	16
Gold Bar mine.....	12	Hopkins, J. F., Estate.....	17
Gold Bug-Little Ben-August group.....	16	Hopkins, Ralph.....	17
Gold Bug Mine, Inc.....	14	Horton, Chester G., Jr.....	12
Gold Ranch, Inc.....	11	Huckaba, Ralph.....	7, 8, 9, 16
Gold Reserve Corp.....	16	Humboldt mine.....	8
Goldbug (Tawney) mine.....	14	Humdinger group.....	10
Golden Assets mine.....	8		
Golden Curry (Sourdough) mine.....	8	Ida A. placer.....	22
Golden Jubilee Corp.....	6	Ideal Basic Industries—Cement Div.....	27
Golden Jubilee mine.....	6	Illini mine.....	10
Golden Sunlight group.....	8	Independent mine.....	10
Golden Wave and Bessie mine.....	11		

Industrial Chemical Div., Stauffer Chemical Co.....	29	Leber Mining Co.....	7, 8
Ingersol group.....	2	Lenling, Lawrence, and others.....	5
Inspiration Consolidated Copper Co.....	6	Levine Enterprises.....	1
Ivanhoe group.....	6	Levine, Julius.....	1
Ivanhoe Mining Co.....	6	Lewis, John.....	21
		Lewis, Wade V., Estate.....	9
		Lewistown pit.....	26
Jack Rabbit mine.....	12	Liberty mine.....	9
Jackson, R. P.....	24	Linda Kay mine.....	16
Janney Construction Co., Inc.....	31	Linda mine.....	3
Jaquette, Frank.....	31	Lindbom, Waino.....	6
Jefferson Creek placer.....	23	Lindner, E.....	4
Jenkins, Clayton.....	1	Lindquist, Lester.....	8, 9
Jenkins, Don L.....	3	Little Anaconda group.....	14
Jenlo mines.....	15	Little Ben-Gold Bug-August group.....	16
Jenlo Mining Co.....	15	Lively's, Inc.....	19
Jo Dandy mine.....	3	Livingston marble and granite quarry.....	31
Jolly Roger mine.....	10	Livingston Marble and Granite Works.....	31
Jones, D. L.....	17	Lofftus, Dan.....	17
Judith Gold Corp.....	5	Long Construction.....	34
		Lord, Nettie.....	5
K & K mine.....	14	Lost Cause mine.....	11
Kady Gulch group.....	8	Lost Creek mine.....	20
Kaiser Cement.....	28	Lovell Clay Products Co.....	26
Kaiser Cement & Gypsum Corp.....	28	Lucky Dollar mine.....	14
Kannegaard, Charles L.....	15	Lucky Jim Beam group mine.....	24
Kanta pit.....	29	Lucky Linda mine.....	10
Kanta Products, Inc.....	29	Lucky Strike mine (Beaverhead Co.).....	2
Katches, A. J.....	13	Lucky Strike mine (Madison Co.).....	12
Katches, A. J., and others.....	12, 13	Lycoming mine.....	6
Kelley mine.....	19	Lykins, Betty.....	1
Kendall mine.....	5		
Kenelty mine.....	24	M & C claims.....	30
Kent, Kenneth B.....	11	MacCalman, R. J.....	7
Kester, A.....	15	MacPherson, K. W. (Mrs.).....	7
King, Hugh G.....	14	Madison, Fred K..... (Mrs.)	8
Knife River Coal Mining Co.....	34	Madison Minerals Corp.....	32
Kokoruda, C.....	3	Maehl, Grace.....	7
Koski, Wayne.....	14	Maehl, James E.....	7
Kountz, Joe, Estate.....	7	Maged Bros.....	33
Kruger, Marion R. (Mrs.).....	18	Magnetite group.....	16
Kruse, Howard.....	13	Magnus, John.....	13
Kuhnhausen, C. L.....	5	Malcolm, Andrew.....	23
		Maloney, Sam.....	31
Lamplighter group.....	2	Marklund, Alex.....	10
Landusky Mining Co.....	16	Maronick Construction Co., Inc.....	28
Lane, Charles and others.....	6	Maronick, E. P.....	28
Langstaff, George.....	1	Martin, Ronald I.....	30
Langstaff, Kenneth.....	3	Martin's Peat, Inc.....	30
Last Chance group (Beaverhead Co.).....	2	Maycumber, Guy E.....	10
Last Chance mine (Beaverhead Co.).....	20	Mayday mine.....	2
Last Chance mine (Silver Bow Co.).....	19	McBride, G. V. R. (Mrs.).....	10
Laura Apex group.....	18	McBride, Gwen, and others.....	9
Lawrence, John C.....	1	McCabe, Mary L. (Mrs.).....	6
Layton, Dorothy M.....	13	McClellan quarry.....	28
Layton, John A.....	13	McCune, Lawrence.....	13
L.C.L., Inc.....	17	McEachern, Daniel.....	9

McGinley, Morton.....	13	Nancy Lee mine.....	15
McLaughlin, Dan.....	6	Nancy Lee Mines, Inc.....	15
McLaughlin, Jim.....	12	National Minerals.....	2
McMaster, James.....	21	National Minerals and Argee Corp.....	32
McQuarrie quarry.....	31	Negros mine.....	17
McVede, Glenn.....	5	Nellie Bly group.....	12
McVede, William.....	5	Nevin, Barbara.....	26
Meadow Creek placer.....	22	Nevin, Robert C.....	26
Meadow mine.....	8	New Bald Eagle mine.....	8
Melroe, Clifford E.....	12	New Morning mine.....	9
Metesh, Joe.....	6	New Seattle (Dolly Quartz) mine.....	7
Mickey mine.....	7	New Valley Forge mine.....	10
Midnite Mines, Inc.....	2	Newman, Dave R.....	16
Miller, Mary Ann.....	4	Nicolls, Roy E.....	4
Mine-X, Inc.....	32	Nolte, Robert.....	25
Minnick, Charles.....	15	Nordwick, Ronald L.....	8, 9
Minnick, Ray.....	15	North Pole mine.....	17
Mo, Hans.....	10	North Sunlight group.....	9
Mohawk mine.....	16	Nott, Earl.....	15
Molly 1, 2, 3, 4, and 5 mine.....	20	Nugget mine.....	15
Moly Tung, Inc.....	20	Nugget Mining Co.....	15
Monarch Co., The.....	4	No. 4 mine.....	5
Monarch mine.....	17	Nygren, Nels.....	2, 3
Monarch Minerals, Inc.....	17	Nygren, Rudy.....	2, 3, 27
Monk, Austin.....	18	Nyquest, Theodore.....	21
Montague & Croff.....	9	Old Summit (Summit) and Blackhawk mine.....	4
Montana Barite Co.....	24	P. M. Coal Mining Co.....	33
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Montana mine.....	16	Pacific Mines, Inc.....	13
Montana, State of.....	29	Pacific Silica Co.....	30
Montana Western Mining Co.....	16	Paige, B. G.....	7
Monte Christo mine.....	10	Parnell group mine.....	7
Montgomery and San Miguel mine.....	10	Payday group.....	9
Montro gold mines.....	18	Peabody Coal Co.....	34
Moonlight mine.....	19	Peabody mine.....	19
Morbeck, Frank A.....	15	Pearl group.....	12
Morning Star mine.....	12	Peggy Ann mine.....	11
Morrison-Knudsen Co., Inc.....	33	Peggy Ann Mines, Inc.....	11
Morse, H. E.....	1	Pentecost, T. A.....	5
Mortensen, Audrey.....	13	Pentecost, T. A., and others.....	5
Mortensen, Steve.....	13	Pete & Joe (B & H) group.....	11
Motley, Dean.....	17	Peterson, Albert Byron.....	22
Mouat mine.....	19	Peterson, Alfred.....	16
Moulton and Broadwater mine.....	4	Peterson, D. D., and Associates.....	16
Mountain Flower mine.....	12	Peterson, James (Dr.).....	29
Mountain Queen mine.....	8	Peterson, R. E.....	15
Mountain View mine.....	4	Peuse, Gordon.....	33
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Mueller mine.....	12	Pfizer, Inc.....	31
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Myranda claim.....	5	Placer fire clay pit.....	25
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Quadrant Ridge Mining Co.....	3, 4	St. Louis mine.....	4
Quartz Hill group.....	2	Sam Bear Gold Co.....	12
Quartz Hill Mining Co.....	2	San Francisco mine.....	7
Queen and Florence mine.....	4	San Miguel and Montgomery mine.....	10
Queen mine.....	7	Santa Anita mine.....	4
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Raven mine.....	18	Sata Maira Rainbow group.....	2
Raven Mining Co.....	18	Saturn Exploration and Mining Co.....	28
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Red Ore Development.....	5	Scalded Cat mine.....	13
Red Pine Exploration & Development Co., Ltd.....	13	Scheitlin, Ed.....	13
Red Pine mine.....	13	Schneider, Goldie.....	31
Regal mine and plant.....	31	Scholz, H. A.....	16
Reichel, A. E.....	21	Schreiner, Warren.....	4
Reid, Harold.....	2	Semsak, Arthur.....	2
Relyea, George.....	28	Setter mine.....	10
Relyea mine.....	28	Setter Mining Co.....	10
Republic mine (Fergus Co.).....	5	Sheep Mountain mine.....	5
Republic mines (Park Co.).....	16	Shepherd, R. M.....	24
Resource Processors, Inc.....	32	Sheridan, Robert E., Jr.....	14
Rex Land Co.....	2	Shermont Mining Co.....	13
Reynolds, P. J.....	22	Shoemaker (Heath) mine.....	26
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Rhoades mine.....	9	Short Shift mine.....	13
Richert, H. C.....	14	Sid claim.....	18
Richert, Paul H.....	14	Silver Dike group.....	4
Rich-Mich placer.....	22	Silver Dyke mine.....	4
Riley, Sam.....	6	Silver King mine.....	7
Rivers Creek mine.....	15	Silver Queen Exploration Ltd.....	2
Riverside Mining Corp.....	12	Silver Queen mine.....	2
Roberts, Art.....	4	Skookum placer.....	21
Robertson, Richard.....	7	Sky mine.....	11
Robertson & Wendt Mining Co.....	7	Skyline mine.....	30
Robin L. placer.....	22	Slim Sam group.....	4
Rochester Enterprises.....	13, 20	Smith, Clarke J.....	16, 17
Rogers, R. H.....	12	Smith, Vernon.....	9, 16
Romerio, A. K. (Mrs.).....	8	Snow, Harold.....	25
Romerio Co.....	8	Solar silver mine.....	9
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Back Pocket
**Sheet 1—Map showing distribution of mining districts and
strippable coal fields in Montana.**

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