

STATE OF MONTANA

Thomas L. Judge, *Governor*

BULLETIN 88

BUREAU OF MINES AND GEOLOGY

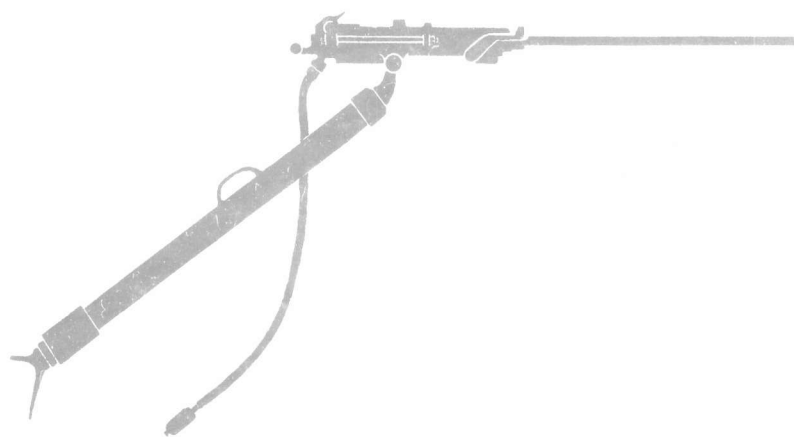
April 1973

S. L. Groff, *Director*

DIRECTORY OF MINING ENTERPRISES FOR 1972

with a
LIST OF COAL MINES, 1972

and a section on
THE MINERAL INDUSTRY OF MONTANA IN 1972



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LIST OF COAL MINES, 1972

Compiled by

Don C. Lawson
Montana Bureau of Mines and Geology

and a section on

THE MINERAL INDUSTRY OF MONTANA IN 1972

by

Division of Nonferrous Metals
U.S. Department of the Interior, Bureau of Mines

This bulletin has been prepared with the cooperation of Max Salazar,
State Mine Inspector



MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY
Butte, Montana 59701
1973

DIRECTORY OF MINING ENTERPRISES

FOR 1972

by

Don C. Lawson

INTRODUCTION

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 kind 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 in-

active for a period of three consecutive years are dropped entirely from the Directory.

The rest of the Directory contains a list of Montana coal mines active in 1972 and a report entitled "The Mineral Industry of Montana in 1972," by the Nonferrous Metals Division, Bureau of Mines, U.S. Department of the Interior, Washington, D.C. This report is shorter than in past years because of the reorganization within the U.S. Bureau of Mines.

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.

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 as up to date and accurate as possible.

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

PART 1, METAL MINES**ANTIMONY MINES****LINCOLN COUNTY: Libby 59923****WHITE PINE CLAIM** Antimony, molybdenum

Troy district

Owner-Operator: Richard Fifield

Box 432, Troy, MT 59935

Status: Inactive

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: 15

Mill capacity: 300 t/d and refinery

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

***ARGENTA PORPHYRY GROUP** Copper, gold,

silver, molybdenum

Argenta dist., sec. 3, 4, 5, 6, T. 7 S., R. 10 W.; sec. 7, 8,

17, 18, 19, 20, 28, 29, T. 6 S., R. 10 W.; sec. 12,

13, T. 6 S., R. 11 W.

Owner: Western Mining and Exploration Co. and
others

P. O. Box 1298, Dillon, MT 59725

Status: Inactive

*Open pit

BLUE EYED ANNIE MINE Silver

Elkhorn dist., unsurveyed, T. 4 S., R. 12 W.

Owner: John Miller

Polaris, MT 59746

Status: Inactive

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

Status: Developing

BUSTER MINE Silver, gold, lead, copper, zinc

Sec. 17, 18, 19, 20, T. 5 S., R. 10 W.

Owner-Operator: George Langstaff

Argenta Star Rt., Box 2, Dillon, MT 59725

Employees: 2

Status: Producing

BEAVERHEAD COUNTY—Continued**CARBONATE MINE** Gold, silver, lead

Argenta dist., NE¼ SW¼ sec. 18, T. 6 S., R. 10 W.

Owner: Western Mining and Exploration Co.

P. O. Box 1298, Dillon, MT 59725

Status: Inactive

CLEVE-AVON and FRANKLIN MINE Gold, silver

Bryant (Hecla) dist., sec. 2, T. 3 S., R. 11 W.

Owner-Operator: Lively's Inc.

Melrose, MT 59743

Status: Inactive

COOLIDGE MINE Silver, gold, lead

Argenta dist., NW¼ SW¼ sec. 18, T. 6 S., R. 10 W.

Owner: Western Mining and Exploration Co.

P. O. Box 1298, Dillon, MT 59725

Status: Inactive

COMET GROUP Gold, silver, lead

Elkhorn dist., sec. 26, T. 4 S., R. 12 W.

Owner-Operator: Blue Sky Mining Corp.

Dillon, MT 59725

Employees: 2

Status: Inactive

COTTONTAIL MINE Silver, copper, lead

Blue Wing dist., sec. 28, 33, T. 7 S., R. 11 W.

Owner-Operator: Spokane National Mines, Inc.

424 Hutton Bldg., Spokane, WA 99204

Employees: 6

Status: Producing, developing

GOLDSMITH MINE Gold, silver, lead, zinc

Argenta dist., NW¼ NE¼ sec. 30, T. 6 S., R. 10 W.

Operator: Argenta Silver Development Co.

Dillon, MT 59725

Owner: Goldsmith Mining Corp.

Bannack Star Route, Dillon, MT 59725

Status: Developing

GOODVIEW MINE Silver, gold, lead

Argenta dist., SW¼ SW¼ sec. 18, T. 6 S., R. 10 W.

Owner: Western Mining and Exploration Co.

P. O. Box 1298, Dillon, MT 59725

Status: Inactive

GRASS HOPPER CLAIMS Gold, silver, lead

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

Owner-Operator: M. L. Belus and E. W. Hart

35021 W. V.H., Algona, WA 98002

Status: Developing

***GREEN LIZARD MINE** Silver

Vipond Park dist., sec. 2, T. 2 S., R. 11 W.

Operator: Silver Valley Mining Co., Salt Lake City, UT

c/o Lloyd Wilhelm, Melrose, MT 59743

Owner: Omer H. Boeh

2121 Locust St., Butte, MT 59701

Status: Produced

GROUND HOG MINE Gold, silver, lead

Argenta dist., SE¼ SE¼ sec. 18, T. 6 S., R. 10 W.

Owner: Western Mining and Exploration Co.

P. O. Box 1298, Dillon, MT 59725

Status: Inactive

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: John Hand Estate, W. M. Hand, Executor

30 S. Arizona, Dillon, MT 59725

Employees: 6

Status: Tourism

HECLA GROUP Gold, silver

Bryant (Hecla) dist., sec. 2, T. 3 S., R. 11 W.

Operator: Goodson Mining Co., Levine Enterprises

1041 McKeever Ave., Hayward, CA 94541

Status: Developing

***HORN SILVER MINE** Silver

Argenta dist., sec. 18, 19, T. 6 S., R. 10 W.

Operator: Kenneth Langstaff

Dillon, MT 59725

Owner: Big West Resources

905 E. Third, Spokane, WA 99202

Status: Inactive

***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 216, Route 2, Sultan, WA 98294

Status: Developing

LEADVILLE MINE Silver, lead

Vipond Park dist., sec. 34, T. 1 S., R. 11 W.

Owner-Operator: Arthur Semsak

Box 216, Route 2, Sultan, WA 98294

Status: Developing

*Open pit

BEAVERHEAD COUNTY—Continued

- **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: Developing
- *MAIDEN CREEK COPPER MINE** Copper
Chinatown dist., sec. 23, T. 11 S., R. 13 W.
Owner-Operator: Chester A. Given
Box 44-C, Route 1, Arco, ID 83213
Status: Developing
- NEW DEPARTURE MINE** Gold, silver, lead, zinc
Blue Wing dist., NW¼ NW¼ sec. 26, T. 7 S., R. 11 W.
Owner-Operator: Spokane National Mines, Inc.
424 Hutton Bldg., Spokane, WA 99204
Status: Producing, developing
- **POLARIS MINE** Silver
Polaris (Lost Cloud) dist., sec. 28, T. 5 S., R. 12 W.
Operator: Midnite Mines, Inc.
N. 711 Lincoln, Spokane, WA 99201
Owner: Milton E. Hayes
Dillon, MT 59725
Status: Inactive
- QUARTZ HILL GROUP** Silver
Quartz Hill dist., sec. 25, T. 1 S., R. 11 W.
Operator: New Park Mining Co.
c/o Leonard Garrand, Divide, MT 59727
Owner: Quartz Hill Mining Co.
Box 2902, Portland, OR 97208
Status: Inactive
- RENA MINE** Gold, silver, lead
Argenta dist., SW¼ NW¼ sec. 18, T. 6 S., R. 10 W.
Owner: Western Mining and Exploration Co.
P. O. Box 1298, Dillon, MT 59725
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
2040 Carolina Ave., Butte, MT 59701
Status: Developing

SILVER QUEEN MINE Silver
Jake Canyon dist., sec. 17, T. 10 S., R. 7 W.
Operator: Silver Queen Exploration Ltd.
2114 Curtis St., Denver, CO 80205
Owner: Silver Queen Exploration Ltd.
Dillon, MT 59725
Employees: 3
Status: Developing

TENDER GROUP Gold, silver, copper, lead, zinc,
antimony
Argenta dist., sec. 24, T. 6 S., R. 11 W.
Owner-Operator: Claude H. Brown
Box 94, Dillon, MT 59725
Status: Producing, developing

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

***WEST ERMONT MINE** Gold, silver, lead
Argenta dist., sec. 35, T. 6 S., R. 11 W.
Owner-Operator: Big West Resources
905 E. Third, Spokane, WA 99202
Status: Produced

YELLOW BAND (SHAFER) GROUP Gold, silver
Argenta dist., SE¼ SE¼ sec. 2, T. 6 S., R. 11 W.
Operator: John Shafer
205 W. Center, Dillon, MT 59725
Owner: John Shafer and Associates
Dillon, MT 59725
Status: Inactive

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., 1639 - 5th Ave. NW, Great Falls, MT 59401
Employees: 2
Status: Developing

*Open pit; **Open pit and underground

BROADWATER COUNTY: Townsend 59644

ARGO, REX, COPPER QUEEN GROUP Copper
 Hellgate and Avalanche dist., sec. 23, 26, 27, 36,
 T. 11 N., R. 1 E.
 Operator: Vincent Cope
 Box 857, Helena, MT 59601
 Owner: Mary Ann Manger and Vincent Cope
 Box 857, Helena, MT 59601
 Status: Inactive

BLUEBIRD GROUP Copper, silver, gold, lead, zinc
 Hassel dist., sec. 1, T. 6 N., R. 1 E.; sec. 32, T. 7 N.,
 R. 1 W.
 Owner: Nila Tyrrel
 548 Stadler, Helena, MT 59601
 Status: Developing

BONANZA MINE Silver, lead
 Radersburg dist., sec. 19, T. 6 N., R. 1 W.
 Operator: John Byrd
 York Route, Helena, MT 59601
 Owner: George Porte
 528 Dearborn, Helena, MT 59601
 Status: Inactive

JANUARY MINE Silver, lead
 Winston dist., sec. 26, T. 8 N., R. 1 W.
 Owner-Operator: January Mining Co.
 Box 877, Helena, MT 59601
 Status: Inactive

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

LOOMIS MINE Gold, silver, copper
 Townsend dist., sec. 7, 8, 16, 18, T. 6 N., R. 1 W.
 Owner-Operator: Robert Loomis
 Cleo Springs, OK 73729
 Status: Developing

MANGER GROUP Copper
 Hellgate and Avalanche dist., sec. 23, 26, 27, T. 11 N.,
 R. 1 E.
 Owner-Operator: Mary Ann Manger
 Box 130, Townsend, MT 59644
 Status: Inactive

***MOUNTAIN VIEW MINE** Gold, silver, lead
 Winston dist., T. 8 N., R. 1 W.
 Owner-Operator: R. Gleason
 Winston, MT 59647
 Status: Developing

PAYMASTER MINE Gold
 Baker dist., NE¼ sec. 13, T. 10 N., R. 2 E.
 Operator: Edward A. Johnson
 3234 S. Montana, Butte, MT 59701
 Owner: Mrs. Reba Hampton
 431 Capitol Hill, Reno, NV 89500
 Status: Inactive

PIONEER MINE Silver
 Indian Creek dist., sec. 35, T. 7 N., R. 1 W.
 Owner-Operator: Bill Lowery
 Box 93, Townsend, MT 59644
 Status: Inactive

RUBY SILVER MINE Silver, copper, lead, zinc
 Radersburg dist., sec. 33, T. 5 N., R. 1 W.
 Owner-Operator: W. R. Wade
 Marysville, MT 59640
 Status: Developing, producing

SANTA ANITA MINE Gold, silver, lead, zinc
 Cedar Plains dist., sec. 28, 35, 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

***SCHREINER MINE** Copper
 Sec. 25, 26, T. 3 N., R. 1 E.
 Operator: Solar Enterprises
 W. 222 Mission, Spokane, WA 99201
 Owner: Carl C. Schreiner
 W. 222 Mission, Spokane, WA 99201
 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
 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

*Open pit

CASCADE COUNTY: Great Falls 59401

FLORENCE MINE Silver, lead, zinc
 Neihart dist., sec. 29, 30, 31, 32, T. 14 N., R. 8 E.
 Owner-Operator: Carroll R. Bennett
 Box 2267, Great Falls, MT 59401
 Status: Developing

LEXINGTON MINE Gold, silver, lead
 Montana dist., sec. 28, T. 14 N., R. 8 E.
 Owner-Operator: Lexington Silver-Lead Mining Co.
 621 Columbia Bldg., Spokane, WA 99204
 Status: Inactive

MORNING STAR MINE Gold, silver, lead, zinc
 Neihart (Montana) dist., sec. 29, T. 14 N., R. 8 E.
 Owner-Operator: Lewis B. Stark
 Box 64, Neihart, MT 59465
 Status: Inactive

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 Sons
 1001 W. Gold, Butte, MT 59701
 Employees: 5
 Status: Developing

****PONDEROSA MINE** Silver, copper, lead, zinc
 Neihart dist., sec. 15, T. 14 N., R. 8 E.
 Operator: James M. Morgan
 Box 653, Billings, MT 59101
 Owner: Montana Mining and Development Co.
 Box 653, Billings, MT 59101
 Employees: 5
 Status: Developing

***SILVER DYKE MINE** Silver, lead, zinc
 Neihart dist., sec. 10, T. 14 N., R. 8 E.
 Owner-Operator: Peter J. Antonioli and Sons
 1001 W. Gold, Butte, MT 59701
 Status: Inactive

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

ALTURAS MINE Gold, silver
 T. 5 N., R. 13 W.
 Operator: Lee Wattula
 Philipsburg, MT 59858
 Status: Produced

APEX MINE Gold
 Georgetown dist., sec. 4, T. 5 S., R. 13 W.
 Owner: Albert Sletton and Dan Sletton
 2905 Cable Rd., Anaconda, MT 59711
 Status: Inactive

CHAMPION SILVER MINE Gold, silver
 Oro Fino dist., sec. 28, 33, T. 6 N., R. 8 W.
 Operator: Champion Silver Mining Co.
 411 Metals Bank Bldg., Butte, MT 59701
 Owner: The Anaconda Co.
 Butte, MT 59701
 Status: Inactive

COTTONWOOD MINE Silver
 Oro Fino dist., sec. 8, T. 5 N., R. 8 W.
 Operator: Forest Berglund
 Box 231, Lincoln, MT 59639
 Owner: Cottonwood Silver Mining Co.
 Great Falls, MT 59401
 Status: Developing

****GREAT EASTERN MINE** Silver, copper, zinc
 Lost Creek dist., sec. 9, 10, 34, T. 5 N., R. 11 W.
 Owner-Operator: C. L. Bergloff, 6082 Florence,
 Riverside, CA 92504, and Lyman Thayer,
 Route 1, Box 269-AJ, Anaconda, MT 59711
 Status: Developing

MINNEHAHA and HORSESHOE GROUP Gold, silver
 Georgetown dist., sec. 9, T. 5 N., R. 13 W.
 Owner-Operator: William J. Dean and Son
 1460 Ponderosa, Idaho Falls, ID 83401
 Employees: 1
 Status: Developing

DEER LODGE COUNTY—Continued

SILVER MOSS MINE Gold, silver
Silver Lake dist., T. 5 N., R. 13 W.
Operator: Allen Loobey
Philipsburg, MT 59858
Status: Inactive

SILVER REEF MINE Gold, silver
Silver Lake dist., sec. 22, T. 5 N., R. 13 W.
Owner-Operator: W. C. Montgomery
1818 W. Park, Anaconda, MT 59711
Status: Produced

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 Route, Lewistown, MT 59457
Status: Developing

REPUBLIC MINE Silver, lead, zinc
South Moccasin dist., sec. 23, T. 16 N., R. 17 E.
Owner-Operator: C. L. Kuhnhausen
4906 NE 60th St., Vancouver, WA 98661
Status: Inactive

****FEDERAL RESERVE GROUP** Silver, lead, gold
South Moccasin dist., sec. 35, T. 17 N., R. 17 E.
Operator: Dean C. Burnham
Route 3, Lewistown, MT 59457
Owner: D. C. Burnham and others
Route 3, 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
Employees: 3
Status: Developing

***MYRANDA CLAIM** Gold, silver, lead
Warm Springs dist., sec. 8, T. 16 N., R. 20 E.
Operator: L. A. Sandman
Box 189, Lewistown, MT 59457
Owner: L. A. Sandman and others
Box 189, 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 Company of Montana, Trustee
Great Falls, MT 59401
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 St., Lewistown, MT 59457
Owner: T. A. Pentecost and others
204 E. Washington St., Lewistown, MT 59457
Status: Developing

FLATHEAD COUNTY: Kalispell 59901

****BLUE GROUSE GROUP** Gold, silver, copper, bismuth
Haskell Pass dist., sec. 14, T. 28 N., R. 25 W.
Operator: Glen Bauska
Rural Route 3, Kalispell, MT 59901
Owner: Glen Bauska and others
Rural Route 3, 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.
1545½ - 7th Ave. W., Kalispell, MT 59901
Owner: The Anaconda Co.
Butte, MT 59701
Employees: 9
Status: Producing, developing

*Open pit; **Open pit and underground

GALLATIN COUNTY: Bozeman 59715***SUNSHINE MINE Lead**

Hyalite dist., sec. 31, T. 3 S., R. 6 E.

Owner: Ernest Wehren

407 N. Church, Bozeman, MT 59715

Status: Inactive

GRANITE COUNTY: Philipsburg 59858***BLACK PINE TAILINGS Gold, silver, silica**

Black Pine dist., sec. 16, T. 8 N., R. 14 W.

Operator: Ben Walkup

Philipsburg, MT 59858

Owner: August Buschmann Estate

Seattle, WA 98100

Status: Produced

GOLD KING MINE Gold

Maxville dist., sec. 35, T. 8 N., R. 13 W.

Operator: H. B. Kaiser

Box 272, Philipsburg, MT 59858

Owner: Kaiser Bros.

Philipsburg, MT 59858

Status: Inactive

BLUE BIRD MINE Gold, silver, copper

Rose Mountain dist., sec. 26, T. 8 N., R. 12 W.

Owner-Operator: Ben Walkup

Philipsburg, MT 59858

Status: Developing

GRANITE TAILINGS Silver

Philipsburg dist., sec. 31, T. 7 N., R. 13 W.

Operator: Joe Metesh

Philipsburg, MT 59858

Owner: Frank Antonioli

724 S. Western, Butte, MT 59701

Status: Inactive

****BROOKLYN and D.G. MINE Silver, copper, lead, zinc, bismuth**

Boulder Creek dist., SW¼ NE¼ sec. 4, 5, T. 7 N., R. 12 W.

Owner-Operator: Black and White Mining Co.

c/o R. F. Little, 4207 - 21st Ave., Missoula, MT 59801

Status: Produced, developing

****HATTA and MAGNET MINES Silver, lead, zinc**

Dunkleberg dist., sec. 14, T. 9 N., R. 12 W.

Owner-Operator: L. W. Lehwalder

Missoula, MT 59801

Status: Developing

CADGIE and TAYLOR LEASE Gold, silver, copper, lead, zinc

Flint Creek dist., SW¼ NE¼ sec. 19, T. 7 N., R. 13 W.

Operator: James W. Young

Box 342, Philipsburg, MT 59858

Status: Produced

HOLLY NO. 1 MINE Gold, silver, copper

Dunkleberg dist., sec. 15, T. 9 N., R. 12 W.

Owner-Operator: Larry A. McLane

212 Washington, Anaconda, MT 59711

Status: Inactive

***COMANCHE EXTENSION MINE (6788) Silver**

Flint Creek dist., sec. 19, T. 7 N., R. 13 W.

Operator: James W. Young

Box 342, Philipsburg, MT 59858

Owner: William F. Flynn

Anaconda, MT 59711

Status: Produced

LITTLE EMMA MINE Silver

Flint Creek dist., sec. 19, T. 7 N., R. 13 W.

Owner-Operator: James W. Young

Box 342, Philipsburg, MT 59858

Status: Produced

GLITTERING HILL MINE Gold

Red Lion dist.

Owner-Operator: Mrs. Mary L. McCabe

2010 Haggin Ave., Anaconda, MT 59711

Status: Inactive

LYCOMING MINE Gold, silver, lead

Philipsburg dist., sec. 17, T. 7 N., R. 13 W.

Operator: Joe Metesh

Philipsburg, MT 59858

Status: Produced

* Open pit; ** Open pit and underground

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

****MOONLIGHT MINE** Gold, silver, copper, lead

Princeton dist., T. 8 N., R. 12 W.

Owner-Operator: John C. Bork

519 W. Porphyry, Butte, MT 59701

Status: Developing

MOOSE TRAIL MINE Gold, silver

Moose Lake dist.

Operator: Gene Marker

Garrison, MT 59731

Status: Inactive

****NEW SEATTLE (DOLLY QUARTZ) MINE** Gold, silver

Maxville dist., sec. 4, T. 8 N., R. 13 W.

Operator: Dick Tunstill

Philipsburg, MT 59858

Owner: Grace Maehl

Maxville, MT 59850

Status: Inactive

PARNELL GROUP MINE Silver, copper, lead

Flint Creek dist., sec. 7, 8, T. 7 N., R. 13 W.

Owner-Operator: P. J. Heaney, Sr. and Ethel C. Heaney

Box 130, Philipsburg, MT 59858

Status: Inactive

****QUEEN MINE** Silver

Boulder dist., SW¼ 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

Employees: 2

Status: Developing

SARANAC MINE Gold, silver

Philipsburg dist., T. 8 N., R. 13 W.

Owner: Princeton Mining Co.

Maxville, MT 59850

Status: Inactive

SCRATCH AWL MINE Gold, silver, lead, zinc, copper

Flint Creek dist., sec. 29, T. 7 N., R. 13 W.

Operator: William Schneider

Philipsburg, MT 59858

Owner: Contact Mining Co.

724 S. Western, Butte, MT 59701

Status: Inactive

SILVER KING MINE Gold, silver

Rock Creek dist., sec. 5, T. 6 N., R. 15 W.

Owner-Operator: Charles Byam and Norman Byam

Philipsburg, MT 59858

Employees: 2

Status: Producing

TRUE FISSURE MINE Silver, lead, zinc

Flint Creek dist., W½ NW¼ sec. 29, T. 7 N., R. 13 W.

Owner-Operator: Taylor-Knapp Co.

Philipsburg, MT 59858

Mill capacity: 50 t/d

Status: Inactive

YOUNG AMERICA MINE Gold, silver

Philipsburg dist., T. 7 N., R. 13 W.

Operator: James R. Hunter

Philipsburg, MT 59858

Status: Inactive

JEFFERSON COUNTY: Boulder 59632***AQUARIUS MINE** Silver, lead, copper

Basin dist., sec. 13, T. 6 N., R. 6 W.

Owner-Operator: Richard Robertson

P. O. Box 563, Boulder, MT 59632

Status: Developing

***BULLION MINE** Gold, silver, lead, zinc

Cataract dist., sec. 13, T. 7 N., R. 6 W.

Operator: D. M. Bullock

Basin, MT 59631

Status: Inactive

*Open pit; **Open pit and underground

JEFFERSON COUNTY—Continued**CARLA, PAULINE and FAITH GROUP**

Lowlands dist., sec. 3, T. 5 N., R. 7 W.

Owner-Operator: Josephine A. Favero

2701 Sherman, Butte, MT 59701

Status: Developing

CRESCENT MINE Gold, silver, copper, lead

Cataract (Basin) dist., sec. 28, T. 8 N., R. 5 W.

Operator: William A. "Bill" Hall

Box 295, Helena, MT 59601

Owner: Holter Estate

Helena, MT 59601

Status: Developing

***CRYSTAL MINE** Gold, silver, copper, lead

Cataract (Basin) dist., sec. 20, T. 7 N., R. 5 W.

Operator: Crystal Mines, Inc.

8 First National Bank Bldg., Butte, MT 59701

Owner: Delbert Bullock

Basin, MT 59631

Status: Producing, developing

****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: 5

Status: Developing

***EASY MONEY GROUP** Gold, silver, copper, lead

Montana dist., sec. 14, 15, 23, 26, T. 9 N., R. 3 E.

Owner-Operator: Earl Lutzenhiser

2331 National Ave., Helena, MT 59601

Status: Inactive

EDELWEISS MINE Silver, lead, zinc

Wickes dist., sec. 1, 2, T. 7 N., R. 5 W.

Operator: Mascot Silver Lead Mines, Inc.

Box 660, Kellogg, ID 83837

Owner: Ivor Jenkins and others

Jefferson City, MT 59638

Status: Developing

ELKHORN MINE Silver, lead, zincElkhorn dist., sec. 9, 11, 14, 15, 16, 22, 27, 33, 34,
T. 6 N., R. 3 W.

Operator: Development Operating Corp.

1721 Mountain St., Pasadena, CA 91104

Owner: D. D. Walker and others

Butte, MT 59701

Status: Inactive

***GOLDEN ASSETS MINE** Gold, silver, copper, lead, zinc

Golconda dist., sec. 29, T. 7 N., R. 5 W.

Owner-Operator: Fred K. Madison

1608 Jackie Dr., Missoula, MT 59801

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

HOPE and BULLION MINE 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: Unknown

HUMBOLT MINE Gold, silver

Homestake dist., sec. 9, T. 3 N., R. 6 W.

Owner-Operator: Stanley L. Boyce

Route 1, Box 206, Butte, MT 59701

Status: Developing

JIB MINE Gold, silver, copper, lead

Basin-Cataract dist., sec. 18, T. 6 N., R. 5 W.

Owner: Sylvanite, Inc.

43 E. Broadway, Butte, MT 59701

Status: Inactive

****KADY GULCH GROUP** Gold, silver, copper, lead, zincColorado 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

Employees: 5

Status: Developing

KLONDYKE MINE Gold, silver

Elkhorn dist., sec. 11, T. 6 N., R. 3 W.

Operator: Klondyke Gold Mines, Inc.

Boulder, MT 59632

Owner: C. W. Schreiner and others

3011 Richardson, Butte, MT 59701

Status: Developing

LEADVILLE MINE Silver, lead, zinc

Leadville dist., sec. 36, T. 7 N., R. 8 W.

Operator: I. W. Stocks

1118 O'Neil, Deer Lodge, MT 59722

Status: Inactive

JEFFERSON COUNTY—Continued

***LIVERPOOL DUMP** Silver, lead
Clancy dist., sec. 33, T. 9 N., R. 3 W.
Operator: Liverpool Mining Co.
c/o Louis Peura, Clancy, MT 59634
Status: Inactive

MAY and LITTLE SALLIE MINE Gold, silver, copper,
lead, zinc
Colorado (Kady Gulch) dist., sec. 1, T. 7 N., R. 5 W.
Operator: John K. Saari
305 Clancy St., Helena, MT 59601
Owner: Paul Keller
Power Block, Helena, MT 59601
Status: Inactive

MEADOW MINE Silver, lead
Clancy dist., sec. 34, T. 9 N., R. 3 W.
Operator: Mascot Silver Lead Mines, Inc.
Box 544, Helena, MT 59601
Owner: Albert Haab
Clancy, MT 59634
Status: Developing

MOUNTAIN QUEEN MINE Silver, lead, zinc
Big Foot dist., sec. 27, T. 4 N., R. 5 W.
Owner-Operator: William Mulcahy
Box 631, Butte, MT 59701
Status: Developing

NELLIE GRANT MINE Gold, silver, lead, zinc
Clancy (Lump Gulch) dist., sec. 14, T. 8 N., R. 5 W.
Operator: Barmont Mines, Inc.
2624 Edwards St., Butte, MT 59701
Owner: C. E. Pew
Helena, MT 59601
Status: Inactive

***NEW BALD EAGLE MINE** Gold, silver
Big Foot dist., sec. 16, T. 4 N., R. 5 W.
Owner-Operator: William Mulcahy
Box 631, Butte, MT 59701
Employees: 2
Status: Developing

NEW MORNING MINE Silver
Little Boulder dist., sec. 8, T. 5 N., R. 4 W.
Owner-Operator: William Hagman
Box 339, Boulder, MT 59632
Status: Developing

NORTH SUNLIGHT GROUP Gold, silver, copper,
lead, zinc
Cardwell dist., T. 2 N., R. 3 W.
Owner-Operator: William G. Wegener
Box 144, Whitehall, MT 59759
Status: Developing

****PIERMONT NO. 1 EAST** 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

PILOT MINE Gold, silver, lead
Amazon dist., sec. 4, T. 6 N., R. 4 W.
Operator: Ed Kuebler
Boulder, MT 59632
Owner: Ed Kuebler and Kenneth W. Trettin
Boulder, MT 59632
Status: Produced, developing

***REDEMPTION MINE** Gold, silver, silica
Comet dist.
Operator: E. H. Battermann
Box 461, Basin, MT 59631
Owner: Poore, Poore & Poore
Butte, MT 59701
Status: Developing

RHOADES MINE Silver, gold
Lump Gulch dist., sec. 6, T. 8 N., R. 4 W.
Operator: James A. Rhoades
317 Broadway, Helena, MT 59601
Owner: James A. Rhoades and Daniel McEachron
317 Broadway, Helena, MT 59601
Status: Developing

ROBERT EMMETT MINE Copper, lead, zinc
Boulder dist., sec. 27, T. 7 N., R. 4 W.
Owner: Edwin R. Van Sickle
2615 N. Cooke, Helena, MT 59601
Status: Inactive

RUBY SILVER MINE Gold, silver
Lowland dist., sec. 2, 11, T. 5 N., R. 7 W.
Owner-Operator: Ruby Silver Mines, Inc.
101 W. Granite, Butte, MT 59701
Status: Inactive

SOUTH VIEW MINE Gold, silver, lead
St. Paul Gulch dist., SE¼ sec. 24, T. 2 N., R. 4 W.
Owner-Operator: Charles O. Weber
Box 235, Whitehall, MT 59759
Status: Developing

VERA and MARIE MINE Silver
Cataract dist., sec. 33, T. 7 N., R. 5 W.
Operator: W. K. Miller
Basin, MT 59631
Owner: Drew Jackson
3065 E. 4th St., Casper, WY 82601
Status: Inactive

JUDITH BASIN COUNTY: Stanford 59479

CAPE NOME MINE Silver, lead, zinc
 Barker dist., sec. 31, T. 16 N., R. 9 E.
 Owner-Operator: Frank Davis
 1109 First Ave. S., Great Falls, MT 59401
 Status: Inactive

LIBERTY MINE Silver, lead, zinc
 Barker dist., sec. 6, 7, 18, T. 15 N., R. 9 E.
 Operator: Anderson and Antonioli
 1001 W. Gold, Butte, MT 59701
 Owner: Faith Mining Co.
 Box 1681, Helena, MT 59601
 Status: Developing

MONTGOMERY and SAN MIGUEL MINE Gold,
 silver, copper, lead, zinc
 Barker dist., sec. 21, T. 15 N., R. 9 E.
 Owner-Operator: Mrs. G. V. R. McBride
 Monarch, MT 59463
 Status: Developing

SETTER MINE Silver, copper, lead
 Running Wolf dist., sec. 21, T. 14 N., R. 10 E.
 Operator: James A. Casper
 4 Aspen, Helena, MT 59601
 Owner: Setter Mining Co.
 4 Aspen, Helena, MT 59601
 Employees: 2
 Status: Developing

TIGER MINE Silver, lead
 Barker dist., sec. 5, 6, T. 15 N., R. 9 E.
 Operator: Croff and Montague
 Box 69, Monarch, MT 59463
 Owner: Clendennin Mines, Inc.
 c/o J. T. Nightengale, Boston, MA 02100
 Status: Developing

LEWIS AND CLARK COUNTY: Helena 59601

***ADELE MINE** Silver, copper, silica
 Unorganized dist., sec. 27, 28, 33, 34, T. 16 N., R. 7 W.
 Owner-Operator: Ross Hayworth
 Box 142, Lincoln, MT 59639, and
 Box 1584, Globe, AZ 85501
 Status: Produced

AMERICAN BOY (NORTH GOULD GROUP) MINE
 Gold, silver
 Stemple dist., sec. 10, 11, 14, 15, T. 13 N., R. 7 W.
 Owner-Operator: Glenn Allman
 Lincoln, MT 59639
 Status: Unknown

BLUE BIRD MINE Copper, iron, gold, silver
 Owyhee dist., T. 9 N., R. 4 W.
 Owner-Operator: Charles W. Kohl
 1764 Oro Fino Gulch Dr., Helena, MT 59601
 Status: Developing

BOBBY BOY MINE Lead, copper
 Heddleston dist., SE¼ sec. 19, T. 15 N., R. 6 W.
 Owner-Operator: Clifford V. and Joyce M. Cox
 224 E. Pacific, East Helena, MT 59635
 Status: Developing

****COPPER BOWL MINE** Copper
 Heddleston dist., sec. 30, T. 16 N., R. 6 W.
 Owner-Operator: Clarence J. Erickson
 Route 1, Box 6831, Hilma Dr., Helena, MT 59601
 Status: Developing

EVENING STAR MINE Gold, silver
 Nevada dist.
 Owner-Operator: Ray N. Peterson and others
 98 Post St., San Francisco, CA 94104
 Status: Inactive

FRANKLIN MINE Gold, silver, copper, lead
 Tenmile (Scratch Gravel) dist., sec. 11, T. 10 N.,
 R. 4 W.
 Operator: Helena Minerals Co., Inc., c/o Chester
 Leirness, 1900 - 11th Ave., Helena, MT 59601
 Owner: Thomas Cruse Mining & Development Co.
 c/o Fergus Fay, 446 W. Lawrence, Helena, MT 59601
 Status: Inactive

***FRISBEE STEMPLE GROUP** Copper, gold, silver, lead,
 zinc, nickel
 Stemple dist., sec. 10, T. 13 N., R. 7 W.
 Owner-Operator: Clarence Frisbee
 RFD, Lincoln, MT 59639
 Status: Developing

*Open pit; **Open pit and underground

LEWIS AND CLARK COUNTY—Continued

***GRAY ROCK MINE** Gold, copper, zinc
Owyhee-Oro Fino dist., sec. 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
735 N. Montana Ave., Helena, MT 59601
Employees: 3
Status: Produced, developing

****ILLINI MINE** Gold
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
Owyhee-Oro Fino dist., sec. 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
735 N. Montana Ave., Helena, MT 59601
Employees: 3
Status: Produced, developing

LINCOLN VIEW MINE Gold, copper
Lincoln dist., sec. 24, T. 13 N., R. 9 W.
Owner-Operator: Robert N. Stanton
Box 214, Avon, MT 59713
Employees: 2
Status: Developing

LUCKY LINDA MINE Silver, lead
Rimini dist., sec. 16, T. 8 N., R. 5 W.
Operator: Associated Minerals Exploration
P. O. Box 246, Pablo, MT 59855
Owner: George Phillips
Rimini Route, Helena, MT 59601
Status: Developing

MONTE CHRISTO 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

OLD BACHELOR MINE
Stemple dist., sec. 15, T. 13 N., R. 7 W.
Owner-Operator: Dillsworth and Smith
1509 River Rd., Missoula, MT 59801
Status: Inactive

ORO FINO MINE Silver, molybdenum
Marysville dist., sec. 2, T. 12 N., R. 6 W.
Owner-Operator: W. R. Wade
Marysville, MT 59640
Status: Developing

PEN-UTE CONSOLIDATED MINING CO. GROUP

Gold, silver, lead
Stemple and Rimini dist.
Owner-Operator: E. J. Young, President
Pen-Ute Consolidated Mining Co.
Box 2713, Great Falls, MT 59401
Status: Unknown

RED ROCK CLAIMS Copper, lead, silver
SE¼, sec. 3, SW¼ sec. 4, T. 16 N., R. 7 W.
Operator: Joe Hinkle
344 Plymouth St., Missoula, MT 59801
Owner: A. B. Morris and others
Route 1, Pig Fork, MT 59911
Status: Developing

SAM GATY MINE Gold, silver, copper, lead
Tenmile dist., sec. 11, T. 10 N., R. 4 W.
Operator: Helena Minerals Co., Inc., c/o Chester
Leirness, 1900 - 11th Ave., Helena, MT 59601
Owner: C. E. Pew and others, c/o Monida Vaughn
937 - 11th Ave., Helena, MT 59601
Mill capacity: 150 t/d
Status: Inactive

***SKY MINE** Gold, copper, zinc
Owyhee-Oro Fino dist., sec. 2, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
735 N. Montana Ave., Helena, MT 59601
Employees: 3
Status: Produced, developing

****STEMPLE and JAY GOULD MINES** Gold, silver
Stemple dist., sec. 10, T. 13 N., R. 7 W.
Owner-Operator: Vern C. Knopf
1621 Cannon St., Helena, MT 59601
Status: Inactive

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: Inactive

***WIGGINS MINE** Gold
Lincoln dist., sec. 31, T. 13 N., R. 8 W.
Owner-Operator: Bernie E. Nelson
1022½ No. Warren, Helena, MT 59601
Status: Developing

LINCOLN COUNTY: Libby 59923

BIG SKY 1 and 2 MINE Gold, silver, lead, tungsten
 Libby dist., sec. 6, T. 28 N., R. 32 W.
 Operator: Clive Roark
 Box 114, Libby, MT 59923
 Owner: Clive Roark and others
 Box 114, Libby, MT 59923
 Status: Inactive

BLUE JAY and STAR CLAIMS Silver, lead
 Troy dist.
 Owner-Operator: Richard F. Fifield
 Box 432, Troy, MT 59935
 Status: Inactive

CABINET LEASE (BIG EIGHT MINE) Silver, lead,
 zinc
 Callahan Creek dist., sec. 19, T. 31 N., R. 34 W.
 Operator: Eugene F. Tunstall
 Box 522, Troy, MT 59935
 Owner: Bruce R. Taylor
 1314 E. 43d Ave., Spokane, WA 99203
 Status: Inactive

CABLEWAY GROUP Silver, lead, gold
 Sec. 33, T. 28 N., R. 31 W.
 Operator: Bud Morris and Roy Norden
 Kalispell, MT 59901
 Owner: Donald C. and Marie Cripe
 Route 1, Box 929-B, Libby, MT 59923
 Status: Developing

HERBERT GROUP Gold, silver, lead, zinc
 Sec. 29, T. 30 N., R. 31 W.
 Owner-Operator: Donald C. and Marie Cripe
 Route 1, Box 929-B, Libby, MT 59923
 Status: Developing

****SILVER BUTTE MINE** Gold, silver, lead, zinc
 Silver Butte dist. (unorganized), T. 25 N., R. 30 W.
 Operator: Idaho-Cibola Mining Co.
 c/o Al Chambers, Star Route, Libby, MT 59923
 Owner: Idaho-Cibola Mining Co.
 E. 628 - 18th Ave., Spokane, WA 99203
 Employees: 6
 Mill capacity: 100 t/d
 Status: Developing, producing

SNOWSHOE MINE Gold, silver, lead
 Libby (Snowshoe) dist., sec. 11, T. 28 N., R. 32 W.
 Operator: Sidney Mining Co.
 Box 1049, Kellogg, ID 83837
 Owner: W. B. Foote
 Kalispell, MT 59901
 Status: Developing

SNOWSTORM MINE Silver, lead, zinc
 Troy dist., sec. 19, 20, T. 31 N., R. 34 W.
 Operator: Trojan Silver-Lead Mining Co.
 Knute Kirkeberg, Mgr., Box 549, Troy, MT 59935
 Owner: Big Eight, Inc.
 Mill capacity: 120 t/d
 Status: Inactive

MADISON COUNTY: Virginia City 59755

AGITATOR MINE Gold, silver
 Sec. 2, 5, T. 5 S., R. 4 W.
 Operator: G. Doornbos
 Gallatin Gateway, MT 59730
 Owner: Gene A. Doornbos and others
 Gallatin Gateway, MT 59730
 Status: Inactive

***ALAMEDA and BAMBOO CHIEF MINE** Gold, silver
 Virginia City dist., sec. 27, 28, T. 6 S., R. 3 W.
 Owner-Operator: Alameda Metals, Inc.
 Box 205, Virginia City, MT 59755
 Status: Inactive

ATLANTIC PACIFIC MINE Gold, silver, copper
 Mineral Hill dist., sec. 20, T. 2 S., R. 3 W.
 Operator: Fred Box, Pony, MT 59747
 Owner: Elling Estates Co.
 Status: Inactive

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
 Status: Developing

BESSIE AND GOLDEN WAVE MINE Gold, silver,
 copper, tungsten
 Mineral Hill dist.
 Owner-Operator: W. G. Forbes
 Pony, MT 59747
 Status: Developing

***BEVERLY CLAIM** Gold, silver
 Silver Star dist., sec. 8, 9, T. 2 S., R. 6 W.
 Owner-Operator: John Patterson
 Box 145, Sheridan, MT 59749
 Status: Developing

MADISON COUNTY—Continued

BIG TOM MINE Gold, silver, lead
 Sheridan dist., sec. 5, T. 4 S., R. 3 W.
 Owner-Operator: Mine Sales & Evaluators
 Box 487, Livingston, MT 59047
 Status: Developing

BINS MINE Gold, silver
 California Creek (Tobacco Root Range) dist.,
 sec. 5, T. 5 S., R. 3 W.
 Owner-Operator: Goldstream Mining Co.
 6715 Village Rd., Salt Lake City, UT 84121
 Status: Inactive

BOULDER-COBALT MINE Gold, silver, copper, lead
 Tidal Wave dist., sec. 5, T. 3 S., R. 4 W.
 Owner-Operator: Blue Mountain Mines, Inc.
 A. A. Moser, Hardin, MT 59034
 Status: Inactive

COMMONWEALTH GROUP (CALVIN MINE)
 Gold, silver, lead, zinc
 McCartney Mountain dist., sec. 28, T. 2 S., R. 8 W.
 Operator: Kibbe & Co., W. J. Franklin, Supt.
 Box 278, Twin Bridges, MT 59754
 Owner: Commonwealth Lead Mining Co.
 Provo, UT 84601
 Status: Inactive

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: Developing

DIVIDEND LODGE MINE Gold, silver
 Mineral Hill dist., sec. 15, T. 2 S., R. 3 W.
 Owner-Operator: Chester G. Horton, Jr.
 Pony, MT 59747
 Status: Developing

EMMA MINE Gold, silver
 Highland dist., sec. 18, T. 1 N., R. 7 W.
 Operator: Ed Scheitlin
 Pacific Mines, Inc., Virginia City, MT 59755
 Status: Producing, developing

***EASTON-PACIFIC MINE** Gold, silver
 Virginia City dist., sec. 9, T. 7 S., R. 3 W.
 Operator: Ed Scheitlin
 Virginia City, MT 59755
 Owner: Easton Pacific Co. and Riverside Mining Corp.
 Virginia City, MT 59755
 Employees: 3
 Status: Producing, developing

FORKS MINE Gold, silver
 Virginia City dist., sec. 3, 4, T. 7 S., R. 3 W.;
 sec. 33, 34, T. 6 S., R. 3 W.
 Owner-Operator: R. W. Leighton
 Box 116, Osburn, ID 83849
 Status: Inactive

FRIDA MARIE CLAIM Gold, silver
 Silver Star dist., sec. 10, 11, T. 2 S., R. 6 W.
 Owner-Operator: James King
 Box 583, Sheridan, MT 59749
 Status: Developing

***GREEN CAMPBELL MINE** Gold
 Silver Star dist., sec. 3, T. 2 S., R. 6 W.
 Owner-Operator: United Investors Corp.
 860 - 18th Ave., Salt Lake City, UT 84103
 Status: Produced

HAZEL GROUP Silver
 Potosi dist., sec. 34, T. 3 S., R. 3 W.
 Owner-Operator: Hazel H. Haine
 Pony, MT 59747
 Status: Inactive

HIDDEN TREASURE MINE Gold
 McCartney Mountain dist., sec. 9, T. 4 S., R. 8 W.
 Owner: Joseph W. Rankin
 P. O. Box 305, Osburn, ID 83849
 Status: Inactive

HILL TOP MINE Gold, silver, copper, lead, zinc
 Virginia City dist., sec. 4, T. 7 S., R. 3 W.
 Owner-Operator: Ed Scheitlin
 Virginia City, MT 59755
 Status: Inactive

JACK RABBIT MINE Gold, silver, lead
 Rochester dist., sec. 21, T. 2 S., R. 8 W.
 Owner-Operator: Jim McLaughlin
 Route 1, Box 22, Sheridan, MT 59749
 Employees: 3
 Status: Developing

*Open pit

MADISON COUNTY—Continued

JOHNSTON MOFFET GROUP Copper
Tidal Wave dist., sec. 2, T. 3 S., R. 5 W.
Operator: Wheeler Properties, Inc.
575 Forest St., Reno, NV 89502
Owner: The Johnston Estate
Status: Developing

JUMPER CLAIMS Gold, silver, copper
Pony dist., sec. 27, T. 2 S., R. 3 W.
Owner-Operator: Harold Neal
Pony, MT 59747
Status: Developing

MORNING STAR MINE Silver, zinc
Lower Hot Springs dist., sec. 28, 29, T. 3 S., R. 1 E.
Owner-Operator: R. B. Farnsworth
109 Willson, Bozeman, MT 59715
Employees: 2
Status: Developing

MOUNTAIN FLOWER MINE Gold, silver
Williams Gulch dist., sec. 53, T. 6 S., R. 3 W.
Owner-Operator: R. H. Rogers
Box 11, Alder, MT 59710
Status: Inactive

***MUELLER MINE** Gold, silver
McCarty dist., sec. 3, 4, T. 4 S., R. 8 W.
Operator: Hal Dale
Twin Bridges, MT 59754
Owner: Ed Mueller
1013 Utah Ave., Butte, MT 59701
Status: Produced

NELLIE BLY GROUP Gold
Fairweather dist., sec. 1, 12, T. 7 S., R. 3 W.
Operator: Janus Mining Co.
Virginia City, MT 59755
Status: Developing

PACIFIC MINE Gold, silver, lead
Browns Gulch dist., sec. 9, T. 7 S., R. 3 W.
Operator: Ed Scheitlin
Pacific Mines, Inc., Virginia City, MT 59755
Status: Producing, developing

RED PINE MINE Gold, silver
Sheridan dist., sec. 5, T. 4 S., R. 4 W.
Operator: Shermont Mining Co.
c/o John Magnus, Twin Bridges, MT 59745
Owner: Ruby Valley Development Co.
14503 Washington Ave. SW, Tacoma, WA 98498
Employees: 2
Mill capacity: 100 t/d
Status: Developing

ST. LAWRENCE CONSOLIDATED MINE Gold, silver
Nevada City dist., sec. 31, 32, 33, T. 6 S., R. 3 W.
Operator: D. W. Thomas, St. Lawrence Consolidated
Mines, Inc., Box 114, Virginia City, MT 59755
Owner: E. W. Smith
Virginia City, MT 59755
Status: Developing

SCALDED CAT MINE Gold, silver, copper, tungsten
Mineral Hill dist., sec. 14, T. 2 S., R. 3 W.
Owner-Operator: Emmett Clary
Box 628, Pony, MT 59747
Employees: 2
Status: Developing

SHORT SHIFT MINE Gold
Rabbit dist., SE¼ sec. 6, T. 2 S., R. 7 W.
Owner-Operator: John A. Layton
3104 Busch, Butte, MT 59701
Mill capacity: 20 t/d
Status: Developing

SMUGGLER MINE Gold, silver
Mill Creek dist., sec. 13, T. 4 S., R. 4 W.
Owner-Operator: Goldstream Mining Co.
6715 Village Rd., Salt Lake City, UT 84121
Status: Inactive

SNOWSLIDE MINE Gold
Washington dist., sec. 19, 20, T. 4 S., R. 2 W.
Operator: Travis Belue
1242 Ave. F, Billings, MT 59102
Owner: Alex J. Burchak and others
213 Collins, Lavina, MT 59046
Status: Developing

SPRING TUNNEL MINE Gold
Washington dist., sec. 25, T. 4 S., R. 2 W.
Operator: Travis Belue
1242 Ave. F, Billings, MT 59102
Owner: Alex J. Burchak and others
213 Collins, Lavina, MT 59046
Status: Developing

MADISON COUNTY—Continued

SURPRISE CLAIMS GROUP Gold, silver, lead
California (Harris) Creek dist., sec. 5, 6, 7, 8,
T. 5 S., R. 3 W.
Owner-Operator: Harry Bennetts Estate
Sheridan, MT 59749
Status: Inactive

***TAMARACK MINE** Gold
Sheridan dist., sec. 17, T. 4 S., R. 4 W.
Operator: R. L. Holladay
Box 302, Sheridan, MT 59749
Owner: Broadgauge Mine, Inc.
Box 302, Sheridan, MT 59749
Employees: 3
Status: Developing

UNION MINE Gold, silver
Sec. 21, T. 2 S., R. 8 W.
Operator: Solar Silver Mines, Inc.
West 222 Mission, Spokane, WA 99201
Owner: Jim McGlaughlin
Sheridan, MT 59749
Status: Developing

U S GRANT MINE Gold, silver
Virginia City dist., sec. 36, T. 6 S., R. 3 W.
Operator: Ed Scheitlin
Pacific Mines, Inc., Virginia City, MT 59755
Status: Producing

MEAGHER COUNTY: White Sulphur Springs 59645

BUGLAR CREEK MINE Gold
Sec. 28, T. 9 N., R. 4 E.
Owner: A. J. Burchak and others
213 Collins, Lavina, MT 59046
Status: Developing

***STUART MINE** Copper
Sec. 21, T. 7 N., R. 6 E.
Owner-Operator: Kenneth Cope
Townsend, MT 59644
Status: Inactive

BURBON MINE Gold
White Sulphur Springs dist., sec. 28, T. 9 N., R. 4 E.
Operator: Travis Belue
1242 Ave. F, Billings, MT 59102
Owner: Alex J. Burchak and others
213 Collins, Lavina, MT 59046
Status: Developing

VOSS MINE Copper
Castle Mountains dist., sec. 1, 2, 3, 11, T. 8 N., R. 8 E.
Owner: Carl W. Voss
Helena, MT 59601
Status: Inactive

LUCKY DOLLAR MINE Silver, lead
Castle Mountains dist., sec. 12, T. 8 N., R. 8 E.
Owner-Operator: Robinson Mining Co.
c/o Carl Berg, Box 61, Martinsdale, MT 59053
Employees: 2
Status: Producing, developing

YELLOWSTONE MINE Lead, zinc
Castle Mountains dist., sec. 18, T. 8 N., R. 8 E.
Operator: George Voldseth
Hamilton Mines, Inc., Martinsdale, MT 59053
Status: Inactive

MINERAL COUNTY: Superior 59872

***BLACK TRAVELER and BULORING MINES**
Silver, copper
St. Regis-Saltese dist., sec. 5, T. 19 N., R. 30 W.
Operator: Charles P. Buls
416 E. Beckwith Ave., Missoula, MT 59801
Owner: Buloring Mining Co.
416 E. Beckwith Ave., Missoula, MT 59801
Status: Inactive

****BONANZA GROUP** Gold, silver, copper, lead
Cedar Creek dist., sec. 17, T. 15 N., R. 26 W.
Owner-Operator: G. M. Gildersleeve
Box 565, Superior, MT 59872
Status: Developing

BRYAN MINE Silver, lead
Saltese dist., sec. 28, T. 20 N., R. 31 W.
Owner: Jupiter Mining Co.
Box 1010, Wallace, ID 83873
Status: Inactive

*Open pit; **Open pit and underground

MINERAL COUNTY—Continued

EAST COEUR D'ALENE SILVER MINE Silver,
copper, lead, zinc
Keystone dist., T. 17, 18 N., R. 26, 28 W.
Owner-Operator: East Coeur d'Alene Silver Mines, Inc.
Scott Bldg., Wallace, ID 83873
Status: Inactive

FREEZEOUT PASS MINE Lead, zinc
Superior dist., sec. 29, T. 15 N., R. 27 W.
Operator: Willie Downs
DeBorgia, MT 59830
Owner: Oscar Hahn
Box B, Stevensville, MT 59870
Status: Developing

HEMLOCK MINE Copper, silver, lead, gold
Saltese dist., sec. 2, T. 19 N., R. 31 W.
Owner-Operator: Charles M. Shaw
P. O. Box 961, Carmel, CA 93921
Status: Developing

K & K MINE Silver, lead
Deer Creek dist.
Operator: John Karvonen
Box 60, Mullan, ID 83846
Owner: John Karvonen and others
Box 60, Mullan, ID 83846
Status: Developing

MINERAL KING MINE Silver, lead, zinc
St. Regis-Saltese dist., sec. 36, T. 20 N., R. 31 W.
Owner-Operator: Mineral King Mining Co.
c/o Max Swanson, 144 W. Front, Missoula, MT 59801
Status: Inactive

MINNICK MINE Lead, silver
St. Regis-Saltese dist., sec. 5, T. 18 N., R. 30 W.
Operator: Ray Minnick
Medical Lake, WA 99022
Owner: Ray Minnick and others
Medical Lake, WA 99022
Status: Developing

NANCY LEE MINE Silver, lead, zinc
Keystone dist., sec. 31, 32, T. 18 N., R. 26 W.
Operator: Manuel Sakkinen
Superior, MT 59872
Owner: Nancy Lee Mines, Inc.
Box 67, Kellogg, ID 83837
Employees: 30
Mill capacity: 150 t/d
Status: Produced

PROSPERITY MINE Silver, copper, lead
Keystone dist., T. 18 N., R. 26 W.
Operator: Par-D Mining and Development Co.
c/o R. L. Helterline
1317 Dakota St., Missoula, MT 59801
Owner: Prosperity Mines, Inc.
1716 S. 9th West, Missoula, MT 59801
Status: Inactive

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

SILVER CREEK MINE Copper
Saltese dist., sec. 14, T. 19 N., R. 31 W.
Operator: Willie Downs
Silver Creek Mining Co., DeBorgia, MT 59830
Owner: Silver Creek Mining Co.
Box B, Stevensville, MT 59870
Status: Developing

SPITFIRE MINE Gold, silver, copper
Sevenmile Creek dist., sec. 35, T. 19 N., R. 27 W.
Owner-Operator: Mrs. Donald A. Graham
Box 157, St. Regis, MT 59866
Status: Inactive

TAWNEY MINE Gold
St. Regis dist.
Owner-Operator: Chester Johnson
Box 701, Polson MT 59860
Employees: 1
Mill capacity: 8 t/d
Status: Producing

MISSOULA COUNTY: Missoula 59801

BELLVIEW MINE Copper, silver, gold
 Clinton dist., sec. 17, T. 12 N., R. 16 W.
 Owner-Operator: E. Terry
 Clinton, MT 59825
 Employees: 2
 Status: Produced, developing

***FRANCES MINE** Copper, silver, gold, lead, antimony
 Nine Mile dist., sec. 5, 7, 8, T. 17 N., R. 24 W.
 Owner-Operator: J. L. Waylett
 231 W. Sussex Ave., Missoula, MT 59801
 Status: Developing

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

****SAN MARTINA MINE** Gold, silver, copper, lead
 Nine Mile dist., sec. 21, 22, 27, 28, T. 17 N., R. 24 W.
 Operator: K & N Minerals
 c/o W. A. Nagy, Huson, MT 59846
 Owner: Frank Realty Co.
 204 Professional Bldg., Butte, MT 59701
 Status: Developing

***WALDBILLIG MINE** Silver, copper
 Miller Creek dist., sec. 1, 2, T. 11 N., R. 19 W.
 Owner-Operator: Joe and O. R. Waldbillig
 Route 5, Miller Creek, Missoula, MT 59801
 Status: Developing

WARD LODGE MINE Gold, silver, copper, lead, zinc
 Sec. 22, T. 11 N., R. 22 W.
 Owner-Operator: Ward Development Co.
 Hwy. 3 and South Ave., Missoula, MT 59801
 Employees: 5
 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

***GLENGARRY (WHITE) CLAIMS** Gold, silver, copper
 New World dist., sec. 12, T. 9 S., R. 14 E.
 Operator: Earl Nott
 Cooke City, MT 59020
 Owner: Harriet White
 Spokane, WA 99200
 Employees: 1
 Status: Developing

***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
 Employees: 3
 Status: Developing

PHILLIPS COUNTY: Malta 59538

GOLD BUG-LITTLE BEN MINE Gold, silver
 Little Rockies dist., sec. 15, T. 25 N., R. 24 E.
 Operator: Niseka Mining, Ltd.
 Landusky, MT 59533
 Owner: Little Rockies Mining & Development Co.
 Lewistown, MT 59457
 Employees: 4
 Status: Developing

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: Developing

RUBY GULCH MINE Gold, silver
 Little Rockies dist., sec. 18, T. 25 N., R. 25 E.
 Owner: Gold Reserve Mining Co.
 c/o Henry Kolstad, Chester, MT 59522
 Employees: 3
 Mill capacity: 500 t/d
 Status: Exploration

U. S. EXPLORATION GROUP Gold, silver
 Zortman dist., T. 25 N., R. 25 E.
 Owner-Operator: U.S. Exploration & Development, Inc.
 c/o Waldo Pust, Savage, MT 59262
 Status: Developing

POWELL COUNTY: Deer Lodge 59722

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

ELLISTON CONSOLIDATED GROUP Lead, zinc, silver
 Elliston dist., sec. 5, 8, 10, 15, 22, T. 8 N., R. 6 W.
 Owner-Operator: Leo T. Newman, Elliston
 Consolidated Mining Co., Elliston, MT 59728
 Employees: 3
 Status: Developing

FAIRVIEW MINE Gold, silver, copper
 Ophir dist., sec. 25, T. 11 N., R. 8 W.
 Owner-Operator: Wesley Dix
 703 S. Montana, Butte, MT 59701
 Employees: 3
 Status: Developing

****HARD LUCK MINE** Silver, copper, lead, zinc
 Elliston dist., sec. 14, 16, 17, 20, 21, T. 8 N., R. 6 W.
 Operator: Ray, Larry and Charles Ward
 Elliston, MT 59728
 Owner: Hard Luck Mines
 Elliston, MT 59728
 Status: Developing

***HIDDEN HAND MINE** Gold, silver, lead, zinc
 Zosell dist., NW¼ SW¼ sec. 2, T. 7 N., R. 8 W.
 Operator: Hidden Hand Mining, Inc.
 27 Edwards St., Helena, MT 59601
 Owner: Mrs. Fern Johnson
 400 Milwaukee Ave., Deer Lodge, MT 59722
 Status: Inactive

INCLINE MINE Lead, silver, gold
 Emery (Zosell) dist., sec. 2, T. 7 N., R. 8 W.
 Operator: George L. Rennfield
 Route 1, Deer Lodge, MT 59722
 Owner: Ivan Stocks and George L. Rennfield
 Deer Lodge, MT 59722
 Status: Developing

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 part time
 Status: Developing

NANCY HELEN MINE Gold, copper
 Ophir dist.
 Owner-Operator: Clarke J. Smith
 Route 2, Valencia, PA 16059
 Status: Developing

NEGROS MINE Gold, silver, lead, zinc
 Negro Hill dist., SE¼ SW¼ sec. 36, T. 9 N., R. 7 W.
 Owner-Operator: J. F. Hopkins
 401 N. Montana, Helena, MT 59601
 Status: Inactive

****NELSON and DAN 1 & 2 MINES** Gold, silver, copper
 Elk Creek dist., (Powell and Granite Counties)
 sec. 5, 6, 7, 8, T. 12 N., R. 13 W.
 Operator: Silver Trend Mining Co.
 Kellogg, ID 83837
 Owner: Nelson Mines
 Harold G. Nelson, Sr., Greenough, MT 59836
 Employees: 2
 Status: Developing

*Open pit; **Open pit and underground

POWELL COUNTY—Continued

NORTH POLE MINE Silver, copper, zinc, gold
 Elliston dist., sec. 1, 6, 9, T. 8 N., R. 6 W.
 Owner-Operator: James R. Dixon and Duane L.
 Pickering, Box 302, Garrison, MT 59731
 Status: Developing

****SUNRISE MINE** Gold, silver, lead
 Negro Hill dist., sec. 12, T. 8 N., R. 7 W.
 Owner-Operator: Enard A. Lindquist
 Box 334, Elliston, MT 59728
 Status: Developing

THIRD TERM MINE Gold, silver, copper, lead, zinc
 Elliston dist., sec. 28, T. 9 N., R. 6 W.
 Owner-Operator: Glen Lince
 Box 435, Elliston, MT 59728
 Status: Developing

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

WOLVERINE MINE Gold, silver, lead
 Elliston dist., sec. 18, 19, 20, T. 8 N., R. 6 W.
 Owner-Operator: Wolverine Corp.
 c/o M. M. Butler, Pres.
 2711 Miles Ave., Billings, MT 59102
 Status: Developing

RAVALLI COUNTY: Hamilton 59840

***CURLEW MINE** Silver, lead
 Pleasant View dist., sec. 13, T. 8 N., R. 21 W.
 Operator: Dee Mines, c/o H. W. Ebbett
 Box 142, Victor, MT 59875
 Owner: H. W. Ebbett and others
 Box 142, Victor, MT 59875
 Status: Inactive

HIGHLAND MINE Copper, gold
 Overwich dist., sec. 7, T. 2 S., R. 21 W.
 Operator: David Carruthers and others
 Box 604, Darby, MT 59829
 Owner: L. C. L. Corp.
 Box 604, Darby, MT 59829
 Status: Developing

LOGGER CLAIMS GROUP Silver, copper, beryl
 East Fork dist., sec. 6, T. 1 N., R. 17 W.
 Operator: Tom Nash
 Darby, MT 59829
 Owner: Tom Nash and others
 Darby, MT 59829
 Status: Inactive

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

***WOODS CREEK COPPER MINE** Copper, silver, gold
 Sec. 16, 17, 20, 21, T. 3 S., R. 22 W.
 Owner: LeRoy Sargent
 Rural Route, Darby, MT 59829
 Status: Developing

SANDERS COUNTY: Thompson Falls 59873

BLUE CREEK (LUCKY STAR) MINE Silver, lead, zinc
 Blue Creek dist., sec. 3, 10, T. 27 N., R. 34 W.
 Owner-Operator: Lucky Star Mining Co.
 417 Paulsen Bldg., Spokane, WA 99201
 Status: Inactive

BROKEN HILL MINE Silver, lead, zinc
 Heron dist., sec. 10, T. 27 N., R. 34 W.
 Operator: E. R. Schenkel
 6268 Crystal Cove Dr., Long Beach, CA 90803
 Owner: J. P. Swann and others
 E. 910½ Hawthorne Rd., Spokane, WA 99218
 Status: Inactive

*Open pit; **Open pit and underground

SANDERS COUNTY—Continued

EDDY CREEK MINE Gold, silver, copper, lead
 Eddy Creek dist., sec. 16, 21, T. 20 N., R. 28 W.
 Operator: Silver Mountain Exploration Co., Rm. 708
 N. 4407 Division St., Spokane, WA 99207
 Owner: The State Mining Co.
 W. W. Stearns, Box 141, Plains, MT 59859
 Status: Developing

FOUR UP GROUP Copper
 Sec. 22, T. 24 N., R. 32 W.
 Operator: Hillside Mines, Inc.
 816 Old National Bank Bldg., Spokane, WA 99200
 Owner: Donald C. Cripe and others
 Route 1, Box 929-B, Libby, MT 59923
 Status: Developing

***FREDERICK GROUP** Copper, silver
 Squaw Peak dist., T. 27 N., R. 34 W.
 Operator: Saltese Mining Co.
 E. 12815 Sprague Ave., Spokane, WA 99216
 Owner: Lynn Keith and Art Neils
 Route 2, Troy, MT 59935
 Status: Developing

GOLDEN ROC MINES Gold, silver, lead, copper
 Trout Creek dist., sec. ?, T. 23 N., R. 32 W.
 Owner-Operator: Golden Roc Mines Co.
 314 River St., Wallace, ID 83873
 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 Route, Clark Fork, ID 83811 and
 Dettwiler Bros., Noxon, MT 59853
 Status: Developing

GREEN MOUNTAIN MINE Gold, copper, platinum
 Revais Creek dist., sec. 33, T. 18 N., R. 22 W.
 Operator: Earl F. Elstone
 W. 1220 6th Ave., Spokane, WA 99204
 Owner: Green Mountain Mining Co., c/o Earl F. Elstone,
 W. 1220 6th Ave., Spokane, WA 99204
 Mill capacity: 50 t/d
 Status: Inactive

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

HOLLIDAY MINE Silver, copper, lead, zinc
 Pilgrim Creek dist., sec. 25, 36, T. 26 N., R. 34 W.
 Owner-Operator: Silver Mark Mines, Inc.
 Box 197, Noxon, MT 59853
 Status: Inactive

JEFF GROUP Copper, silver
 Vermillion dist., T. 24 N., R. 29, 30 W.
 Operator: Saltese Mining Co.
 E. 12815 Sprague Ave., Spokane, WA 99216
 Owner: Lynn Keith and Art Neils
 Route 2, Troy, MT 59935
 Status: Developing

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

****LUCKY STRIKE MINE** Copper, gold
 Revais Creek dist., sec. 33, T. 18 N., R. 22 W.
 Owner: Mrs. Mabel Ashcroft
 Revais Creek Route, Dixon, MT 59831
 Status: Developing

MONTRO GOLD MINES Lead, silver, copper, gold
 SE¼ sec. 4, SW¼ sec. 3, T. 19 N., R. 26 W.
 Operator: William L. Burns
 Mullan, ID 83846
 Owner: Mrs. Marion R. Kruger and others
 Plains, MT 59859
 Employees: 2
 Status: Developing

RED FIR (AMAZON) MINE Gold, silver, copper
 Blue Creek dist., sec. 25, T. 27 N., R. 34 W.
 Operator: International Minerals & Chem. Corp.
 (Address unknown)
 Owner: J. C. Brooks and others
 Star Route, 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 DOMINO CLAIM** Copper, silver
 Beaver Creek dist.
 Owner: Nancy Collins
 Route 4, Box 2, Thompson Falls, MT 59873
 Status: Inactive

SILVER BOW COUNTY: Butte 59701

***BERKELEY PIT** Gold, silver, copper
Summit Valley dist., NE¼ NW¼ sec. 18, T. 3 N.,
R. 7 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Status: Producing, developing

LEONARD MINE Gold, silver, copper
Summit Valley dist., cen. SW½ sec. 8, T. 3 N., R. 7 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Employees: 155
Status: Produced

CARVER TAILINGS Gold, silver, copper, lead, zinc
Butte dist., sec. 21, T. 3 N., R. 7 W.
Operator: Frank Antonioli
724 S. Western Ave., Butte, MT 59701
Status: Produced

MOUNTAIN CON MINE Gold, silver, copper
Summit Valley dist., NE¼ SW¼ sec. 12, T. 3 N., R. 8 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Employees: 193
Status: Producing, developing

****CLIMAX (APEX) LODGE GROUP** Gold, silver
Divide Creek dist., sec. 5, 6, T. 1 N., R. 8 W.
Operator: James S. Knowlson, V
805 W. Granite, Butte, MT 59701
Owner: Intermountain Deaconess Home for Children
Helena, MT 59601
Employees: 2
Status: Developing

****OVERLOOK GROUP MINE** Gold, silver, copper
Highland dist., sec. 15, 22, 23, 26, 27, T. 1 N., R. 7 W.
Operator: Universe Minerals Co.
Butte, MT 59701
Owner: F. W. Sharak and others
6025 N. 40th St., Milwaukee, WI 53209
Mill capacity: 25 t/d
Status: Developing

***COLORADO TAILINGS** Gold, silver, copper
Summit Valley dist., sec. 23, T. 3 N., R. 7 W.
Operator: Frank Antonioli
724 S. Western Ave., Butte, MT 59701
Employees: 1
Status: Producing

PEABODY MINE Silver, lead
Soap Gulch dist., T. 1 S., R. 8 W.
Owner-Operator: Lively's Inc.
Box 96, Melrose, MT 59743
Employees: 2
Status: Developing

***COPPER HILL MINE** Silver, copper
Camp Creek dist., sec. 3, T. 2 S., R. 8 W.
Owner-Operator: Frank Bissell
319 N. Excelsior, Butte, MT 59701
Status: Exploration, developing

STEWART MINE Gold, silver, copper
Summit Valley dist., NW¼ NE¼ sec. 13, T. 3 N., R. 8 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Employees: 356
Status: Producing, developing

KELLEY MINE Gold, silver, copper
Summit Valley dist., SW¼ SW¼ sec. 7, T. 3 N., R. 7 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Status: Hoisting facility

WRONG FONT GROUP Gold, silver
Summit Valley dist., sec. 19, 24, T. 3 N., R. 9 W.
Owner-Operator: Tom Helehan
Fox Hotel, 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

SWEET GRASS COUNTY: Big Timber 59011

****SKY BABY CLAIMS** Gold, silver
Boulder River dist., sec. 25, T. 4 S., R. 12 E.
Owner-Operator: Ben Taylor
Box 516, Big Timber, MT 59011
Status: Developing

IRON MINES**BROADWATER COUNTY: Townsend 59644**

***IRON CROSS MINE** Iron ore
Cedar Plains dist., sec. 12, T. 5 N., R. 1 W.
Operator: R & S Iron Co., Inc.
Radersburg, MT 59641
Owner: John M. Ralls
Radersburg, MT 59641
Employees: 3
Status: Producing

***LUPINE MINE** Iron ore
Cedar Plains dist., sec. 21, T. 6 N., R. 1 E.
Operator: R & S Iron Co., Inc.
Radersburg, MT 59641
Owner: John M. Ralls
Radersburg, MT 59641
Status: Developing

SILVER BOW COUNTY: Butte 59701

IRON KING MINE Iron ore
Little Pine dist.
Owner-Operator: Tom Helehan
Fox Hotel, Butte, MT 59701
Status: Inactive

MOLYBDENUM MINES**LINCOLN COUNTY: Libby 59923**

WHITE PINE MINE Antimony, molybdenum
Troy dist.
Owner-Operator: Richard Fifield
Box 432, Troy, MT 59935
Status: Inactive

RAVALLI COUNTY: Hamilton 59840

BLUE NOSE MINE Molybdenum
Mineral Hill dist., sec. 29, T. 4 S., R. 22 W.
Owner-Operator: Hazel Morgan and others
312 S. 5th, Hamilton, MT 59840
Status: Inactive

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

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-Operator: Sawyer-Adecor Inter., Inc.
3780 Wilshire Blvd., Los Angeles, CA 90005
Status: Inactive

TUNGSTEN MINES

BEAVERHEAD COUNTY: Dillon 59725

*CALVERT MINE Scheelite
Wise River dist., sec. 12, T. 1 N., R. 12 W.
Owner-Operator: General Electric Co.
2180 Tungsten Rd., Cleveland, OH 44117
Mill capacity: 250 t/d
Status: Inactive

**GREENSTONE MINE Scheelite
Utopia dist., sec. 11, T. 5 S., R. 10 W.
Operator: Carl Kennedy
Box 862, Dillon, MT 59725
Owner: Rex Land Co., c/o Carl Kennedy
Box 1771, Seattle, WA 98111
Status: Inactive

DEER LODGE COUNTY: Anaconda 59711

OLD BONANZA MINE Scheelite
Silver Lake dist., sec. 21, 22, T. 5 N., R. 13 W.
Operator: Tri-City Concrete Products, Inc.
Anaconda, MT 59711
Owner: Mrs. Mary McCabe
2010 Haggin Ave., Anaconda, MT 59711
Mill capacity: 100 t/d
Status: Inactive

SILVER BOW COUNTY: Butte 59701

**OVERLOOK GROUP MINE Scheelite
Highland dist., sec. 15, 22, 23, 26, 27, 28, T. 1 N.,
R. 7 W.
Operator: Universe Minerals Co.
Butte, MT 59701
Owner: E. W. Sharak and others
6025 N. 40th St., Milwaukee, WI 53209
Status: Developing

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, exploring

JEFFERSON COUNTY: Boulder 59632

FREE ENTERPRISE URANIUM-RADON MINE
Boulder dist., sec. 22, T. 6 N., R. 4 W.
Operator: Wade V. Lewis, Pres., Elkhorn Mining Co.
Boulder Bank Bldg., Boulder, MT 59632
Owner: Elkhorn Mining Co.
Boulder, MT 59632
Status: Health mine

GOLD PLACERS

BROADWATER COUNTY: Townsend 59644

GARNET PLACER Gold
Magpie Gulch dist., T. 11 N., R. 1 E.
Owner-Operator: Les Sodorff
Box 69, Clancy, MT 59634
Status: Producing

RAINBOWS END Gold
Sec. 30, T. 10 N., R. 3 E.
Owner-Operator: Arthur Kurth and Richard McCord
Box 43, East Helena, MT 59635
Status: Developing

GRANITE COUNTY: Philipsburg 59858

CONFIDENT, RADAR, CASTLE 1 & 2 PLACER GROUP
Gold, silver
Granite dist., sec. 22, 23, T. 6 N., R. 13 W.
Owner-Operator: William J. Dean, Jr. and Son
1460 Ponderosa, Idaho Falls, ID 83401
Employees: 1
Status: Developing

JEFFERSON COUNTY: Boulder 59632

***BEAR GULCH PLACER** Gold, platinum
Homestake dist., sec. 16, T. 3 N., R. 7 W.
Owner-Operator: Bear Gulch Development Co.
c/o L. J. Haxby, 120 W. Granite, Butte, MT 59701
Status: Developing

***BLACK CANYON PLACERS** Gold
Alhambra dist., sec. 14, 15, T. 7 N., R. 3 W.
Owner: A. E. Reichel and others
3112 1st Ave. N., Great Falls, MT 59401
Status: Developing

GOLD PLACERS—Continued**JEFFERSON COUNTY—Continued**

BLUEBIRD NO. 1 and 2 PLACER Gold
 Whitehall dist.
 Owner-Operator: Maurice R. Haigh
 Box 293, Three Forks, MT 59752
 Employees: 1
 Status: Developing

***LUCKY KAREN PLACER** Gold
 Homestake dist., sec. 16, T. 3 N., R. 7 W.
 Owner-Operator: Precious Metals, Inc.
 c/o L. J. Haxby, 120 W. Granite, Butte, MT 59701
 Status: Developing

SKOOKUM PLACER Gold
 Comet dist., sec. 1, 12, T. 5 N., R. 6 W.
 Owner-Operator: Theodore Nyquest
 Box 133, Boulder, MT 59632
 Status: Developing

VICKI PLACER Gold, platinum
 Champion dist., sec. 25, T. 8 N., R. 8 W.
 Owner-Operator: George Jaslowski
 Box 494, Basin, MT 59631
 Employees: 1
 Status: Producing, developing

LEWIS AND CLARK COUNTY: Helena 59601

***ALL PLACER** Gold
 Sec. 36, T. 13 N., R. 9 W.; sec. 31, T. 13 N., R. 8 W.
 Owner-Operator: George H. Poggeman
 Rural Route 1, Box 215, Union Mills, IN 46382
 Status: Produced

MADISON COUNTY: Virginia City 59755

BUBANY PLACER Gold
 Virginia City dist., sec. 16, 21, T. 6 S., R. 3 W.
 Operator: Death Valley Tungsten
 325 S. Third, Las Vegas, NV 89101
 Owner: Tony Bubany
 Virginia City, MT 59755
 Status: Inactive

NEVADA CITY PLACER Gold
 Virginia City (Nevada) dist., sec. 16, 21, T. 6 S.
 R. 4 W.
 Operator: Joe Highsmith
 Box 223, Virginia City, MT 59755
 Status: Developing

MEAGHER COUNTY: White Sulphur Springs 59645

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

YERDON PLACER Gold
 Meagher dist. (unorganized)
 Owner: Frank Duval
 Spokane, WA
 Status: Inactive

*Open pit

GOLD PLACERS—Continued**MINERAL COUNTY: Superior 59872*****BETTY PLACER Gold**

SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, 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

Employees: 2

Status: Producing, developing

OREGON CREEK PLACER Gold

Oregon Creek dist.

Owner: Oremont, Inc.

417 Paulsen Bldg., Spokane, WA 99201

Status: Inactive

STEMWINDER PLACER Gold

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

Owner-Operator: George Gildersleeve

Box 565, Superior, MT 59872

Status: Developing, producing

MISSOULA COUNTY: Missoula 59801***IDA A. PLACER Gold**

Nine Mile dist., sec. 15, T. 16 N., R. 23 W.

Operator: Albert Byron Peterson

1859 S. 9th St. W., Missoula, MT 59801

Owner: A. B. Peterson and others

1859 S. 9th St. W., Missoula, MT 59801

Employees: 2

Status: Producing

***ROBIN L. PLACER Gold**

Nine Mile dist., sec. 21, T. 17 N., R. 24 W.

Operator: Nickolus F. Anliker

1209 S. 4th St. W., Missoula, MT 59801

Status: Developing

PARK COUNTY: Livingston 59047**HENKE-BEER PLACER Gold**

Boulder River dist., sec. 20, T. 7 S., R. 12 E.

Owner-Operator: Donald N. Henke

Box 206, Big Timber, MT 59011

Status: Inactive

POWELL COUNTY: Deer Lodge 59722****CRAIG PLACER GROUP Gold, silver, lead, tungsten, copper**

Your Name Creek dist., sec. 4, 13, 16, 17, 18, 22, 23,
T. 13 N., R. 12, 13 W.

Owner: H. C. Craig and Co.

411 Hyde Bldg., Spokane, WA 99201

Status: Inactive

***LEPRECHAUN PLACER Gold**

Ophir dist., NW $\frac{1}{4}$ sec. 32, T. 11 N., R. 7 W.

Owner-Operator: Patrick J. & Michael A. McDonnell

109 W. Milwaukee Ave., Deer Lodge, MT 59722

Employees: 2

Status: Developing

****JEFFERSON CREEK PLACER Gold**

Finn dist., sec. 11, T. 12 N., R. 9 W.

Owner-Operator: Elmer J. Wagner

Box 292, Avon, MT 59713

Employees: 1

Status: Unknown

OLD SHOE NO. 1 PLACER Gold

Finn dist.

Owner-Operator: A. H. Roat and Sons

Box 266, Alberton, MT 59820

Status: Unknown

SILVER BOW COUNTY: Butte 59701**SILVER KING PLACER Gold**

Highland dist., sec. 28, T. 1 N., R. 7 W.

Owner-Operator: R. E. Davenport

Box 28, Whitehall, MT 59759

Status: Produced

*Open pit; **Open pit and underground

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

MISSOULA COUNTY: Missoula 59801

FROSTBITE DEPOSIT Barite
Elk Creek dist., sec. 20, T. 13 N., R. 14 W.
Operator: Bill Frost
4405 - 23d Ave., Missoula, MT 59801
Status: Inactive

BENTONITE PITS

CARTER COUNTY: Ekalaka 59324

*COLONY OPEN PITS Bentonite
T. 9 S., R. 58, 59 E.
Operator: N L Industries, Inc., Baroid Division
Alzada Star Route, Alzada, MT 59311
Owner: N L Industries, Inc., Baroid Division
Box 1675, Houston, TX 77001
Employees: 45
Mill capacity: 1,000 t/d
Status: Producing

PHILLIPS COUNTY: Malta 59538

*AMERICAN COLLOID Bentonite
Owner-Operator: American Colloid Co.
5100 Suffield Ct., Skokie, IL 60076
Status: Developing

*BRAZIL CREEK PIT Bentonite
Sec. 21, T. 28 N., R. 27 E.
Operator: Hallett Minerals Co.
Box 7024, Duluth, MN 55807
Owner: Brazil Creek Bentonite Co.
Box 907, Glasgow, MT 59230
Status: Developing

BENTONITE PITS—Continued**ROSEBUD COUNTY: Forsyth 59327*****HALLETT MINERALS PIT Bentonite**

Sec. 32, 33, 34, 35, T. 8 N., R. 37 E.

Operator: Hallett Minerals Co.

Vananda, MT 59230

Owner: Hallett Minerals Co.

Box 7024, Duluth, MN 55807

Employees: 19

Mill capacity: 100 t/hr

Status: Producing

TREASURE COUNTY: Hysham 59038***HALLETT MINERALS PIT Bentonite**

Sec. 2, 3, 4, 12, T. 7 N., R. 37 E.

Operator: Hallett Minerals Co.

Vananda, MT 59230

Owner: Hallett Minerals Co.

Box 7024, Duluth, MN 55807

Employees: 19

Mill capacity: 100 t/hr

Status: Producing

VALLEY COUNTY: Glasgow 59230***GLASGOW PITS Bentonite**

Owner-Operator: Federal Bentonite Co.

4614 Prospect Ave., Cleveland, OH 44103

Status: Developing

***BRAZIL CREEK PIT Bentonite**

Operator: Federal Bentonite Co.

4614 Prospect Ave., Cleveland, OH 44103

Owner: Brazil Creek Bentonite Co.

Box 907, Glasgow, MT 59230

Status: Developing

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.

Operator: Lewistown Brick & Tile Co.

Box 573, Lewistown, MT 59457

Status: Producing

***Open pit**

CLAY MINES AND PITS—Continued**JEFFERSON COUNTY: Boulder 59632**

*CALICO CLAY PIT Pottery clay
Sec. 36, T. 2 N., R. 3 W.
Owner-Operator: Wesley Van Gorden
Box 5, Cardwell, MT 59721
Status: Produced

SILVER BOW COUNTY: Butte 59701

*GAVIN PLACER Refractory clay
Summit Valley dist., sec. 24, T. 3 N., R. 9 W.
Operator: Stauffer Chemical Co.
Box 3146, Butte, MT 59701
Owner: Tom Helehan
Fox Hotel, Butte, MT 59701
Status: Inactive

FLUORSPAR MINES**RAVALLI COUNTY: Hamilton 59840**

*CRYSTAL MOUNTAIN MINE Fluorspar
Sec. 18, T. 3 N., R. 19 W.
Operator: Roberts Mining Co.
Box 365, Darby, MT 59829
Mill capacity: 50 t/hr
Status: Inactive

**MARION MINE Fluorspar
Unorganized, sec. ?, T. 7 N., R. 18 W.
Operator: Marion Mines
Route 1, Box 1076, Hamilton, MT 59840
Owner: James L. & Irma M. Swallow
Route 1, Box 1076, Hamilton, MT 59840
Status: Developing

GYPSUM MINES**BEAVERHEAD COUNTY: Dillon 59725**

*McCARTHY (DEADWOOD) DEPOSIT Gypsum
Sec. 6, 7, T. 14 S., R. 9 W.
Operator: Tim McCarthy
Lima, MT 59739
Owner: Tim McCarthy and others
Lima, MT 59739
Status: Inactive

*PETERSON DEPOSIT Gypsum
N½ sec. 1, T. 15 S., R. 9 W.
Owner-Operator: Mrs. Lanora Peterson
Box 185, Willow Creek, MT 59760
Status: Inactive

CARBON COUNTY: Red Lodge 59068

*JAY KAY MINE Gypsum
NE¼ SE¼ sec. 19, T. 7 S., R. 24 E.
Owner-Operator: Jay Kay, Inc.
607 Garden Ave., Billings, MT 59101
Status: Inactive

*Open pit; **Open pit and underground

GYPSUM MINES—Continued**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: 4
Mill capacity: 400 t/d
Status: Produced

MADISON COUNTY: Virginia City 59755

***PIKA GYPSUM DEPOSIT** Gypsum
Cottonwood dist. (unorganized), sec. 25, T. 10 S., R. 3 W.
Owner-Operator: Roy Kitson
Alder, MT 59710
Status: Inactive

LIMESTONE MINES AND QUARRIES**CARBON COUNTY: Red Lodge 59068**

***WARREN QUARRY** Chemical limestone
Sec. 16, T. 5 S., R. 25, 26 E.
Operator: Big Horn Calcium Co.
Box 118, Frannie, WY 82423
Owner: The Big Horn Limestone Co.
Box 5308, Denver, CO 80200
Employees: 28
Mill capacity: 10 t/hr
Status: Producing

DEER LODGE COUNTY: Anaconda 59711

***BROWNS QUARRY** Metallurgical limestone
Sec. 23, T. 5 N., R. 12 W.
Owner-Operator: The Anaconda Co.
Butte, MT 59701
Employees: 12
Mill capacity: 350 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 Cement Co.
420 Ideal Cement Bldg., Denver, CO 80202
Status: Producing

***Open pit**

LIMESTONE MINES AND QUARRIES—Continued**JEFFERSON COUNTY: Boulder 59632**

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

***MONTANA CITY QUARRY** Portland cement limestone
 Sec. 12, 13, T. 9 N., R. 2 W.
 Operator: Kaiser Cement Co.
 Montana City, MT 59602
 Owner: Kaiser Cement and Gypsum Corp.
 Kaiser Center, Oakland, CA 94600
 Employees: 75
 Mill capacity: 5,000 b/d
 Status: Producing

POWELL COUNTY: Deer Lodge 59722

***WARM SPRINGS CREEK QUARRY** Limestone
 Sec. 5, T. 10 N., R. 9 W.
 Owner-Operator: Janney Trucking Co., Inc.
 Garrison, MT 59731
 Status: Producing

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

BROCK (ANDERSON, WARM SPRINGS CREEK)
 MINE Phosphate rock
 Garrison dist., sec. 21, 22, T. 10 N., R. 10 W.
 Owner-Operator: Cominco American, Inc.
 Garrison, MT 59731
 Employees: 150
 Status: Producing, developing

JACKSON MINE Phosphate rock
 Elliston dist., sec. 1, 2, T. 9 N., R. 7 W.
 Operator: Vernon Gillman
 Garrison, MT 59731
 Owner: A. G. Jackson
 Elliston, MT 59728
 Status: Inactive

EMERY RIDGE (PIKES PEAK) LEASE Phosphate rock
 Pikes Peak Creek dist., sec. 5, 8, 9, T. 8 N., R. 11 W.;
 sec. 32, T. 9 N., R. 11 W.
 Owner-Operator: R. M. Parson Co.
 617 W. 7th St., Los Angeles, CA 90017
 Status: Developing

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

BERYLLIUM MINES**MINERAL COUNTY: Superior 59872**

***COFFEE POT LODGE** Beryllium, emerald
 Sec. 17, T. 14 N., R. 25 W.
 Owner-Operator: A. H. Welling
 186 Wheeler Trailer Ct., Route 2, Missoula, MT 59801
 Status: Inactive

*Open pit

SAPPHIRE MINES**GRANITE COUNTY: Philipsburg 59858*****AMERICAN SAPPHIRE GEM MINE** Sapphire

West Fork Rock Creek, T. 6 N., R. 16 W.

Operator: Kenneth W. Clavish

Box 706, Philipsburg, MT 59858

Owner: Will Chaussee

Box 706, Philipsburg, MT 59858

Employees: 2

Status: Produced

JUDITH BASIN COUNTY: Stanford 59479****SAPPHIRE INTERNATIONAL CORP. MINE** Sapphire

Yogo dist., sec. 19, 20, 21, 22, T. 13 N., R. 11 E.

Operator: Sonny Terada, Asst. Secy.

Sapphire Village, Inc., Box 30, Utica, MT 59452

Owner: Sapphire Village, Inc.

P.O. Box 1416, Beverly Hills, CA 90213

Employees: 10

Mill capacity: 300 t/d

Status: Producing, developing

LEWIS AND CLARK COUNTY: Helena 59601***EL DORADO BAR SAPPHIRE DIGGINGS** Sapphire

Sec. 2, 10, 11, T. 11 N., R. 12 W.

Operator: Dr. James Peterson

2428 N. Highland, Altadena, CA 91001

Owner: Eldorado, Inc.

York Route, Helena, MT 59601

Status: Producing, developing

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

2835 Woodland St., Missoula, MT 59801

Status: Produced

SHALE PITS

CASCADE COUNTY: Great Falls 59401

*TREASURELITE PIT Expanded shale
Sec. 13, T. 21 N., R. 3 E.
Owner-Operator: Treasurelite, Div. Treasure State
Industrial Products, Inc.
Box 2750, Great Falls, MT 59401
Status: Produced

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
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.
Operator: Industrial Chemical, Div. Stauffer
Chemical Co.
Box 3146, Butte, MT 59701
Status: Producing

DEER LODGE COUNTY: Anaconda 59711

*LUKE QUARRY Metallurgical silica
Blue Eyed Nellie dist., NW¼ sec. 24, T. 5 N., R. 12 W.
Operator: Montana Ores, Inc.
110 W. Third St., Anaconda, MT 59711
Owner: The Anaconda Co.
Butte, MT 59701
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: Produced

SILICA MINES AND QUARRIES—Continued**MINERAL COUNTY: Superior 59872****M & C CLAIMS Silica**

Sec. 2, 3, T. 14 N., R. 26 W.

Operator: Victor Wright

Box 233, Alberton, MT 59820

Owner: Victor Wright and others

Box 233, Alberton, MT 59820

Status: Developing

SOIL CONDITIONERS**BEAVERHEAD COUNTY: Dillon 59725*****PEAT LEASE Peat**

Sec. 16, 20, T. 4 S., R. 16 W.

Operator: Intermountain Peat Moss Corp.

John M. Peart, Pres.

Box 2285, Salt Lake City, UT 84110

Owner: Columbia Beneficial Holdings, Ltd.

203 - 14th St., Vancouver, B.C., Canada

Status: Inactive

LAKE COUNTY: Polson 59860***HOWARD W. MARTIN PEAT Peat**

Sec. 16, 17, T. 24 N., R. 17 W.

Owner-Operator: Martin's Peat & Potting Soils

Howard W. Martin

Swan Lake, MT 59911

Employees: 1

Status: Produced

STONE QUARRIES**CARBON COUNTY: Red Lodge 59068*****DEADMAN QUARRY Ornamental stone**Sec. 1, 12, 13, T. 8 S., R. 28 E.; sec. 26, 35, T. 7 S.,
R. 28 E.

Operator: Montana Marble, Inc.

1813 Broadwater, Billings, MT 59101

Employees: 5

Mill capacity: 30 t/d

Status: Produced, developing

*Open pit

STONE QUARRIES—Continued**CASCADE COUNTY: Great Falls 59401**

***FORZLEY SALES, INC., QUARRIES** Building stone
Four miles south of Monarch
Owner-Operator: Forzley Sales Co.
Box 2070, Great Falls, MT 59401
Status: Producing

FERGUS COUNTY: Lewistown 59457

***SURPRISE STONE QUARRY** Ornamental stone
Sec. 32, 33, T. 14 N., R. 22 E.
Owner-Operator: Charles B. Allen
Box 117, Grassrange, MT 59032
Status: Producing

FLATHEAD COUNTY: Kalispell 59901

***FLATHEAD SUNSET QUARRY** Building stone,
pozzolan, volcanic ash
Sec. 24, T. 25 N., R. 24 W.; sec. 34, T. 25 N., R. 24 W.
Owner-Operator: Henry Lozeau
535 Ford, Missoula, MT 59801
Status: Inactive

GALLATIN COUNTY: Bozeman 59715

***PICTURE FLAGSTONE QUARRY** Picture flagstone
Sec. 29, T. 2 N., R. 4 E.
Owner-Operator: Orie B. McElwee
Box 474, Manhattan, MT 59741
Status: Inactive

MADISON COUNTY: Virginia City 59755

***WHITE ANGEL QUARRY** Onyx marble
Tidal Wave dist., sec. 27, T. 3 S., R. 5 W.
Owner-Operator: Utah Calcium
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.
Garrison, MT 59731
Owner: Burlington Northern, Inc.
St. Paul, MN 55101
Employees: 15
Mill capacity: 200 t/hr
Status: Producing

*Open pit

STONE QUARRIES—Continued**PARK COUNTY: Livingston 59047*****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: D. A. Strong
 711 E. Park, Livingston, MT 59047
 Employees: 10-20
 Status: Developing

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

Ornamental stone
 Sec. 7, T. 12 N., R. 21 W.
 Owner-Operator: Henry Andrews
 Box 274, Route 1, Hamilton, MT 59840
 Status: Produced

SANDERS COUNTY: Thompson Falls 59873***FISHTRAP QUARRIES Ornamental stone**

Sec. 23, 26, T. 24 N., R. 28 W.
 Owner-Operator: U. C. Campbell
 Box 427, Thompson Falls, MT 59873
 Status: Producing

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

Stone Creek dist., sec. 11, 14, T. 7 S., R. 6 W.
 Owner-Operator: United Sierra Division
 Cyprus Mines Corp., Box 1201, Trenton, NJ 08618
 Employees: 4
 Status: Producing

***REGAL MINE Talc**

Sweetwater dist., N½ sec. 2, T. 8 S., R. 7 W.
 Owner-Operator: Chas. Pfizer & Co.
 Box 1147, Dillon, Mt 59725
 Employees: 2
 Status: Produced

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

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

*Open pit

***SNOW CAP MINE Talc**

Owner-Operator: W. M. Cocanougher
 Twin Bridges, MT 59754
 Mill capacity: 30,000 t/d
 Status: Developing

***TALC RIDGE (RUBY) GROUP Talc**

Willow Creek dist., sec. 30, T. 8 S., R. 3 W.
 Operator: Madison Minerals Corp.
 c/o C. W. Hafer, Sr., 1967 Yale, Butte, MT 59701
 Owner: Carl Garrison and others
 1967 Yale, Butte, MT 59701
 Employees: 2-3
 Status: Producing, developing

TALC MINES—Continued**MADISON COUNTY—Continued*****TREASURE STATE MINE Talc**

Stone Creek dist., NE¼ NE¼ sec. 15, T. 7 S., R. 6 W.

Owner-Operator: Chas. Pfizer & Co.

Box 1147, Dillon, MT 59725

Employees: 2

Status: Produced

***YELLOWSTONE (CAMERON) MINE Talc**

Johnny Gulch dist., sec. 4, T. 9 S., R. 1 W.

Owner-Operator: United Sierra Division

Cyprus Mines Corp., Box 1201, Trenton, NJ 08618

Employees: 4

Status: Producing

VERMICULITE MINES**LINCOLN COUNTY: Libby 59923*****VERMICULITE MOUNTAIN MINE Vermiculite**

Rainy Creek dist., sec. 14, 15, 22, 23, T. 31 N.,

R. 30 W.

Owner-Operator: Construction Products Division

W. R. Grace & Co.

62 Whittemore Ave., Cambridge, MA 02140

Employees: 160

Mill capacity: 3,000 t/d

Status: Producing

MADISON COUNTY: Virginia City 59755***GILLIAM VERMICULITE DEPOSIT Vermiculite**

Mineral Hill dist., sec. 25, T. 1 S., R. 3 W.

Operator: W. G. Forbes and Emmett Clary

Pony, MT 59747

Owner: Celesta Gilliam

Cardwell, MT 59721

Status: Developing

PART 3, COAL MINES**BIG HORN COUNTY: Hardin 59034**

***ROSEBUD TONGUE RIVER MINE** Coal
Owner-Operator: Rosebud Coal Sales Co.
Box 724, Sheridan, WY 82801
Status: Inactive

BLAINE COUNTY: Chinook 59523

MILK RIVER MINE Coal
Owner-Operator: Lauren Sargent
Box 472, Chinook, MT 59523
Status: Inactive

CUSTER COUNTY: Miles City 59301

STORM KING MINE Coal
Operator: Ralph E. Bair
Box 113, Miles City, MT 59301
Status: Inactive

DAWSON COUNTY: Glendive 59330

PEUSE MINE Coal
Sec. 13, T. 16 N., R. 53 E.
Owner-Operator: Gordon Peuse
Lindsay, MT 59339
Status: Inactive

McCONE COUNTY: Circle 59215

NO. 1 MINE Coal
Operator: R. S. Stephenson Estate
Circle, MT 59215
Status: Inactive

MUSSELSHELL COUNTY: Roundup 59072

BLUE FLAME MINE Coal
Sec. 23, T. 6 N., R. 26 E.
Owner-Operator: Victor Carlson and Jack H. Carlson
Box 342, Roundup, MT 59072
Employees: 7
Mill capacity: 100 t/d
Status: Producing

COW CREEK MINE Coal
Sec. 9, T. 6 N., R. 28 E.
Owner-Operator: George Badovinus
Klein Star Route, Roundup, MT 59072
Status: Developing

***CONSOLIDATION MINE** Coal
Sec. 33, T. 8 N., R. 26 E.
Operator: Consolidation Coal Co.
644 Grand Ave., Billings, MT 59101
Status: Inactive

DIVIDE MINE Coal
Sec. 23, T. 6 N., R. 26 E.
Operator: Divide Coal Mining Co.
Roundup, MT 59072
Owner: Victor Carlson
Box 342, Roundup, MT 59072
Employees: 6
Status: Producing

COAL MINES—Continued**MUSSELSHELL COUNTY—Continued**

JOHNNY'S MINE Coal
Sec. 15, T. 7 N., R. 26 E.
Owner-Operator: Johnny Keosky
1011 - 1st St., Roundup, MT 59072
Status: Inactive

NIES MINE Coal
Sec. 21, T. 8 N., R. 25 E.
Operator: Nies Coal Co.
Roundup, MT 59072
Owner: William F. Nies
Roundup, MT 59072
Employees: 7
Status: Produced, developing

P and M MINE Coal
Sec. 13, T. 6 N., R. 27 E.
Owner-Operator: Paul Meged
Gould Creek Route, Roundup, MT 59072
Status: Producing

***SQUARE DEAL MINE** Coal
Sec. 16, T. 8 N., R. 25 E.
Owner-Operator: Virgil Cross
220 - 7th St. W., Roundup, MT 59072
Employees: 1
Status: Produced

WESTERN MINE Coal
Operator: Glenn Johnson
Roundup, MT 59072
Status: Inactive

POWDER RIVER COUNTY: Broadus 59317

COAL CREEK MINE Coal
Operator: John Schoonover
Box 94, Ashland, MT 59003
Status: Produced

RICHLAND COUNTY: Sidney 59270

***KNIFE RIVER MINE** Coal
Operator: Knife River Coal Mining Co.
Savage, MT 59262
Employees: 19
Status: Producing

ROSEBUD COUNTY: Forsyth 59327

***BIG SKY MINE** Coal
Owner-Operator: Peabody Coal Co.
Colstrip, MT 59323
Employees: 45
Status: Producing

***ROSEBUD NO. 6 MINE** Coal
Operator: Western Energy Co.
Colstrip, MT 59323
Owner: The Montana Power Co.
Butte, MT 59701
Employees: 115
Status: Producing

*Open pit

PART 4, THE MINERAL INDUSTRY OF MONTANA IN 1972

MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C. 20240



Rogers C. B. Morton, Secretary

Elburt F. Osborn, Director

For information call J. R. Welch
Telephone: 703-557-1158

Annual, Preliminary

THE MINERAL INDUSTRY OF MONTANA IN 1972

In 1972, Montana's mineral production was valued at \$324 million, an increase of 14 percent compared with the 1971 value, according to the Bureau of Mines, U.S. Department of the Interior. There were substantial increases in production of copper, gold and silver, primarily due to absence of strikes. Copper accounted for 38 percent of Montana's total mineral production value in 1972 as compared with 32 percent in 1971.

Outputs of most nonmetallic minerals were up, although production of stone was down slightly; cement declined in both tonnage (12 percent) and value (9 percent).

Petroleum production decreased 2 percent and value was slightly less than in 1971; crude oil accounted for 32 percent of total mineral production value in 1972. The value of coal production rose 25 percent to an estimated \$16 million, while natural gas increased 41 percent in value.

During the year The Anaconda Company announced cessation of zinc operations in the State. On August 13, 1972, the last operating zinc unit at The Great Falls plant was shutdown. Closure marked an end to zinc metal production which had its beginning in June 1909.

Interest grew in use of low sulfur coal in eastern Montana as a source of electric energy. The Montana Power Company announced that the proposed steam-electric generating plant at Colstrip, Mont. will be doubled in size from the initially planned 350,000 kilowatts by 1975, to 700,000 kilowatts by 1976. This will be a joint venture between the Montana Power Company and Puget Sound Power and Light Co. of Bellevue, Wash. It was estimated the proposed complex of two minesite 350,000-kilowatt plants will burn 2.5 to 3.0 million tons of coal annually. The Air Quality Bureau of the Montana Department of Health and Environmental Sciences has prepared a draft Impact Statement on the proposed project.

Increasing interest in Montana for oil and gas was indicated by exploration crews active in 19 counties. During the year "wildcatting" for oil and gas was at an alltime high in Montana. Widely spread areas were reported undergoing exploration.

The administering agency of Montana's mine-land reclamation laws drafted a new reclamation bill for submission to the 1973 Legislature. The bill is titled "The Montana Reclamation Act."

Prepared December 21, 1972, in the Division of Nonferrous Metals.

TABLE 1. - Mineral production in Montana 1/

Mineral	1971		1972 p/	
	Quantity	Value (thousands)	Quantity	Value (thousands)
Antimony-----short tons--	135	881	155	W
Clays-----thousand short tons--	<u>2</u> /264	<u>2</u> /1,712	<u>2</u> /303	<u>2</u> /1,866
Coal (bituminous and lignite)-----do-----	7,064	12,817	8,000	16,000
Copper (recoverable content of ores, etc.)-----short tons--	88,581	92,125	121,685	124,605
Gem stones-----	NA	114	NA	120
Gold (recoverable content of ores, etc.)-----troy ounces--	15,613	644	20,850	1,215
Iron ore (usable)-----thousand long tons, gross weight--	14	W	W	W
Lead (recoverable content of ores, etc.)-----short tons--	615	169	150	45
Lime-----thousand short tons--	199	2,416	205	2,490
Manganese ore and concentrate (35% or more Mn)-----short tons, gross weight--	142	W	400	W
Natural gas-----million cubic feet--	32,720	3,959	40,000	5,600
Peat-----thousand short tons--	W	W	1	W
Petroleum (crude)-----thousand 42-gallon barrels--	34,599	104,128	33,900	102,378
Sand and gravel-----thousand short tons--	15,781	25,207	16,570	26,467
Silver (recoverable content of ores, etc.)-----thousand troy ounces--	2,748	4,248	3,467	5,790
Zinc (recoverable content of ores, etc.)-----short tons--	361	116	--	--
Value of items that cannot be disclosed: Cement, clays (bentonite 1970 and fire clay 1971), fluorspar, gypsum, natural gas liquids, phosphate rock, stone, talc, tungsten, vermiculite and values indicated by symbol W-----	XX	37,337	XX	37,247
Total-----	XX	285,073	XX	323,823

p/ Preliminary. NA Not available. W Withheld to avoid disclosing individual company confidential data.

XX Not applicable.

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

2/ Excludes fire clay; included with "Value of items that cannot be disclosed."

SUPPLEMENTAL LIST OF MINING ENTERPRISES

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

BEAVERHEAD COUNTY

Canyon Creek and East LaMarche	I 1970
Diadem group (Arnold)	U 1970
Faithful	I 1970
Queen of the Hills 1, 2, 3, and 4	U 1970
Silver Belle group	I 1970

BROADWATER COUNTY

Jeanette	U 1970
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CASCADE COUNTY

Dacotah	I 1970
Mogul lode	U 1970

DEER LODGE COUNTY

Pyrite	I 1970
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FERGUS COUNTY

Barnes-King and Kendall	I 1970
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FLATHEAD COUNTY

Sanko Creek	U 1970
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GALLATIN COUNTY

Karst	D 1970
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GOLDEN VALLEY COUNTY

R.K.R. pit	I 1970
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GRANITE COUNTY

Big Expectation	U 1970
Elk-Moose	U 1970
Gold Reef	U 1970
Granite Bi-Metallic	U 1972
Hawkeye	I 1969
Hobo	I 1969
Hope tailings	I 1969
Mountain Boy	I 1969
Myers quartz	I 1969
Nancy Hanks, Dewey, Mitchell, and Mussigbrod	I 1970
Sally Ellen	I 1970
September	U 1970
Sunset placer	U 1971
Sweet Home	U 1970
Van Dorstan	U 1972

HILL COUNTY

Rocky Boy quartz deposit	I 1969
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JEFFERSON COUNTY

Alta	U 1970
B and G	U 1970
Carlson prospect (North Boulder group)	I 1970
Elkhorn Queen	I 1970
Eva May	I 1970
Hardmore group	U 1970
Kyler silica deposit	I 1970
Little Goldie	I 1972

JEFFERSON COUNTY—Continued

Lotta	U 1970
Mammoth	I 1972
Silver Hill	U 1970
Silver Queen	I 1970
Sunnyside	I 1970

JUDITH BASIN COUNTY

Ralph Modic pit	I 1971
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LEWIS AND CLARK COUNTY

Come Again and Crown group	U 1970
Consolidation	I 1972
Empire	U 1970
Free Speech	U 1970
Miljour-Violet Jane	U 1972

LINCOLN COUNTY

Iron Mask	U 1970
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MADISON COUNTY

Black Ace	I 1970
Kearsarge	U 1970
Silver Queen	I 1970
Uncle Sam	U 1970

MINERAL COUNTY

Last Chance	I 1972
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MISSOULA COUNTY

Hidden Treasure, Cape Nome	I 1972
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PARK COUNTY

W. M. Clayton placer	I 1972
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POWELL COUNTY

Master placer	U 1972
Price group	U 1970

RAVALLI COUNTY

Whipperwill	I 1972
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RICHLAND COUNTY

Bemer	U 1971
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ROSEBUD COUNTY

Lame Deer	U 1970
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SANDERS COUNTY

Sales	I 1972
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SHERIDAN COUNTY

Acme	I 1970
Lagerquist	I 1970

SILVER BOW COUNTY

Badger	I 1970
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YELLOWSTONE COUNTY

Montana shale pit	I 1970
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LIST OF NEW MINING COMPANIES INCORPORATED IN MONTANA IN 1972

BEAR GULCH DEVELOPMENT COMPANY

Leonard J. Haxby
120 W. Granite, Butte, MT 59701

BON CHANCE, INC.

William G. Mouat
805 Midland National Bank Bldg.
Billings, MT 59101

CORMORANT CORP.

C. T. Corporation System
406 Fuller Ave., Helena, MT 59601

IDAMON RESOURCES, INC.

John A. Chambers
Star Route 1, Libby, MT 59923

IVERSON, INC.

Robert G. Anderson
153 Main St., Shelby, MT 59474

KOOCANUSA METALS CORPORATION, INC.

Louis L. Burrell, Jr.
Kootenai Mercantile Bldg.
California Ave. and 4th St.
Libby, MT 59923

NORWEGIAN GOLD & DEVELOPMENT CORP.

Edward F. Maroncelli
327 N. Wyoming St., Butte, MT 59701

N.R.G. COMPANY

Jase O. Norsworthy
500 Securities Bldg., Billings, MT 59103

PRECIOUS METALS, INC.

Leonard J. Haxby
120 W. Granite, Butte, MT 59701

SCRATCH GRAVEL PROPERTIES, INC.

George T. Bennett
Suite A, 406 Fuller Ave., Helena, MT 59601

SHANNON PARK CORP.

Vernon L. Moulton
131 Birch Rd., Kalispell, MT 59901

THADCO

Edward Thatcher
P.O. Box 12, Stanford, MT 59479

U.S. EXPLORATION & DEVELOPMENT, INC.

Waldo Pust
Savage, MT 59262

WOLVERINE MINING, INC.

Thomas H. Mahan
Room 304, Union Bank Bldg., Helena, MT 59601

INDEX OF MINES, MINE OWNERS, AND OPERATORS

Abbott, G. S.	7	Beer-Henke placer	28
Adams, Owen	4	Bellview mine	19
Adele mine	12	Belue, Travis	16, 17
Agitator mine	14	Belus, M. L.	3
Ajax mine	2	Bennetts, Harry, Estate	17
Alameda and Bamboo Chief mine	14	Bennett, Carroll R.	6
Alameda Metals, Inc.	14	Bennett, George T.	45
Allen, Charles B.	37	Bennett, Richard C.	6
Allman, Glenn	12	Berg, Carl	17
All placer	27	Bergloff, C. L.	6
Alturas mine	6	Berglund, Forest	6
Amazon (Red Fir) mine	22	Berkeley pit	23
American Boy (North Gould group) mine	12	Bessie and Golden Wave mine	14
American Colloid Co.	29	Betty placer	28
American Colloid pit	29	Beverly claim	14
American Sapphire Gem mine	34	Big Eight, Inc.	14
Anaconda Company, The	6, 7, 23, 32, 35	Big Eight mine (Cabinet lease)	14
Anderson and Antonioli	12	Big Horn Calcium Co.	32
Anderson, Robert G.	45	Big Horn Limestone Co., The	32
Anderson, Warm Springs Creek (Brock) mine	33	Big Sky 1 and 2 mine	14
Andrews, Henry	38	Big Sky mine	41
Anliker, Nickolus F.	28	Big Tom mine	15
Antonioli and Anderson	12	Big West Resources	3, 4
Antonioli, Frank	8, 23	Bins mine	15
Antonioli, Peter J. and Sons	6	Bissell, Frank	23
Apex mine (Deer Lodge Co.)	6	Bitterroot Valley stone quarry	38
Apex (Climax Lode group) mine (Silver Bow Co.)	23	Black Bull mine	6
Aquarius mine	9	Black Canyon placers	26
Argenta Porphyry group	2	Blackhawk and Summit (Old Summit) mine	5
Argenta Silver Development Co.	3	Black Pine tailings	8
Argo, Rex, Copper Queen group	5	Black Traveler and Buloring mines	17
Ashcroft, Mrs. Mabel	22	Black and White Mining Co.	8
Associated Minerals Exploration	13	Bluebird group	5
Atlantic Pacific mine	14	Blue Bird mine (Granite Co.)	8
Aune, Leif	24	Blue Bird mine (Lewis and Clark Co.)	12
Babbit mine	2	Bluebird No. 1 and 2 placer	27
Badger No. 1 and No. 2 mines	14	Blue Creek (Lucky Star) mine	21
Badovinus, George	40	Blue Eyed Annie mine	2
Bair, Ralph E.	40	Blue Flame mine	40
Bamboo Chief and Alameda mine	14	Blue Grouse group	7
Bar group	19	Blue Jay and Star claims	14
Barmont Mines, Inc.	11	Blue Mountain Mines, Inc.	15
Basin Quartz quarry	35	Blue Nose mine	24
Batterman, E. H.	11	Blue Sky Mining Corp.	3
Bauska, Glen	7	Bobby Boy mine	12
Bauska, Glen and others	7	Boeh, Omer H.	3
Bear Gulch Development Co.	26	Bonanza group	17
Bear Gulch placer	26	Bonanza mine	5
Bearpaw Development Co.	4	Bon Chance, Inc.	45
Beaver, Raymond L.	11	Bork, John C.	9
Beaverhead mine	38	Boulder-Cobalt mine	15
		Box, Fred	14

Boyce, Stanley L.	10	Carla, Pauline and Faith group	10
Brady, J. V.	4	Carlson, Jack H.	40
Brazil Creek Bentonite Co.	29, 30	Carlson, Victor	40
Brazil Creek pit (Phillips Co.)	29	Carruthers, David, and others	21
Brazil Creek pit (Valley Co.)	30	Carver tailings	23
Broadgauge Mine, Inc.	17	Casper, James A.	12
Broadwater and Moulton mine	6	Chambers, Al	14
Brock (Anderson, Warm Springs Creek) mine	33	Chambers, John A.	45
Broken Hill mine	21	Champion Silver mine	6
Brooklyn and D.G. mine	8	Champion Silver Mining Co.	6
Brooks, J. C.	22	Chas. Pfizer & Co.	38, 39
Brooks, J. C., and others	22	Chausee, Wil	34
Brown, Alan D.	5	Clary, Emmett	16, 39
Brown, Claude H.	4	Clavish, Kenneth W.	34
Browns quarry	32	Clendennin Mines, Inc.	12
Bryan mine	17	Cleve-Avon and Franklin mine	3
Bubany placer	27	Climax (Apex) Lode group	23
Bubany, Tony	27	Clopton, Earl	14
Buglar Creek mine	17	Coal Creek mine	41
Bullion mine	9	Cobalt-Boulder mine	15
Bullion and Hope mine	10	Cocanougher, W. M.	38
Bullock, Delbert	10	Coffee Pot lode	33
Bullock, D. M.	9	Collins, Nancy	22
Buloring and Black Traveler mines	17	Colony open pits	29
Buloring Mining Co.	17	Colorado tailings	23
Buls, Charles P.	17	Columbia Beneficial Holdings, Ltd.	36
Bumblebee mine	15	Comanche Extension mine	8
Burchak, Alex J., and others	16, 17	Comet group	3
Burgierosa mine	2	Cominco American, Inc.	33
Burlington Northern, Inc.	37	Commonwealth group (Calvin mine)	15
Burnham, Dean C.	7	Commonwealth Lead Mining Co.	15
Burns, E. L.	27	Confident, Radar, Castle 1 & 2 placer group	26
Burns, Larry	27	Consolidation Coal Co.	40
Burns, William L.	22	Consolidation mine	40
Buschmann, August, Estate	8	Construction Products Div., W. R. Grace & Co.	39
Buster mine	2	Contact Mining Co.	9
Butler, M. M.	21	Coolidge mine	3
Byam, Charles	9	Cope, Kenneth	17
Byam, Norman	9	Cope, Vincent	5
Byrd, John	5	Copper Bowl mine	12
Cabinet lease (Big Eight mine)	14	Copper group	19
Cableway group	14	Copper Hill mine	23
Cadgie and Taylor lease	8	Copper Queen, Argo, and Rex group	5
Calico clay pit	31	Cormorant Corp.	45
Callantine, Oran	15	Cottontail mine	3
Calvert mine	25	Cottonwood mine	6
Calvin mine (Commonwealth group)	15	Cottonwood Silver Mining Co.	6
Cameron (Yellowstone) mine	39	Counts, J. H.	19
Campbell, U. C.	38	Cow Creek mine	40
Camp Robber placer	27	Cox, Clifford V. and Joyce M.	12
Canyon Creek quarry	35	Craig placer group	28
Cape Nome mine	12	Craig, H. C., and Co.	28
Carbonate mine	3	Crescent mine	10
		Cripe, Donald C. and Marie	14

Cripe, Donald C., and others	22	Elstone, Earl F.	22
Croff and Montague	12	Emery Ridge (Pikes Peak) lease	33
Cross, Virgil	41	Emma mine	15
Crystal mine	10	Erickson, Clarence J.	12
Crystal Mines, Inc.	10	Evening Star mine	12
Crystal Mountain mine	31		
C. T. Corporation System	45	Fairview mine	20
Curlew mine	21	Faith Mining Co.	12
Cyprus Mines Corp., United Sierra Div.	38, 39	Farnsworth, R. B.	16
		Favero, Josephine A.	10
Dale, Hal	16	Fay, Fergus	12
Dalton, C. K.	12	Federal Bentonite Co.	30
Dan No. 1 and 2 and Nelson mines	20	Federal Reserve group	7
Davenport, R. E.	28	Fifield, Richard	2, 14, 24
Davis, Frank	12	First Trust Company of Montana	7
Deadman quarry	36	Fishtrap quarries	38
Deadwood (McCarthy) deposit	31	Flathead Sunset quarry	37
Dean, William J., Jr. and Son	26	Flathead and West Flathead mine	7
Death Valley Tungsten	27	Florence mine	6
deBarathy, Sidney A.	22	Flynn, William F.	8
Dee Mines	21	Foote, W. B.	14
Dettwiler Bros.	22	Forbes, W. G.	14, 39
Development Operating Corp.	10	Forks mine	15
Dillsworth and Smith	13	Forzley Sales Co.	37
Dirty Muzzler mine	15	Forzley Sales Co. quarries	37
Divide Coal Mining Co.	40	Four Up group	22
Divide mine	40	Four V's claim	34
Dividend Lode mine	15	Frances mine	19
Dix, Wesley	20	Franklin and Cleve-Avon mine	3
Dixon, James R.	21	Franklin mine	12
Dolly Quartz (New Seattle) mine	9	Franklin, W. J.	15
Dominic group	2	Frank Realty Co.	19
Doornbos, G.	14	Frederick group	22
Doornbos, Gene A., and others	14	Free Enterprise Uranium-Radon mine	26
Downs, Willie	18	Freezeout Pass mine	18
Duval, Frank	27	Frida Marie claim	15
		Frisbee, Clarence	12
East Coeur d'Alene silver mine	18	Frisbee Stemple group	12
East Coeur d'Alene Silver Mines, Inc.	18	Frostbite deposit	29
Easton-Pacific Co. and Riverside Mining Corp.	15	Frost, Bill	29
Easton-Pacific mine	15		
East Ridge group	10	Garnet placer	26
Easy Money group	10	Garrand, Leonard	4
Ebbett, H. W.	21	Garrett, Eugene	9
Ebbett, H. W., and others	21	Garrison, Carl, and others	38
Eddy Creek mine	22	Gavin placer	31
Edelweiss mine	10	General Electric Co.	25
El Dorado Bar sapphire diggings	34	Gildersleeve, George	28
Eldorado, Inc.	34	Gildersleeve, G. M.	17
Elkhorn mine	10	Gilliam, Celesta	39
Elkhorn Mining Co.	26	Gilliam vermiculite deposit	39
Elling Estates Co.	14	Gillman, Vernon	33
Elliston Consolidated group	20	Given, Chester A.	4
Elliston Consolidated Mining Co.	20	Glasgow pits	30

Gleason, R.	5	Hayworth, Ross	12
Glengarry (White) claims	19	Hazel group	15
Glittering Hill mine	8	H. C. Craig and Co.	28
Gluck, George S.	2	Heaney, Ethel C.	9
Gold Bug-Little Ben mine	20	Heaney, P. J., Sr.	9
Gold King mine	8	Heath (Shoemaker) mine	32
Golden Assets mine	10	Hecla group	3
Golden Curry (Sourdough) mine	10	Heidelberg mine	22
Golden Roc mines	22	Heidelberg Mining Company of Montana	22
Golden Roc Mines Co.	22	Helehan, Tom	23, 24, 31
Golden Wave and Bessie mine	14	Helena Minerals Co., Inc.	12, 13
Gold Reserve Mining Co.	20	Helterline, R. L.	18
Goldsmith mine	3	Hemlock mine	18
Goldsmith Mining Corp.	3	Henke-Beer placer	28
Goldstream Mining Co.	15, 16	Henke, Donald N.	28
Goodson Mining Co., Levine Enterprises	3	Herbert group	14
Goodview mine	3	Hidden Hand mine	20
Gopher Hole mine	22	Hidden Hand Mining, Inc.	20
Grace, W. R., and Co.	39	Hidden Treasure mine	15
Graham, Mrs. Donald A.	18	Highland mine	21
Granite tailings	8	Highsmith, Joe	27
Grass Hopper claims	3	Hillside Mines, Inc.	22
Gray Rock mine	12	Hill Top mine	15
Great Eastern mine	6	Hinkle, Joe	13
Green Campbell mine	15	Hoekema, Roy	3
Green Lizard mine	3	Holladay, R. L.	17
Green Mountain mine	22	Holliday mine	22
Green Mountain Mining Co.	22	Holly No. 1 mine	8
Greenstone mine	25	Holter Estate	10
Ground Hog mine	3	Hope and Bullion mine	10
		Hope group	19
Haab, Albert	11	Hopkins, J. F.	20
Hafer, C. W., Sr.	38	Horn Silver mine	3
Hagman, William	11	Horton, Chester G., Jr.	15
Hahn, Oscar	18	Howard W. Martin peat	36
Haigh, Maurice R.	27	Humbolt mine	10
Haine, Hazel H.	15	Hunter, James R.	9
Hall, William A. "Bill"	10		
Hallett Minerals Co.	29, 30	Ida A. placer	28
Hallett Minerals pit (Rosebud Co.)	30	Idaho-Cibola Mining Co.	14
Hallett Minerals pit (Treasure Co.)	30	Idamon Resources, Inc.	45
Hamilton Mines, Inc.	17	Ideal Cement Co.	32
Hampton, Mrs. Reba	5	Illini mine	13
Hand, John, Estate	3	Incline mine	20
Hand mine	3	Independent mine	13
Hand, William	3	Industrial Chemical, Div. Stauffer Chemical Co.	35
Hard Luck mine	20	Ingersol group	3
Hard Luck Mines	20	Intermountain Deaconess Home for Children	23
Hart, E. W.	3	Intermountain Peat Moss Corp.	36
Hatta and Magnet mines	8	International Minerals and Chem. Corp.	22
Hatton, Clifford	21	Iron Cross mine	24
Hatton, Clifford, and others	21	Iron King mine	24
Haxby, L. J.	26, 27	Iverson, Inc.	45
Hayes, Milton E.	4		

Jack Rabbit mine	15	Klondyke mine	10
Jackson, A. G.	33	K & N Minerals	19
Jackson, Drew	11	Knife River Coal Mining Co.	41
Jackson mine	33	Knife River mine	41
Jackson, R. P.	29	Knopf, Vern C.	13
Janney Construction Co., Inc.	37	Knowlson, James S., V	23
Janney Trucking Co., Inc.	33	Kohl, Charles W.	12
January mine	5	Kolstad, Henry	20
January Mining Co.	5	Koocanusa Metals Corp., Inc.	45
Janus Mining Co.	16	Kruger, Mrs. Marion R., and others	22
Jaslowski, George	27	Kuebler, Ed	11
Jay Gould and Stemple mines	13	Kuhnhausen, C. L.	7
Jay Kay, Inc.	31	Kurth, Arthur	26
Jay Kay mine	31		
Jefferson Creek placer	28	Lamplighter group	3
Jeff group	22	Langstaff, George	2
Jenkins, Clayton	2	Langstaff, Kenneth	3, 4
Jenkins, Ivor, and others	10	Last Chance mine	25
Jenlo mines	19	Laura Apex group	22
Jib mine	10	Lawrence, John C.	2
Jo Dandy mine	5	Layton, John A.	16
Johnny's mine	41	L. C. L. Corp.	21
Johnson, Chester	18	Leadville mine (Beaverhead Co.)	3
Johnson, Edward A.	5	Leadville mine (Jefferson Co.)	10
Johnson, Mrs. Fern	20	Leber Mining Co.	10
Johnson, Glenn	41	Lehwalder, L. W.	8
Johnston Moffet group	16	Leighton, R. W.	15
Johnston Estate, The	16	Leirness, Chester	12, 13
Jones, D. L.	20	Lenling, Lawrence, and others	7
Jumper claims	16	Leonard mine	23
Jupiter Mining Co.	17	Leprechaun placer	28
		Levine Enterprises, Goodson Mining Co.	3
Kady Gulch group	10	Lewis, Wade V.	26
Kaiser Bros.	8	Lewistown Brick & Tile Co.	30
Kaiser Cement Co.	33	Lewistown pit	30
Kaiser Cement & Gypsum Corp.	33	Lexington mine	6
Kaiser, H. B.	8	Lexington Silver-Lead Mining Co.	6
K & K mine	18	Liberty mine	12
Kannegaard, Charles L.	18	Lince, Glen	21
Kanta pit	35	Lincoln View mine	13
Kanta Products, Inc.	35	Linda mine	4
Karvonen, John	18	Linda Kay mine	20
Karvonen, John, and others	18	Lindbom, Waino	7
Keith, Lynn	22	Lindquist, Enard A.	21
Keller, Paul	11	Little Ben-Gold Bug mine	20
Kelley mine	23	Little Emma mine	8
Kennedy, Carl	25	Little, R. F.	8
Kent, Kenneth B.	15	Little Rockies Mining & Development Co.	20
Keosky, Johnny	41	Little Sallie and May mine	11
Kibbe & Co.	15	Lively's, Inc.	23
King, James	15	Liverpool dump	11
Kirkeberg, Knute	14	Liverpool Mining Co.	11
Kitson, Roy	32	Livingston marble and granite quarry	38
Klondyke Gold Mines, Inc.	10	Livingston Marble and Granite Works	38

Logger claims group	21	McEachron, Daniel	11
Loobey, Allen	7	McElwee, Orie B.	37
Loomis mine	5	McLane, Larry A.	8
Loomis, Robert	5	McLaughlin, Jim	15, 17
Lowery, Bill	5	McQuarrie quarry	37
Lozeau, Henry	37	Meadow mine	11
Lucky Dollar mine	17	Meged, Paul	41
Lucky Jim Beam group mine	29	Metesh, Joe	8
Lucky Karen placer	27	Mickey mine	9
Lucky Linda mine	13	Midnite Mines, Inc.	4
Lucky Star (Blue Creek) mine	21	Milk River mine	40
Lucky Star Mining Co.	21	Miller, John	2
Lucky Strike mine (Beaverhead Co.)	4	Miller, W. K.	11
Lucky Strike mine (Sanders Co.)	22	Mineral King mine	18
Luke quarry	35	Mineral King Mining Co.	18
Lupine mine	24	Mine Sales & Evaluators	15
Lutzenhiser, Earl	10	Minnehaha & Horseshow group	6
Lycoming mine	8	Minnick mine	18
Lykins, Betty	2	Minnick, Ray	18
		Mo, Hans	13
MacCalman, R. J.	9	Molly 1, 2, 3, 4, and 5	24
MacPherson, Mrs. K. W.	9	Monarch mine	20
Madison, Fred K.	10	Monarch Minerals, Inc.	20
Madison Minerals Corp.	38	Montague & Croff	12
Maehl, Grace	9	Montana City quarry	33
Magnet and Hatta mines	8	Montana Marble, Inc.	36
Magnetite group	19	Montana Mining & Development Co.	6
Magnus, John	16	Montana Ores, Inc.	35
Mahan, Thomas H.	45	Montana Power Co., The	41
Maiden Creek copper mine	4	Montana Western Mining Co.	20
Maloney, Sam	38	Monte Christo mine	13
M & C claims	36	Montgomery and San Miguel mine	12
Manger group	5	Montgomery, W. C.	7
Manger, Mary Ann	5	Montro gold mines	22
Marie and Vera mines	11	Moonlight mine	9
Marion mine	31	Moose Trail mine	9
Marion Mines	31	Morgan, Hazel, and others	24
Marker, Gene	9	Morgan, James M.	6
Maroncelli, Edward F.	45	Morning Star mine (Cascade Co.)	6
Maronick Construction Co., Inc.	33	Morning Star mine (Madison Co.)	16
Maronick, E. P.	33	Morris, A. B., and others	13
Martin, Howard W. (peat)	36	Morris, Bud	14
Martin's Peat & Potting Soils	36	Morse, H. E.	2
Mascot Silver Lead Mines, Inc.	10, 11	Moser, A. A.	15
May and Little Sallie mine	11	Motley, Dean	21
McBride, Mrs. G. V. R.	12	Mouat mine	23
McCabe, Mrs. Mary L.	8, 25	Mouat, William G.	45
McCarthy (Deadwood) deposit	31	Moulton and Broadwater mine	6
McCarthy, Tim	31	Moulton, Vernon L.	45
McCarthy, Tim, and others	31	Mountain Con mine	23
McClellan quarry	33	Mountain Flower mine	16
McCord, Richard	26	Mountain Queen mine	11
McDonnell, Michael A.	28	Mountain View mine	5
McDonnell, Patrick J.	28	Mueller, Ed	16

Mueller mine	16	Pacific-Easton mine	15
Mulcahy, William	11	Pacific mine	16
Myers, G. A.	22	Pacific Mines, Inc.	15, 16, 17
Myranda claim	7	Pacific Silica Co.	35
		P and M mine	41
Nagy, W. A.	19	Par-D Mining & Development Co.	18
Nancy Helen mine	20	Parnell group mine	9
Nancy Lee mine	18	Parson, R. M., Co.	33
Nancy Lee Mines, Inc.	18	Patterson, John	14
Nash, Tom	21	Paymaster mine	5
Nash, Tom, and others	21	Peabody Coal Co.	41
Neal, Harold	16	Peabody mine	23
Negros mine	20	Peart, John M.	36
Neils, Art	22	Peat lease	36
Nellie Bly group	16	Pentecost, T. A., and others	7
Nellie Grant mine	11	Pen-Ute Consolidated Mining Co.	13
Nelson and Dan No. 1 and 2 mines	20	Pen-Ute Consolidated Mining Co. group	13
Nelson, Bernie E.	13	Peterson, A. B., and others	28
Nelson, Harold G., Sr.	20	Peterson, Albert Byron	28
Nelson Mines	20	Peterson deposit	31
Nevada City placer	27	Peterson, D. D., and Associates	20
New Bald Eagle mine	11	Peterson, Dr. James	34
New Departure mine	4	Peterson, Mrs. Lanora	31
Newman, Leo T.	20	Peterson, Ray N., and others	12
New Morning Star mine	11	Peterson, R. E.	19
New Park Mining Co.	4	Peura, Louis	11
New Seattle (Dolly Quartz) mine	9	Peuse, Gordon	40
Nicolls, Roy E.	5	Peuse mine	40
Nies Coal Co.	41	Pew, C. E.	11
Nies mine	41	Pew, C. E., and others	13
Nies, William F.	41	Pfizer, Chas., & Co.	38, 39
Nightengale, J. T.	12	Phillips, George	13
Niseka Mining, Ltd.	20	Pickering, Duane L.	21
N L Industries, Inc., Baroid Div.	29	Picture flagstone quarry	37
Norden, Roy	14	Piermont No. 1 East	11
Norsworthy, Jase O.	45	Pika gypsum deposit	32
North Gould (American Boy) group mine	12	Pike, Homer	4
North Pole mine	21	Pikes Peak (Emery Ridge) lease	33
North Sunlight group	11	Pilot mine	11
Norwegian Gold & Development Corp.	45	Pioneer mine	5
Nott, Earl	19	Placer fire clay pit	30
No. 1 mine	40	Poggeman, George H.	27
No. 4 mine	7	Polaris mine	4
N. R. G. Company	45	Ponderosa mine	6
Nyquest, Theodore	27	Poore, Poore, and Poore	11
		Porte, George	5
Old Bachelor mine	13	Precious Metals, Inc.	27
Old Bonanza mine	25	Princeton Mining Co.	9
Old Shoe No. 1 placer	28	Prosperity mine	18
Old Summit (Summit) and Blackhawk mine	5	Prosperity Mines, Inc.	18
Oregon Creek placer	28	Pust, Waldo	20
Oremont, Inc.	28		
Oro Fino mine	13	Quadrant Ridge Mining Co.	5
Overlook group mines	23, 25	Quartz Hill group	4

Quartz Hill Mining Co.	4	St. Lawrence Consolidated Mines, Inc.	16
Queen mine	9	Sakkinen, Manuel	18
Rainbows End placer	26	Saltese Mining Co.	22
Ralls, John M.	24	Sam Gaty mine	13
R & S Iron Co., Inc.	24	Sandman, L. A.	7
Rankin, Joseph W.	15	Sandman, L. A., and others	7
Redemption mine	11	San Martina mine	19
Red Fir (Amazon) mine	22	San Miguel and Montgomery mine	12
Red Pine mine	16	Santa Anita mine	5
Red Rock claims	13	S & P Mining Co.	7
Regal mine	38	Sapphire International Corp. mine	34
Reichel, A. E., and others	26	Sapphire Village, Inc.	34
Reid, Harold	4	Saranac mine	9
Relyea, George	33	Sargent, Lauren	40
Relyea mine	33	Sargent, LeRoy	21
Rena mine	4	Sata Maira Rainbow group	4
Rennfield, George L.	20	Sawyer -Adecor Inter., Inc.	25
Republic mine	7	Scalded Cat mine	16
Rex, Argo, Copper Queen group	5	Scheitlin, Ed	15, 16, 17
Rex Land Co.	3, 25	Schenkel, E. R.	21
Rhoades, James A.	11	Schneider, William	9
Rhoades mine	11	Schoonover, John	41
Riverside Mining Corp. & Easton-Pacific Co.	15	Schreiner, Carl C.	5
R. M. Parsons Co.	33	Schreiner, C. W., and others	10
Roark, Clive	14	Schreiner mine	5
Roark, Clive, and others	14	Schreiner, Warren	5
Roat, A. H., and Sons	28	Scratch Awl mine	9
Robert Emmett mine	11	Scratch Gravel Properties, Inc.	45
Roberts Mining Co.	31	Semsak, Art	3
Robertson, Richard	9	Setter mine	12
Robin L. placer	28	Setter Mining Co.	12
Robinson Mining Co.	17	Shafer (Yellow Band) group	4
Rogers, R. H.	16	Shafer, John	4
Romerio, Mrs. A. K.	10	Shafer, John, and Associates	4
Romerio Co.	10	Shannon Park Corp.	45
Rosebud Coal Sales Co.	40	Sharak, E. W., and others	23, 25
Rosebud No. 6 mine	41	Shaw, Charles M.	18
Rosebud Tongue River mine	40	Sheep Mountain mine	7
Rothfus, John	10	Sheperd, R. M.	29
Ruby Gulch mine	20	Shermont Mining Co.	16
Ruby No. 1 and 2 mine	38	Shoemaker (Heath) mine	32
Ruby silver mine (Broadwater Co.)	5	Short Shift mine	16
Ruby silver mine (Jefferson Co.)	11	Sid claim	22
Ruby Silver Mines, Inc.	11	Sidney Mining Co.	14
Ruby (Talc Ridge) group	38	Silver Butte mine	14
Ruby Valley Development Co., Inc.	16	Silver Creek mine	18
Runyon, C. R.	28	Silver Creek Mining Co.	18
Runyon, M. S.	28	Silver Domino claim	22
Saari, John K.	11	Silver Dyke mine	6
St. Lawrence Consolidated mine	16	Silver King mine	9

Silver King placer	28	Sunshine mine	8
Silver Mark Mines, Inc.	22	Surprise claims group	17
Silver Moss mine	7	Surprise stone quarry	37
Silver Mountain Exploration Co.	22	Swallow, Irma M.	31
Silver Queen Exploration Ltd.	4	Swallow, James L.	31
Silver Queen mine	4	Swamp Frog mine	26
Silver Reef mine	7	Swann, J. P., and others	21
Silver Trend Mining Co.	20	Swanson, Max	18
Silver Valley Mining Co.	3	Sylvanite, Inc.	10
Skookum placer	27		
Sky Baby claims	24	Talc Ridge (Ruby) group	38
Sky mine	13	Tamarack mine	17
Sletton, Albert	6	Tawney mine	18
Sletton, Dan	6	Taylor, Ben	24
Smith, Clarke J.	20	Taylor, Bruce R.	14
Smith and Dillsworth	13	Taylor-Knapp Co.	9
Smith, E. W.	16	Tender group	4
Smuggler mine	16	Terada, Sonny	34
Snow Cap mine	38	Terry, E.	19
Snow, Harold	30	ThadCo	45
Snowshoe mine	14	Thatcher, Edward	45
Snowslide mine	16	Thayer, Lyman	6
Snowstorm mine	14	Third Term mine	21
Sodorff, Les	26	Thomas Cruse Mining & Development Co.	12
Solar Enterprises	5	Thomas, D. W.	16
Solar Silver Mines, Inc.	17	Tibbetts mine	21
Sourdough (Golden Curry) mine	10	Tiger mine	12
South View mine	11	Tintinger, Carl A.	13
Spitfire mine	18	Treasurelite, Div. Treasure State Ind. Products, Inc.	35
Spokane National Mines, Inc.	3, 4	Treasurelite pit	35
Spoofers mine	6	Treasure State mine	39
Spotted Horse mine	7	Treasure State Industrial Products, Inc., Treasurelite	35
Spring Tunnel mine	16	Trettin, Kenneth W.	11
Square Deal mine	41	Tri-City Concrete Products, Inc.	25
Stanton, Robert N.	13	Trident quarry	32
Star and Blue Jay claims	14	Trojan Silver-Lead Mining Co.	14
Stark, Lewis B.	6	True Fissure mine	9
State Mining Co., The	22	Tunstill, Eugene F.	14
Stauffer Chemical Co.	30, 35	Tunstill, Dick	9
Stauffer Chemical Co., Industrial Chemical	35	Twilight claims group	13
Stearns, W. W.	22	Tyrell, Nila	5
Stemple and Jay Gould mines	13		
Stemwinder placer	28	Union Carbide Co.	35
Stephenson, R. S., Estate	40	Union mine	17
Steward mine	23	United Investors Corp.	15
Stimps, J. R.	13	United Sierra Div., Cyprus Mines Corp.	38, 39
Stocks, Ivan	20	U.S. Antimony Corp.	2
Stocks, I. W.	10	U.S. Exploration & Development, Inc.	20
Stoick, James J.	26	U.S. Exploration group	20
Storm King mine	40	U.S. Gypsum Co.	32
Strong, D. A.	38	Universe Minerals Co.	23, 25
Stuart mine	17	U S Grant mine	17
Summit (Old Summit) and Blackhawk mine	5	Utah Calcium	37
Sunrise mine	21		

Valley View mine	5	Wegener, William G.	11
Van Gorden, Wesley	31	Wehren, Ernest	8
Van Sickle, Edwin R.	11	Welling, A. H.	33
Vaughn, Monida	13	West Ermont mine	4
Vera and Marie mine	11	West Flathead and Flathead mine	7
Vermiculite Mountain mine	39	Western Energy Co.	41
Vicki placer	27	Western mine	41
Viking Exploration, Inc.	7	Western Mining & Exploration Co.	2, 3, 4
Violet group	21	Wheeler Properties, Inc.	16
Virginia Gulch mine	4	White Angel quarry	37
Voldseth, George	17	White (Glengarry) claims	19
Volker, Albert E.	34	White, Harriet	19
Voss, Carl W.	17	White Pine claim	2
Voss mine	17	White Pine mine	24
Wade, W. R.	5, 13	Wiggins mine	13
Wagner, Elmer J.	28	Wilhelm, Lloyd	3
Waldbillig, Joe	19	Wolverine Corp.	21
Waldbillig mine	19	Wolverine mine	21
Waldbillig, O. R.	19	Wolverine Mining, Inc.	45
Walker, D. D., and others	10	Woods Creek copper mine	21
Walkup, Ben	8	W. R. Grace & Co., Construction Products Div.	39
Ward Development Co.	19	Wright, Victor	36
Ward, Charles	20	Wright, Victor, and others	36
Ward, Larry	20	Wrong Font group	23
Ward, Ray	20		
Ward lode mine	19	Yellow Band (Shafer) group	4
Warm Springs Creek (Brock, Anderson) mine	33	Yellowstone (Cameron) mine (Madison Co.)	39
Warm Springs Creek quarry	33	Yellowstone mine (Meagher Co.)	17
Warren quarry	32	Yerdon placer	27
Wattula, Lee	6	Young America mine	9
Waylett, J. L.	19	Young, E. J.	13
Weber, Charles O.	11	Young, James W.	8

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

“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 Workmen’s 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.” [Title 50--108 (3425)]

LIST OF MINING DISTRICTS

MINING DISTRICTS

Beaverhead County, 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 (Armistead)
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 County, A-8

29. Bearpaw

Broadwater County, C-5

30. Confederate Gulch (Backer) (Canton) (Diamond City)
31. Deep Creek
32. Hellgate
33. Lone Mountain
34. Magpie Gulch
35. Park (Hassel) (Indian Creek) (Townsend)
36. Radersburg (Cedar Plains)
37. Winston (Beaver Creek)

Carbon County, D-7

38. Clark Fork
39. Hellroaring
40. Silver Run

Cascade County, B-5

41. Nelhart (Montana)

Deer Lodge County, 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 County, B-7

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

Flathead County, A-2

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

Gallatin County, D-5

55. Eldridge
56. West Gallatin (Spring Hill)

Granite County, 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. Phillipsburg (Flint Creek) (Granite)
66. Red Lion (Cable Mountain)
67. Rock Creek
68. Rose Mountain (Gold Creek)
69. South Boulder (Princeton)
70. Welcome Creek

Jefferson County, 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 County, B-6

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

Lake County, B-2

93. Elmo (Chief Cliff)

Lewis and Clark County, 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 County, A-1

107. Cabinet (Fish River)
108. Libby (Snowshoe)
109. Rainy Creek
110. Sylvanite
111. Tobacco River
112. Troy (Grouse Mountain) (Calahan)
113. Wolf Creek

Madison County, D-5

114. Bismark (Wilma)
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) (Pamshorn)
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 County, C-6

131. Beaver (Elk Creek) (Thompson Creek)
132. Castle Mountains
133. Murray (Battle Creek)
134. Musselshell (Copperopolis)

Mineral County, B-2

135. Cedar Creek (Quartz Creek) (Trout Creek)
136. Denemora (Big Elk) (Saltsee)
137. Iron Mountain (Superior)
138. Keystone
139. Packer Creek
140. Rock Island
141. St. Regis (Deer Creek) (Ward)

Missoula County, 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 County, D-6

149. Cowles (Haystack)
150. Crevasse

151. Emigrant (Chico)
152. Horseshoe
153. Jarline (Bear Gulch) (Sheepcater)
154. New World (Cooke City) (Blackmore)

Phillips County, A-9

155. Little Rockies (Landusky) (Zortman)

Powell County, 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 County, C-2

165. Curlew
166. Hughes Creek (Alta) (Overwich)
167. Mineral Point
168. Pleasant View
169. Slate Creek
170. Three Mile

Sanders County, B-1

171. Blue Creek (Heron)
172. Canas Prairie (Perma)
173. Plains
174. Prospect Creek
175. Revals Creek (Dixon)
176. Sleepy Creek (Belknap)
177. Silver Butte (Vermilion) (Cabinet)
178. Spring Gulch
179. Thompson River
180. Trout Creek
181. White Pine (Eagle)

Silver Bow County, 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 County, D-7

191. Nye
192. Stillwater
193. Yellowstone River

Sweet Grass County, D-6

194. Big Timber Canyon
195. Boulder River
196. Independence
197. Natural Bridge
198. West Stillwater

Toole County, A-5

199. Gold Butte
200. West Butte

LIST OF STRIPPABLE SUBBITUMINOUS AND LIGNITE COAL FIELDS

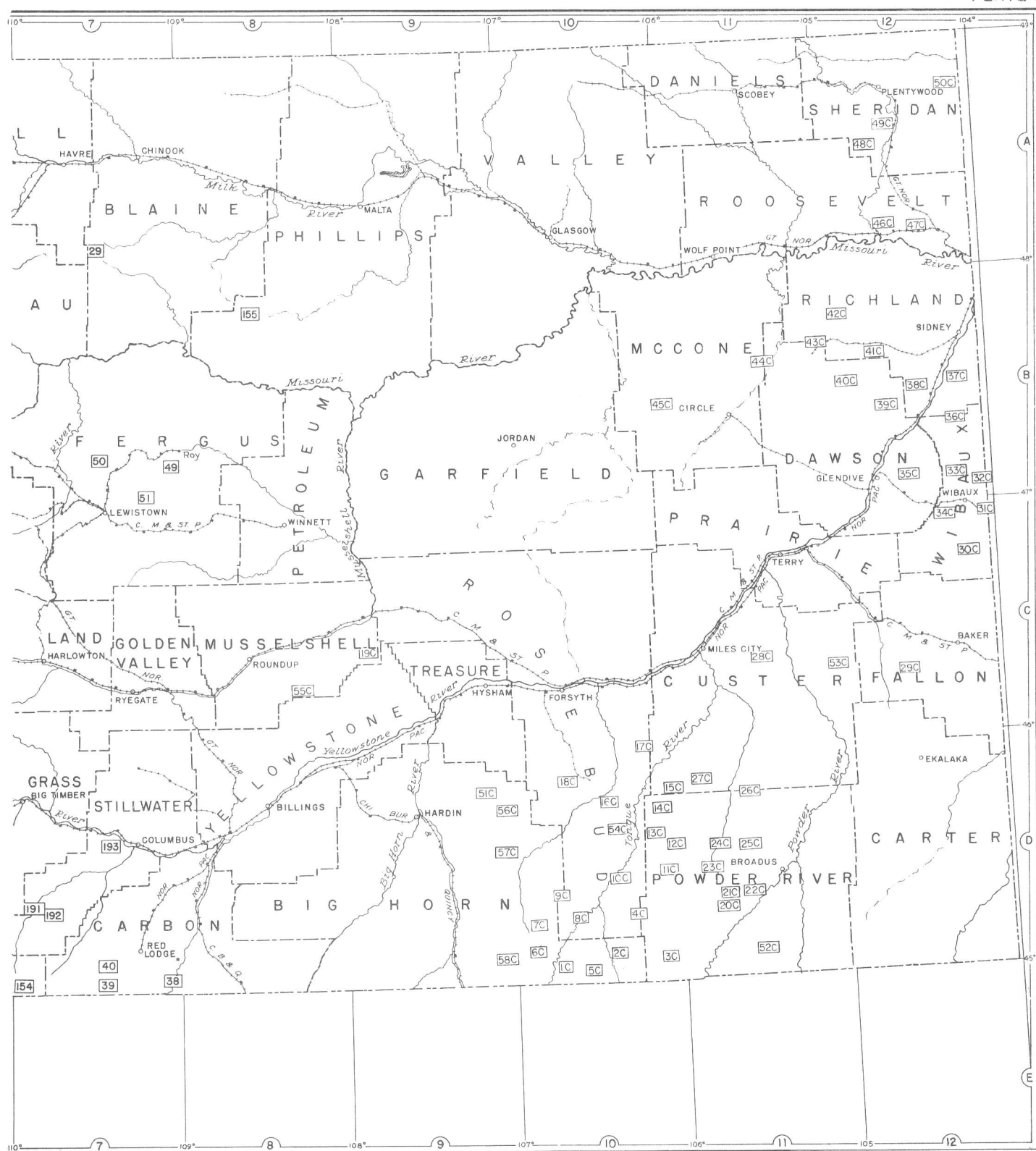
No. on map	Name of field	Coal bed	Thickness in feet	Est. reserves in millions of tons (G, good; F, fair; R, rough)		Acreage	Square miles	Average tons/acre	Ash ¹	Sulfur ¹	Btu ¹
1c	Decker ²	Anderson-Dietz	20-89	1,947	F	25,472	39.8	76,435	4.0	0.4	9,652
2c	Hanging Woman Creek	Anderson-Dietz	12-35	3,099	G	78,208	122.2	39,625	6.4	0.3	8,446
3c	Moorhead	Anderson-Canyon	6-30	1,979	G	49,474	77.3	40,005	5.3	0.3	8,296
4c	Poker Jim Lookout	Anderson-Dietz	15-58	573	G	8,448	13.2	67,825	5.7	0.4	7,804
5c	Roland ²	Roland	10	315	F	17,797	27.8	17,700	5.6	0.3	7,637
6c	Squirrel Creek	Roland	10	130	F	7,345	11.5	17,700	5.6	0.3	7,637
7c	Upper Rosebud ²	Anderson	20	220	F	6,212	9.7	35,400	4.4	0.4	8,391
8c	Birney	Brewster-Arnold	18	321	G	12,127	18.9	26,470	5.9	0.4	8,872
9c	Canyon Creek	Wall	30-60	200	F	2,825	4.4	70,800	4.6	0.3	9,090
10c	Poker Jim-O'Dell Creek	Knoblock	10-40	770	G	16,100	25.2	47,825	4.9	0.3	8,850
11c	Otter Creek	Knoblock	20-60	1,041	G	20,297	31.7	51,290	4.7	0.4	8,466
12c	Ashland	Knoblock	25-70	2,595	G	27,315	42.7	95,000	4.8	0.2	8,371
13c	Cook Creek ²	Sawyer	8-12	53	F	2,994	4.7	17,700	5.1	0.7	7,917
14c	Beaver Creek ²	Knoblock	12-22	160	F	5,317	8.3	30,090	7.0	0.5	8,146
15c	Liscom Creek ²	Knoblock	8	75	F	5,297	8.3	14,160	8.7	0.6	7,900
16c	Greenleaf-Miller Creek ²	Knoblock	12-22	260	F	7,962	12.4	32,655	7.8	0.8	8,395
17c	Sweeny-Snyder	Terret	18	312	G	10,523	16.4	29,650	5.8	0.7	8,170
18c	Colstrip	Rosebud	25	1,440	G	32,850	51.3	43,835	8.4	0.7	8,700
19c	Carpenter Creek ³	Carpenter	5-8	50	F	3,211	5.0	14,015			
20c	Fire Creek ²	Pawnee	16-20	40	G	1,255	2.0	31,870	6.0	0.4	7,650
21c	Upper Cache Creek ²	Pawnee	20	40	G	1,130	1.7	35,400	6.0	0.4	7,650
22c	Lower Cache Creek ²	Broadus	12	10	G	470	0.7	21,275	7.2	0.3	7,438
23c	Sonnette ²	Pawnee	20	206	G	5,819	9.1	35,400	6.6	0.7	7,334
24c	Pumpkin Creek	Sawyer	30	1,900	G	41,930	65.5	45,315	7.9	0.5	7,457
25c	Broadus	Broadus	5-26	737	G	18,904	29.5	38,985	7.2	0.3	7,438
26c	Sand Creek	Knoblock	15-32	278	G	5,958	9.3	46,660	6.7	0.3	7,340
27c	Foster Creek	Knoblock	8-16	1,200	G	58,000	90.6	20,690	7.7	0.5	7,605
28c	Pine Hills	Dominy	17	280	G	9,046	14.1	30,950	7.2	0.5	7,293
29c	Lame Jones ³	Dominy	6-10	150	R	10,593	16.6	14,160			6,020
30c	Lamester ³	Harmon(?)	6-10	35	R	1,978	3.1	17,700			6,332
31c	Wibaux ³	C	5-40	643	G	18,518	29.9	34,720	7.9	0.9	6,050
32c	Little Beaver ³	C	8-15	134	R	8,445	13.2	15,865			
33c	Four Buttes ³	C	5-20	91	G	5,180	8.1	17,570			6,140
34c	Hodges ³		6-8	10	R	807	1.3	12,390			
35c	Griffith Creek ³		8-12	10	R	568	0.9	17,700			
36c	Smith-Dry Creek ³	G	8-12	150	R	8,475	13.2	17,700			
37c	O'Brian-Alkalie Creek ³		8-12	150	R	8,475	13.2	17,700			
38c	Breezy Flat ³	Pust		200	F	7,062	11.0	30,090	6.7	0.5	6,660
39c	Burns Creek ³	Pust	12-20	200	R	7,062	11.0	30,090			
40c	N.F. Thirteen Mile Creek ³	Pust	10-43	225	F	5,085	8.0	44,250			6,880
41c	Fox Lake ³	Pust	7-17	46	F	2,166	3.4	21,240			6,880
42c	Lane ³	Lane	7	561	R	44,582	69.7	12,390			7,150
43c	Carroll ³	Carroll	6	345	R	29,780	46.5	11,584	5.5	0.3	7,400
44c	Redwater River	S	9-21	642	G	24,181	37.8	26,550	6.1	0.4	7,400
45c	Weldon-Timber Creek	S	8-20	724	G	25,565	40.0	28,320			7,660
46c	Fort Kipp ³	Ft. Kipp-Ft. Peck	5 & 8	331	G	14,500	22.7	22,830	4.6	0.2	6,110
47c	Lanark ³	Lanark	7	100	G	3,531	5.5	12,390	6.3	0.4	6,853
48c	Medicine Lake ³		9	58	F	3,740	5.8	15,510	7.2	1.0	6,870
49c	Reserve ³		7	246	F	18,231	28.5	13,495	7.6	0.4	6,599
50c	Coal Ridge ³	Coal Ridge	10	150	F	19,200	30.0	17,700	7.5	0.4	5,830
51c	Sarpy Creek ³	Rosebud-McKay	10-35	1,500	F	42,373	66.2	35,400	6.5	0.5	8,600
52c	East Moorhead	Cache	9-26	541	G	15,983	25.0	33,850	7.2	0.5	7,148
53c	Knowlton	Dominy	8-31	798	G	15,338	24.0	52,030	4.1	0.4	6,689
54c	Cheyenne Meadows ⁴	Knoblock	30-65	1,200	G	13,560	21.2	88,500	4.1	0.4	8,400
55c	Charter ³	Mammoth	5-14	60	G	3,210	4.0	17,700			
56c	Little Wolf ⁴	Rosebud-McKay	15-35	314	R	7,411	11.8	42,370			
57c	Jeans Fork ⁴		10-20	90	R	3,800	5.9	23,685			
58c	Wolf Mountains ⁴		20-50	1,922	R	31,000	48.4	62,000			
TOTAL				31,857		882,685	1,379.2				

¹ "As received" basis (where more than one sample available, figures given are average figures).² Areas being re-evaluated by MBMG.³ Areas where MBMG does not have original data for reserve calculations.⁴ Areas on Indian Reservations—Acreages given are the total lease area.

By Robert E. Matson and John W. Blumer

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MAP SHOWING DISTRIBUTION OF MINING DISTRICTS



AND STRIPPABLE COAL FIELDS IN MONTANA

