

STATE OF MONTANA  
BUREAU OF MINES AND GEOLOGY  
S. L. Groff, Acting Director

BULLETIN 86

DIRECTORY OF MINING ENTERPRISES FOR 1971

with a

LIST OF COAL MINES, 1971

Compiled by

Don C. Lawson  
Montana Bureau of Mines and Geology

and a section on

THE MINERAL INDUSTRY OF MONTANA IN 1971

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  
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# DIRECTORY OF MINING ENTERPRISES

FOR 1971

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 inactive 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 1971 and a report entitled "The Mineral Industry of Montana in 1971," 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

WHITE PINE CLAIM Antimony, molybdenum  
Troy district  
Operator: Richard Fifield, Box 432  
Troy, MT 59935  
Owner: Same as operator  
Status: Inactive

## SANDERS COUNTY: Thompson Falls

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  
Status: Producing

## GOLD, SILVER, COPPER, LEAD, ZINC MINES

## BEAVERHEAD COUNTY: Dillon

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

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 Rte., Dillon, MT 59725  
Status: Developing

BLUE EYED ANNIE MINE Silver  
Elkhorn dist., unsurveyed, T. 4 S., R. 12 W.  
Owner: John Miller  
Polaris, MT 59746  
Status: Unknown

\*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

CLEVE-AVON and FRANKLIN MINE Gold, silver  
Bryant (Hecla) dist., sec. 2, T. 3 S., R. 11 W.  
Operator: Lively's Inc  
Melrose, MT 59743  
Owner: Same as operator  
Status: Unknown

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

COMET GROUP Gold, silver, lead  
Elkhorn dist., sec. 26, T. 4 S., R. 12 W.  
Operator: Blue Sky Mining Corp.  
Dillon, MT 59725  
Owner: Same as operator  
Employees: 2  
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

COTTONTAIL MINE Silver, copper, lead  
Blue Wing dist., sec. 28, 33, T. 7 S., R. 11 W.  
Operator: Spokane National Mines, Inc  
424 Hutton Bldg., Spokane, WA 99204  
Owner: Same as operator  
Employees: 6  
Status: Producing and developing

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

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\*Open pit.

## BEAVERHEAD COUNTY Continued

\*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, Rte. 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, Rte. 2, Sultan, WA 98294  
Status: Developing

\*\*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, Rte. 1, Arco, ID 83213  
Status: Developing

HAND MINE Gold, silver, lead  
Argenta dist., NW¼ NW¼ sec. 29, T. 6 S., R. 10 W.  
Operator: William M. Hand  
30 S. Arizona, Dillon, MT 59725  
Owner: John Hand Estate, W. M. Hand, Executor  
30 S. Arizona, Dillon, MT 59725  
Employees: 6  
Status: Producing

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 and 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: Developing

QUARTZ HILL GROUP Silver  
Quartz Hill dist., sec. 25, T. 1 S., R. 11 W.  
Operator: New Park Mining Co.  
c/o Leonard Garrard, Divide, MT 59727  
Owner: Quartz Hill Mining Co.  
Box 2902, Portland, OR 97208  
Status: Inactive

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: Produced

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 and developing

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

\*WEST ERMONT MINE  
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

\*Open pit: \*\*Open pit and underground

**BLAINE COUNTY: Chinook**

**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

**BROADWATER COUNTY: Townsend**

**BONANZA MINE** Silver, lead  
 Radersburg dist., sec. 19, T. 6 N., R. 1 W.  
 Operator: John Byrd  
 York Rte., 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  
 Employees: 5  
 Status: Developing

**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

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

**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 and 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  
 Employees: 3  
 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  
 Employees: 2  
 Status: Developing

\***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

**CASCADE COUNTY: Great Falls**

**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: Exploring

**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: Unknown

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 \*Open pit.



## CASCADE COUNTY--Continued

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-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  
Employees: 4  
Status: Developing

## DEER LODGE COUNTY: Anaconda

ALTURAS MINE Gold, silver  
T. 5 N., R. 13 W.  
Operator: Lee Wattula  
Phillipsburg, 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: Developing

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  
Employees: 5  
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: Unknown

\*\*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  
Status: Developing

SILVER MOSS MINE Gold, silver  
Silver Lake dist., T. 5 N., R. 13 W.  
Operator: Allen Loobey  
Phillipsburg, 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: Unknown

## FERGUS COUNTY: Lewistown

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 Rte., Lewistown, MT 59457  
Status: Developing

\*MINE 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 & Sons and Wm. Schenek  
204 E. Washington St., Lewistown, MT 59457  
Status: Developing

\*MYRANDA CLAIM Gold, silver, lead  
Warm Springs dist., sec 8, T. 16 N., R. 20 E.  
Operator: I. A. Sandman  
Box 189, Lewistown, MT 59457  
Owner: L. A. Sandman and others  
Box 189, 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: Unknown

\*Open pit; \*\*Open pit and underground

DIRECTORY OF MINING ENTERPRISES FOR 1971

FERGUS COUNTY—Continued

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

FLATHEAD COUNTY: Kalispell

\*FLATHEAD-WEST FLATHEAD MINE Silver,  
 copper, lead  
 Hog Heaven dist., sec. 17, T. 25 N., R. 23 W.  
 Operator: Waino Lindbom  
 1545½ - 7th Ave. W., Kalispell, MT 59901  
 Owner: The Anaconda Co.  
 Butte, MT 59701  
 Employees: 9  
 Status: Producing and developing

GRANITE COUNTY: Philipsburg

\*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

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

\*\*BROOKLYN 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 and developing

CADGIE-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

\*COMANCHE EXTENSION MINE (6788) Silver  
 Flint Creek dist., sec. 19, T. 7 N., R. 13 W  
 Operator: Ben Walkup  
 Philipsburg, MT 59858  
 Owner: William F. Flynn  
 Anaconda, MT 59711  
 Status: Unknown

SPOTTED HORSE MINE Gold, silver, tellurium, lead,  
 zinc

Warm Springs dist., sec. 5, T. 16 N., R. 20 E.  
 Operator: L. C. Hoffman, Blue Range Mining Co.  
 Rte. 3, Box 35, Lewistown, MT 59457  
 Owner: First Trust Company of Montana, trustee  
 Great Falls, MT 59401  
 Status: Developing

GALLATIN COUNTY: Bozeman

\*SUNSHINE MINE Lead  
 Hyalite dist., sec. 31, T. 3 S., R. 6 E.  
 Owner: Ernest Wehren  
 407 North Church, Bozeman, MT 59715  
 Status: Inactive

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

GRANITE BI-METALLIC MINE Silver  
 Philipsburg dist., sec. 31, T. 7 N., R. 13 W.  
 Operator: Hecla Mining Co.  
 Wallace, ID 83873  
 Owner: Frank Antonioli  
 724 S. Western, Butte, MT 59701

\*\*HATTA & MAGNET MINES Silver, lead, zinc  
 Dunkleberg dist., sec. 14, T. 9 N., R. 12 W.  
 Owner-Operator: L. W. Lehwald  
 Missoula, MT 59801  
 Status: Inactive

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: Unknown

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

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 \*Open pit; \*\*Open pit and underground

GOLD, SILVER, CO<sup>2</sup>FER, LEAD, ZINC MINES

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## GRANITE COUNTY—Continued

## LYCOMING MINE

Philipsburg dist., sec 17, T 7 N., R 13 W  
 Operator: Joe Metesh  
 Philipsburg, MT 59858  
 Status: Produced

## MICKEY MINE Gold, silver

Red Lion dist., sec 22, 27, T 6 N., R. 13 W.  
 Owner-Operator: Eugene Garrett  
 Box 908, 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 district  
 Operator: Gene Marker  
 Garrison, MT 59731  
 Status: Unknown

## \*\*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: Developing

## PARNELL GROUP MINE Silver, copper, lead

Flint Creek dist., sec 7, 8, T. 7 N., R. 13 W.  
 Owner-Operator: P J. Heaney, Sr  
 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

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  
 Employees: 6  
 Status: Produced

## SILVER KING MINE Gold, silver

Rock Creek dist., sec 5, T. 6 N., R. 15 W.  
 Operator: Albert Walkup  
 Box 534, Mullan, ID 83846  
 Owner: Charles Byam  
 Philipsburg, MT 59858  
 Employees: 2  
 Status: Produced and developing

## 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  
 Employees: 40  
 Mill capacity: 50 t/d  
 Status: Produced

## VAN DORSTAN MINE Gold, silver

Operator: Otis Redwine  
 Butte, MT 59701  
 Status: Unknown

## YOUNG AMERICA MINE Gold, silver

Philipsburg dist., T. 7 N., R. 13 W.  
 Operator: James R. Hunter  
 Philipsburg, MT 59858  
 Status: Unknown

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 \*Open pit; \*\*Open pit and underground

## JEFFERSON COUNTY: Boulder

- \*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
- 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: Inactive
- \*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 and developing
- 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
- \*EDGE NO. 1, NORWAY NO. 6, OUR TICKET, and  
EASY MONEY 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
- ELKHORN MINE Silver, lead, zinc  
Elkhorn 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  
1301 W. Geyser, Livingston, MT 59047  
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, and base metals  
Comet (Boulder) dist., sec. 6, 31, T. 6 and 7 N., R. 4 W.  
Operator: Romero Co.  
Boulder, MT 59632  
Owner: Mrs. A. K. Romero  
19320 Hinsdale, Torrance, CA 90503  
Employees: 5  
Status: Developing
- HUMBOLT MINE Gold, silver  
Homestake dist., sec. 9, T. 3 N., R. 6 W.  
Owner-Operator: Stanley L. Boyce  
Rte. 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
- 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
- LITTLE GOLDIE MINE Gold, silver, lead  
Elkhorn district  
Operator: Richard Arnold  
Boulder, MT 59632  
Owner: Sam Arnold  
Boulder, MT 59632  
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
- MAMMOTH MINE Gold, silver, lead, zinc  
Corbin dist., sec. 35, T. 8 N., R. 4 W.  
Operator: Norman Peura and others  
Jefferson City, MT 59638  
Owner: Ed Kyler  
Boulder, MT 59632  
Status: Inactive
- MAY and LITTLE SALLIE MINE Gold, silver, copper,  
lead, zinc  
Colorado (Katy 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: Unknown
- 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

NORTH SUNLIGHT GROUP Gold, silver, copper,  
lead, zinc

- Cardwell district, T. 2 N., R. 3 W.  
Operator: William G. Wegener  
Box 144, Whitehall, MT 59759  
Owner: Wegener Bros.  
Whitehall, MT 59759  
Status: Developing
- PILOT MINE (see p. 28)
- \*REDEMPTION MINE Gold, silver, silica  
Comet district  
Operator: E. H. Battemann  
Box 461, Basin, MT 59631  
Owner: Poore, Poore & Poore  
Butte, MT 59701  
Status: Developing
- 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: Unknown
- VERA and MARIE MINE Silver  
Cataaact 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

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  
 Employees: 2  
 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  
 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

\*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 and developing

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

CONSOLATION MINES Silver, copper, molybdenum  
 Heddleston dist , sec 21, T. 15 N., R 6 W.  
 Operator: The Anaconda Co.  
 Butte, MT 59701  
 Owner: J A Thompson  
 Lincoln, MT 59639  
 Status: Inactive

\*\*COPPER BOWL MINE Copper  
 Heddleston dist , sec 30, T 16 N., R 6 W.  
 Owner-Operator: Clarence J. Erickson  
 Rte. 1, Box 100H, Helena, MT 59601  
 Status: Developing

\*DRUMLUMMON TAILINGS Gold, silver, copper,  
 lead, zinc  
 Marysville dist., S½ sec. 36, T. 12 N., R. 6 W.  
 Operator: Carlos Hieber  
 1035 - 12th Ave., Helena, MT 59601  
 Owner: St. Louis Drumlummon Mines, Inc.  
 St. Louis, MO 63100  
 Status: Inactive

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

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

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

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 \*Open pit; \*\*Open pit and underground

## LEWIS AND CLARK COUNTY—Continued

- LUCKY LINDA MINE Silver, lead  
Rimini dist., sec. 16, T. 8 N., R. 5 W.  
Owner-Operator: George Phillips  
Rimini Rte., Helena, MT 59601  
Status: Developing
- \*MILJOUR-VIOLET JANE MINE Gold, silver, lead  
Cedar Hills dist., sec. 7, 8, 17, 18, T. 11 N., R. 3 W.  
Owner-Operator: Cal-Mont Associates, Inc  
Box 548, East Helena, MT 59635  
Status: Inactive
- 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: Produced and developing
- OLD BACHELOR MINE  
Stemple Pass dist., sec. 15, T. 13 N., R. 7 W.  
Owner-Operator: Dillsworth and Smith  
1509 River Rd., Missoula, MT 59801  
Status: Unknown
- 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. Gold, silver,  
lead

- Stemple and Rimini district (six mines)  
Owner-Operator: E. J. Young, Pres., Pen-Ute  
Consolidated Mining Co., Box 2713  
Great Falls, MT 59401  
Status: Unknown
- 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
- \*\*STEMPLE and JAY GOULD MINES Gold, silver  
Stemple Pass dist., sec. 10, T. 13 N., R. 7 W.  
Owner-Operator: Vern C. Knopf  
1621 Cannon St., Helena, MT 59601  
Status: Produced
- 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
- \*\*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 Rte. 1, Libby, MT 59923  
Employees: 6  
Mill capacity: 100 t/d  
Status: Developing and 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.  
Employees: 4  
Mill capacity: 120 t/d  
Status: Developing

## LINCOLN COUNTY: Libby

- 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: Developing
- BLUE JAY and STAR CLAIMS Silver, lead  
Troy district  
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. Tunstill  
Box 522, Troy, MT 59935  
Owner: Bruce R. Taylor  
1314 E. 43d Ave., Spokane, WA 99203  
Status: Inactive

## MADISON COUNTY: Virginia City

- \*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: Developing
- BESSIE and GOLDEN WAVE MINE Gold, silver,  
copper, tungsten  
Mineral Hill district  
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
- 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: Unknown
- 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: Unknown
- 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
- DIVIDEND LODE MINE  
Mineral Hill dist., sec. 15, T. 2 S., R. 3 W.  
Owner-Operator: Chester G. Horton, Jr.  
Pony, MT 59747  
Status: Developing
- \*Open pit; \*\*Open pit and underground
- \*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
- 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: Unknown
- 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: Unknown
- \*GREEN CAMPBELL MINE  
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: Developing
- 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  
Employees: 1  
Status: Inactive
- JACK RABBIT MINE Gold, silver, lead  
Rochester dist., sec. 21, T. 2 S., R. 8 W.  
Owner-Operator: Mountain Gold and Silver, Inc., and  
others, c/o Jim McLaughlin  
Rte 1, Box 22, Sheridan, MT 59749  
Employees: 3  
Status: Unknown
- 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



## MADISON COUNTY—Continued

MOUNTAIN FLOWER MINE Gold, silver  
Williams Gulch dist., sec. 33, T. 6 S., R. 3 W.  
Owner-Operator: R. H. Rogers  
Box 11, Alder, MT 59710  
Status: Developing

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

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., Inc.  
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: Produced and developing

## MEAGHER COUNTY: White Sulphur Springs

LUCKY DOLLAR MINE Silver, lead  
Castle (unorganized) 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 and developing

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

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: Unknown

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

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

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

## \*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: Developing

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

## \*\*BONANZA GROUP MINE 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

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

## BRYAN MINE Silver, lead

Saltese dist., sec. 28, T. 20 N., R. 31 W.  
 Owner: Jupiter Mining Co.  
 Box 1010, Wallace, ID 83873  
 Status: Developing

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: Unknown

EAST COEUR D'ALENE SILVER MINE Silver,  
copper, lead, zinc

Keystone dist., T. 17, 18 N., R. 26, 28 W.  
 Operator: Tierra Exploration Inc.  
 Superior, MT 59872  
 Owner: East Coeur d'Alene Silver Mines, Inc.  
 Scott Bldg., Wallace, ID 83873  
 Status: Inactive

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

## LAST CHANCE MINE Silver, lead

Saltese dist., sec. 34, T. 20 N., R. 31 W.  
 Owner-Operator: Jupiter Mining Co.  
 Box 1010, Wallace, ID 83873  
 Status: Inactive

## MISSOULA COUNTY: Missoula

## HIDDEN TREASURE-CAPE NOME MINE

Gold, silver, copper, lead  
 Wallace Creek dist., sec. 19, 24, T. 12 N., R. 16, 17 W.  
 Operator: Silver Ledge, Inc  
 Box 56, Clinton, MT 59825  
 Owner: Hera, Inc  
 Box 40, Missoula, MT 59801  
 Status: Unknown

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

## \*\*SAN MARTINA MINE Gold, silver, copper, lead

Ninemile 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

WARD LODGE MINE Gold, silver, copper, lead, zinc  
 Sec. 22, T. 11 N., R. 22 W.  
 Owner-Operator: Ward Development Co.  
 321 N. Higgins Ave., Missoula, MT 59801  
 Employees: 5  
 Status: Developing

\*Open pit; \*\*Open pit and underground.

**PARK COUNTY: Livingston**

**\*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

**PHILLIPS COUNTY: Malta**

**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

**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

**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

**POWELL COUNTY: Deer Lodge**

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

**FAIRVIEW MINE** Gold, silver, copper  
 Ophir dist., sec. 25, T. 11 N., R. 8 W.  
 Owner-Operator: Wesley Dix  
 1109 W. Woolman, Butte, MT 59701  
 Employees: 3  
 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

**\*\*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

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

## POWELL COUNTY—Continued

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: Developing

\*\*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.  
 Owner-Operator: Nelson Mines, Harold G. Nelson, Sr.  
 Greenough, MT 59836  
 Employees: 2  
 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

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

\*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: Produced

\*WHIPPERWILL MINE Gold, silver, lead, zinc  
 Pleasant View dist., T. 8 N., R. 21 W.  
 Operator: Bill Elsasser  
 Samuels, ID 83862  
 Owner: Albert Smith  
 Victor, MT 59875  
 Employees: 2  
 Status: Inactive

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: Unknown

## SANDERS COUNTY: Thompson Falls

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

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

BROKEN HILL MINE Silver, lead, zinc  
 Heron dist, sec 10, T. 27 N., R 34 W  
 Operator: E R Schenkel  
 6768 Crystal Cove Dr., Long Beach, CA 90803  
 Owner: J P Swann and others  
 E. 910½ Hawthorne Rd, Spokane, WA 99218  
 Status: Unknown

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

EDDY CREEK MINE  
 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

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: Developing

\*Open pit; \*\*Open pit and underground.

## SANDERS COUNTY--Continued

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 Rte., Clark Fork, ID 83811  
 Status: Developing

SALES MINE Silver, copper  
 Thompson River dist., sec. 1, T. 25 N., R. 28 W.  
 Operator: Thomas Watts  
 8 Spruce St., Wallace, ID 83873  
 Owner: Ruth Sales  
 Kalispell, MT 59901  
 Status: Inactive

## SILVER BOW COUNTY: Butte

\*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 and developing

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

\*\*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

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

\*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 and 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

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  
 Status: Developing

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  
 Status: Producing and 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: E. W. Sharak and others  
 6025 N. 40th St., Milwaukee, WI 53209  
 Mill capacity: 25 t/d  
 Status: Developing

PEABODY MINE (see p. 28)  
 STEWARD 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  
 Status: Producing and developing

WRONG FONT CLAIMS 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

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

## SWEET GRASS COUNTY: Big Timber

\*\*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

\*IRON CROSS MINE Iron ore  
Cedar Plains dist., sec. 12, T. 5 N., R. 1 W.  
Operator: R & S Iron Co., Inc.  
Radersburg, MT 59644  
Owner: John M. Ralls  
Radersburg, MT 59644  
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 59644  
Owner: John M. Ralls  
Radersburg, MT 59644  
Status: Developing

## SILVER BOW COUNTY: Butte

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

## MOLYBDENUM MINES

## LINCOLN COUNTY: Libby

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

## RAVALLI COUNTY: Hamilton

\*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

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: Developing

## TUNGSTEN MINES

## BEAVERHEAD COUNTY: Dillon

\*CALVERT MINE Scheelite  
Wise River dist., sec. 12, T. 1 N., R. 12 W.  
Owner-Operator: Minerals Engineering Co.  
817 - 17th St., Denver, CO 80202  
Mill capacity: 250 t/d  
Status: Developing

\*\*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

## TUNGSTEN MINES—Continued

## DEER LODGE COUNTY: Anaconda

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  
 Employees: 0  
 Mill capacity: 100 t/d  
 Status: Inactive

## SILVER BOW COUNTY: Butte

\*\*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

\*\*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 and exploring

## GOLD PLACERS

## BROADWATER COUNTY: Townsend

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

## JEFFERSON COUNTY: Boulder

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

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

## MADISON COUNTY: Virginia City

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  
 Employees: 1  
 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: Unknown

## GOLD PLACERS—Continued

## MEAGHER COUNTY: White Sulphur Springs

<p>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: Developing</p>	<p>YERDON PLACER Gold Meagher district, unorganized Owner: Frank Duval Spokane, WA Status: Unknown</p>
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## MINERAL COUNTY: Superior

<p>OREGON CREEK PLACER Gold Oregon Creek district Owner: Oremont, Inc. 417 Paulsen Bldg., Spokane, WA 99201 Status: Unknown</p>	<p>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 and producing</p>
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## PARK COUNTY: Livingston

<p>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</p>	<p>W. M. CLAYTON PLACER Gold Emigrant dist., sec. 7, T. 6 S., R. 9 E. Owner-Operator: W. J. Clayton Box 54, Pray, MT 59065 Status: Inactive</p>
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## POWELL COUNTY: Deer Lodge

<p>**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</p>	<p>OLD SHOE NO. 1 PLACER Gold Finn district Owner-Operator: A. H. Roat and Sons Box 266, Alberton, MT 59820 Status: Unknown</p>
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MASTER PLACER Gold  
Gold Creek dist., T. 9 N., R. 11 W.  
Owner-Operator: O. Perl Smith  
745 Sherman, Denver, CO 80203  
Status: Inactive

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\*Open pit; \*\*Open pit and underground.



PART 2, NONMETAL MINES, PITS, AND QUARRIES

BARITE MINES

BEAVERHEAD COUNTY: Dillon

\*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

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

\*COLONY OPEN PITS Bentonite  
 T. 9 S., R. 58, 59 E.  
 Operator: National Lead Co., Baroid Division  
 Box 638, Belle Fourche, SD 57717  
 Owner: National Lead Co., Baroid Division  
 Box 1675, Houston, TX 77001  
 Employees: 45  
 Mill capacity: 1,000 t/d  
 Status: Producing

PHILLIPS COUNTY: Malta

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

\*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: Produced

ROSEBUD COUNTY: Forsyth

\*HALLETT MINERALS PIT Bentonite  
 Sec. 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

\*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

\*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

\*Open pit; \*\*Open pit and underground

## CLAY MINES AND PITS

## CASCADE COUNTY: Great Falls

\*TREASURELITE PIT Clay  
 Sec. 13, T. 21 N., R. 3 E.  
 Owner-Operator: Treasurelite, Div. Treasure State  
 Industrial Products, Inc.  
 Box 2750, Great Falls, MT 59401  
 Employees: 9  
 Mill capacity: 130 cu. yd./d  
 Status: Produced

## DEER LODGE COUNTY: Anaconda

\*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

\*LEWISTOWN PIT Clay  
 Sec. 15, T. 15 N., R. 18 E.  
 Operator: Lewistown Brick & Tile Co.  
 Box 573, Lewistown, MT 59457  
 Status: Unknown

## JEFFERSON COUNTY: Boulder

\*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

\*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: Produced

## FLUORSPAR MINES

## RAVALLI COUNTY: Hamilton

\*CRYSTAL MOUNTAIN MINE Fluorspar  
 Sec. 18, T. 3 N., R. 19 W.  
 Operator: Roberts Mining Co.  
 Box 365, Darby, MT 59829  
 Employees: 25  
 Mill capacity: 50 t/hr  
 Status: Producing

## GYPSUM MINES

## BEAVERHEAD COUNTY: Dillon

\*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

GYPSUM MINES—Continued

CARBON COUNTY: Red Lodge

\*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

MADISON COUNTY: Virginia City

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

FERGUS COUNTY: Lewistown

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: Producing

LIMESTONE MINES AND QUARRIES

CARBON COUNTY: Red Lodge

\*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

GALLATIN COUNTY: Bozeman

\*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

DEER LODGE COUNTY: Anaconda

\*BROWNS QUARRY Metallurgical limestone  
Sec. 23, T. 5 N., R. 12 W.  
Owner-Operator: The Anaconda Co.  
Butte, MT 59701  
Status: Developing

JEFFERSON COUNTY: Boulder

\*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

POWELL COUNTY: Deer Lodge

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

\*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

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\*Open pit

## PHOSPHATE MINES

## POWELL COUNTY: Deer Lodge

**BROCK (ANDERSON, WARM SPRINGS CREEK)**  
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 and 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

## SAPPHIRE MINES

## GRANITE COUNTY: Philipsburg

**\*AMERICAN SAPPHIRE GEM MINE** Sapphire  
West Fork Rock Creek, T. 6 N., R. 16 W.  
Operator: Wil Chaussee  
Box 26, Philipsburg, MT 59858  
Owner: Chaussee Sapphire, Inc.  
Bothell, WA 98011  
Employees: 2  
Status: Produced

## JUDITH BASIN COUNTY: Stanford

**\*\*SAPPHIRE VILLAGE, INC., MINE** Sapphire  
Yogo dist., sec. 19, 20, 21, 22, T. 13 N., R. 11 E.  
Operator: Sonny Terada, Assist. 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 and developing

## LEWIS AND CLARK COUNTY: Helena

**\*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 Rte., Helena, MT 59601  
Status: Producing and developing

## SEMPRECIOS STONES

## MISSOULA COUNTY: Missoula

**\*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

**\*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

**\*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  
\*Open pit; \*\*Open pit and underground

## SILICA MINES AND QUARRIES

## BEAVERHEAD COUNTY: Dillon

- \*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

## JEFFERSON COUNTY: Boulder

- \*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

## DEER LODGE COUNTY: Anaconda

- \*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

## SOIL CONDITIONERS

## BEAVERHEAD COUNTY: Dillon

- \*PEAT LEASE Peat  
Sec. 16, 20, T. 4 S., R. 16 W.  
Operator: Intermountain Peat Moss Corp.,  
John M. Peat, 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

- \*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: Inactive

## STONE QUARRIES

## CARBON COUNTY: Red Lodge

- \*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 and developing

## CASCADE COUNTY: Great Falls

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

## FERGUS COUNTY: Lewistown

- \*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: Unknown

## FLATHEAD COUNTY: Kalispell

- \*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: Produced

## STONE QUARRIES—Continued

## GALLATIN COUNTY: Bozeman

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

## MISSOULA COUNTY: Missoula

- \*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

## RAVALLI COUNTY: Hamilton

- \*BITTERROOT VALLEY STONE QUARRY  
 Ornamental stone  
 Sec. 7, T. 32 N., R. 21 W.  
 Owner-Operator: Henry Andrews  
 Box 274, Rte. 1, Hamilton, MT 59840  
 Status: Produced

## MADISON COUNTY: Virginia City

- \*WHITE ANGEL QUARRY Onyx marble  
 Tidal Wave dist., sec. 27, T. 3 S., R. 5 W.  
 Owner-Operator: Utah Calcium  
 Status: Inactive

## PARK COUNTY: Livingston

- \*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  
 Status: Developing

## SANDERS COUNTY: Thompson Falls

- \*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: Unknown

## TALC MINES

## MADISON COUNTY: Virginia City

- \*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 W. Maloney  
 Box 118, Alder, MT 59710  
 Status: Inactive
- \*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 to 3  
 Status: Producing and developing
- \*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

-----  
 \*Open pit.

## VERMICULITE MINES

## LINCOLN COUNTY: Libby

\*VERMICULITE MOUNTAIN MINE Vermiculite  
Rainy Creek dist., sec. 14, 15, 22, 23, T. 31 N.,  
R. 30 W.  
Owner-Operator: Construction Materials 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

\*GILLIAM VERMICULITE DEPOSIT Vermiculite  
Mineral Hill dist., sec. 25, T. 1 S., R. 3 W.  
Operator: W. G. Forbes  
Pony, MT 59747  
Owner: Celesta Gilliam  
Cardwell, MT 59721  
Status: Developing

## ADDITIONAL LIST

## JEFFERSON COUNTY: Boulder

PILOT MINE Gold, silver, copper, 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: Producing and developing

## SILVER BOW COUNTY: Butte

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



## PART 3, COAL MINES

## BIG HORN COUNTY: Hardin

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

## CUSTER COUNTY: Miles City

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

## McCONE COUNTY: Circle

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

## MUSSELSHELL COUNTY: Roundup

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 Badovinac  
 Klein Star Rte., 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  
 Employees: 12  
 Status: Producing

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

## BLAINE COUNTY: Chinook

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

## DAWSON COUNTY: Glendive

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

JOHNNY'S MINE Coal  
 Sec. 15, T. 7 N., R. 26 E.  
 Owner-Operator: Johnny Keosky  
 1011 - 1st St., Roundup, MT 59072  
 Employees: 3  
 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 and developing

P and M MINE Coal  
 Sec. 13, T. 6 N., R. 27 E.  
 Owner-Operator: Paul Megeed  
 Gould Creek Rte., 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: 4  
 Status: Produced

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

-----  
 \*Open pit

## COAL MINES—Continued

## POWDER RIVER COUNTY: Broadus

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

## RICHLAND COUNTY: Sidney

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

## ROSEBUD COUNTY: Forsyth

\*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

## PART 4, THE MINERAL INDUSTRY OF MONTANA IN 1971

	<h2>MINERAL INDUSTRY SURVEYS</h2>	
<p>U. S. DEPARTMENT OF THE INTERIOR BUREAU OF MINES WASHINGTON, D. C. 20240</p>		
Rogers C. B. Morton, Secretary	Elburt F. Osborn, Director	

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

Annual, Preliminary

## THE MINERAL INDUSTRY OF MONTANA IN 1971

In 1971, Montana's mineral production was valued at \$285 million, a decrease of 9 percent compared with the 1970 value, according to the Bureau of Mines, U.S. Department of the Interior. There were substantial decreases in all metallic values due to lower prices and strikes. Copper's value of mineral production was 37 percent of the State total in 1971 as compared with 44 percent of the mineral production in 1970.

Petroleum production value remained about the same as in 1970 and accounted for 37 percent of the total State mineral production value in 1971. The value of coal production doubled while natural gas increased by 7 percent over the 1970 production.

During the year, State Mine Reclamation Laws were enacted by the State Legislature. These laws require mine operators to obtain licenses or permits before conducting any exploration or mining operations, and to restore or reclaim the land disturbed by strip, open-pit or underground operations.

The Anaconda Company announced plans for future expansion of copper smelting at Anaconda from 30 to 50 million pounds per month. Ore would come largely from expanded pit and deep mining development at Butte. Pollution abatement equipment was installed at the Anaconda smelter to control sulfur emissions, and experiments are being conducted to find suitable methods to reduce airborne dust from tailings disposal areas.

Montana's oil and gas industry is undergoing an increase in exploration efforts. At least one significant natural gas discovery in Blaine and Chouteau counties was reported. Mineral exploration and development has increased materially for other minerals also, specifically in the Thompson Falls area, the Troy Bull Lake area, the Helena area, Madison County, and the Stillwater area.

A \$10 million construction program is underway at the Ideal Cement Co. plant at Trident near Bozeman. Construction plans call for replacing major portions of the plant with new facilities and installation of an electrostatic precipitator to clean the exhaust from the plant kiln and other air pollution control equipment.

The value of construction materials (cement, clay, sand and gravel, and stone) increased by 7 percent over 1970 production.

Prepared December 27, 1971, in Division of Nonferrous Metals.

TABLE 1. - Mineral production in Montana 1/

Mineral	1970		1971 P/	
	Quantity	Value (thousands)	Quantity	Value (thousands)
Antimony-----short tons--	XX	XX	140	\$84
Clays 2/-----thousand short tons--	41	\$71	35	68
Coal (bituminous and lignite)-----do-----	3,447	6,394	6,600	12,870
Copper (recoverable content of ores, etc.)-----short tons--	120,412	138,955	101,145	105,393
Gem stones-----	NA	109	NA	109
Gold (recoverable content of ores, etc.)-----troy ounces--	22,456	817	17,380	713
Iron ore (usable)-----thousand long tons, gross weight--	14	W	W	W
Lead (recoverable content of ores, etc.)-----short tons--	996	311	600	166
Lime-----thousand short tons--	208	W	186	W
Manganese ore and concentrate				
(35 percent or more Mn)-----short tons, gross weight--	512	W	-----	-----
Natural gas-----million cubic feet--	42,705	4,399	e/45,000	e/4,725
Petroleum (crude)-----thousand 42-gallon barrels--	37,879	105,403	34,800	104,748
Pumice-----thousand short tons--	-----	-----	-----	-----
Sand and gravel-----do-----	19,275	20,249	19,705	20,709
Silver (recoverable content of ores, etc.)-----thousand troy ounces--	4,304	7,622	2,800	4,303
Stone-----thousand short tons--	3/6,501	3/6,896	6,111	6,621
Tungsten ore and concentrate---s.t., 60-percent WO3 basis--	9	23	9	20
Vermiculite-----thousand short tons--	W	W	159	3,751
Zinc (recoverable content of ores, etc.)-----short tons--	1,457	446	100	32
Value of items that cannot be disclosed: Antimony (1970), cement, clays (bentonite), fluorspar, gypsum, natural gas liquids, peat, phosphate rock, talc, tungsten, vermiculite, and values indicated by symbol W-----	XX	21,321	XX	20,586
Total-----	XX	313,016	XX	284,898

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 bentonite; included with "Value of items that cannot be disclosed."

3/ Excludes certain dimension stone; 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.

<b>BEAVERHEAD COUNTY</b>				<b>JEFFERSON COUNTY</b>		
Burgierosa	I	1970		Alta	U	1970
Canyon Creek and East LaMarche	I	1970		B and G	U	1970
Capitol (Cave Gulch)	I	1969		Carlson Prospect (North Boulder Group)	I	1970
Coolidge	I	1970		Elkhorn Queen	I	1970
Diadem Group (Arnold)	U	1970		Eva May	I	1970
Faithful	I	1970		Good Cheer	U	1969
Silver Belle Group	I	1970		Hardmore Group	U	1970
Queen of the Hills, 1, 2, 3, and 4	U	1970		Kyler Silica Deposit	I	1970
<b>BLAINE COUNTY</b>				Lotta	U	1970
Peter Kiewit Sons' Pit	I	1969		Silver Hill	U	1970
<b>BROADWATER COUNTY</b>				Silver Queen	I	1970
Gold Bug and Mary Rose	I	1969		Sunnyside	I	1970
Jeanette	U	1970		<b>JUDITH BASIN COUNTY</b>		
<b>CASCADE COUNTY</b>				Ralph Modic Pit	I	1971
Dacotah	I	1970		<b>LEWIS AND CLARK COUNTY</b>		
Mogul Lode	U	1970		Come Again and Crown Group	U	1970
<b>DEER LODGE COUNTY</b>				Empire	U	1970
Minnehaha, Horseshoe, and Helena	I	1970		Free Speech	U	1970
Pyrite	I	1970		<b>LIBERTY COUNTY</b>		
<b>FERGUS COUNTY</b>				Sweet Grass	I	1969
Barnes-King and Kendall	I	1970		<b>LINCOLN COUNTY</b>		
Big Grassy Group	I	1969		Iron Mask	U	1970
<b>FLATHEAD COUNTY</b>				<b>MADISON COUNTY</b>		
Sanko Creek	U	1970		Black Ace	I	1970
<b>GALLATIN COUNTY</b>				Kearsarge	U	1970
Karst	D	1970		Silver Queen	I	1970
<b>GOLDEN VALLEY COUNTY</b>				Uncle Sam	U	1970
R K R Pit	I	1970		White Pine	I	1970
<b>GRANITE COUNTY</b>				<b>MISSOULA COUNTY</b>		
Algonquin	I	1969		I aChambre Placer	I	1969
Big Expectation	U	1970		<b>PARK COUNTY</b>		
Bi-Metallic	I	1969		Crown Butte and Melissa	U	1969
Cadgie-Taylor	U	1970		<b>PHILIPS COUNTY</b>		
Carlin-One Dollar	I	1969		Little Rock No. 1 Pit	I	1969
Carter Hall	I	1969		<b>POWELL COUNTY</b>		
Cliff Millsite Manganese	I	1969		Charter Oak	I	1969
Confident, Radar, Castle Placer 1 and 2	U	1970		Price Group	U	1970
Douglas Creek	I	1969		<b>RICHUAND COUNTY</b>		
Elk-Moose	U	1970		Bemer	U	1971
Gold Reef	U	1970		<b>ROSEBUD COUNTY</b>		
Hawkeye	I	1969		Lame Deer	U	1970
Hobo	I	1969		<b>SHERIDAN COUNTY</b>		
Hope Tailings	I	1969		Acme	I	1970
Mountain Boy	I	1969		I agerquist	I	1970
Myers Quartz	I	1969		<b>SILVER BOW COUNTY</b>		
Nancy Hanks, Dewey, Mitchell, and Mussigbrod	I	1970		Badger	I	1970
Powell	I	1969		Maiden Rock	I	1969
Sally Ellen	I	1970		<b>TOOLE COUNTY</b>		
Sweet Home	U	1970		Gold Butte	I	1969
Sunset Placer	U	1971		<b>YELLOWSTONE COUNTY</b>		
True Fissure Manganese	I	1969		Montana Shale Pit	I	1970
September	U	1970				
<b>HILL COUNTY</b>						
Rocky Boy Quartz Deposit	I	1969				

## LIST OF NEW MINING COMPANIES INCORPORATED IN MONTANA IN 1971

## ARGUS DEVELOPMENT CO.

January 29, 1971  
 Donald R. Ferron  
 1305 S. Black, Bozeman, MT 59715

## BANNACK SILVER, INC.

August 4, 1971  
 Gerald D. Schultz  
 172 S. Third St., Hamilton, MT 59840

## BOLSON INDUSTRIES, INC.

October 5, 1971  
 John Bolinger  
 Box 552, Townsend, MT 59644

## D &amp; G INCORPORATED

April 12, 1971  
 Nancy Jean Dyba  
 Rte. 3, Bennett Ave., Billings, MT 59102

## FUTURE DEVELOPMENT INCORPORATED

July 15, 1971  
 Letmond Rose  
 11 N. 25th St., Billings, MT 59101

## GALLIUM GOLD &amp; SILVER, INC.

August 27, 1971  
 Leo Smith  
 1007 Cheyenne Road, Helena, MT 59601

## GLACIER MINING RESEARCH, INC.

April 12, 1971  
 Gail Fitzpatrick  
 East Glacier, MT 59434

## IMPERIAL RESOURCES, INCORPORATED

May 24, 1971  
 M. E. Rogers  
 1114 Leslie Ave., Box 72, Helena, MT 59601

## KING SILVER AND COPPER CO.

July 29, 1971  
 C. T. Corporation System  
 406 Fuller Ave., Helena, MT 59601

## MOLY TUNG MINES, INC.

July 16, 1971  
 Keith P. Johnson  
 8 First National Bank Bldg., Butte, MT 59701

## ROCK SPRINGS CORPORATION

January 6, 1971  
 James H. Morrow  
 120 W. Wallace, Virginia City, MT 59755

## SHINING MOUNTAIN PLASTICS

January 6, 1971  
 Ralph E. Waldo  
 201 N. First, Hamilton, MT 59840

## SILVER SKY MINING &amp; DEVELOPMENT CO.

October 15, 1971  
 James R. Tarr  
 2916 Parkhill Dr., Billings, MT 59102

## SKYLINE MINING CO.

January 6, 1971  
 A. A. Moser  
 Box 407, Hardin, MT 59034

## UNIVERSAL MINING &amp; EXPLORATIONS, INC.

July 8, 1971  
 Dirk Van Vuren  
 Maxville, MT 59850

## WESTERN MINING AND EXPLORATION CO.

November 18, 1971  
 William M. Hand  
 30 S. Arizona St., Dillon, MT 59725

## WILLIAMS-SHANNON, INC

April 5, 1971  
 James A. Poore, Jr.  
 Fourth Floor, Silver Bow Block  
 20 W. Granite St., Butte, MT 59701

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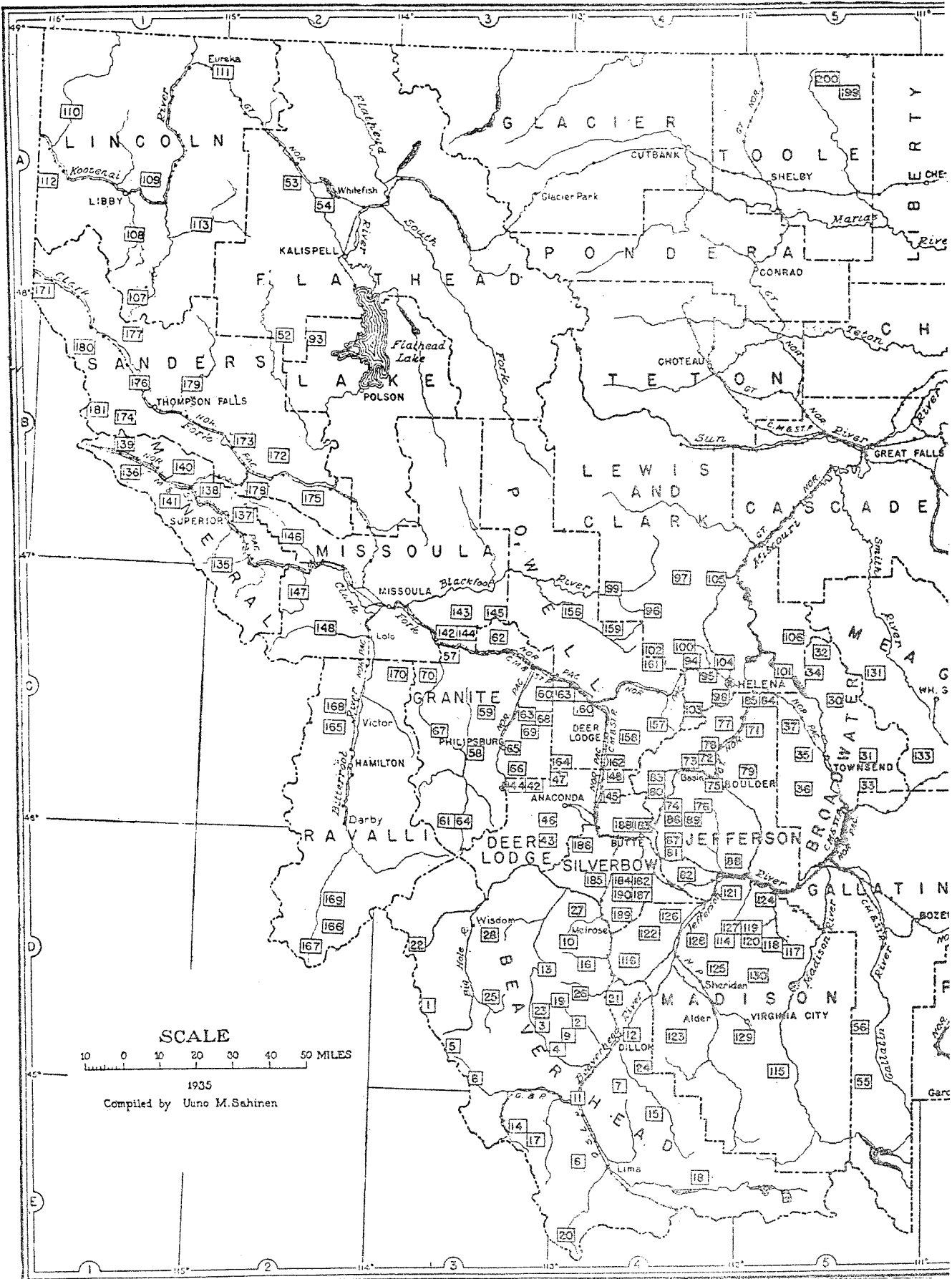
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**ALL MINERS AND PROSPECTORS SHOULD BE AWARE OF THE STATE LAW  
PERTAINING TO INSPECTION OF MINES**

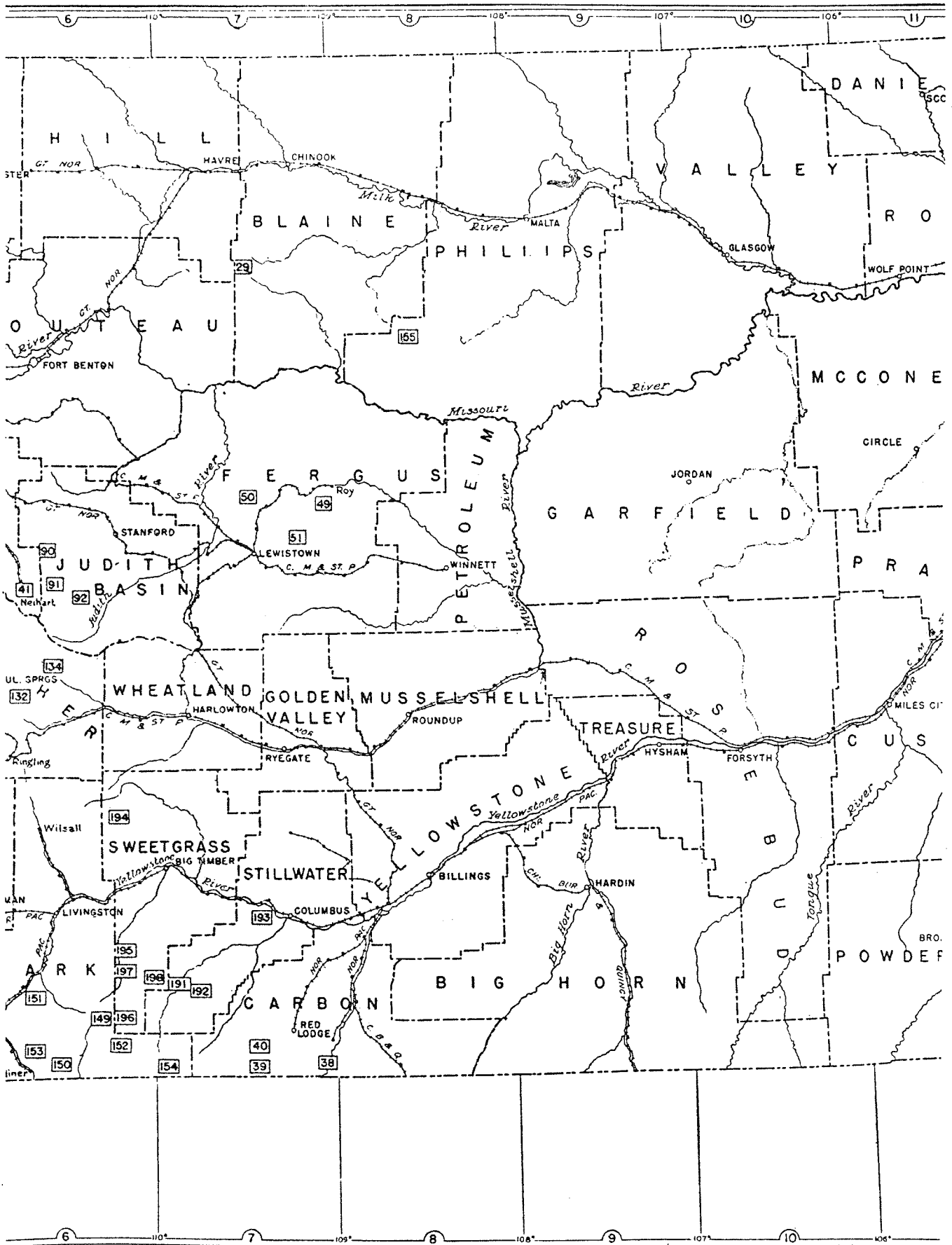
“This act shall apply to all mines (except coal and lignite) and individuals, owners, lessors, lessees, agents, partnerships, corporations, managers, operators, or employers operating any surface or underground metal or nonmetallic mines in this state. These individuals, owners, lessors, lessees, agents, 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)]





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