STATE OF MONTANA
Thomas L. Judge, *Governor*

BUREAU OF MINES AND GEOLOGY
S. L. Groff, *Director*

BULLETIN 92

April 1974

DIRECTORY OF MINING ENTERPRISES FOR 1973

with a
LIST OF COAL MINES, 1973

and a section on
THE MINERAL INDUSTRY OF MONTANA IN 1973



STATE OF MONTANA
BUREAU OF MINES AND GEOLOGY

S. L. Groff, Director

BULLETIN 92

DIRECTORY OF MINING ENTERPRISES FOR 1973

with a

LIST OF COAL MINES, 1973

Compiled by

Don C. Lawson
Montana Bureau of Mines and Geology

and a section on

THE MINERAL INDUSTRY OF MONTANA IN 1973

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
1974

CONTENTS

	Page
Introduction	1
Part 1, Metal mines	2
Antimony	2
Gold, silver, copper, lead, and zinc	2
Iron	24
Molybdenum	25
Thorium	25
Tungsten	25
Uranium	26
Gold placers	26
Part 2, Nonmetal mines, pits, and quarries	29
Barite	29
Bentonite	29
Clay	30
Fluorspar	31
Gypsum	31
Limestone	32
Phosphate	33
Beryllium	33
Sapphires	33
Semiprecious stones	34
Shale	34
Silica	35
Soil conditioners	35
Stone	36
Talc	38
Vermiculite	38
Part 3, Coal mines	39
Part 4, The mineral industry of Montana in 1973	41
Supplemental list of mining enterprises	43
List of new mining companies incorporated in Montana in 1973	44
Index of mines, mine owners, and operators	46
List of mining districts	57
List of strippable subbituminous and lignite coal fields	58

ILLUSTRATIONS

Plate

1. Map showing distribution of mining districts in Montana . . . . . (in back)

TABLES

Table

1. Mineral production in Montana 42

DIRECTORY OF MINING ENTERPRISES

FOR 1973

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 1973 and a report entitled "The Mineral Industry of Montana in 1973", 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

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

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
Birch Creek dist., sec. 17, 18, 19, 20, T. 5 S., R. 10 W.
Owner-Operator: George Langstaff
Bannack Star Route, Dillon, MT 59725
Employees: 2
Status: Producing

CARBONATE MINE Gold, silver, lead
Argenta dist., NE¼ SW¼ sec. 18, T. 6 S., R. 10 W.
Operator: Peter Antonioli and Son
1001 W. Gold, Butte, MT 59701
Owner: Western Mining and Exploration Co.
P.O. Box 1298, Dillon, MT 59725
Status: Produced

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

*Open pit

BEAVERHEAD COUNTY–Continued

COMET GROUP Gold, silver, lead
Elkhorn dist., sec. 26, T. 4 S., R. 12 W.
Owner: Blue Sky Mining Corp.
Dillon, MT 59725
Operator: GeoResources, Inc.
Box 1506, Williston, ND 58801
Employees: 2
Status: Developing

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
Status: Inactive

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: Inactive

GOODVIEW MINE Silver, gold, lead
Argenta dist., SW¼ SW¼ sec. 18, T. 6 S., R. 10 W.
Operator: Peter Antonioli and Son
1001 W. Gold, Butte, MT 59701
Owner: Western Mining and Exploration Co.
P.O. Box 1298, Dillon, MT 59725
Status: Produced

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: Developing

GROUND HOG MINE Gold, silver, lead
Argenta dist., SE¼ SE¼ sec. 18, T. 6 S., R. 10 W.
Operator: Peter Antonioli and Son
1001 W. Gold, Butte, MT 59701
Owner: Western Mining and Exploration Co.
P.O. Box 1298, Dillon, MT 59725
Status: Produced

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

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

**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: Inactive

*Open pit; **Open pit and underground

BEAVERHEAD COUNTY—Continued

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

**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
Wisdom, MT 59761
Status: Inactive

QUARTZ HILL GROUP Silver
Quartz Hill dist., sec. 25, T. 1 S., R. 11 W.
Operator: Charles P. Seel
Dillon, MT 59725
Owner: Quartz Hill Mining Co.
Box 2902, Portland, OR 97208
Status: Produced

**QUEEN OF THE HILLS MINE Gold
Vipond Park dist., sec. 9, 10, 15, 16, T. 2 S., R. 11 W.
Operator: GeoResources, Inc.
Box 1506, Williston, ND 58801
Owner: GeoResources, Inc., and Gunnar Johnson
Philipsburg, MT 59858
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: Produced

*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.
Owner-Operator: Silver Queen Exploration Ltd.
2114 Curtis St., Denver, CO 80205
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
Employees: 2
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: Inactive

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
Status: Inactive

*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 W.; sec. 32, T. 7 N., R. 1 E.
Owner: Nila Tyrrel
548 Stadler, Helena, MT 59601
Status: Developing

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

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

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: Produced

**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., sec. 23, T. 8 N., R. 1 W.
Owner-Operator: R. Gleason
P.O. Box 452, Deer Lodge, MT 59722
Status: Developing

PAYMASTER MINE Gold
Baker dist., NE¼ sec. 13, T. 10 N., R. 2 E.
Operator: Edward A. Johnson
P.O. Box 179, Jeffrey City, WY 82310
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
Cedar Plains dist., sec. 33, T. 5 N., R. 1 W.
Owner-Operator: W.R. Wade
Marysville, MT 59640
Status: Inactive

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: Developing

*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

SLIM SAM GROUP Gold, silver, lead
Radersburg dist., sec. 19, 20, 29, 30, T. 6 N., R. 1 W.
Owner-Operator: Art Roberts
Box 65, Radersburg, MT 59644
Status: Developing

SUMMIT (OLD SUMMIT) and BLACKHAWK MINE
Silver, lead, zinc
Cedar Plains dist., sec. 16, 17, 20, T. 4 N., R. 1 W.
Owner-Operator: Roy E. Nicolls
RFD, Toston, MT 59643
Employees: 2
Status: Produced, developing

*Open pit; **Open pit and underground

BROADWATER COUNTY—Continued

*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 59401

BULL OF THE WOODS MINE Silver, lead
Neihart dist.
Operator: Viking Mining & Engineering Co.
Box 36, Neihart, MT 59465
Owner: Claus L. Erlandson
Box 36, Neihart, MT 59465
Status: Inactive

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, zinc, molybdenum
Montana dist., sec. 28, T. 14 N., R. 8 E.
Operator: Dorothy Hatfield
2229 5th Ave. SW, Great Falls, MT 59404
Owner: Lexington Silver-Lead Mining Co.
2229 5th Ave. SW, Great Falls, MT 59404
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 Son
1001 W. Gold, Butte, MT 59701
Status: Inactive

**PONDEROSA MINE Silver, copper, lead, zinc
Neihart dist., sec. 15, T. 14 N., R. 8 E.
Operator: Western Oil and Gas Co., Inc.
Twin Falls, ID 83301
Owner: James M. Morgan
Box 653, Billings, MT 59101
Status: Inactive

*SILVER DYKE MINE Silver, lead, zinc
Neihart dist., sec. 10, T. 14 N., R. 8 E.
Owner-Operator: Peter J. Antonioli and Son
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: Developing

DEER LODGE COUNTY: Anaconda 59711

ALTURAS MINE Gold, silver
T. 5 N., R. 13 W.
Operator: Lee Wattula
Address unknown
Status: Unknown

APEX MINE Gold
Georgetown dist., sec. 4, T. 5 S., R. 13 W.
Owner-Operator: 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.
Attn. Lyle Heath, Sherman Plaza
901 Sherman, Suite 1218, Denver, CO 80203
Owner: The Anaconda Co.
Butte, MT 59701
Status: Inactive

*Open pit; **Open pit and underground

DEER LODGE COUNTY--Continued

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 264-AI, 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

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

**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

KENDALL MINE Gold
North Moccasin dist., sec. 31, T. 18 N., R. 18 E.
Operator: Geo-Surveys Gold, Ltd.
Colorado Springs, CO
Employees: 13
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

*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

REPUBLIC MINE Silver, lead, zinc
South Moccasin dist., sec. 23, T. 16 N., R. 17 E.
Owner-Operator: C.L. Kuhnhausen
2306 Markle Ave., Vancouver, WA 98660
Status: Inactive

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

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, produced

*Open pit; **Open pit and underbround

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.
1545 7th Ave. W., Kalispell, MT 59901
Owner: The Anaconda Co.
Butte, MT 59701
Employees: 9
Status: Producing, developing

SAN MEZCALITO MINE Silver, copper, barite
Star Meadows dist., NW¼ sec. 26, T. 31 N., R. 24 W.
Operator: Mark D. Storaasli
838 2nd Ave. E., Kalispell, MT 59901
Status: Developing

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
Employees: 2
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
Employees: 3
Status: Developing, produced

**BROOKLYN and D.G. MINE Silver, copper, lead, zinc, bismuth
Boulder Creek dist., SW¼ NE¼ sec. 4, 5, 9, 32, 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

CADGIE and TAYLOR LEASE Gold, silver
Flint Creek dist., SW¼ NE¼ sec. 19, T. 7 N., R. 13 W.
Operator: James W. Young
Box 342, Philipsburg, MT 59858
Status: Developing

*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

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

*Open pit; **Open pit and underground

GRANITE COUNTY–Continued

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

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

**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: 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.
Operator: James W. Young
Box 342, Philipsburg, MT 59858
Owner: Frank Antonioli
724 S. Western, Butte, MT 59701
Status: Producing

LYCOMING MINE Gold, silver, lead
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 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: William J. Robinson
2920 Floral Blvd., Butte, MT 59701
Status: Inactive

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: Ethel C. Heaney
Box 130, Philipsburg, MT 59858
Status: Developing

**QUEEN MINE Silver, lead
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, produced

SARANAC MINE Gold, silver
Philipsburg dist., T. 8 N., R. 13 W.
Operator: R.L. Lucier
Maxville, MT 59850
Owner: Princeton Mining Co.
Maxville, MT 59850
Mill capacity: 50 t/d
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

*SLUICE GULCH MINE Gold
Rock Creek dist.
Operator: GeoResources, Inc.
Box 1506, Williston, ND 58801
Status: Developing

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: 7
Status: Producing

*Open pit; **Open pit and underground

GRANITE COUNTY–Continued

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.
Owner: William Flynn
604 Locust, Anaconda, MT 59711
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

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

*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

CARLA, PAULINE and FAITH GROUP Silver, gold
Lowlands dist., sec. 3, T. 5 N., R. 7 W.
Owner-Operator: Josephine A. Favero
2701 Sherman, Butte, MT 59701
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, zinc
Cataract (Basin) dist., sec. 20, T. 7 N., R. 5 W.
Owner-Operator: Delbert and John 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: 6
Status: Developing, exploration

*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: 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

*FAIRVIEW MINE Lead, gold, silver, copper
Boulder dist., sec. 5, T. 6 N., R. 4 W.
Operator: V.R. Cazier, Boyd Cazier, H.F. Behrend
Toston, MT 59643
Owner: Maurice Hagman
Box 194, Boulder, MT 59632
Status: Produced, developing

*GOLDEN ASSETS MINE Gold, silver, copper, lead, zinc
Golconda dist., sec. 29, T. 7 N., R. 5 W.
Owner-Operator: Fred K. Madison
600 Whitaker 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

*Open pit; **Open pit and underground

JEFFERSON COUNTY--Continued

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: Inactive

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, producing

JIB (HOPE-KATIE) MINE Gold, silver
Basin-Cataract dist., sec. 17, 18, T. 6 N., R. 5 W.
Operator: LBM Construction, Inc.
1816 LaFayette St., Butte, MT 59701
Owner: Sylvanite, Inc.
43 E. Broadway, Butte, MT 59701
Employees: 7
Status: Producing

KADY GULCH GROUP Gold, silver, copper, lead, zinc
Colorado dist., sec. 1, T. 7 N., R. 5 W.; sec. 6, T. 7 N., R. 4 W.
Owner-Operator: Leber Mining Co.
36 S. Market St., Elizabethtown, PA 17022
Employees: 4
Status: Exploration

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: Inactive

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

*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

*Open pit

LOTTA MINE Gold, silver
Basin-Cataract dist., sec. 18, T. 6 N., R. 5 W.
Operator: LBM Construction, Inc.
1816 LaFayette St., Butte, MT 59701
Status: Producing

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: Inactive

MOUNTAIN QUEEN MINE Copper, silver, lead, zinc
Big Foot dist., sec. 27, T. 4 N., R. 5 W.
Owner-Operator: William Mulcahy
Box 631, Butte, MT 59701
Employees: 3
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: Inactive

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

JEFFERSON COUNTY—Continued

*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: Inactive

*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: Exploration

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: Inactive

VERA and MARIE MINE Silver
Cataract dist., sec. 33, T. 7 N., R. 5 W.
Operator: W.K. Miller
Basin, MT 59631
Status: Developing, produced

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: Developing

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: Inactive

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

*Open pit

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: Developing

**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
Mill capacity: 80 t/d
Status: Developing

**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: Inactive

**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: Inactive

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.
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

**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, uranium
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: 2
Status: Developing

LEXINGTON MINE Silver
Scratch Gravel dist., sec. 35, T. 11 N., R. 4 W.
Owner-Operator: Mary Ann Manger and Vincent Cope
Box 130, Townsend, MT 59644
Status: 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
Status: Unknown

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, produced

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

*Open pit; **Open pit and underground

LEWIS AND CLARK COUNTY—Continued

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: Inactive

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, Bigfork, MT 59911
Status: Developing

SAM GATY MINE Gold, silver, copper, lead
Tenmile dist., sec. 11, T. 10 N., R. 4 W.
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, 11, T. 9 N., R. 4 W.
Owner-Operator: Carl A. Tintinger
735 N. Montana Ave., Helena, MT 59601
Employees: 4
Status: Developing, producing

**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: Developing

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

*WIGGINS MINE Gold
Lincoln dist., sec. 31, T. 13 N., R. 8 W.
Owner-Operator: Bernie E. Nelson
1022½ N. 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

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

CABLEWAY GROUP Silver, lead, gold
Sec. 33, T. 28 N., R. 31 W.
Operator: Roy Norden
14 Meridian Rd., 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. (unorg.), 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

*Open pit; **Open pit and underground

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: G.A. Doornbos and E.A. Doornbos
Gallatin Gateway, MT 59730
Mill capacity: 5 t/d
Status: Inactive

**ALABAH MINE Gold, silver, lead, copper
Wisconsin dist., SE¼ sec. 32, T. 3 S., R. 4 W.
Operator: Steve Mortensen
Sheridan, MT 59749
Owner: Steve Mortensen and Jim Nicholls
Sheridan, MT 59749
Status: Developing, producing

*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: Ned Lapota
A & P Mining Co., Whitehall, MT 59759
Owner: Fred Box, Pony, MT 59747
Employees: 4
Status: Developing

BADGER NO. 1 and NO. 2 MINES Gold, silver
Lower Warm Springs dist., sec. 19, 20, T. 3 S., R. 1 E.
Owner-Operator: Earl Clopton
P.O. Box 66, Norris, MT 59745
Status: Developing

BESSIE AND GOLDEN WAVE MINE Gold, silver, copper, tungsten
Mineral Hill dist.
Owner-Operator: W.G. Forbes
Pony, MT 59747
Employees: 2
Status: Developing

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

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: 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: 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 LODE MINE Gold, silver
Mineral Hill dist., sec. 15, T. 2 S., R. 3 W.
Owner-Operator: Chester G. Horton, Jr.
P.O. Box 1962, Eugene, OR 97401
Status: Developing

*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

*Open pit; **Open pit and underground

MADISON COUNTY—Continued

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: 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.
Operator: United Investors Corp.
546 DeSoto St., Salt Lake City, UT 84103
Owner: Gold Bell Mining Co.
Colorado Springs, CO
Mill capacity: 100 t/d
Status: Produced, developing

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: 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
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

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: Inactive

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. 33, T. 6 S., R. 3 W.
Owner-Operator: R.H. Rogers
Box 11, Alder, MT 59710
Status: Produced

*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, 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: 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.
Owner-Operator: Shermont Mining Co.
c/o John Magnus, Sheridan, MT 59749
Employees: 4
Mill capacity: 100 t/d
Status: Produced, developing

*Open pit

MADISON COUNTY–Continued

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

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 and Dorothy M. Layton, 3104 Busch, Butte, MT 59701
Mill capacity: 20 t/d
Employees: 2
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

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
Mill capacity: 100 t/d
Status: Developing

UNION MINE Gold, silver
Sec. 21, T. 2 S., R. 8 W.
Operator: Solar Silver Mines, Inc.
West 1505 - 4th, Spokane, WA 99204
Owner: Jim McLaughlin
Sheridan, MT 59749
Status: Inactive

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-Operator: A.J. Burchak and Travis Belue
Box 11, Lavina, MT 59046
Status: Developing

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: Unknown

*KING GROUP Lead, silver, copper, gold
Tenderfoot (unorg.) dist., sec. 26, T. 14 N., R. 4 E.
Owner-Operator: John Zubrick
P.O. Box 109, White Sulphur Springs, MT 59645
Status: Developing

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: Developing

*Open pit

MEAGHER COUNTY--Continued

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

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

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

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
Employees: 2
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
Employees: 3
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
Mill capacity: 150 t/d
Status: Inactive

*Open pit; **Open pit and underground

MINERAL COUNTY–Continued

PROSPERITY MINE Silver, copper, lead
Keystone dist., T. 18 N., R. 26 W.
Operator: Par-D Mining and Development Co.
Box 43, Thompson Falls, MT 59873
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: Unknown

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: Isabel V. Graham
RFD, Missoula, MT 59801
Status: Produced

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

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: Developing

*FRANCES MINE Copper, silver, gold, lead, antimony
Nine Mile dist., sec. 5, 7, 8, T. 17 N., R. 24 W.
Operator: J.L. Waylett and Ken Simon
St. Regis, MT 59866
Owner: J.L. Waylett
231 W. Sussex Ave., Missoula, MT 59801
Mill capacity: 50 t/d
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
Owner: Jenlo Mining Co.
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: Unknown

*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 LODE 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: 3
Status: Developing

*Open pit; **Open pit and underground

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
Columbus, MT 59019
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

PETE PEAR GROUP Gold, silver
Emigrant dist., sec. 31, T. 7 S., R. 9 E.
Owner-Operator: David W. Harris
7135 Hollywood Blvd., Hollywood, CA 90046
Status: Inactive

PHILLIPS COUNTY: Malta 59538

GOLD BUG-LITTLE BEN MINE Gold, silver
Little Rockies dist., sec. 15, T. 25 N., R. 24 E.
Operator: Pickle Crow Explorations
Landusky, MT 59533
Owner: Little Rockies Mining & Development Co.
Lewistown, MT 59457
Employees: 7
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
Mill capacity: 500 t/d
Status: Inactive

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

POWELL COUNTY: Deer Lodge 59722

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

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
Status: Inactive

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

*Open pit; **Open pit and underground

POWELL COUNTY–Continued

**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.
400 Milwaukee, Deer Lodge, MT 59722
Owner: Mrs. Fern Johnson
400 Milwaukee, Deer Lodge, MT 59722
Status: Developing

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
Status: Developing

NANCY HELEN 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

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.
St. Regis, MT 59866
Owner: Nelson Mines
Harold G. Nelson, Sr., Greenough, MT 59836
Status: Inactive

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: Producing

**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: Unknown

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: Unknown

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: Unknown

RAVALLI COUNTY: Hamilton 59840

*CURLEW MINE Silver, lead
Pleasant View dist., sec. 13, T. 8 N., R. 21 W.
Operator: Victor-Curlew Mining Co., Inc.
P.O. Box 1537, Seattle, WA 98103
Owner: Holter Estate, c/o First National Bank
302 N. Main, Helena, MT 59601
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

*Open pit; **Open pit and underground

RAVALLI COUNTY—Continued

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: Developing

*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 2d 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-Operator: 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: Arthur Jenson
Heron, MT 59844
Owner: J.P. Swann and others
E. 910½ Hawthorne Rd., Spokane, WA 99218
Status: Inactive

EDDY CREEK MINE Gold, silver, copper, lead
Eddy Creek dist., sec. 16, 21, T. 20 N., R. 28 W.
Owner-Operator: The State Mining Co.
W.W. Stearns, Box 141, Plains, MT 59859
Status: Inactive

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: Unknown

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: Unknown

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

*Open pit

SANDERS COUNTY–Continued

*LUCKY STRIKE MINE Copper, gold
Revais Creek dist., sec. 33, T. 18 N., R. 22 W.
Operator: Bert Browning
Star Route, Dixon, MT 59831
Owner: Mrs. Mabel Ashcroft
Revais Creek Route, Dixon, MT 59831
Employees: 1
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 William L. Burns
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.
Skokie, IL
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

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: Inactive

*CLIMAX (APEX) LODE GROUP Gold, silver
Divide Creek dist., sec. 5, 6, T 1 N., R. 8 W.
Operator: James S. Knowlson, V
1324 Platinum, 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 Antonioli
724 S. Western Ave., Butte, MT 59701
Employees: 1
Status: Produced

*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: Developing

**FISH CREEK MINE Silver, copper
Highland dist., sec. 31, 32, T. 1 N., R. 7 W.
Operator: GeoResources, Inc.
Box 1506, Williston, ND 58801
Owner: Howard Stratton and GeoResources, Inc.
Butte, MT 59701
Employees: 3
Status: 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
Employees: 182
Status: Hoisting facility and auxiliary plant services to producing mines

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: 205
Status: Producing, developing

*Open pit; **Open pit and underground

SILVER BOW COUNTY—Continued

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

**OVERLOOK GROUP MINE Gold, silver, copper, tungsten
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
5039 N. 28th St., Milwaukee, WI 53209
Mill capacity: 25 t/d
Status: Developing

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

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
Employees: 325
Status: Producing

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: Unknown

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 and Arthur W. Sitton
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 and Arthur W. Sitton
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

*Open pit; **Open pit and underground

MOLYBDENUM MINES

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. (unorg.), 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 90010
Status: Developing

TUNGSTEN MINES

BEAVERHEAD COUNTY: Dillon 59725

*CALVERT MINE Sheelite
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: 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

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
5039 N. 28th St., Milwaukee, WI 53209
Status: Developing

*Open pit; **Open pit and underground

URANIUM MINES

CARBON COUNTY: Red Lodge 59068

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

JEFFERSON COUNTY: Boulder 59632

FREE ENTERPRISE URANIUM-RADON MINE
Boulder dist., sec. 22, T. 6 N., R. 4 W.
Operator: Wade V. Lewis, Pres., Elkhorn Mining Co.
Boulder Bank Bldg., Boulder, MT 59632
Owner: Elkhorn Mining Co.
Boulder, MT 59632
Employees: 5
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: Produced

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: Unknown

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

WOLVERINE PLACER Gold
Operator: Wolverine Mining, Inc., c/o Thomas H. Mahan
Rm. 304, Union Bank Bldg., Helena, MT 59601
Owner: Wilbur J. Zepp and others
9457 S. Las Vegas Blvd., Las Vegas, NV 89109
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

*Open pit; **Open pit and underground

GOLD PLACERS—Continued

JEFFERSON COUNTY—Continued

*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: Inactive

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
Status: Unknown

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
7952 S. Sand Rd., Union Mills, IN 46382
Employees: 1
Status: Producing

MADISON COUNTY: Virginia City 59755

BUBANY PLACER Gold
Virginia City dist., sec. 16, 21, T. 6 S., R. 3 W.
Owner-Operator: 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: Unknown

MEAGHER COUNTY: White Sulphur Springs 59645

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

YERDON PLACER Gold
Meagher dist. (unorg.)
Owner: Frank Duval, Golden Cycle Corp.
P.O. Box 4576, Colorado Springs, CO 80909
Status: Inactive

MINERAL COUNTY: Superior 59872

*BETTY PLACER Gold
SE¼ NE¼ SW¼, SE¼ SW¼ SW¼ sec. 8; N½ N½ NW¼ 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: Produced

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

*Open pit

GOLD PLACERS—Continued

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: Unknown

*ROBIN L. PLACER Gold
Nine Mile dist., sec. 21, T. 17 N., R. 24 W.
Owner-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: Unknown

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-Operator: H.C. Craig and Co.
411 Hyde Bldg., Spokane, WA 99201
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: Producing

*LEPRECHAUN PLACER Gold
Ophir dist., NW¼ 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: Producing

OLD SHOE NO. 1 PLACER Gold
Finn dist.
Owner-Operator: A.H. Roat and Sons
Box 266, Alberton, MT 59820
Status: Inactive

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: Inactive

*Open pit

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: Unknown

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
Mill capacity: 1,000 t/d
Status: Inactive

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 6387, Duluth, MN 55806
Owner: Brazil Creek Bentonite Co.
Box 907, Glasgow, MT 59230
Status: Produced

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 6387, Duluth, MN 55806
Mill capacity: 100 t/hr
Status: Inactive

*Open pit

BENTONITE PITS—Continued

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 6387, Duluth, MN 55806
Employees: 19
Mill capacity: 100 t/hr
Status: Producing

VALLEY COUNTY: Glasgow 59230

*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

*GLASGOW PITS Bentonite
Owner-Operator: Federal Bentonite Co.
4614 Prospect Ave., Cleveland, OH 44103
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: Produced

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

*Open pit

CLAY MINES AND PITS—Continued

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
Employees: 5
Mill capacity: 50 t/hr
Status: Produced

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: Developing

**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

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: 6
Mill capacity: 2,000 t/wk
Status: Produced

*Open pit; **Open pit and underground

GYPSUM MINES—Continued

MADISON COUNTY: Virginia City 59755

*PIKA GYPSUM DEPOSIT Gypsum
Cottonwood dist., (unorg.), 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

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: 74
Mill capacity: 5,000 b/d
Status: Produced

*Open pit

LIMESTONE MINES AND QUARRIES—Continued

POWELL COUNTY: Deer Lodge 59722

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

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: 190
Status: Producing, developing

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.
Operator: John M. Robinson, c/o Blair W. Stewart
4421 Riverside Dr., Burbank, CA 91505
Employees: 5
Status: 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

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

BERYLLIUM MINES

MINERAL COUNTY: Superior 59872

*COFFEE POT LODE Beryllium, emerald
Sec. 17, T. 14 N., R. 25 W.
Owner-Operator: A.H. Welling
2144 Kensington Ave., Missoula, MT 59801
Status: Inactive

SAPPHIRE MINES

GRANITE COUNTY: Philipsburg 59858

CHAUSSEE SAPPHIRE CORP. Sapphire
West Fork Rock Creek, T. 6 N., R. 16 W.
Operator: Kenneth W. Clevish
Box 706, Philipsburg, MT 59858
Owner: Wil Chaussee
Box 706, Philipsburg, MT 59858
Employees: 9
Status: Producing

*Open pit

SAPPHIRE MINES—Continued

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 International Corp.
21241 Ventura Blvd., Suite 190
Woodland Hills, CA 91364
Employees: 40
Mill capacity: 300 t/d
Status: Producing, developing

LEWIS AND CLARK COUNTY: Helena 59601

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

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

*Open pit

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: Inactive

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

MINERAL COUNTY: Superior 59872

M & C CLAIMS Silica
Quartz Creek dist., 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: Producing

*Open pit

SOIL CONDITIONERS—Continued

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

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
Employees: 3
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: Produced

FLATHEAD COUNTY: Kalispell 59901

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

*Open pit

STONE QUARRIES—Continued

GALLATIN COUNTY: Bozeman 59715

*PICTURE FLAGSTONE QUARRY Picture flagstone
Sec. 29, T. 2 N., R. 4 E.
Owner-Operator: Orie B. McElwee Estate
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

PARK COUNTY: Livingston 59047

GARDINER TRAVERTINE QUARRY Building stone
Sec. ?, T. 9 S., R. 8 E.
Operator: The Gardiner Travertine, Inc., of Gardiner, Montana, c/o Gerald Wing, Route 2, Box 260, Bozeman, MT 59715
Owner: Clesson Hayes
Gardiner, MT 59030
Employees: 2
Status: Produced

*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: 14
Status: Developing

RAVALLI COUNTY: Hamilton 59840

*BITTERROOT VALLEY STONE QUARRY Ornamental stone
Sec. 7, T. 4 N., R. 21 W.
Owner-Operator: Henry Andrews
Box 1275, Route 1, Hamilton, MT 59840
Status: Produced

*Open cut

STONE QUARRIES–Continued

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: Produced

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 and Bill Pettus
Box 118, Alder, MT 59710
Status: Developing

*SNOW CAP MINE Talc
Owner-Operator: W. M. Cocanougher
Twin Bridges, MT 59754
Mill capacity: 30,000 t/d
Status: Unknown

*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: 9
Status: Producing, developing

*TREASURE CHEST 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: 11
Status: Producing

*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: 35
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: 300
Mill capacity: 500 t/d
Status: Producing

*Open pit; **Open pit and underground

VERMICULITE MINES—Continued

MADISON COUNTY: Virginia City 59755

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

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

PART 3, COAL MINES

BIG HORN COUNTY: Hardin 59034

*ROSEBUD TONGUE RIVER MINE Coal
Decker dist., sec. 33, T. 8 S., R. 40 E.
Operator: Rosebud Coal Sales Co.
Box 746, Sheridan, WY 82801
Owner: Peter Kiewit Sons' Co.
Box 746, 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
Glendive, MT 59330
Status: Producing

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

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

*Open pit; **Open pit and underground

COAL MINES—Continued

MUSSELSHELL COUNTY—Continued

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

*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

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
Status: Produced

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

POWDER RIVER COUNTY: Broadus 59317

*COAL CREEK MINE Coal
Sec. 3, T. 3 S., R. 45 E.
Operator: John Schoonover
Box 94, Ashland, MT 59003
Status: Producing

RICHLAND COUNTY: Sidney 59270

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

ROSEBUD COUNTY: Forsyth 59327

*BIG SKY MINE Coal
Sec. 27, T. 1 N., R. 41 E.
Owner-Operator: Peabody Coal Co.
Colstrip, MT 59323
Employees: 53
Status: Producing

*ROSEBUD NO. 6 MINE Coal
Rosebud dist., sec. 17, 18, T. 1 N., R. 41 E.
Operator: Western Energy Co.
Colstrip, MT 59323
Owner: The Montana Power Co.
Butte, MT 59701
Employees: 150
Status: Producing

*Open pit

PART 4. THE MINERAL INDUSTRY OF MONTANA IN 1973

MINERAL INDUSTRY SURVEYS

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

Rogers C. B. Morton, Secretary — John D. Morgan, Jr., Acting Director

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

Annual, Preliminary

THE MINERAL INDUSTRY OF MONTANA IN 1973

In 1973, Montana's mineral production was valued at $362 million, an increase of 18 percent compared with the 1972 value, according to the Bureau of Mines, U.S. Department of Interior. There were substantial increases in production of copper, gold and silver primarily due to higher prices. Copper accounted for 43 percent of Montana's total mineral production value in 1973 as compared with 39 percent in 1972.

Petroleum production remained about the same but the value increased about 8 percent over that in 1972. The value of coal production rose 31 percent to an estimated $22 million, while the value of natural gas increased about 58 percent over that in 1972.

Outputs of nonmetallic minerals were about the same, although the production of stone was down slightly; cement increased in both tonnage (11 percent) and value (19 percent).

During the year, The Anaconda Company was granted a permit for a new copper mine, Continental East, an open-pit in the Columbia Gardens area, east of Butte. The company's reclamation plan, required by Montana's reclamation law, was accepted by the administrator of the reclamation law. Production from the new pit was scheduled to start November 15, 1973, with the planned rate to reach 17,000 tons of ore per day. Plans called for the ore to be processed at the concentrator in Anaconda.

Interest grew in use of low sulfur coal in eastern Montana as a source of electrical energy. A top issue in the State was how to develop these coal resources without adverse effect to the environment. The State Land Board gave final approval to rules governing mining activities in the State. The most significant announcement in the rules was that all existing stripping contracts with the State would be cancelled as of December 15, 1973. Thus, all companies were required to submit new applications for mining prior to that date. Also in the rules and regulations was a requirement for the State agency to file an impact statement on each application to mine coal. By November coal mining companies had applied to the State Land Board to renew their contracts and awaited notices of renewal with possible new provisions injected to prevent mining of certain areas or to otherwise alter proposed mining plans of the companies.

Prepared January 7, 1974, in the Division of Nonferrous Metals.

Table 1. - Mineral production in Montana 1/

Mineral	1972 Quantity	1972 Value (thousands)	1973 p/ Quantity	1973 p/ Value (thousands)
Antimony----------short tons--	W	W	340	W
Clays 2/----------thousand short tons--	304	$1,590	268	$1,516
Coal (bituminous and lignite)---------do-----	8,221	16,690	9,950	21,900
Copper (recoverable content of ores, etc.) short tons--	123,110	120,064	129,825	154,492
Gem stones----------	NA	120	NA	120
Gold (recoverable content of ores etc.) troy ounces--	23,725	1,390	26,625	2,561
Iron ore (usable) thousand long tons, gross weight--	9	W	9	W
Lead (recoverable content of ores, etc.) short tons--	287	86	190	62
Lime----------thousand short tons--	242	3,003	208	2,750
Manganese ore and concentrate (35 percent or more Mn)-------short tons, gross weight--	578	W	236	W
Natural gas----------million cubic feet--	33,474	4,117	46,465	6,505
Peat----------thousand short tons--	1	W	1	W
Petroleum (crude)-thousand 42-gallon barrels-	33,904	103,924	34,190	112,143
Sand and gravel---------thousand short tons--	10,116	17,149	10,317	17,538
Silver (recoverable content of ores, etc.) thousand troy ounces--	3,325	5,603	4,175	10,538
Stone----------thousand short tons--	4,074	5,627	3,919	5,451
Zinc (recoverable content of ores, etc.) short tons--	12	4	370	148
Value of items that cannot be disclosed: Cement, fire clay, fluorspar, gypsum, natural gas liquids, phosphate rock, talc, tungsten ore and concentrate, vermiculite, and values indicated by symbol W----------	XX	22,309	XX	26,733
Total----------	XX	301,676	XX	362,457

p/ Preliminary. NA Not available. W Withheld to avoid disclosing individual company confidential data; included with "Values of items that cannot be disclosed." 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		
Blue-Eyed Annie	I	1973
Canyon Creek and East LaMarche	I	1970
Diadem group (Arnold)	U	1970
Faithful	I	1970
Silver Belle group	I	1970
BROADWATER COUNTY		
Jeanette	U	1970
CASCADE COUNTY		
Dacotah	I	1970
Mogul lode	U	1970
DEER LODGE COUNTY		
Pyrite	I	1970
FLATHEAD COUNTY		
Sanko Creek	U	1970
GALLATIN COUNTY		
Karst	D	1970
GOLDEN VALLEY COUNTY		
R. K. R. pit	I	1970
GRANITE COUNTY		
Big Expectation	U	1970
Elk-Moose	U	1970
Gold Reef	U	1970
Granite Bi-Metallic	U	1972
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
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
Mammoth	I	1972
Silver Hill	U	1970
Silver Queen	I	1970
Sunnyside	I	1970
JUDITH BASIN COUNTY		
Ralph Modic pit	I	1971
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
Old Bachelor	I	1973
LINCOLN COUNTY		
Iron Mask	U	1970
MADISON COUNTY		
Black Ace	I	1970
Kearsarge	U	1970
Silver Queen	I	1970
Uncle Sam	U	1970
MINERAL COUNTY		
Last Chance	I	1972
MISSOULA COUNTY		
Hidden Treasure, Cape Nome	I	1972
PARK COUNTY		
W.M. Clayton placer	I	1972
POWELL COUNTY		
Master placer	U	1972
Price group	U	1970
RAVALLI COUNTY		
Whipperwill	I	1972
RICHLAND COUNTY		
Bemer	U	1971
ROSEBUD COUNTY		
Lame Deer	U	1970
SANDERS COUNTY		
Sales	I	1972
SHERIDAN COUNTY		
Acme	I	1970
Lagerquist	I	1970
SILVER BOW COUNTY		
Badger	I	1970
YELLOWSTONE COUNTY		
Montana shale pit	I	1970

LIST OF NEW MINING COMPANIES INCORPORATED IN MONTANA IN 1973

ANDRESEN AGRICULTURAL ENTERPRISES, INC.
March 12, 1973
Bartel W. Andresen, Jr.
112 Main St., Wolf Point, MT 59201

APEX GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

BIG BLUE SAPPHIRE COMPANY, INC.
June 7, 1973
Robert L. Johnson
507 Montana Bldg., Lewistown, MT 59457

CAL, INC.
March 30, 1973
C T Corporation System
406 Fuller Ave., Helena, MT 59601

CASCADE GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

CHIEF JOSEPH GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

CREVASSE MOUNTAIN MINING COMPANY
December 20, 1973
Mark P. Sullivan
2101 Harrison Ave., Butte, MT 59701

D. M. H. ENTERPRISES, INC.
March 7, 1973
Kent R. Douglass
113 West Callendar St., Livingston, MT 59047

FLINT CREEK LAND, INC.
March 16, 1973
John D. Bucher
Drummond, MT 59832

GARDINER TRAVERTINE, INC. OF GARDINER, MONTANA, THE
September 6, 1973
Gerald Wing
Route 2, Box 260, Bozeman, MT 59715

GOLD RANCH MINING CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

INTERMOUNTAIN MINING AND REFINING COMPANY
June 14, 1973
Leonard J. Haxby
120 W. Granite St., Butte, MT 59701

KENNETT GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

LITTLE ROCKIES GOLD MINING RESOURCES
August 13, 1973
Gerald Walsh
Dodson, MT 59524

MIDAS, INC.
May 7, 1973
Waldo H. Pust
Box 48, Savage, MT 59262

MINE-X, INC.
June 8, 1973
William G. Forbes
Box 656, Pony, MT 59747

MONTANA GOLD MINES, INC.
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

MONTANA PACIFIC OIL AND GAS CO.
December 19, 1973
R. G. Anderson
153 Main St., Shelby, MT 59474

MONTANA RECLAMATION, INC.
May 10, 1973
Donald P. Hammond
P. O. Box 575, Superior, MT 59872

MONTCANA HOLDINGS LTD.
March 2, 1973
Arnold Olsen
347 N. Last Chance Gulch, Helena, MT 59601

MONTE GRANDE EXPLORATION, INC.
March 16, 1973
Joseph V. Montalban
33 1st Ave. SW, Cut Bank, MT 59427

MOUNTAIN VIEW RANCHES, INC.
October 12, 1973
Melvin D. Palin
313 Missouri Ave., Deer Lodge, MT 59722

NORTHMONT RESOURCE & EXPLORATION CO.
August 20, 1973
Mark J. Antonioli
1001 W. Gold St., Butte, MT 59701

ORO-ENERGY, INC.
May 14, 1973
Roy Davidson
Route 1, Box 142, Victor, MT 59875

PEGGY ANN MINE, INC.
April 10, 1973
Cornelius E. Mannix
Bozeman, MT 59715

PETROLEASE
March 5, 1973
W. B. Sherman
19 Fourth Avenue SW, Conrad, MT 59425

RESERVE CENTRAL, INC.
April 9, 1973
Ralph W. Quinn
3410 Reserve St., Missoula, MT 59801

ROCHESTER GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

RY & K DEVELOPMENT COMPANY
July 11, 1973
Howard T. Kruse
Box 47, Pony, MT 59747

S & L ENERGY, INC.
March 2, 1973
John D. Lawrence
Worden, MT 59088

SUNRISE MINING COMPANY
July 9, 1973
Shelton R. Williams
Libby, MT 59923

TOBACCO ROOT GOLD CORPORATION
June 19, 1973
Chester Lloyd Jones
Virginia City, MT 59755

VALLEY ENTERPRISES, INC.
May 7, 1973
Rowena Sturdevant
1733 South Ave. West, Missoula, MT 59801

INDEX OF MINES, MINE OWNERS, AND OPERATORS

A and P Mining Co. . . . 15
Abbott, G.S. . . . 7
Adams, Owen . . . 3
Adele mine . . . 13
Agitator mine . . . 15
Ajax mine . . . 2
Alabah mine . . . 15
Alameda and Bamboo Chief mine . . . 15
Alameda Metals, Inc. . . . 15
Allen, Charles B. . . . 36
Allman, Glenn . . . 13
All placer . . . 27
Alturas mine . . . 6
Amazon (Red Fir) mine . . . 23
American Boy (North Gould group) mine . . . 13
American Colloid Co. . . . 29
American Colloid pit . . . 29
Anaconda Company, The . . . 6, 8, 23, 24, 32, 35
Anderson and Antonioli . . . 12
Anderson, R.G. . . . 44
Anderson (Warm Springs Creek, Brock) mine . . . 33
Andresen Agricultural Enterprises, Inc. . . . 44
Andresen, Bartel W., Jr. . . . 44
Andrews, Henry . . . 37
Anliker, Nickolus F. . . . 28
Antonioli and Anderson . . . 12
Antonioli, Frank . . . 9, 23
Antonioli, Mark J. . . . 45
Antonioli, Peter J. and Son . . . 3, 6
Apex Gold Corporation . . . 44
Apex mine (Deer Lodge Co.) . . . 6
Apex (Climax Lode group) mine (Silver Bow Co.) . . . 23
Aquarius mine . . . 10
Argenta Porphyry group . . . 2
Argenta Silver Development Co. . . . 3
Argo, Rex, Copper Queen group . . . 5
Ashcroft, Mrs. Mabel . . . 23
Associated Minerals Exploration . . . 13
Atlantic Pacific mine . . . 15
Aune, Leif . . . 25

Babbit mine . . . 2
Badger No. 1 and No. 2 mines . . . 15
Badovinus, George . . . 40
Bair, Ralph E. . . . 39
Bamboo Chief and Alameda mine . . . 15
Bar group . . . 20
Barmont Mines, Inc. . . . 11
Barry Dean mine . . . 20
Basin Quartz quarry . . . 35
Battermann, E.H. . . . 12
Bauska, Glen . . . 8
Bauska, Glen, and others . . . 8
Bear Gulch Development Co. . . . 26
Bear Gulch placer . . . 26
Bearpaw Development Co. . . . 4
Beaver, Raymond L. . . . 12
Beaverhead mine . . . 38
Beer-Henke placer . . . 28
Behrend, H.F. . . . 10
Bellview mine . . . 19
Belue, Travis . . . 17
Belus, M.L. . . . 3
Beniger, F. . . . 5
Bennett, Carroll R. . . . 6
Bennett, Richard C. . . . 6
Bennetts, Harry, Estate . . . 17
Berg, Carl . . . 17
Bergloff, C.L. . . . 7
Berglund, Forest . . . 7
Berkeley pit . . . 23
Bessie and Golden Wave mine . . . 15
Betty placer . . . 27
Beverly group . . . 15
Big Blue Sapphire Company, Inc. . . . 44
Big Eight, Inc. . . . 14
Big Eight mine (Cabinet lease) . . . 14
Big Horn Calcium Co. . . . 32
Big Horn Limestone Co., The . . . 32
Big Major mine . . . 10
Big Sky 1 and 2 mine . . . 14
Big Sky mine . . . 40
Big Tom mine . . . 15
Big West Resources . . . 3, 4
Bins mine . . . 15
Bissell, Frank . . . 23
Bitterroot Valley stone quarry . . . 37
Black and White Mining Co. . . . 8
Black Bull mine . . . 7
Black Canyon placers . . . 26
Blackhawk and Summit (Old Summit) mine . . . 5
Black Pine tailings . . . 8
Black Traveler and Buloring mines . . . 18
Bluebird group . . . 5
Blue Bird mine (Granite Co.) . . . 8
Blue Bird mine (Lewis and Clark Co.) . . . 13
Blue Creek (Lucky Star) mine . . . 22
Blue Flame mine . . . 39
Blue Grouse group . . . 8
Blue Mountain Mines, Inc. . . . 15
Blue Nose mine . . . 25
Blue Sky Mining Corp. . . . 3
Bobby Boy mine . . . 13
Boeh, Omer H. . . . 3

Bonanza group . . . 18
Bonanza mine . . . 5
Boulder-Cobalt mine . . . 15
Box, Fred . . . 15
Boyce, Stanley L. . . . 11
Brady, J.V. . . . 4
Brazil Creek Bentonite Co. . . . 29, 30
Brazil Creek pit (Phillips Co.) . . . 29
Brazil Creek pit (Valley Co.) . . . 30
Broadgauge Mine, Inc. . . . 17
Broadwater and Moulton mine . . . 6
Brock (Anderson, Warm Springs Creek) mine . . . 33
Broken Hill mine . . . 22
Brooklyn and D.G. mine . . . 8
Brooks, J.C. . . . 22
Brooks, J.C., and others . . . 23
Brown, Alan D. . . . 5
Brown, Claude H. . . . 4
Browning, Bert . . . 23
Browns quarry . . . 32
Bryan mine . . . 18
Bubany placer . . . 27
Bubany, Tony . . . 27
Bucher, John D. . . . 44
Buglar Creek mine . . . 17
Bullion mine . . . 10
Bullion and Hope mine . . . 11
Bullock, Delbert . . . 10
Bullock, D.M. . . . 10
Bullock, John . . . 10
Bull of the Woods mine . . . 6
Buloring and Black Traveler mines . . . 18
Buloring Mining Co. . . . 18
Buls, Charles P. . . . 18
Bumblebee mine . . . 20
Burbon mine . . . 17
Burchak, A.J. . . . 17
Burchak, Alex J., and others . . . 17
Burgierosa mine . . . 2
Burlington Northern, Inc. . . . 37
Burnham, D.C., and others . . . 7
Burnham, Dean C. . . . 7
Burns, Larry . . . 27
Burns, William L. . . . 23
Buschmann, August, Estate . . . 8
Buster mine . . . 2
Butler, M.M. . . . 21
Byam, Charles . . . 9
Byam, Norman . . . 9

Cabinet lease (Big Eight mine) . . . 14
Cableway group . . . 14
Cadgie and Taylor lease . . . 8
Calico clay pit . . . 30
Cal, Inc. . . . 44
Callantine, Oran . . . 15
Calvert mine . . . 25
Calvin mine (Commonwealth group) . . . 15
Cameron (Yellowstone) mine . . . 38
Campbell, U.C. . . . 38
Camp Robber placer . . . 27
Canyon Creek quarry . . . 35
Cape Nome mine . . . 12
Carbonate mine . . . 2
Carla, Pauline and Faith group . . . 10
Carlson, Jack H. . . . 39
Carlson, Victor . . . 39, 40
Carruthers, David, and others . . . 21
Carver tailings . . . 23
Cascade Gold Corporation . . . 44
Casper, James A. . . . 12
Cazier, Boyd . . . 10
Cazier, V.R. . . . 10
Chambers, Al . . . 14
Champion Silver mine . . . 6
Champion Silver Mining Co. . . . 6
Chas. Pfizer & Co. . . . 38
Chaussee Sapphire Corp. . . . 33
Chaussee, Wil . . . 33
Chief Joseph Gold Corporation . . . 44
Clary, Emmett . . . 17
Clendennin Mines, Inc. . . . 12
Cleve-Avon and Franklin mine . . . 2
Clevish, Kenneth W. . . . 33
Climax (Apex) Lode group . . . 23
Clopton, Earl . . . 15
Coal Creek mine . . . 40
Cobalt-Boulder mine . . . 15
Cocanougher, W.M. . . . 38
Coffee Pot lode . . . 33
Collins, Nancy . . . 23
Colony open pits . . . 29
Colorado tailings . . . 23
Columbia Beneficial Holdings, Ltd. . . . 35
Comanche Extension mine . . . 8
Comet group . . . 3
Cominco American, Inc. . . . 33
Commonwealth group (Calvin mine) . . . 15
Commonwealth Lead Mining Co. . . . 15
Confident, Radar, Castle 1 & 2 placer group . . . 26
Consolidation Coal Co. . . . 39
Consolidation mine . . . 39
Constellation deposit . . . 39
Contact Mining Co. . . . 9
Coolidge mine . . . 2
Cope, Kenneth . . . 18
Cope, Vincent . . . 5, 13
Copper Bowl mine . . . 13

Copper group 20
Copper Hill mine 23
Copper Queen, Argo, and Rex group 5
Cottontail mine 3
Cottonwood mine 7
Cottonwood Silver Mining Co. 7
Counts, J.H. 20
Cow Creek mine 40
Cox, Clifford V. and Joyce M. 13
Craig, H.C., and Co. 28
Craig placer group 28
Crescent mine 10
Crevasse Mountain Mining Company 44
Cripe, Donald C. and Marie 14
Cripe, Donald C., and others 22
Croff and Montague 12
Cross mine 5
Cross, Virgil 40
Crystal mine 10
Crystal Mines, Inc. 10
Crystal Mountain mine 31
C T Corporation System 44
Curlew mine 21
Cyprus Mines Corp., United Sierra Div. 38

Dale, Hal 16
Dalton, C.K. 13
Dan 1 & 2 and Nelson mines 21
Davenport, R.E. 28
Davidson, Roy 45
Davis, Frank 12
Deadman quarry 36
Deadwood (McCarthy) deposit 31
Dean, William J., Jr., and Son 7, 26
deBarathy, Sidney A. 23
Dettwiler Bros. 22
Development Operating Corp. 10
D.G. and Brooklyn mine 8
Dirty Muzzler mine 15
Divide Coal Mining Co. 40
Divide mine 40
Dividend Lode mine 15
Dixon, James R. 21
Dix, Wesley 20
D.M.H. Enterprises, Inc. 44
Doggett, L.W. 5
Dolly Quartz (New Seattle) mine 9
Dominic group 2
Doornbos, G. 15
Doornbos, E.A. 15
Douglass, Kent R. 44
Downs, Willie 18, 19
Duval, Frank 27

East Coeur d'Alene silver mine 18
East Coeur d'Alene Silver Mines, Inc. 18
Easton-Pacific Co. 15
Easton-Pacific mine 15
East Ridge group 10
Easy Money group 10
Eddy Creek mine 22
Edelweiss mine 10
El Dorado Bar sapphire mine 34
Eldorado, Inc. 34
Elkhorn mine 10
Elkhorn Mining Co. 26
Elliston Consolidated group 20
Elliston Consolidated Mining Co. 20
Elstone, Earl F. 22
Emery Ridge (Pikes Peak) lease 33
Emma mine 16
Erickson, Clarence J. 13
Erlandson, Claus L. 6
Evening Star mine 13

Fairview mine (Jefferson Co.) 10
Fairview mine (Powell Co.) 20
Faith Mining Co. 12
Farnsworth, R.B. 16
Favero, Josephine A. 10
Fay, Fergus 13
Federal Bentonite Co. 30
Federal Reserve group 7
Finch, Tom 10
First Trust Company of Montana 7
Fish Creek mine 23
Fishtrap quarries 38
Flathead and West Flathead mine 8
Flathead Mines, Inc. 8
Flathead Sunset quarry 36
Flint Creek Land, Inc. 44
Florence mine 6
Flynn, William F. 8, 10
Foote, W.B. 14
Forbes, W.G. 15, 39, 44
Forks mine 16
Forzley Sales Co. 36
Forzley Sales Co. quarries 36
Four Up group 22
Four V's claim 34
Frances mine 19
Franklin and Cleve-Avon mine 2
Franklin mine 13
Franklin, W.J. 15
Frank Realty Co. 19
Frederick group 22
Free Enterprise Uranium-Radon mine 26

Freezeout Pass mine 18
Frida Marie claim 16
Frisbee, Clarence 13
Frisbee Stemple group 13
Frost, Bill 29
Frostbite deposit 29

Gardiner Travertine, Inc., of Gardiner, Mt. . . . 37, 44
Gardiner Travertine quarry 37
Garnet placer 26
Garrett, Eugene 9
Garrison, Carl, and others 38
Gavin placer 31
General Electric Co. 25
GeoResources, Inc. 3, 4, 9, 23
Geo-Surveys Gold, Ltd. 7
Gildersleeve, George 27
Gildersleeve, G.M. 18
Gilliam vermiculite deposit 39
Gillman, Vernon 33
Given, Chester A. 3
Glasgow pits 30
Gleason, R. 5
Glengarry (White) claims 20
Glittering Hill mine 8
Gluck, George S. 2
Gold Bell Mining Co. 16
Gold Bug-Little Ben mine 20
Golden Assets mine 10
Golden Curry (Sourdough) mine 10
Golden Cycle Corp. 27
Golden Roc mines 22
Golden Roc Mines Co. 22
Golden Wave and Bessie mine 15
Gold King mine 9
Gold Ranch Mining Corporation 44
Gold Reserve Mining Co. 20
Goldsmith mine 3
Goldsmith Mining Corp. 3
Goldstream Mining Co. 15, 17
Goodson Mining Co., Levine Enterprises 3
Goodview mine 3
Gopher Hole mine 22
Grace, W.R., and Co. 38
Graham, Isabel V. 19
Granite tailings 9
Grass Hopper claims 3
Gray Rock mine 13
Great Eastern mine 7
Green Campbell mine 16
Green Lizard mine 3
Green Mountain mine 22
Green Mountain Mining Co. 22
Greenstone mine 25
Ground Hog mine 3

Haab, Albert 11
Hafer, C.W., Sr. 38
Hagman, Maurice 10
Hagman, William 11
Hahn, Oscar 18
Haine, Hazel H. 16
Hall, William A. "Bill" 10
Hallett Minerals Co. 29, 30
Hallett Minerals pit (Rosebud Co.) 29
Hallett Minerals pit (Treasure Co.) 30
Hamilton Mines, Inc. 18
Hammond, Donald P. 44
Hampton, Mrs. Reba 5
Hand mine 3
Hand, William 3
Hard Luck mine 21
Hard Luck Mines 21
Harris, David W. 20
Hart, E.W. 3
Hatfield, Dorothy 6
Hatta and Magnet mines 9
Hatton, Clifford 21
Hatton, Clifford, and others 21
Haxby, L.J. 26, 27, 44
Hayes, Clesson 37
Hayes, Milton E. 4
Hayworth, Ross 13
Hazel group 16
H.C. Craig and Co. 28
Heaney, Ethel C. 9
Heath, Lyle 6
Heath (Shoemaker) mine 31
Hecla group 3
Heidelberg mine 22
Heidelberg Mining Company of Montana 22
Helehan, Tom 24, 31
Hemlock mine 18
Henke-Beer placer 28
Henke, Donald N. 28
Herbert group 14
Hidden Hand mine 21
Hidden Hand Mining, Inc. 21
Hidden Treasure mine 16
Highland mine 21
Highsmith, Joe 27
Hillside Mines, Inc. 22
Hill Top mine 16
Hinkle, Joe 14
Hoekema, Roy 3
Holladay, R.L. 17

Holliday mine 22
Holly No. 1 mine 9
Holter Estate 10, 21
Hope and Bullion mine 11
Hope group 20
Hopkins, J.F. 21
Horn Silver mine 3
Horseshoe and Minnehaha group 7
Horton, Chester G., Jr. 15
Howard W. Martin peat 36
Humbolt mine 11

Ida A. placer 28
Idaho-Cibola Mining Co. 14
Ideal Cement Co. 32
Illini mine 13
Incline mine 21
Independent mine 13
Industrial Chemical, Div. Stauffer Chemical Co. . 35
Ingersol group 3
Intermountain Deaconess Home for Children . . 23
Intermountain Mining and Refining Co. 44
Intermountain Peat Moss Corp. 35
International Minerals and Chem. Corp. 23
Iron Cross mine 24
Iron King mine 24

Jack Rabbit mine 16
Jackson, A.G. 33
Jackson mine 33
Jackson, R.P. 29
Janney Construction Co., Inc. 33, 37
January mine 5
January Mining Co. 5
Janus Mining Co. 16
Jaslowski, George 27
Jay Gould and Stemple mines 14
Jay Kay, Inc. 31
Jay Kay mine 31
Jefferson Creek placer 28
Jeff group 22
Jenkins, Clayton 2
Jenkins, Ivor, and others 10
Jenlo mines 19
Jenlo Mining Co. 19
Jenson, Arthur 22
Jib (Hope-Katie) mine 11
Jo Dandy mine 5
Johnny's mine 40
Johnson, Chester 19
Johnson, Edward A. 5
Johnson, Mrs. Fern 21
Johnson, Glenn 40
Johnson, Gunnar 4
Johnson, Robert L. 44
Johnston Estate, The 16
Johnston Moffet group 16
Jones, Chester Lloyd 44, 45
Jones, D.L. 21
Jumper claims 16
Jupiter Mining Co. 18

Kady Gulch group 11
Kaiser Bros. 9
Kaiser Cement & Gypsum Corp. 32
Kaiser Cement Co. 32
Kaiser, H.B. 9
K & K mine 18
K & N Minerals 19
Kannegaard, Charles L. 19
Kanta pit 34
Kanta Products, Inc. 34
Karvonen, John 18
Karvonen, John, and others 18
Keith, Lynn 22
Keller, Paul 11
Kelley mine 23
Kendall mine 7
Kennedy, Carl 25
Kennett Gold Corporation 44
Kent, Kenneth B. 15
Keosky, Johnny 40
Kibbe & Co. 15
Kiewit Sons' Co., Peter 39
King group 17
King, James 16
Kirkeberg, Knute 14
Kitson, Roy 32
Klondyke Gold Mines, Inc. 11
Klondyke mine 11
K & N Minerals 19
Knife River Coal Mining Co. 40
Knife River mine 40
Knopf, Vern C. 14
Knowlson, James S., V 23
Kohl, Charles W. 13
Kokoruda, C. 5
Kolstad, Henry 20
Kruger, Mrs. Marion R. 23
Kruse, Howard T. 45
Kuebler, Ed 12
Kuhnhausen, C. L. 7
Kurth, Arthur 26

Lamplighter group 3
Langstaff, George 2
Langstaff, Kenneth 3, 4
Lapota, Ned 15

Last Chance mine . . . 25
Laura Apex group . . . 22
Lawrence, John C. . . . 2
Lawrence, John D. . . . 45
Layton, Dorothy M. . . . 17
Layton, John A. . . . 17
LBM Construction, Inc. . . . 11
L.C.L. Corp. . . . 21
Leadville mine (Beaverhead Co.) . . . 3
Leadville mine (Jefferson Co.) . . . 11
Leber Mining Co. . . . 10, 11
Lehwalder, L.W. . . . 9
Leighton, R.W. . . . 16
Lenling, Lawrence, and others . . . 7
Leonard mine . . . 23
Leprechaun placer . . . 28
Levine Enterprises, Goodson Mining Co. . . . 3
Lewis, Wade V. . . . 26
Lewistown Brick & Tile Co. . . . 30
Lewistown pit . . . 30
Lexington mine (Cascade Co.) . . . 6
Lexington mine (Lewis and Clark Co.) . . . 13
Lexington Silver-Lead Mining Co. . . . 6
Liberty mine . . . 12
Lince, Glen . . . 21
Lincoln View mine . . . 13
Linda mine . . . 4
Linda Kay mine . . . 20
Lindbom, Waino . . . 8
Lindquist, Enard A. . . . 21
Little Ben-Gold Bug mine . . . 20
Little Emma mine . . . 9
Little, R.F. . . . 8
Little Rockies Gold Mining Resources . . . 44
Little Rockies Mining & Development Co. . . . 20
Little Sallie and May mine . . . 11
Lively's, Inc. . . . 2, 24
Liverpool dump . . . 11
Liverpool Mining Co. . . . 11
Livingston marble and granite quarry . . . 37
Livingston Marble and Granite Works . . . 37
Logger claims group . . . 22
Loobey, Allen . . . 7
Loomis mine . . . 5
Loomis, Robert . . . 5
Lotta mine . . . 11
Lowery, Bill . . . 5
Lozeau, Henry . . . 36
Lucier, R.L. . . . 9
Lucky Dollar mine . . . 17
Lucky Jim Beam group mine . . . 29
Lucky Karen placer . . . 27
Lucky Linda mine . . . 13
Lucky Star (Blue Creek) mine . . . 22
Lucky Star Mining Co. . . . 22
Lucky Strike mine (Beaverhead Co.) . . . 3
Lucky Strike mine (Sanders Co.) . . . 23
Luke quarry . . . 35
Lupine mine . . . 24
Lutzenhiser, Earl . . . 10
Lycoming mine . . . 9
Lykins, Betty . . . 2

MacCalman, R.J. . . . 9
MacPherson, Mrs. K.W. . . . 9
Madison, Fred K. . . . 10
Madison Minerals Corp. . . . 38
Maehl, Grace . . . 9
Magnet and Hatta mines . . . 9
Magnitite group . . . 20
Magnus, John . . . 16
Mahan, Thomas H. . . . 26
Maiden Creek copper mine . . . 3
Maloney, Sam . . . 38
M & C claims . . . 35
Manger group . . . 5
Manger, Mary Ann . . . 5, 13
Mannix, Cornelius E. . . . 45
Marie and Vera mines . . . 12
Marion mine . . . 31
Marion Mines . . . 31
Marker, Gene . . . 9
Maronick Construction Co., Inc. . . . 32
Maronick, E.P. . . . 32
Martin, Howard W. . . . 36
Martin's Peat & Potting Soils . . . 36
Mascot Silver Lead Mines, Inc. . . . 10, 11
May and Little Sallie mine . . . 11
McBride, Mrs. G.V.R. . . . 12
McCabe, Mrs. Mary L. . . . 8, 25
McCarthy (Deadwood) deposit . . . 31
McCarthy, Tim . . . 31
McCarthy, Tim, and others . . . 31
McClellan quarry . . . 32
McCord, Richard . . . 26
McDonnell, Michael A. . . . 28
McDonnell, Patrick J. . . . 28
McEachron, Daniel . . . 12
McElwee, Orie B., Estate . . . 37
McLane, Larry A. . . . 9
McLaughlin, Jim . . . 16, 17
McQuarrie quarry . . . 37
Meadow mine . . . 11
Meged, Paul . . . 40
Metesh, Joe . . . 9
Mickey mine . . . 9
Midas, Inc. . . . 44
Midnite Mines, Inc. . . . 4

Milk River mine 39
Miller, W.K. 12
Mineral King mine 18
Mineral King Mining Co. 18
Mine Sales & Evaluators 15
Mine-X, Inc. 39, 44
Minnehaha & Horseshoe group 7
Minnick, Charles 19
Minnick mine 18
Minnick, Ray 18, 19
Minnick, Ray, and others 18
Mo, Hans 13
Molly 1, 2, 3, 4, and 5 25
Monarch mine 21
Monarch Minerals, Inc. 21
Montague & Croff 12
Montalban, Joseph V. 45
Montana City quarry 32
Montana Gold Mines, Inc. 44
Montana Marble, Inc. 36
Montana Ores, Inc. 35
Montana Pacific Oil and Gas Co. 44
Montana Power Co., The 40
Montana Reclamation, Inc. 44
Montana Western Mining Co. 20
Montcana Holdings Ltd. 44
Monte Christo mine 13
Monte Grande Exploration, Inc. 45
Montgomery and San Miguel mine 12
Montgomery, W.C. 7
Montro gold mines 23
Moonlight mine 9
Moose Trail mine 9
Morgan, Hazel, and others 25
Morgan, James M. 6
Morning Star mine (Cascade Co.) 6
Morning Star mine (Madison Co.) 16
Morris, A.B., and others 14
Morse, H.E. 2
Mortensen, Steve 15
Moser, A.A. 15
Motley, Dean 22
Mouat mine 24
Moulton and Broadwater mine 6
Mountain Con mine 24
Mountain Flower mine 16
Mountain Queen mine 11
Mountain View mine 5
Mountain View Ranches, Inc. 45
Mueller, Ed 16
Mueller mine 16
Mulcahy, William 11
Myers, G.A. 22
Myranda claim 7
Nagy, W.A. 19
Nancy Helen mine 21
Nancy Lee mine 18
Nancy Lee Mines, Inc. 18
Nash, Tom 22
Nash, Tom, and others 22
Neal, Harold 16
Negros mine 21
Neils, Art 22
Nellie Bly group 16
Nellie Grant mine 11
Nelson and Dan 1 & 2 mines 21
Nelson, Bernie E. 14
Nelson, Harold G., Sr. 21
Nelson Mines 21
Nevada City placer 27
New Bald Eagle mine 11
New Departure mine 4
Newman, Leo T. 20
New Morning Star mine 11
New Seattle (Dolly Quartz) mine 9
Nicholls, Jim 15
Nicolls, Roy E. 5
Nies Coal Co. 40
Nies mine 40
Nies, William F. 40
Nightengale, J.T. 12
N L Industries, Inc., Baroid Div. 29
Norden, Roy 14
North Gould (American Boy) group mine 13
Northmont Resource & Exploration Co. 45
North Pole mine 21
North Sunlight group 11
Nott, Earl 20
No. 1 mine 39
No. 4 mine 7
Nyquest, Theodore 27

Old Bonanza mine 25
Old Shoe No. 1 placer 28
Old Summit (Summit) and Blackhawk mine . . . 5
Olsen, Arnold 44
Oregon Creek placer 27
Oremont, Inc. 27
Oro-Energy, Inc. 45
Oro Fino mine 13
Overlook group mines 24, 25

Pacific-Easton mine 15
Pacific mine 16
Pacific Mines, Inc. 16, 17
Pacific Silica Co. 35
Palin, Melvin D. 45
P and M mine 40

Par-D Mining & Development Co. 19
Parnell group mine 9
Patterson, Mildred 15
Paymaster mine 5
Peabody Coal Co. 40
Peabody mine 24
Peart, John M. 35
Peat lease 35
Peggy Ann Mine, Inc. 45
Pentecost, T.A., and others 7
Pen-Ute Consolidated Mining Co. 14
Pen-Ute Consolidated Mining Co. group 14
Pete Pear group 20
Peter Kiewit Sons' Co. 39
Peterson, A.B., and others 28
Peterson, Albert Byron 28
Peterson, D.D., and Associates 20
Peterson deposit 31
Peterson, Dr. James 34
Peterson, Mrs. Lanora 31
Peterson, Ray N., and others 13
Peterson, R.E. 19
Petrolease 45
Pettus, Bill 38
Peura, Louis 11
Peuse, Gordon 39
Peuse mine 39
Pew, C.E. 11
Pew, C.E., and others 14
Pfizer, Chas., & Co. 38
Phillips, George 13
Pickering, Duane L. 21
Pickle Crow Explorations 20
Picture flagstone quarry 37
Piermont No. 1 East 12
Pika gypsum deposit 32
Pike, Homer 4
Pikes Peak (Emery Ridge) lease 33
Pilot mine 12
Pioneer mine 5
Placer fire clay pit 30
Poggeman, George H. 27
Polaris mine 4
Ponderosa mine 6
Poore, Poore, and Poore 12
Porte, George 5
Precious Metals, Inc. 27
Princeton Mining Co. 9
Prosperity mine 19
Prosperity Mines, Inc. 19
Pust, Waldo 20, 44

Quadrant Ridge Mining Co. 5
Quartz Hill group 4
Quartz Hill Mining Co. 4
Queen mine 9
Queen of the Hills mine 4
Quinn, Ralph W. 45

Rainbows End placer 26
Ralls, John M. 24
R & S Iron Co., Inc. 24
Rankin, Joseph W. 16
Redemption mine 12
Red Fir (Amazon) mine 23
Red Pine mine 16
Red Rock claims 14
Regal mine 38
Reichel, A.E., and others 26
Reid, Harold 4
Relyea, George 33
Relyea mine 33
Rena mine 4
Rennfield, George L. 21
Republic mine 7
Reserve Central, Inc. 45
Rex, Argo, Copper Queen group 5
Rex Land Co. 3, 25
Rhoades, James A. 12
Rhoades mine 12
Rivers Creek mine 19
Riverside Mining Corp. 15
Roark, Clive 14
Roark, Clive, and others 14
Roat, A.H., and Sons 28
Robert Emmett mine 12
Roberts, Art 5
Roberts Mining Co. 31
Robertson, Richard 10
Robin L. placer 28
Robinson, John M. 33
Robinson Mining Co. 17
Robinson, William J. 9
Rochester Gold Corporation 45
Rocky Mountain Phosphate 33
Rogers, R.H. 16
Romerio, Mrs. A.K. 11
Romerio Co. 11
Rosebud Coal Sales Co. 39
Rosebud No. 6 mine 40
Rosebud Tongue River mine 39
Rothfus, John 10
Ruby Gulch mine 20
Ruby No. 1 and 2 mine 38
Ruby silver mine (Broadwater Co.) 5
Ruby silver mine (Jefferson Co.) 12
Ruby Silver Mines, Inc. 12
Ruby (Talc Ridge) group 38

Runyon, C.R. 27
Runyon, M.S. 27
RY & K Development Company 45

Saari, John K. 11
St. Lawrence Consolidated mine 17
St. Lawrence Consolidated Mines, Inc. 17
Sakkinen, Manuel 18
Saltese Mining Co. 22
Sam Gaty mine 14
S & L Energy, Inc. 45
Sandman, L.A. 7
Sandman, L.A., and others 7
San Martina mine 19
San Mezcalito mine 8
San Miguel and Montgomery mine 12
Santa Anita mine 5
S & P Mining Co. 7
Sapphire International Corp. 34
Sapphire International Corp. mine 34
Sapphire Village, Inc. 34
Saranac mine 9
Sargent, Lauren 39
Sargent, LeRoy 22
Sata Maira Rainbow group 4
Sawyer-Adecor Inter., Inc. 25
Scalded Cat mine 17
Scheitlin, Ed 15, 16, 17
Schneider, William 9
Schoonover, John 40
Schreiner, Carl C. 5
Schreiner, C.W., and others 11
Schreiner mine 5
Schreiner, Warren 6
Scratch Awl mine 9
Seel, Charles P. 4
Semsak, Art 3
Setter mine 12
Setter Mining Co. 12
Shafer (Yellow Band) group 4
Shafer, John 4
Shafer, John, and Associates 4
Sharak, E.W., and others 24, 25
Shaw, Charles M. 18
Sheep Mountain mine 7
Sheperd, R.M. 29
Sherman, W.B. 45
Shermont Mining Co. 16
Shoemaker (Heath) mine 31
Short Shift mine 17
Sid claim 23
Sidney Mining Co. 14
Silver Butte mine 14
Silver Creek mine 19
Silver Creek Mining Co. 19
Silver Domino claim 23
Silver Dyke mine 6
Silver King mine 9
Silver King placer 28
Silver Mark Mines, Inc. 22
Silver Moss mine 7
Silver Queen Exploration Ltd. 4
Silver Queen mine 4
Silver Reef mine 7
Silver Trend Mining Co. 21
Silver Valley Mining Co. 3
Simon, Ken 19
Sitton, Arthur W. 24
Skookum placer 27
Sky Baby claims 24
Sky mine 14
Sletton, Albert 6
Sletton, Dan 6
Slim Sam group 5
Sluice Gulch mine 9
Smith, Clarke J. 20, 21
Smuggler mine 17
Snow Cap mine 38
Snow, Harold 30
Snowshoe mine 14
Snowslide mine 17
Snowstorm mine 14
Sodorff, Les 26
Solar Enterprises 5
Solar Silver Mines, Inc. 17
Sourdough (Golden Curry) mine 10
South View mine 12
Spitfire mine 19
Spokane National Mines, Inc. 3, 4
Spoofer mine 6
Spotted Horse mine 7
Spring Tunnel mine 17
Square Deal mine 40
Stanton, Robert N. 13
Stark, Lewis B. 6
State Mining Co., The 22
Stauffer Chemical Co. 31, 35
Stearns, W.W. 22
Stemple and Jay Gould mines 14
Stemwinder placer 27
Stephenson, R.S., Estate 39
Steward mine 24
Stewart, Blair W. 33
Stimps, J.R. 14
Stocks, Ivan 21
Stocks, I.W. 11
Stoick, James J. 26
Storaasli, Mark D. 8

Storm King mine . . . 39
Stratton, Howard . . . 23
Strong, D.A. . . . 37
Stuart mine . . . 18
Sturdevant, Rowena . . . 45
Sullivan, Mark P. . . . 44
Summit (Old Summit) and Blackhawk mine . . . 5
Sunrise mine . . . 21
Sunrise Mining Company . . . 45
Sunshine mine . . . 8
Surprise claims group . . . 17
Surprise stone quarry . . . 36
Swallow, Irma M. . . . 31
Swallow, James L. . . . 31
Swamp Frog mine . . . 26
Swann, J.P., and others . . . 22
Swanson, Max . . . 18
Sylvanite, Inc. . . . 11

Taft, Lionel C. . . . 20
Talc Ridge (Ruby) group . . . 38
Tamarack mine . . . 17
Tawney mine . . . 19
Taylor and Cadgie lease . . . 8
Taylor, Ben . . . 24
Taylor, Bruce R. . . . 14
Taylor-Knapp Co. . . . 10
Tender group . . . 4
Terada, Sonny . . . 34
Terry, E. . . . 19
Thayer, Lyman . . . 7
Third Term mine . . . 21
Thomas Cruse Mining & Development Co. . . . 13
Thomas, D.W. . . . 17
Tibbetts mine . . . 21
Tiger mine . . . 12
Tintinger, Carl A. . . . 13, 14
Tobacco Root Gold Corporation . . . 45
Treasure Chest mine . . . 38
Treasurelite, Div. Treasure State Ind. Products, Inc. . . 34
Treasurelite pit . . . 34
Treasure State Industrial Products, Inc. . . . 34
Trettin, Kenneth W. . . . 12
Tri-City Concrete Products, Inc. . . . 25
Trident quarry . . . 32
Trojan Silver-Lead Mining Co. . . . 14
True Fissure mine . . . 10
Tunstill, Dick . . . 9
Tunstill, Eugene F. . . . 14
Twilight claims group . . . 14
Tyrell, Nila . . . 5

Union Carbide Co. . . . 35
Union mine . . . 17
United Investors Corp. . . . 16
U.S. Antimony Corp. . . . 2
U.S. Exploration & Development, Inc. . . . 20
U.S. Exploration group . . . 20
U.S. Gypsum Co. . . . 31
Universe Minerals Co. . . . 24, 25
U S Grant mine . . . 17
Utah Calcium . . . 37

Valley Enterprises, Inc. . . . 45
Valley View mine . . . 6
Van Gorden, Wesley . . . 30
Van Sickle, Edwin R. . . . 12
Vaughn, Monida . . . 14
Vera and Marie mine . . . 12
Vermiculite Mountain mine . . . 38
Vicki placer . . . 27
Victor-Curlew Mining Co., Inc. . . . 21
Viking Exploration, Inc. . . . 7
Viking Mining & Engineering Co. . . . 6
Violet group . . . 22
Virginia Gulch mine . . . 4
Voldseth, George . . . 18
Volker, Albert E. . . . 34
Voss, Carl W. . . . 18
Voss mine . . . 18

Wade, W.R. . . . 5, 13
Wagner, Elmer J. . . . 28
Waldbillig, Joe . . . 19
Waldbillig mine . . . 19
Waldbillig, O.R. . . . 19
Walker, D.D., and others . . . 10
Walkup, Ben . . . 8
Walsh, Gerald . . . 44
Ward, Charles . . . 21
Ward Development Co. . . . 19
Ward, Larry. . . . 21
Ward lode mine . . . 19
Ward, Ray . . . 21
Warm Springs Creek (Brock, Anderson) mine. . . . 33
Warm Springs Creek quarry . . . 33
Warren quarry . . . 32
Wattula, Lee . . . 6
Waylett, J.L. . . . 19
Weber, Charles O. . . . 12
Wegener, William G. . . . 11
Wehren, Ernest . . . 8
Welling, A.H. . . . 33
West Ermont mine . . . 4
Western Energy Co. . . . 40
Western mine . . . 40
Western Mining & Exploration Co. . . . 2, 3, 4
Western Oil and Gas Co., Inc. . . . 6

West Flathead and Flathead mine 8
Wheeler Properties, Inc. 16
White Angel quarry 37
White (Glengarry) claims 20
White, Harriet 20
Wiggins mine 14
Wilhelm, Lloyd 3
Williams, Shelton R. 45
Wing, Gerald 37, 44
Wolverine Corp. 21
Wolverine mine 21
Wolverine Mining, Inc. 26
Wolverine placer 26
Woods Creek copper mine 22
W.R. Grace & Co., Construction Products Div. . . . 38
Wright, Victor 35
Wright, Victor, and others 35
Wrong Font group 24

Yellow Band (Shafer) group 4
Yellowstone (Cameron) mine (Madison Co.) . . . 38
Yellowstone mine (Meagher Co.). 18
Yerdon placer 27
Young America mine 10
Young, E.J. 14
Young, James W. 8, 9

Zepp, Wilbur J., and others 26
Zubrick, John 17

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)]

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 (Armstead)
12. Dillon (Carter Creek) (Frying Pan Basin)
13. Elkhorn (Coolidge) (Wise River)
14. Horse Prairie
15. Jake Creek
16. Lost Creek (Brown's Lake) (Rock Creek)
17. Medicine Lodge
18. Monida
19. Mount Torrey
20. Niccolia
21. Nogo (Apex)
22. Pioneer
23. Polaris (Lost Cloud)
24. Ruby
25. Saginaw (Jackson)
26. Utopia (Birch Creek)
27. Vipond
28. Wisdom (Big Hole)

Blaine 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. Neihart (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) (Maiden)

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

Jefferson 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 (Pool Hen) (Poorman)
97. Haddleston (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 (Wilmah)
115. Cherry Creek
116. McCarthy Mountain
117. Norris (Lower Hot Springs) (Upper Hot Springs)
118. Norwegian Creek
119. Pony (Mineral Hill)
120. Potosi
121. Renova (Bone Basin) (Mayflower)
122. Rochester (Rabbit)
123. Ruby Mountains
124. Sand Creek
125. Sheridan (Mill Creek) (Brandon) (Indian Creek) (Tamshorn)
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) (Saltese)
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. Jardine (Bear Gulch) (Sheepeater)
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. Camas Prairie (Perma)
173. Plains
174. Prospect Creek
175. Revais Creek (Dixon)
176. Sleepy Creek (Belknap)
177. Silver Butte (Vermillion) (Cabinet)
178. Spring Gulch
179. Thompson River
180. Trout Creek
181. White Pine (Eagle)

Silver Bow County, D-4

182. Basin Creek
183. Butte (Summit Valley) (Lost Child)
184. Divide Creek
185. Fleecer 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	Est. reserves in millions of tons	Acreage	Average tons/acre	Ash[1]	Sulfur[1]	Btu[1]
1 c	Decker	Anderson-Dietz 1&2	2,239.99	25,523	87,763	4.0	.40	9,652
2 c	Deer Creek	Anderson-Dietz 1&2	495.65	14,214	35,397	4.0	.50	9,282
3 c	Roland	Roland	218.04	12,076	18,055	9.2	.74	8,164
4 c	Squirrel	Roland	133.41	6,208	21,490	5.5	.29	7,723
5 c	Kirby	Anderson	216.52	5,655	38,285	4.2	.32	8,328
		Wall	473.69	5,952	79,579			
		Dietz	834.35	17,516	47,630	5.8	.59	8,509
		Canyon	158.53	4,066	38,983	5.8	.24	8,789
6 c	Canyon	Wall	1,884.25	23,859	78,974	4.6	.30	9,088
		Brewster-Arnold	65.86	2,067	31,859	7.5	.40	8,444
7 c	Birney	Brewster-Arnold	180.55	6,969	25,905	5.1	.41	9,055
8 c	Poker Jim Lookout	Anderson-Dietz	872.65	19,609	44,501	5.2	.37	7,925
9 c	Hanging Woman Cr.	Anderson	1,583.29	30,547	51,830	4.9	.29	8,496
		Dietz	1,120.96	43,654	25,678	5.5	.33	8,078
10 c	West Moorhead	Anderson	883.74	19,660	44,949	5.3	.36	8,296
		Dietz	397.49	20,416	19,469	4.1	.41	7,990
		Canyon	690.19	22,547	30,611	5.6	.45	8,055
11 c	Poker Jim O'Dell	Knobloch	373.29	7,890	47,311	5.1	.22	8,846
		Knobloch	564.78	7,187	78,581			
12 c	Otter Creek	Knobloch	2,075.55	25,791	80,475	4.7	.36	8,468
13 c	Ashland	Knobloch	2,696.20	27,200	99,125	4.8	.15	8,421
		Sawyer A & C	357.49	20,262	17,643	4.9	.49	7,883
14 c	Colstrip	Rosebud	1,439.26	33,379	43,118	9.5	.12	8,836
15 c	Pumpkin Creek	Sawyer	2,426.50	45,695	53,102	7.5	.34	7,438
16 c	Foster Creek	Knobloch	708.13	27,801	25,470	7.8	.76	7,573
		Terret	460.87	27,462	16,782	5.8	.21	7,770
		Flowers-Goodale	258.90	14,444	17,924	7.8	.51	7,553
17 c	Broadus	Broadus	739.82	18,429	40,142	7.2	.27	7,437
18 c	East Moorhead	T	525.21	15,559	33,756	6.2	.57	7,120
19 c	Diamond Butte	Canyon	418.02	21,363	19,566	4.8	.43	7,330
20 c	Goodspeed Butte	Cook	628.95	13,446	46,775	10.6	1.63	6,771
21 c	Fire Gulch	Pawnee & Cook	336.69	8,486	39,674	3.8	.33	7,739
22 c	Sweeney-Snyder	Terret	326.33	10,921	29,880	9.1	.11	8,175
23 c	Yager Butte	Elk & Dunning	1,175.86	26,924	43,673	4.8	.33	7,646
		Cook	312.02	14,507	21,507	6.7	.63	7,254
24 c	Threemile Buttes	Canyon & Ferry	225.40	13,836	16,289	5.5	.94	6,867
25 c	Sonnette	Pawnee	320.25	8,224	38,940	9.8	.88	6,964
		Cook	362.98	10,470	34,668	8.1	1.23	6,891
26 c	Home Creek Butte	Canyon & Ferry	217.21	4,851	44,774			
27 c	Little Pumpkin Creek	Sawyer A&C, D, X, & E	215.83	8,534	25,290			
28 c	Sand Creek	Knobloch	267.34	5,952	44,915	6.6	.30	7,340
29 c	Beaver-Liscom	Flowers-Goodale & Terret	135.87	8,851	15,350	8.1	.96	8,102
		Knobloch	491.62	17,075	28,791	7.7	.50	8,027
30 c	Greenleaf-Miller Creek	Rosebud, Knobloch, and Sawyer	453.71	14,918	30,413	7.5	.71	8,422
31 c	Pine Hills	Dominy	193.87	6,022	32,191	7.2	.53	7,293
32 c	Knowlton	Dominy (M & L)	747.51	19,613	38,112	7.1	.41	6,710
		Dominy (U)	120.31	4,448	27,048	5.6	.38	6,645
33 c	Sarpy Creek	Rosebud-McKay	1,500.00	42,373	35,400	6.5	.50	8,600
34 c	Cheyenne Meadows	Knobloch	1,200.00	13,560	88,500	4.1	.40	8,400
35 c	Little Wolf	Rosebud-McKay	314.00	7,411	42,370			
36 c	Jeans Fork		90.00	3,800	23,685			
37 c	Wolf Mountains		1,922.00	31,000	62,000			
38 c	Lame Jones	Dominy	150.00	10,593	14,160			6,020
39 c	Lamesteer	Harmon(?)	35.00	1,978	17,700			6,332
40 c	Wibaux	C	643.00	18,518	34,720	7.9	.90	6,050
41 c	Little Beaver	C	134.00	8,445	15,865			
42 c	Four Buttes	C	91.00	5,180	17,570			6,140
43 c	Hodges		10.00	807	12,390			
44 c	Griffith Creek		10.00	568	17,700			

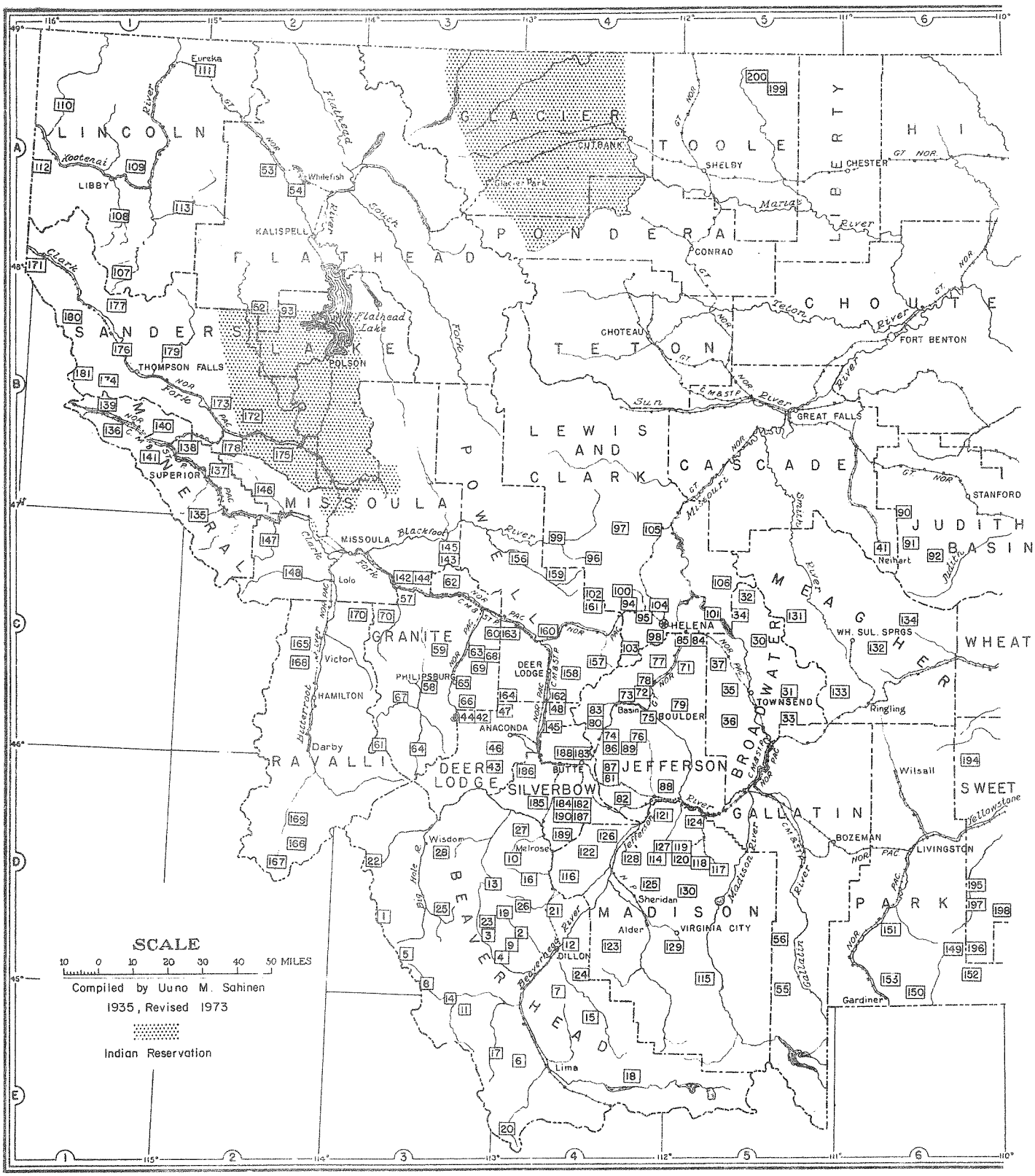
LIST OF STRIPPABLE COAL FIELDS--Continued

No. on map	Name of field	Coal bed	Est. reserves in millions of tons	Acreage	Average tons/acre	Ash[1]	Sulfur[1]	Btu[1]
45 c	Smith-Dry Creek	G	150.00	8,475	17,700			
46 c	O'Brian-Alkalie Creek		150.00	8,475	17,700			
47 c	Breezy Flat	Pust	200.00	7,062	30,090	6.7	.50	6,660
48 c	Burns Creek	Pust	200.00	7,062	30,090			
49 c	N.F.Thirteen Mile Creek	Pust	225.00	5,085	44,250			6,880
50 c	Fox Lake	Pust	46.00	2,166	21,240			6,880
51 c	Lane	Lane	561.00	44,582	12,390			7,150
52 c	Carroll	Carroll	345.00	29,780	11,584	5.5	.30	7,400
53 c	Redwater River	S	642.00	24,181	26,550	6.1	.40	7,400
54 c	Weldon-Timber Creek	S	724.00	25,565	28,320			7,660
55 c	Fort Kipp	Ft. Kipp-Ft. Peck	331.00	14,500	22,830	4.6	.20	6,110
56 c	Lanark	Lanark	100.00	3,531	12,390	6.3	.40	6,853
57 c	Medicine Lake		58.00	3,740	15,510	7.2	1.00	6,870
58 c	Reserve		246.00	18,231	13,495	7.6	.40	6,599
59 c	Coal Ridge	Coal Ridge	150.00	19,200	17,700	7.5	.40	5,830
60 c	Carpenter Creek	Carpenter	50.00	3,211	14,015	6.5	.40	9,270
61 c	Charter	Mammoth	60.00	3,210	17,700	6.0	.90	10,190
62 c	Little Sheep Mtn.	A&C	200.00	10,272	19,470			
		TOTAL	42,561.93	1,152,640				

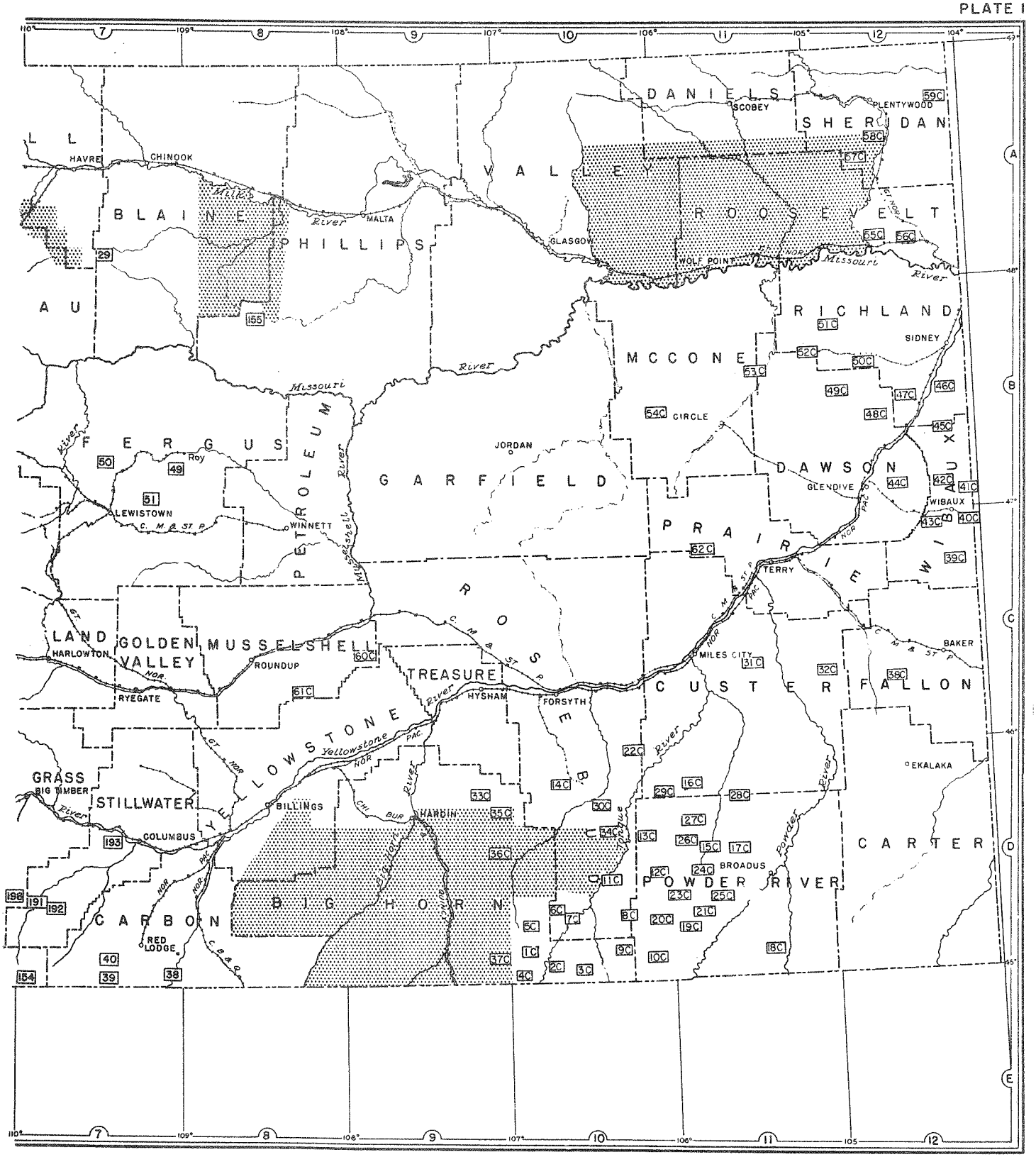
[1] "As received" basis (where more than one sample available, figures given are average figures).

By Robert E. Matson

MONTANA BUREAU OF MINES AND GEOLOGY



MAP SHOWING DISTRIBUTION OF MINING DISTRICTS



AND STRIPPABLE COAL FIELDS IN MONTANA