

STATE OF MONTANA
BUREAU OF MINES AND GEOLOGY
E. G. Koch, Director

BULLETIN 10

DIRECTORY OF KNOWN MINING ENTERPRISES, 1958

Compiled by

Koehler Stout and Walter Ackerman
(Montana Bureau of Mines and Geology)

With Chapter On

THE MINERAL INDUSTRY OF MONTANA IN 1958
(Preliminary Annual Report)

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MONTANA SCHOOL OF MINES
Butte, Montana
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THE ANACONDA CO.
GEOLOGICAL RESEARCH LAB.

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Introduction

To keep abreast of the mining activity in Montana during 1958, the Montana Bureau of Mines and Geology has once again compiled this list of known mining enterprises active during the years 1957 and 1958. Those of you who received previous listings for the years 1953 through 1957 will note a change in the arrangement of order of listings. The mines are listed alphabetically under counties and the location by section, township, and range, and mining district has been given for those mines whose exact location is known to us. A map of Montana showing the different mining districts is included which will facilitate finding the area of a mine location.

Every possible effort has been made to have the information exact and complete. The inclusion of a property in the directory, however, is in no sense an endorsement of it, and responsibility for statements made rests with the person who furnished the data, and not with the Bureau of Mines and Geology. Correspondingly, omission of a property is not to be construed as a reflection on the merits of the property itself. Such omissions as occur are traceable to the failure of the last known operator to respond to repeated requests for necessary information. Nevertheless, in almost all such cases the missing data has been supplied from the most reliable sources available.

If any of you can provide us with the necessary additional information, or to note a change in status of a mine, please forward it. We strive to keep this yearly publication as up-to-date as possible, but we need your help.

The abbreviations used throughout this directory are as follows:

Barite	--	BaSO ₄	Manganese	
Chromite	--	Cr ₂ O ₃	Oxide	-- MnO ₂
Copper	--	Cu	Phosphate	-- P ₂ O ₅
Fluorite	--	CaF ₂	Silver	-- Ag
Gold	--	Au	Tungsten	-- WO ₃
Iron	--	Fe	Uranium	-- U ₃ O ₈
Manganese			Zinc	-- Zn
Carbonate	--	MnCO ₃		

Sec. -- section
T. -- township
R. -- range

Beaverhead

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>ARGENTA MINE Operators: Lee Smith & Robert Curry, 645 Kentucky Dillon, Montana Owner: A. French Dillon, Montana Active 1958</p>	<p>Au, Ag, Pb</p>	<p>Blue Wing district SE 1/4 SW 1/4 sec. 30, T. 6 S., R. 10 W.</p>
<p>BLACKSTONE MINE Operator: W. H. Olson, Box 87 Melrose, Montana Owner: Same as operator Active 1956, Inactive 1957, Active 1958</p>	<p>MnO₂</p>	<p>Bryant district sec. 29, T. 2 S., R. 9 W.</p>
<p>BLUE ORE MINE Operator: Angus A. McDonald Philipsburg, Montana Owner: Same as operator Active 1957-1958</p>	<p>MnO₂</p>	<p>Axes Canyon district SW 1/4 sec. 7, T. 8 S., R. 7 W.</p>
<p>BRENNER PLACER MINE Operator: Brenner Active 1958</p>	<p>Au</p>	<p>Colorado-Horse Prairie district</p>
<p>CALVERT (RED BUTTONS) MINE Operator: Minerals Engineering Co., Blair Burwell, President 30 South Montana, Dillon, Mont. Owner: Same as operator Active 1956-1957, Inactive 1958</p>	<p>WO₃</p>	<p>Dickey Bridge district sec. 12, T. 1 N., R. 12 W.</p>
<p>CALVIN MINE Operator: Commonwealth Lead Mining Company 444 West Center, Provo, Utah Owner: Same as operator Active 1956-1957, Inactive 1958</p>	<p>Au, Ag, Pb</p>	<p>Rochester district W 1/2 NE 1/4 sec. 28, T. 2 S., R. 7 W.</p>
<p>CANYON CREEK PHOSPHATE MINE Operator: Victor Chemical Co. Henry F. Johnson, Supt., Box 1966 Butte, Montana Owner: Victor Chemical Co. Rothe Weigel, Pres. 155 N. Wacker Drive, Chicago, Ill. Active 1956-1957-1958</p>	<p>P₂O₅</p>	<p>Canyon Creek district sec. 6, T. 2 S., R. 9 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>CARTER CREEK MINE Operator: Minerals Engineering Co. Blair Burwell, President 30 South Montana Street Dillon, Montana Owner: Same as operator Development 1956-1957-1958</p>	Fe	Carter Creek un-organized dist. sec. 3, 9, 10 T. 8 S., R. 7 W.
<p>CHARTER OAK MINE Operator: Kelly Herr Bannack, Montana Owner: F. E. Herr, Box 368 Dillon, Montana Active 1956-1957-1958</p>	Au, Ag, Cu, Pb	Blue Wing district SW 1/4 NE 1/4 sec. 4, T. 8 S., R. 11 W.
<p>CROWN-SMITH-DILLON MINE Operator: Tri-State Mineral Dillon, Montana Owner: Clyde Smith, Dillon, Mont. Active 1956-1957-1958</p>	Talc	Axes Creek un-organized dist. sec. 23, T. 8 S., R. 8 W.
<p>DEXTER MINE Operator: Henry Meine, Dillon, Mont. Owner: Unknown Inactive 1958</p>	Au, Ag, Pb	Argenta district sec. 15, T. 6 S., R. 10 W.
<p>FERDINAND MINE Operator: Rudy Nygren 207 W. Seventh Street Dillon, Montana Owner: Same as operator Active 1956-1957, Inactive 1958</p>	Au, Ag, Pb, Cu, Zn	Argenta district NW 1/4 SE 1/4 sec. 29, T. 6 S., R. 10 W.
<p>FISHER MINE Operators: Gaylord Thompson & Milton Bourassa, 907 E. Bannack. Dillon, Montana Owner: Unknown Active 1957, Inactive 1958</p>	Au, Ag, Pb	Argenta district NW 1/4, sec. 17 T. 6 S., R. 10 W.
<p>FRENCH CREEK MINE Operator: Olive K. Quick 309 W. Park St., Dillon, Montana Owner: Angus A. McDonald Philipsburg, Montana Active 1956-1957, Inactive 1958</p>	MnO ₂	Argenta district sec. 36, T. 5 S., R. 11 W.

Beaverhead

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>GLADSTONE MINE Operator: Ed Smith, 645 Kentucky Dillon, Montana Owner: Anthony French, Dillon Montana Active 1958</p>	<p>Au, Ag, Pb</p>	<p>Blue Wing district SW 1/4 SW 1/4 sec. 18, T. 6 S., R. 10 W.</p>
<p>GLENDALE SMELTER MINE Operator: Emmet Clary, Box 111 Melrose, Montana Owner: Hecla Consolidated Mining Company Active 1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Glendale district sec. 30, T. 2 S., R. 9 W.</p>
<p>GOB MINE Operator: Sodak Uranium & Mining Company, c/o Clyde Boyle Box 812, Hot Springs, South Dakota Owner: Unknown Active 1956-1957-1958</p>	<p>MnO₂</p>	<p>Apex unorganized district N 1/2 sec. 16, T. 5 S., R. 8 W.</p>
<p>GOLDSMITH MINE Operators: Edward Ledebur & Glen Shafer, 639 Kentucky Dillon, Montana Owner: Anaconda Mining Co. Jack Cohen, Butte, Montana Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Argenta district NW 1/4 NE 1/4 sec. 30, T. 6 S., R. 10 W.</p>
<p>GOVERNOR TILDEN MINE Operator: Rudy Nygren Argenta Star Route, Dillon, Mont. Owner: Anaconda Mining Co., & B. White, Est., Santa Anita, Calif. Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Argenta district SW 1/4 NE 1/4 sec. 18, T. 6 S., R. 10 W.</p>
<p>HECLA MINE Operator: L. B. Lively, Box 96 Melrose, Montana Owner: Conway Est. c/o Mrs. A. French, 114 Reeder St. Dillon, Montana Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Bryant (Hecla) dist. sec. 2, T. 3 S., R. 11 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>IVANHOE MINE Operator: Minerals Engineering Company, 30 S. Montana Street Dillon, Montana Owner: Carl Kennedy, Seattle Washington Active 1956-1957, Inactive 1958</p>	WO ₃	Browns Lake dist. E 1/2 NE 1/4 sec. 3, T. 4 S., R. 10 W.
<p>JACK MINE Operator: Lee Smith, 645 Kentucky Dillon, Montana Owner: Gold Finch Mining Co. c/o H. C. Russell Exploration and development, 1958</p>	Au, Ag, Pb	Argenta district sec. 13, T. 6 S., R. 11 W.
<p>JACKSON MINE Operator: Noel Jackson Jackson, Montana Owner: Same as operator Active 1957, Inactive 1958</p>	Ag, Pb	Ajax district (Miner Creek)
<p>KEYSTONE MINE Operator: Edward S. Lockett 1401 Gilman, Butte, Montana Active 1958</p>	Au, Ag	Dewey district
<p>LAST CHANCE MINE Operator: Sawyer Petroleum Co. 650 South Grand Avenue Los Angeles, California Development 1958</p>	Thorium	Frying Pan Creek district secs. 20, 28, 29, T. 10 S., R. 15 W.
<p>LOG CABIN MINE Operator: Arthur Semsak 2221 Leatherwood, Meaderville Montana Owner: Same as operator Active 1956-1957-1958</p>	Ag, Pb, Zn	Vipond district sec. 20, T. 1 S., R. 10 W.
<p>LUCKY STRIKE (STORM KING) MINE Operator: Ed Smith, 645 Kentucky Dillon, Montana Owner: Same as operator Active 1957, Inactive 1958</p>	Ag, Pb, Zn	Argenta district sec. 6, T. 6 S., R. 10 W.

Beaverhead

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>MAULDEN MINE Operator: Hand Mines, Dillon, Mont. Owner: Ida B. Hand, Dillon, Mont. Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Argenta district NW 1/4 NW 1/4 sec. 29, T. 6 S., R. 10 W.</p>
<p>M. D. MINE Operator: H. R. Maggers Rhame, North Dakota</p>	<p>Mn</p>	
<p>NEW DEPARTURE MINE Operator: Blue Dot Mining Co. Box 53, Dillon, Montana Owner: Gusta Miller, Dillon, Mont. Active 1956-1957, Inactive 1958</p>	<p>Ag, Pb, Zn</p>	<p>Blue Wing district NW 1/4 NW 1/4 sec. 26, T. 7 S., R. 11 W.</p>
<p>POLARIS MINE Operator: Andrew S. Hays Dillon, Montana Owner: Same as operator Active 1956-1957, Inactive 1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Polaris (Lost Cloud) district sec. 28, T. 5 S., R. 12 W.</p>
<p>S. S. & R. MINE Operator: Peter H. Sweeney Armstead, Montana Owner: Same as operator Active 1956-1957, Development 1958</p>	<p>Ag, Pb, Zn</p>	<p>Medicine Lodge dist. secs. 1, 2, T. 13 S., R. 12 W.</p>
<p>RUBY (CENTENNIAL) MINE Operator: J. R. Simplot Fertilizer Div., Box 912 Pocatello, Idaho Owner: U. S. Government, Dept. of the Interior, Bureau of Land Management, Billings, Montana Active 1956-1957-1958</p>	<p>P₂O₅</p>	<p>sec. 1, T. 15 S., R. 1 W.</p>
<p>STARLIGHT MINE Operator: M. H. Christensen Dillon, Montana Active 1957-1958</p>	<p>Au, Ag, Pb</p>	<p>Argenta district</p>
<p>SYLVIA MINE Operator: George M. Flemming Box 424, Dillon, Montana Owner: Same as operator Inactive 1958</p>	<p>Au, Ag, Pb</p>	<p>Argenta district sec. 12, T. 6 S., R. 11 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>TEMPLETON MINE Operator: K. A. Wellborn Armstead, Montana Active 1958</p>	Au	
<p>YELLOW BAND MINE Operator: French Creek Mining Co. Dillon, Montana Owner: Shafer Brothers Dillon, Montana Active 1956-1957-1958</p>	Au, Ag	Argenta district SE 1/4 SE 1/4 sec. 2, T. 6 S., R. 11 W.
<p>ACE IN HOLE MINE Operator: D. H. Powell Toston, Montana Owners: Ray E. Nicolls, Willis Hossfield, Ed Samm Box 22, Radersburg, Montana Active 1956-1957-1958</p>	Ag, Pb	Cedar Plains dist.
<p>ACME MINE Operators: Stevens & Chamberlain Winston, Montana Owner: Edward Horsky Active 1956, Inactive 1957-1958</p>	Au, Ag	Beaver Creek (Winston) dist. secs. 30, 32, T. 9 N., R. 1 W.
<p>BLACKHAWK NORTH STAR MINE Operator: Roy E. Nicolls 201 W. Granite St., Butte, Mont. Owner: Same as operator Active 1956-1957-1958</p>	Au, Ag, Cu, Pb, Zn	Cedar Plains (Radersburg) dist. sec. 17, T. 4 N., R. 1 W.
<p>COPPER CITY MINE Operator: Copper Chemical Co. c/o A. F. Griffeth, Box 912 Three Forks, Montana Owner: Dunbar Ranch Three Forks, Montana Active 1957-1958</p>	Cu	Copper City dist. NW 1/4 SE 1/4 sec. 25, T. 3 N., R. 2 E.
<p>COPPER QUEEN MINE Operator: J. J. Rothfus 2100 Oregon Ave., Butte, Mont. Owners: John J., Elmer & Louisa Rothfus, Butte, Montana Active 1956, Inactive 1957-1958</p>	Au, Ag, Cu	Cedar Plains (Radersburg) dist. sec. 9, T. 5 N., R. 1 W.

Broadwater

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
DIAMOND HILL MINE Operator: Palmer Engh Townsend, Montana Owner: Same as operator Active 1956-1957-1958	Ag	Park (Indian Creek) district SE 1/4 SW 1/4 sec. 36, T. 7 N., R. 1 W.
EAGLE DUMP MINE Operator: William Zimmerman Townsend, Montana Owner: Satalite Mining Co. c/o William Zimmerman Townsend, Montana Active 1956, Inactive 1957-1958	Au, Ag, Cu, Pb, Zn	Backer (Confederate Gulch) district T. 10 N., R. 2 E.
EAST PACIFIC MINE Operator: Austin Minerals, Inc., of Nevada, c/o Eugene Posner 1044 S. Palm Avenue, San Gabreil, California Owner: Montana Consolidated Mines Active 1957-1958	Au, Ag, Pb, Zn	Winston (Beaver Creek) district secs. 26, 27 T. 8 N., R. 1 W.
EDNA #2 MINE Operators: Robert C. Berndt & Ray W. Reynolds, Winston, Mont. Owner: Emily Muffly Active 1958	Ag, Cu, Pb, Zn	sec. 13, T. 8 N., R. 1 W.
ENDEVOUR MINE Operator: Henry Schreiner Townsend, Montana Owner: Same as operator Active 1956, Inactive 1957-1958	Ag, Pb	Park (Indian Creek) district
ERICKSON #1, 2, 3, MINE Operator: William Zimmerman Townsend, Montana Active 1958		Hassel district
GOLD BUG & MARY ROSE MINE Operator: Multiform Mining & Exploration Co., 1847 Princeton Ave. St. Paul, Minnesota Owner: Same as operator, J. F. Carpentier, Pres. Active 1958	Au, Ag, Cu, Pb, Zn	Cedar Plains dist.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
HOMESTEAD #2 PLACER MINE Operator: Beavertail Mining Co. Alexander H. Rice, Est. Townsend, Montana Owners: Harry C. & Charles Baum Active 1957-1958	Au, Ag	Beaver Creek dist. sec. 33, T. 9 N., R. 1 W.
HUMMINGBIRD MINE Operator: Ben Jones Townsend, Montana Active 1958	Au, Ag	Townsend district NE 1/4 sec. 13, T. 10 N., R. 2 E.
HYANTHA TUNNEL MINE Operators: McInnis & Ditmer Winston, Montana Owner: Emily Muffly Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	Beaver Creek (Winston) dist. NE 1/4 SE 1/4 sec. 13, T. 8 N., R. 1 W.
IRON CROSS MINE Operators: Ralls & Harris Brothers Box 114, Radersburg, Montana Owner: Same as operator Active 1956-1957-1958	Iron Ores	Cedar Plains (Radersburg) dist. sec. 12, T. 5 N., R. 1 W.
IRON MASK MINE Operator: Kenneth Toney Townsend, Montana Active 1956-1957-1958	Ag, Pb, Zn	Park (Indian Creek) district sec. 24, T. 7 N., R. 1 W.
IRON MASK #3 MINE Operators: George I. Rider & Amos Boche, Townsend, Montana Active 1957-1958	Au, Ag, Pb, Zn	Park (Indian Creek) district
JANUARY GROUP MINE Operator: Ed Pohl, Manager Hoge Building, 105 Harvard North Seattle, Washington Owner: George G. Neil, et al. Active 1956-1957-1958	Au, Ag, Cu, Pb, Zn	Beaver Creek (Winston) dist. sec. 26, T. 8 N., R. 1 W.
JOSEPHINE & BABY DOE MINE Operator: Roy Nicolls, RFD Toston, Montana Owners: Willis Hossfield, Roy Nicolls, Ed Samm, Radersburg, Montana Active 1957-1958	Mn	Cedar Plains dist. sec. 17, T. 4 N., R. 1 W.

Broadwater

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>KEATING DUMP MINE Operator: William Zimmerman Winston, Montana Owner: J. E. Murray Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Zn</p>	<p>Cedar Plains (Raders- burg) district E 1/2 sec. 13, T. 5 N., R. 1 W. W 1/2 sec. 18, T. 5 N., R. 1 E.</p>
<p>KELLY NO. 1 MINE Operators: K. H. Coursey & A. W. King, 1000 West Ewing, Helena, Mont. Owners: George Rider, A. W. King, & K. H. Coursey, Townsend, Mont. Active 1957-1958</p>	<p>Ag, Pb</p>	<p>Winston (Kellys Gulch) district sec. 19, T. 9 N., R. 1 E.</p>
<p>KLEINSCHMIDT MINE Operator: George Relyea Box 85, Garrison, Montana Owner: Same as operator Active 1957-1958</p>	<p>Au, Ag, Pb, Cu, Zn</p>	<p>Beaver Creek (Winston) dist. NW 1/4 SE 1/4 sec. 3, T. 8 N., R. 1 W.</p>
<p>LAKEVIEW MINE Operator: Kenneth Toney Townsend, Montana Owners: Mrs. Maude Miller & Mrs. June Toney, Townsend, Mont. Active 1957-1958</p>	<p>Ag</p>	<p>Baker district</p>
<p>LIBERATOR MINE Operator: C. A. Perry Townsend, Montana Owner: Riba Hampton, Butte, Mont. Active 1957, Inactive 1958</p>	<p>Ag</p>	<p>Beaver district</p>
<p>LONESOME PINE MINE Operator: Harold Carson, Winston Montana Owner: Bert Lanning, Winston, Mont. Active 1956, Inactive 1957-1958</p>	<p>Au, Ag</p>	<p>Beaver Creek (Winston) dist.</p>
<p>MARIETTA MINE Operator: Northern Milling Co. Townsend, Montana Owner: Harry Anders & Al Dance Townsend, Montana Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Park (Indian Creek) district sec. 15, T. 7 N., R. 1 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
MIDAS (IRON AGE) MINE Operator: H. T. O'Reilly Winston, Montana Owner: R. F. Whyte Active 1957, Inactive 1958	Au, Ag	Cedar Plains (Radersburg) dist. sec. 24, T. 5 N., R. 1 W.
MILES LEASE MINE Operator: Leonard Jarrard 2280 East Drive, Butte, Mont. Active 1957-1958	MnO ₂	
MILLER SLIM JIM MINE Operator: Beavertail Mining Corp. c/o Maude Miller, Box 667 Townsend, Montana Active 1956-1957, Inactive 1958	Au, Ag	Backer (Confederate Gulch) district sec. 13, T. 10 N., R. 2 E.
NORTH STAR (BLACKHAWK) MINE Operators: John F. Hopkins 401 N. Montana Ave., Helena, Mont. & Roy E. Nicols, Box 22, Radersburg Montana Owner: J. C. Forkner Active 1957-1958	Au, Ag, Zn	Beaver district NE 1/4 NW 1/4 sec. 24, T. 5 N., R. 1 W.
PATENT 2880 MINE Operator: Confederate Mining Corp. Box 566, Townsend, Montana Active 1956-1957-1958	Au, Ag	Backer district
PIONEER MINE Operator: Bill Lowery Townsend, Montana Active 1958	Au	Hassel district sec. 35, T. 7 N., R. 1 W.
SANTA ANITA MINE Operator: Oscar Hoveland Townsend, Montana Owners: Underseth & Hoveland Townsend, Montana Active 1957-1958	Au, Ag, Pb, Zn	Cedar Plains district secs. 28, 35 T. 5 N., R. 1 W.

Broadwater
Carbon

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
SILVER SADDLE MINE Operator: John F. Hopkins 401 N. Montana Ave., Helena, Mont. Owner: Harold Hogan, 1207 Ninth Ave. Helena, Montana Active 1956-1957-1958	Ag, Pb, Zn	Beaver Creek (Winston) district
STRAY HORSE MINE Operator: Louis Peura 1124 Sixth Avenue Helena, Montana Owner: The Anaconda Mining Co. Butte, Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	Beaver Creek (Winston) district sec. 35, T. 8 N., R. 1 W.
SULLIVAN GROUP MINE Operator: R. A. Tomcheck Winston, Montana Owner: Same as operator Inactive 1958	Au, Cu, Ag, Pb, Zn	Beaver Creek district sec. 13, T. 8 N., R. 1 W.
BICE MINE Operator: Lisbon Uranium Corp. Box 487, Lovell, Wyoming Owner: Cop Construction Co. Loren Bice, President, Billings Montana Active 1957-1958	Uranium Ore	secs. 4, 7, 8, 9, T. 8 S., R. 27 E. '
EAST PRYOR (FRAN #3) MINE Operator: Planet Exploration Corp. George Poniatowski, President 123-18 Metropolitan Avenue Kew Gardens, Long Island 15, N. Y. Owner: Same as operator Active 1957, Prospecting & Development 1958	Uranium Ore	Pryor Mountains district sec. 7, T. 9 S., R. 28 E.
KEY MINE Operator: Big Horn Mining & Development Company 539 W. Thoraine Blvd. San Antonio, Texas Inactive 1958	U ₃ O ₈	sec. 26, T. 9 S., R. 28 E.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>OLD GLORY MINE Operator: Pryor Mining Co. Corwin Rule, President Box 301, Bridger, Montana Owner: Same as operator Active 1956-1957, Prospecting 1958</p>	<p>Uranium Ore</p>	<p>Pryor Mountains district NE 1/4 NE 1/4 sec. 32, T. 8 S., R. 27 E.</p>
<p>PRYOR MOUNTAIN (DANDY) MINE Operator: Lisbon Uranium Corp. A. B. Kibbe, President 304 First Security Building Salt Lake City, Utah Owner: Same as operator Prospecting & Development 1957-1958</p>	<p>Uranium Ore</p>	<p>Pryor Mountains district sec. 7, T. 9 S., R. 27 E.</p>
<p>SANDRA MINE Operator: Midland Mining Co. C. M. Hauptman, President 207 Hedden Building Billings, Montana Owner: Same as operator Active 1957-1958</p>	<p>Uranium Ore</p>	<p>Pryor Mountains district NW 1/4 NW 1/4 sec. 33, T. 9 S., R. 27 E.</p>
<p>SWAMP FROG MINE Operator: Prytana Mining Co. Walter Dean, Manager Forsyth, Montana, or Box 861 Grand Junction, Colorado Owner: Dean-Stoick-Balboa, Forsyth Montana Active 1957-1958</p>	<p>U₃O₈</p>	<p>Pryor Mountains district sec. 21, T. 9 S., R. 27 E.</p>
<p>WARREN QUARRY Operator: Bighorn Limestone Co. Warren, Montana Active 1957-1958</p>	<p>Limestone</p>	<p>Pryor Mountains district</p>
<p>BOSS (ROCHESTER & ALLANTUS) MINE Operator: Boss Mines Inc. C. Hewitt, President, Box 904 Helena, Montana Owner: Neihart Cons. Silver Mining Company, Great Falls, Montana Active 1956-1957, Inactive 1958</p>	<p>Ag, Pb, Zn</p>	<p>Montana (Neihart) district sec. 28, T. 14 N., R. 8 E.</p>

Cascade
Deer Lodge

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
LEXINGTON MINE Operator: Lexington Silver Lead Mining Company, 621 Columbia Building, Spokane, Washington Active 1957-1958	Au, Ag, Pb, Zn	Montana (Neihart) district sec. 28, T. 14 N., R. 8 E.
SILVER BELLE MINE Operator: Texas-Montana Mining Company, Monarch, Montana Active 1956, Inactive 1957-1958	Ag, Pb, Zn	Barker district sec. 13, T. 15 N., R. 8 E.
STAR FRACTION MINE Operator: Lewis B. Stark, Neihart Montana Owner: Same as operator Active 1956, Inactive 1957-1958	Ag, Pb, Zn	Montana (Neihart) district secs. 29, 30, T. 14 N., R. 8 E.
SUNSHINE MINE Operators: Sidney & George Camp Monarch, Montana Active 1956, Inactive 1957-1958	Ag, Pb	Barker district
ALTURAS MINE Operators: Tom & John Moe 522 Hickory, Anaconda, Montana Active 1958	Au, Ag	
BLUE EYED NELLIE MINE Operator: John Cloeter 2000 S. Freeway, Tucson, Arizona Owner: Charles Brown 924 Burnside, Portland, Oregon Active 1957, Inactive 1958	Ag, Pb, Zn	Blue Eyed Nellie district SE 1/4 SE 1/4 sec. 14, T. 5 N., R. 12 W.
BROWNS QUARRY MINE Operator: The Anaconda Company Butte, Montana Active 1957-1958	Limestone	
BRIGHTSTAR MINE Operator: Mr. Joseph V. Maes 409 Monroe, Anaconda, Montana Active 1958	Au, Ag	

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>CABLE MINE Operator: Canyon Lode Mining Co. R. R. Wallace Anaconda, Montana Owner: Same as operator Active 1957, Inactive 1958</p>	<p>WO₃, Au, Cu</p>	<p>Silver Lake dist. SW 1/4 NW 1/4 sec. 10, T. 5 N., R. 13 W.</p>
<p>4-SOME MINE Operator: 4-Some Mining Co. William J. Fenner 1613 Ogden Avenue, Anaconda, Mont.</p>	<p>WO₃</p>	
<p>GOLD COIN MINE Operator: Gold Coin Mining & Milling Company, Box D, Philipsburg, Mont. Owner: Same as operator Inactive 1957-1958</p>	<p>Au</p>	<p>Silver Lake dist. NE 1/4 sec. 20, T. 5 N., R. 13 W.</p>
<p>LOG CABIN MINE Operator: Alf. C. Kremer 1149 Antimony, Butte, Montana Active 1958</p>	<p>Au, Ag</p>	
<p>LUCKY ARROWHEAD MINE Operator: McLane & Henderson Box 9 1/2 Cable Road Anaconda, Montana</p>	<p>WO₃</p>	
<p>McCABE MINE Operator: Marvin Croff Anaconda, Montana Owner: Joeseeph McCabe Anaconda, Montana Active 1956, Inactive 1957-1958</p>	<p>WO₃</p>	<p>Silver Lake dist. sec. 2, T. 5 N., R. 13 W.</p>
<p>OLSON MOUNTAIN MINE Operators: Moe & Heaphy 800 E. 6th Avenue Anaconda, Montana</p>		
<p>OPHIR MINE Operator: Carl Coon, Box 257 Avon, Montana Active 1958</p>		<p>SE 1/4 sec. 24, T. 8 N., R. 12 W.</p>

Deer Lodge
Fergus

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
SILVER REEF MINE Operator: Robert Montgomery Anaconda, Montana Active 1958	Au, Ag	
STORM LAKE MINE Owner: Robert Heaphy 800 E. Sixth Avenue Anaconda, Montana Active 1956, Inactive 1957-1958	WO ₃	Silver Lake district sec. 33, T. 5 N., R. 13 W.
TARLACH MINE Operator: Gunner Johnson 814 Birch, Anaconda, Montana Owner: R. R. Wallace, et al. Anaconda, Montana Active 1956, Inactive 1957-1958	WO ₃	Silver Hill district sec. 7, T. 4 N., R. 13 W.
TIP TOP MINE Operator: Tip Top Mining Co. 1611 W. Park, Anaconda, Montana Owner: Union Bank & Trust Co. Helena, Montana Active 1958	Au	secs. 6, 7 T. 5 N., R. 12 W.
TRIGGER MINE Operator: Silver Hill Tungsten Min. c/o John J. Meloy, 301 E. Eighth Ave. Anaconda, Montana Owner: Same as operator Active 1956, Inactive 1957-1958	WO ₃	Silver Lake district sec. 28, T. 5 N., R. 12 W.
AMERICA MINE Operator: Silver Dyke Mining Co. Lynn Phillips, Roy, Montana Owner: Claudia O. Lehman 803 Englewood Av., Englewood, Calif. Active 1957-1958	Ag, Pb, Zn	Cone Butte district sec. 19, T. 17 N., R. 19 E.
BLACK BULL MINE Operator: Granville S. Abbott Giltedge, Montana Owner: Same as operator Active 1956-1957-1958	Au, Ag, Pb, Cu, Zn	Warm Springs (Virgin Gulch) district sec. 7, T. 16 N., R. 20 E.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>HANOVER MINE Operator: Ideal Cement Company 601 Denver National Building Denver 2, Colorado Owner: Same as operator Active 1956-1957-1958</p>	Gypsum	secs. 22, 27 T. 16 N., R. 17 E.
<p>IRON CHANCELLOR MINE Operator: George H. O'Brien 401 S. Fifth Ave., Lewistown, Mont. Owner: Rob Roy Mining Company Spokane, Washington Active 1956-1957-1958</p>	Ag, Pb, Zn	Giltedge district T. 16 N., R. 20 E.
<p>SHOEMAKER (HEATH) MINE Operator: U. S. Gypsum Company W. E. Seeburger, Manager Heath, Montana Owner: U. S. Gypsum Company 300 W. Adams Street, Chicago 6, Ill. Active 1956-1957-1958</p>	Gypsum	secs. 1, 2 T. 14 N., R. 19 E.
<p>BLOW OUT MINE #1 Operator: Mark H. Howard 517 Broadway, Helena, Montana Active 1957-1958</p>	Ag	Hog Heaven dist.
<p>CEDAR HILLS MINE Operator: Cedar Hills Mining Co. 517 Broadway, Helena, Montana Active 1957-1958</p>	Ag	Hog Heaven dist.
<p>GOLDEN QUEEN #1 MINE Operator: Cedar Hills Mining Co. 517 Broadway, Helena, Montana Active 1957-1958</p>	Au, Ag	Hog Heaven dist.
<p>O. F. MARTIN MINE Operator: O. F. Martin Box 514, Hot Springs, Montana Owner: Northern Pacific Railway Co. St. Paul, Minnesota Development & Prospecting 1957-1958</p>	Au, Ag	Hog Heaven dist. SE 1/4 sec. 20, T. 25 N., R. 23 W.

Gallatin
Granite

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
KARST MINE Operator: Interstate Products Co. Wallace Street, Bozeman, Montana Active 1956-1957-1958	Asbestos	NW 1/4 SW 1/4 sec. 36, T. 5 S., R. 4 E.
NELLIE H. MINE Operators: Warren & Bond Toston, Montana Active 1957-1958	Ag, Pb	Deer Park district
THUMPER LODE & THUMPER LODE #2 MINE Operator: Daniel T. Barham, et al. Gallatin Gateway, Montana Owner: Same as operator Active 1956-1957-1958	Mica	sec. 30, T. 4 S., R. 5 E.
TRIDENT MINE Operator: Ideal Cement Co. Three Forks Portland Cement Division V. T. Williams, 620 Denver National Bank Building, Denver, Colorado Owner: Same as operator Active 1956-1957-1958	Limestone	SW 1/4 SW 1/4 sec. 3, T. 3 N., R. 2 E.
BAGDAD MINE Operator: Montana Mining & Eng. Co. c/o F. S. Neal, Box DD Philipsburg, Montana Owners: F. S. Neal, Guy Kneale E. J. Irvine, Philipsburg, Montana Development & Prospecting 1957 Inactive 1958	Au, Ag, Cu, Zn, Mo, U ₃ O ₈	Sapphire Mountains district sec. 14, T. 7 N., R. 17 W.
BEARMOUTH & DEEP GULCH MINE Operator: Valley Mining Company 3522 Linden Place Milwaukee 8, Wisconsin Active 1958		
BI-METALLIC MINE Operator: Peter Antonioli 524 S. Washington, Butte, Montana Active 1958	MnCO ₃ , Ag, Pb, Zn	Flint Creek district SE 1/4 SE 1/4 sec. 32, T. 7 N., R. 13 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>BLUE BELL MINE Operator: Ralph Gleason Deer Lodge (or Drummond) Montana Active 1957-1958</p>	<p>Au, Ag, Cu</p>	<p>Dunkleburg dist.</p>
<p>BOHRER MINE Operators: A. W. Wetzel & T. F. Colver, 614 Main Street Deer Lodge, Montana Owner: Mrs. Edith B. Freeh 607 S. Harris Avenue Columbus 4, Ohio Active 1957-1958</p>	<p>Au, Ag, Pb, Cu, Zn</p>	<p>E 1/2 SW 1/4, S 1/2 NE 1/4, SE 1/4 sec. 12, T. 11 N., R. 12 W. Flint Creek dist.</p>
<p>BROOKLYN MINE Operator: Silver Butte Mines, Inc. Maxville, Montana (or Burrard Building, Vancouver, B. C., Canada) Owner: Black & White Mining Co. Roger Little, Pres., 331 N. Ave. W. Missoula, Montana Active 1957-1958</p>	<p>Ag, Cu, Pb, Zn</p>	<p>Boulder (South Boulder) dist. SW 1/4 NE 1/4 sec. 5, T. 7 N., R. 12 W.</p>
<p>CADGIE TAYLOR MINE Operator: Ross Hayworth Philipsburg, Montana Active 1957-1958</p>	<p>Mn</p>	<p>Flint Creek (Philipsburg) district SW 1/4 NE 1/4 sec. 19, T. 7 N., R. 13 W.</p>
<p>CHICAGO MINE Operator: Earl Bellm Philipsburg, Montana Owner: Same as operator Active 1956, Inactive 1957-1958</p>	<p>MnO₂</p>	<p>Flint Creek (Philipsburg) district SE 1/4 sec. 18, SW 1/4 sec. 19, T. 7 N., R. 13 W.</p>
<p>CLIMAX MINE Operator: William McLean Box 155, Mayer, Arizona Owner: James A. Poore, Jr. 1200 W. Platinum Street Butte, Montana Active 1956-1957-1958</p>	<p>MnO₂</p>	<p>Flint Creek (Philipsburg) district SE 1/4 NE 1/4 sec. 30, T. 7 N., R. 13 W.</p>

Granite

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>COMANCHE MINE Operator: Ross Hayworth, Box 214 Philipsburg, Montana Owner: James Young Philipsburg, Montana Active 1956-1957-1958</p>	MnO ₂	Flint Creek (Philipsburg) district sec. 19, T. 7 N., R. 13 W.
<p>COPPER QUEEN MINE Operator: Joeseeph Metesh Philipsburg, Montana Active 1958</p>	Au, Ag	Boulder district
<p>DANDY MINE Operator: J. D. Hollowell Drummond, Montana Owner: S. H. Richardson (agent) 5529 Harvey Avenue Oakland 3, California Active 1957-1958</p>	Au, Ag, Zn	Flint Creek (Philipsburg) district secs. 1, 12, T. 12 N., R. 14 W.
<p>FOREST ROSE MINE Operator: A. L. Woodfin Drummond, Montana Owner: Ed Hughes, Butte, Mont. Active 1956, Inactive 1957-1958</p>	Au, Ag, Cu	Dunkleburg district SW 1/4 SE 1/4 sec. 22, T. 9 N., R. 12 W.
<p>GARRETT (DELTA) MINE Operator: Garrett Mining & Milling Co., c/o Eugene Garrett, Box 324 Anaconda, Montana Owner: Same as operator Development 1958</p>	Au, Bi, Mn	Red Lion district secs. 22, 27, 28 T. 6 N., R. 13 W.
<p>GRUBSTAKE MINE Operator: Eugene Garrett Anaconda, Montana Active 1956, Inactive 1957-1958</p>	Au, Ag	Red Lion district SW 1/4 SE 1/4 sec. 27, T. 6 N., R. 13 W.
<p>GUY KNEALE MINE Operator: Guy Kneale, Philipsburg Montana Inactive 1958</p>		
<p>GYPSY QUEEN MINE Operator: Gypsy Queen Mining Co. c/o Harley L. Pitman, Deer Lodge Montana</p>	WO ₃	

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
HENDERSON CREEK PLACER MINE Operator: Henderson Tungsten Co. c/o J. D. Drent, Hall, Montana Owner: H. & H. Mines, Inc. Drummond, Montana Active 1956, Inactive 1957-1958	WO ₃	Flint Creek dist. secs. 28, 31, 33 T. 9 N., R. 13 W.
HOPE MINE Operator: Fred E. Younkens 908 E. 2nd Street Spokane, Washington	WO ₃	
IRON AGE & REDEMPTION MINE Owner: Irving Arbuck San Francisco, California Active 1956, Inactive 1957-1958	MnO ₂	Flint Creek dist. NE 1/4 NW 1/4 sec. 31, T. 7 N., R. 13 W.
LITTLE EMMA MINE Operator: Frank Antonioli 1001 W. Gold Street Butte, Montana Active 1957, Inactive 1958	Mn	Flint Creek dist. SW 1/4 NE 1/4 sec. 19, T. 7 N., R. 13 W.
M & T MINE Operator: Lindquist & Lahood P. O. Box 373 Whitehall, Montana Active 1958		
MARIE MINE Operators: A. H. Morrison & Sons Box 45, Philipsburg, Montana Owner: William Flynn 604 Locust, Anaconda, Montana Active 1957, Inactive 1958	Mn	Flint Creek dist. SE 1/4 sec. 19, T. 7 N., R. 13 W.
MOUNTAIN VIEW MINE Operators: L. H. Page & R. H. Hartley, Box 273, Philipsburg Montana Active 1956, Inactive 1957-1958	MnO ₂	T. 6 N., R. 13 W.
MYSTERY MINE Operator: Mrs. Jennie Moore Box 523, Philipsburg, Montana Owner: Same as operator Active 1956-1957-1958	MnO ₂	Flint Creek (Philips- burg) district Center NW 1/4 sec. 30, T. 7 N., R. 13 W.

Granite

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>NON-PAREIL MINE Operators: Sherr & Sherr c/o Claude H. Bielenberg Deer Lodge, Montana Active 1956, Inactive 1957-1958</p>	Ag, Pb	<p>Boulder (South Boulder) district SW 1/4 SW 1/4 sec. 32, T. 8 N., R. 12 W.</p>
<p>QUEEN MINE Operator: Virgil Sanderson 2900 Moulton, Butte, Montana Active 1958</p>	Au, Ag	<p>Maxville district SW 1/4 sec. 35, T. 9 N., R. 14 W.</p>
<p>ROSS HAYWORTH MINE Operator: Ross Hayworth Philipsburg, Montana Active 1958</p>	Mn	<p>Flint Creek district</p>
<p>SAND BASIN PLACER MINE Operator: Western Fluorite Mining Co., 630 N. Avenue East, Missoula Montana (or Warren, Arkansas) Owners: Joeseph T. Abbey & Assoc. Hamilton, Montana Active 1958</p>		<p>secs. 8, 9, 10, 11, 13, 14, 17, 23, 24, 25, 26, T. 5 N., R. 17 W.</p>
<p>SCRATCH AWL MINE & SILVER PRINCE MINE Operator: Contact Mining Co. Peter Antonioli, 524 South Washington St., Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>	<p>MnO₂, Au, MnCO₃, Ag, Cu, Pb, Zn</p>	<p>Flint Creek (Philips- burg) district NE 1/4 SW 1/4 sec. 30, T. 7 N., R. 13 W.</p>
<p>SUNDAY MINE Operator: Ronald J. MacCalman 1010 5th Street, Deer Lodge, Mont. Owners: R. W. Marshall, New York & A. V. Corry, Butte, Mont. Active 1957, Prospecting and Development 1958</p>	Au	<p>Boulder district Center SW 1/4 sec. 27, T. 8 N., R. 12 W.</p>
<p>SUNLIGHT MINE Operator: Sunlight Mining Co. Box 768, Philipsburg, Montana Active 1956, Inactive 1957</p>	P ₂ O ₅	<p>Maxville district T. 8 N., R. 12 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
SUNSET (PLACER) MINE Operator: Ben Walkup, Box 644 Philipsburg, Montana Owner: Same as operator Active 1957, Development and Prospecting 1958	Au	Maxville district T. 8 N., R. 12 W.
TARLACH MINE Operator: Gunner Johnson Cable Road, Anaconda, Montana	WO ₃	
TIBBETS FOWLER MINE Operator: Master Mining Co. 6323 Avondale Ave., Chicago, Ill.		
TROUT ALGONQUIN MINE Operator: Trout Mining Division American Machine & Metals Roy McLeod, Supt., Philipsburg Montana Owner: Trout Mining Division C. W. Anderson, President 233 Broadway, New York 7, N. Y. Active 1956-1957-1958	MnO ₂ , Au, MnCO ₃ , Ag, Cu, Pb, Zn	Flint Creek (Philips- burg) district SE 1/4 SE 1/4 sec. 30, T. 7 N., R. 13 W.
TRUE FISSURE, DURANGO, & MOORLIGHT GROUP MINE Operator: Taylor-Knapp Co. c/o Don Johnson, Box FF Philipsburg, Montana Owner: Taylor-Knapp Company Philipsburg, Montana Active 1956-1957-1958	Au, Ag, Pb, Zn, MnO ₂ , MnCO ₃	Flint Creek (Philips- burg) district W 1/2 NW 1/4 sec. 29, T. 7 N., R. 13 W.
WEGNER MINE #2 Operator: Hans G. Scheiffele Philipsburg, Montana Active 1957, Inactive 1958	MnO ₂	
WHITE HORSE MINE Operators: W. L. Echols & N. E. Collier, Box 43 Philipsburg, Montana Owners: Wm. & Marie McDonell, Ruth & Jane Cole, Butte, Montana Inactive 1958		Flint Creek (Philips- burg) district sec. 30, T. 7 N., R. 13 W.

Jefferson County

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
AJAX MINE Operator: Delmos Brown Butte, Montana Active 1956-1957, Inactive 1958	Au, Ag, Pb, Cu	Homestake district
ALTA MINE Operator: Lahey Leasing Company 506 West Aluminum, Butte, Mont. Owner: Alta Mines Corporation c/o Floyd Small, Helena, Montana Active 1956-1957-1958	Au, Ag, Cu, Pb, Zn	Colorado (Corbin Wickes) district Center sec. 10, T. 7 N., R. 4 W.
ARIADNE MINE Operator: Krivo, Kapich, & Attwood Clancy, Montana Owner: Joeseeph Gable, 556 Fifth St. Helena, Montana Active 1956, Inactive 1957-1958	Ag	Colorado (Corbin Wickes) district secs. 4, 5, T. 7 N., R. 4 W.
AURORA MINE Operator: John G. Wall 1223 W. Granite Street, Butte, Mont. Owner: Matt Koppa, Basin, Mont. Active 1956-1958, Inactive 1957	Ag, Pb, Zn, Cu, Au	Cataract district SE 1/4 NE 1/4 sec. 2, T. 6 N., R. 6 W.
BADGER GROUP MINE Operator: Ken Wooten, Boulder Montana Active 1956, Inactive 1957-1958	Ag	Alhambra district Warm Springs Creek
BASIN JIB GROUP MINE Operator: Basin Jib Gold Mines, Inc. 100 Adelaide Street, West Toronto Ontario, Canada Owner: Jefferson Development Co. Box 1008, Everett, Washington Active 1956-1957; Inactive 1958	Au, Ag, Cu, Pb, Zn	Basin district sec. 18, T. 6 N., R. 5 W.
BERNICE MINE Operators: Madden & Naegli Basin, Montana Owners: Same as operators Active 1956, Development & Prospecting 1957, Active 1958	Ag, Pb	Upper Boulder River district T. 6 N., R. 8 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
BIG CHIEF MINE Operator: Dan Pyfer Jefferson City, Montana Active 1957-1958	Au, Ag, Pb, Zn	Golconda district
BLUE BELL (MARSH) MINE Operator: Ed. Scheitlin 1821 Lowell Ave., Butte, Mont. Owner: Same as operator Development 1958		Pipestone district sec. 35, T. 3 N., R. 6 W.
BLUEBIRD MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Montana Owner: Maude Cleve Bell Blackstone Apts., Helena, Montana Active 1956, Inactive 1957-1958	Ag, Pb, Zn	Colorado (Corbin- Wickes) district sec. 13, T. 7 N., R. 5 W.
BLUE BOY MINE Active 1956, Inactive 1957-1958	Ag, Pb	Clancy (Lump Gulch) district
BOULDER MINE Operator: W. R. Fallis, Basin, Mont. Owner: James P. Bragg, 2327 Harrison Avenue, Butte, Montana Active 1956-1957-1958	Au, Ag, Zn	Cataract district secs. 12, 13, T. 6 N., R. 6 W.
CARBONATE MINE Operator: Lester Lindquist Box 373, Whitehall, Montana Owner: Anaconda Mining Co. Butte, Montana Active 1956-1957-1958	Au, Ag, Pb, Zn	Whitehall dist. secs. 13, 24, T. 2 N., R. 5 W.
CLANCY MINE Operators: B. F. Blount & E. A. Fuller, Silver Star, Mont. Active 1958		
COMET GREY EAGLE MINE Operator: Standard Silver Mines Inc., Vancouver, B. C., Canada Owner: H. Mills, c/o Frank Rowe Boulder, Montana	Ag, Cu, Pb, Zn	Comet district sec. 35, T. 7 N., R. 5 W.

Jefferson

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>CRESCENT MINE Operator: Silver Crescent Mining Company, Box 295, c/o Wm. Hall Helena, Montana. Owner: Holter Est., Helena, Mont. Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Rimini district secs. 20, 21, 29, T. 8 N., R. 5 W.</p>
<p>DAILEY (ATLAS) MINE Operator: Uranium Corp. of America 525 Failin Bldg., Portland, Ore. (or Steve Giulio, Wickes, Montana) Owner: Daily Mines, Wickes, Mont. Active 1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Wickes district secs. 15, 16, T. 7 N., R. 4 W.</p>
<p>DAILY WEST MINE Operator: Charles E. Vann Helena, Montana Owner: Paul George, Basin, Mont. Active 1957-1958</p>	<p>Ag, Pb, Zn</p>	<p>Cataract district SW 1/4 SE 1/4 sec. 1, T. 6 N., R. 6 W.</p>
<p>ELKADOR & LITTLE NANCY MINE Operator: Leroy Barr, 513 W. Silver Butte, Montana Owner: C. W. West Est., Helena Montana Active 1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Corbin-Wickes dist. secs. 17, 18, T. 7 N., R. 4 W.</p>
<p>ELKHORN QUEEN MINE Operator: New Elkhorn Queen, Inc., Boulder, Montana Owner: Same as above Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Elkhorn district sec. 26, T. 6 N., R. 3 W.</p>
<p>FOURTH OF JULY & FIFTH OF JULY MINE Operator: William Mason 2165 Center Drive, Butte, Montana Owner: The Anaconda Co., Butte Montana Reopening 1958</p>	<p>Ag, Au</p>	<p>secs. 11, 12, T. 3 N., R. 7 W.</p>
<p>GOLDEN SUNLIGHT MINE Operator: American Explor. & Mining Co., c/o E. A. Scholz Russ Bldg., San Francisco, Calif. Owner: A. O. Smith Corp., Milwaukee Wisconsin Active 1956-1958, Inactive 1957</p>	<p>Au, Ag</p>	<p>Whitehall district sec. 19, T. 2 N., R. 3 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
GOLDEN THREAD MINE Operator: Gorden Giulio, Box 138 Boulder, Montana Active 1956-1957-1958	Au, Ag, Pb, Zn	Cataract district
GOOD FRIDAY MINE Operator: Woodrow & Weaver 595 W. Main Street, Helena, Mont. Active 1956-1957-1958	Zn	Clancy-Lump Gulch district secs. 14, 15, T. 8 N., R. 5 W.
GREAT SHIELD URANIUM MINE Operator: Great Shield Uranium Co., Inc., 602 7th Ave. West Calgary, Canada (or Toronto Canada) Owner: Rufus Turner, Basin, Mont. Inactive 1957-1958	U ₃ O ₈	NW 1/4 sec. 16, T. 7 N., R. 5 W.
GREGORY DUMP MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Montana Owner: Helena-Livingston Smelting & Refining Co., c/o Charles Pew Helena, Montana Active 1956-1957, Inactive 1958	Au, Ag, Cu, Pb, Zn	Colorado (Wickes) district Center NW 1/4 sec. 4, T. 7 N., R. 4 W.
HARRIET MINE Operator: Kenneth Wooten, Clancy Montana Active 1956, Inactive 1957-1958	Au, Ag	Clancy (Lump Gulch) district sec. 1, T. 2 N., R. 7 W.
HELEN'S PRIDE MINE Operator: A. W. King, Clancy, Mont. Active 1956, Inactive 1957-1958	Au, Ag	Clancy (Lump Gulch) district
HOPE MINE Operator: Hope Mining Assoc., Toivo Koivisto & James Marjama 406 E. Broadway St., Butte, Mont. Active 1957-1958	Cu, Ag	Cardwell (White- hall) district sec. 1, 2, T. 1 N., R. 3 W.
KLONDIKE MINE Operator: Walter B. Smith & Morris J. Smith, Boulder, Mont. Owner: H. J. Schreiner, et al. Pony, Montana Active 1957-1958	Au, Ag	Elkhorn district sec. 11, T. 6 N., R. 3 W.

Jefferson

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>LENA MINE Operator: E. Dean, 632 W. Granite Butte, Montana Owner: Kendall, Butte, Montana Sinking shaft 1958</p>	Au, Pb	Homestake area
<p>LITTLE NELL MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Mont. Owner: Margaret Larson & Mary B. Mead Active 1956-1957-1958</p>	Au, Ag, Cu, Pb, Zn	Clancy (Lump Gulch) district sec. 6, T. 8 N., R. 3 W.
<p>LOEBER MINE Operators: W. Beaver, Loney & Bernhardt, Helena, Montana Active 1957-1958</p>	Au, Ag, Cu, Pb, Zn	Clancy & Lump Gulch district
<p>LOTTA MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Montana Active 1957-1958</p>	Au, Ag, Zn	Cataract (Basin) district SW 1/4 SW 1/4 sec. 18, T. 6 N., R. 5 W.
<p>LUCKY HIT MINE Operator: G. W. Wolfe Whitehall, Montana Owner: Same as operator Active 1958</p>	Au, Ag, Pb, Zn, Cu	Cardwell district
<p>M. & T. MINE Operator: Lester Lindquist Box 373, Whitehall, Montana Active 1956-1957-1958</p>	Ag, Pb, Cu, Zn	Whitehall district
<p>MAMMOTH CLEANUP MINE Operators: S. Huckaba & S. Payne Butte, Montana Active 1957-1958</p>	Au, Ag, Cu, Zn	Clancy (Lump Gulch) district
<p>MCCLELLAN QUARRY MINE Operator: Maronick Limestone Co. East Helena, Montana Active 1957-1958</p>	Limestone	

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
MIDWAY MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Mont. Active 1956, Inactive 1957-1958	Ag	Colorado district
MINAH MINE Operator: Joseph T. Farrow 2420 Fir Street, Butte, Mont. Owner: R. T. Nagle c/o Edith Briscoe, Helena, Mont. Active 1956, Inactive 1957-1958	Ag, Zn	Colorado district SW 1/4 SW 1/4 sec. 8, T. 7 N., R. 8 W.
MONTANA MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Mont. Active 1957-1958	Ag	Colorado district sec. 12, T. 8 N., R. 4 W.
MONTANA MINE Operator: Ed Booes, Williamsburg Montana Active 1958	Au, Ag	Homestake dist.
MONTREAL STAR MINE Operators: Lee, William, & Jack Hicks, 1034 California Butte, Montana Owner: Godfrey Gagnier, 515 E. Third Anaconda, Montana Active 1958	Au, Ag, Cu	Lowland district NE 1/4 NW 1/4 sec. 3, T. 4 N., R. 7 W.
MORNING MINE Operator: Western America of Montana, Box 782, Helena, Mont. Owner: G. Holshue & D. DuBois Basin, Montana Active 1956-1957-1958	Au, Ag, Pb, Cu, Zn	Boulder district NE 1/4 sec. 18, T. 7 N., R. 5 W.
MORNING GLORY MINE Operator: J. K. Curtiss, Box 102 Basin, Montana Owners: P. O. Dorweiller, Algona, Iowa, & J. K. Curtiss Basin, Montana Active 1956-1957-1958	Au, Ag, Pb, Zn	Cataract district sec. 33, T. 7 N., R. 5 W.

Jefferson

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>MOUNTAIN QUEEN MINE Owner: E. J. Freudenstein 608 S. Washington Street Butte, Montana Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Pb</p>	<p>sec. 27, T. 4 N., R. 5 W.</p>
<p>NELLIE GRANT MINE Operator: Central Mines Inc. c/o R. E. Doepfer, Boulder, Mont. Owner: C. E. Pew, Helena, Mont. Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Clancy (Lump Gulch) district sec. 14, T. 8 N., R. 5 W.</p>
<p>NEW BALD EAGLE MINE Operator: William Mulcahy, Box 21 Butte, Montana Owner: Same as operator Prospecting 1958</p>	<p>Cu, Pb</p>	<p>Big Foot district sec. 16, T. 4 N., R. 5 W.</p>
<p>NIKI MINE Operator: Niki Mining Company c/o John Buttlemann, Three Forks Montana Active 1958</p>	<p>Mo</p>	<p>Homestake district NE 1/4 S 1/2 sec. 18, T. 3 N., R. 6 W.</p>
<p>PRESIDENT GROUP MINE Operator: Bill Chebul, c/o Vance & Leaphart, Security Building Helena, Montana Active 1957-1958</p>	<p>U₃O₈</p>	<p>secs. 4, 5, T. 8 N., R. 3 W.</p>
<p>PRICKLY PEAR PLACER MINE Operators: Lee & Ward Jefferson City, Montana Active 1958</p>	<p>Au</p>	<p>sec. 7, T. 7 N., R. 3 W.</p>
<p>SILVER CLAIM MINE Operator: Riverside Mining Co. N. O. Thune, Treas., Climax Minnesota Active 1956</p>	<p>Au, Ag, Pb, Zn</p>	<p>Colorado district</p>
<p>SILVER HILL MINE Operator: Silver Hill Mining Co. Gordon Guilio, Box 356, Boulder Montana Active 1957, Inactive 1958</p>	<p>Au, Ag, Pb, Zn</p>	<p>Cataract district</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
SKOOKUM PLACER MINE Operator: Theodore Nyquest Box 133, Boulder, Montana Owner: Same as operator Active 1957-1958	Au	Comet district sec. 12, T. 5 N., R. 6 W.
SUNNYSIDE MINE Operator: Lester Lindquist Box 373, Whitehall, Montana Active 1957-1958		
WHITE PINE MINE Operator: George Hoffman 917 8th Avenue, Helena, Mont. Active 1957-1958	Au, Ag, Cu, Pb, Zn, U ₃ O ₈	Warm Springs dist. secs. 29, 32, T. 8 N., R. 2 W.
DEWEY (IRON KING - IRON CLAD) Operator: Montana Iron Mining Co. Box 423, Dewey Whittaker, Pres. Stanford, Montana Development 1958	Iron Ores	Running Wolf dist. secs. 32, 33, 34, 35, 36, T. 15 N., R. 10 E.
DOCTOR KALLOCH MINE Operator: Edward Taskila Great Falls, Montana Active 1957-1958	Ag, Pb, Zn	Barker district T. 15 N., R. 8 or 9 E.
GOLD BUG (WEATHERWAX) MINE Operator: W. Lehman, Box 780 Lewistown, Montana Active 1956, Development 1957-1958	Au, Ag	Yogo district sec. 29, T. 14 N., R. 10 E.
TIGER MINE Operators: Croff & Montague Box 69, Monarch, Montana Owner: Glendennin Mines, Inc. c/o John T. Nightengale, Boston Massachusetts Active 1956-1957-1958	Au, Ag, Pb, Zn	Barker district secs. 5, 6, T. 15 N., R. 9 E.
WILLOW CREEK MINE Operator: Young-Montana Corp. Ernest Young, Pres., 2223 First Ave., Hibbing, Minnesota Owner: Same as operator Active 1956-1957-1958	Fe	Running Wolf dist. secs. 2, 4, T. 14 N., R. 10 E.

Judith Basin
Lake
Lewis & Clark

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
YOGO MINES Operator: The New Mine Sapphire Syndicate, Box 30, Utica, Montana Owner: Same as operator (Tom Sidwell, Pres.) Active 1956-1957-1958	Sapphires	Yogo district secs. 19, 20, 21, 22, 23, 24, T. 13 N., R. 11 E.
FLATHEAD MINE Operator: Waino Lindbom Kalispell, Montana Owner: The Anaconda Company Hennessy Bldg., Butte, Montana Development 1958	Ag, Pb	Hog Heaven district sec. 17, T. 25 N., R. 23 W.
AJAX MINE Operator: H. T. O'Reilly 933 Tenth Avenue, Helena, Montana Active 1956, Inactive 1957-1958	Au, Ag, Cu, Pb, Zn	Scratch Gravel dist. W 1/2 NW 1/4 sec. 1, T. 10 N., R. 4 W.
AURORA MINE Operator: Fred Schwarthaus 1000 Reosta Avenue, Helena, Mont. Inactive 1957-1958	Au, Ag, Pb, Zn	Bear Gulch district
BALD BUTTE MINE Operator: Oscar Hoveland Marysville, Montana Active 1956-1957-1958	Au, Ag, Zn	Marysville district NW 1/4 SW 1/4 sec. 10, T. 11 N., R. 6 W.
BLACKJACK (JACK POT) MINE Operators: Goodwin & Peura Route A, Helena, Montana		
DISCOVERY & MARGURETE MINE Operator: Cyrus M. & Vance Clinger 1510 S. 5th Street West, Missoula Montana Owners: Richard DuVall & C. M. Clinger, 1510 S. 5th Street West Missoula, Montana Prospecting 1958	Au, Ag, Cu, Pb, Zn	sec. 8, T. 14 N., R. 9 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>DRUMLUMMON MINE Operator: Montana Rainbow Mining Co., John Brophy, Gen. Supt., Marysville, Montana Owner: St. Louis Mining & Milling Co. Active 1957-1958</p>	<p>Au, Ag, Zn</p>	<p>Marysville district S 1/2 sec. 36, T. 6 W., R. 12 N.</p>
<p>CROSS FIRE MINE Operators: Albert Nyland & Neil Livingston, Jr., 204 Power Bldg. Helena, Montana Active 1956-1957-1958</p>	<p>Au, Ag, Zn</p>	<p>Scratch Gravel dist.</p>
<p>EAGLES NEST MINE Operators: Harry Johnson, Glen Fisher & L. E. Johns, Helena, Mont. Active 1957-1958</p>	<p>Cu</p>	<p>Rimini district</p>
<p>EMPIRE MINE Operator: Montana Mining & Milling Co., Jack Vandenberg, Gen. Mgr. 412 Power Block, Helena, Montana Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Marysville district secs. 33, 34, T. 12 N., R. 6 W.</p>
<p>FRONTIER MINE Operator: John E. Johnson 119 Cutler Street, Helena, Mont. Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Zn</p>	<p>York district</p>
<p>GOLD DOLLAR MINE Operator: Jack Parks, Box 59 Lincoln, Montana Owner: Same as operator Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Poorman district sec. 5, T. 13 N., R. 8 W.</p>
<p>GREGORY MINE Operator: Louis Peura 1124 6th Avenue, Helena, Montana Active 1957-1958</p>	<p>Base Metals</p>	
<p>HAPPY JACK MINE Operators: H. E. Charles & John Fletcher, 5 E. Woolman, Butte Montana Active 1958</p>	<p>Au, Ag</p>	

Lewis & Clark

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>HELENA MINE Operator: J. E. Stevens 1459 Cannon Street, Helena, Mont. Owner: Paul Smith, 26 W. 6th Ave. Helena, Montana Prospecting 1958</p>	<p>Au, Ag, Pb</p>	<p>Grass Valley district NW 1/4 NW 1/4 sec. 16, T. 10 N., R. 4 W.</p>
<p>HUMDINGER MINE Operator: Ray W. Crumb Avon, Montana Owner: Same as operator Active 1957, Development 1958</p>	<p>Au, Ag, Cu</p>	<p>Madison Gulch dist. sec. 35, T. 13 N., R. 9 W.</p>
<p>LITTLE OX MINE Operator: Louis Peura 1124 Sixth Ave., Helena, Montana Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Pb, Zn</p>	<p>Marysville district SW 1/4 sec. 23, T. 12 N., R. 6 W.</p>
<p>LITTLE SAMPSON MINE Operator: B. & M. Development Co. Rimini Route, Helena, Montana Active 1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Rimini district SW 1/4 NW 1/4 sec. 4, T. 8 N., R. 5 W.</p>
<p>LUCKY JOE MINE Operator: A. D. Chamberlain 320 North Benton Ave., Helena, Mont. Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Cu</p>	<p>Rimini district sec. 24, T. 8 N., R. 6 W.</p>
<p>MIDNIGHT MINE Operators: T. Ilotson Brothers Lincoln, Montana Active 1956, Inactive 1957-1958</p>	<p>Au, Ag, Cu, Zn</p>	<p>Heddleston district NE 1/4 NW 1/4 sec. 21, T. 15 N., R. 6 W.</p>
<p>MIKE HORSE MINE Operator: Norman Rogers Mining Co. Box 1719, Helena, Montana Owner: American Smelting & Refining Co., 120 Broadway, New York City 5 New York Active 1956-1957-1958</p>	<p>Au, Ag, Cu, Pb, Zn</p>	<p>Heddleston district SE 1/4 SE 1/4 sec. 28, T. 15 N., R. 6 W.</p>
<p>MONTE CHRISTO MINE Operator: Hans Mo, Templeton Hotel, Helena, Montana Owner: Same as operator Active 1957-1958</p>	<p>Au, Ag, Cu, Zn</p>	<p>Rimini district sec. 8, T. 8 N., R. 5 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
NICK & DICK MINE Operator: Percy Goodwin Route A, Helena, Montana Owner: Louis Peura, 1124 Sixth Ave. Helena, Montana Active 1956-1957-1958	Ag, Cu, Pb, Zn	Canyon Ferry dist.
PASS CREEK MINE Operator: Pass Creek Mining Co. Lincoln, Montana Active 1957-1958	Ag, Pb	Heddeleston district
PEARL MINE Operator: L. M. Warmouth Meaderville, Montana Active 1957-1958	Au, Ag	Scratch Gravel dist.
ROCK ROSE (DANDY) MINE Operator: E. J. Stevens Helena, Montana Active 1957-1958	Ag, Pb	Scratch Gravel dist. NE 1/4 NE 1/4 sec. 16, T. 10 N., R. 4 W.
SILVER COIN MINE Operator: Louis Peura 1124 Sixth Avenue, Helena, Mont. Active 1957-1958	Au, Ag, Pb, Cu, Zn	Scratch Gravel dist. 1 mile west of Ft. Harrison
SILVER CRESCENT MINE Operator: Silver Crescent Mining Company, Box 295, William Hall President, Helena, Montana Owner: Holter Est., Helena, Mont. Active 1956-1957-1958	Au, Ag, Pb, Zn, Cu	Rimini district SE 1/4 SE 1/4 sec. 20; NE 1/4 NE 1/4 sec. 29, T. 8 N., R. 5 W.
TRANSIT MINE Operator: Ray Jensen, Box 246 Fairfield, Montana Owner: H. G. Kleinschmidt, Box 145 Helena, Montana Active 1957-1958	Au, Ag, Pb, Zn	Rimini district NW 1/4 NE 1/4 sec. 8, T. 8 N., R. 5 W.
SWEETGRASS MINE Operator: The Anaconda Co. c/o C. W. Potter, Box 26, Butte, Mont. Owners: J. Moulton & L. R. Hanna Shelby, Montana Active 1957, Prospecting 1958	Cu, Ag	East Butte dist. sec. 25, T. 36 N., R. 4 E.

Lincoln

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
BIG SKY MINE Operator: Blaze Echo Box 283, Libby, Montana Prospecting 1958	W, Pb, Cu, Zn	Libby district sec. 36, T. 29 N., R. 32 W.
BLACK DIAMOND MINE Operator: W. E. Rankin Box 395, Troy, Montana Owner: Same as operator Prospecting 1958	Au, Ag, Cu, Pb, Zn	Pine Creek district sec. 2, T. 33 N., R. 34 W.
CHRISTMAS TREE MINE Operator: W. E. Rankin, Box 395 Troy, Montana Owner: Lloyd Kidder, Troy, Mont. Prospecting 1958	Au, Ag, Pb	sec. 16, T. 31 N., R. 34 W.
COPPER MOUNTAIN MINE Operators: D. & L. Kotschevar Missoula, Montana Owner: Same as operator Development 1958	Barite	Troy district NW 1/4 NW 1/4 sec. 12, T. 30 N., R. 34 W.
DANIEL LEE PROSPECT MINE Operator: Ernest Williams Box 697, Troy, Montana Development 1958	Cu	Troy district sec. 26, T. 29 N., R. 34 W.
ESTHER MAY MINE Operator: Henry Reinshogen Libby, Montana Owner: Roscoe Garrison Yaak, Montana Development 1958	Asbestos	Yaak district sec. 34, T. 36 N., R. 32 W.
HIGHLAND SILVER GROUP MINE Operators: Wm. G. Daily & R. L. Rittenouse, Route 3, Troy, Mont. Owners: Same as operators Development 1958	Au, Ag, Pb	sec. 36, T. 32 N., R. 35 W.
LARUE & CRIPE PROSPECT MINE Operators: Jack Larue & Donald Cripe, Yaak, Montana Owner: Same as operator Development 1958	Asbestos	Yaak district sec. 26, T. 35 N., R. 32 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>NEW MORNING GLORY MINE Operator: New Morning Glory Mines, Inc., 328 Second, Cherry Bldg. Seattle 4, Washington Active 1957-1958</p>	<p>Au, Ag, Pb, Zn</p>	<p>Sylvanite district sec. 34, T. 34 N., R. 33 W.</p>
<p>SNOWSHOE MINE Operator: St. Paul Lead Company & Merger Mines Corp., A. I. Osburn, Pres., Kellogg, Idaho Active 1956-1957-1958</p>	<p>Au, Ag, Pb, Zn</p>	<p>Libby district SE 1/4 SW 1/4 sec. 7, T. 28 N., R. 31 W.</p>
<p>ST. PAUL MINE Operator: St. Paul Lead Company Kellogg, Idaho Owner: Walter Zollers 217 W. Lincoln, Libby, Montana Active 1956-1957-1958</p>	<p>Ag, Pb, Zn</p>	<p>Libby district NE 1/4 NE 1/4 sec. 9, T. 28 N., R. 31 W.</p>
<p>VERMICULITE MOUNTAIN MINE Operator: Zonolite Company 135 South LaSalle Street Chicago 3, Illinois Owner: Same as above Active 1956-1957-1958</p>	<p>Vermiculite</p>	<p>Rainy Creek dist. secs. 14, 15, 22, 23, T. 31 N., R. 30 W.</p>
<p>WAYLETT GROUP MINE Operators: H. K. Waylett & Bob Jones, Libby, Montana Development 1958</p>	<p>W</p>	<p>Fisher River dist. sec. 20, T. 27 N., R. 30 W.</p>
<p>WEST FISHER & MILLER PLACER Operator: Oscar N. Miller Libby, Montana Owner: Same as operator Active 1957-1958</p>	<p>Au</p>	<p>Libby district sec. 4, T. 27 N., R. 30 W.</p>
<p>AMAZON MINE Operator: Wm. Cocanaugher Twin Bridges, Montana Owner: Scott Mallich Dillon, Montana Active 1958</p>	<p>Siliceous Cu</p>	<p>Stone Creek dist. sec. 20, T. 7 S., R. 6 W.</p>

Madison

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
ANTHONY MINE Operator: Tony Bubany c/o General Delivery Virginia City, Montana Active 1958		Nevada district
APEX MINE Operator: American Chement Corp. East Helena, Montana S. W. Stockdale, Secretary Owner: Same as operator Active 1956-1957-1958	Talc	Sweetwater dist. SE 1/4 sec. 1, NE 1/4 sec. 12, T. 8 S., R. 7 W.
BETTY MAY MINE Operator: O. F. Curteman Norris, Montana		
BIG BERTHA MINE Operator: Fred R. Starner 1310 Shillings, Missoula, Mont. Owner: Same as operator Active 1956-1957-1958	Au, Ag	Tidal Wave dist.
BILLY BENNIT MINE Operator: D. L. Golden Sheridan, Montana Owner: B. L. Golden, Sheridan Montana Active 1958		Tidal Wave dist.
BLACK ACE MINE Operator: Lewis C. Rollins Box 4, Waterloo, Montana Owner: Same as operator Active 1958	Au, Ag, Pb, Zn	Tidal Wave dist. NW 1/4 NE 1/4 sec. 34, T. 3 S., R. 5 W.
BISMARCK MINE Operator: Robert Lambert Sheridan, Montana Active 1958	Au, Ag, Pb	Tidal Wave dist. NE 1/4 SW 1/4 sec. 36, T. 2 S., R. 4 W.
BIRDIA MINE Operator: Soren Leth, Norris, Mont. Inactive 1958	Au, Ag	Norris district NE 1/4 NW 1/4

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
BROWN MINE Operator: Silver Brown Silver Star, Montana Active 1956, Inactive 1957-1958	Au, Ag, Zn	Silver Star district T. 2 S., R. 6 W.
CALVIN MINE Operators: Commonwealth Lead Mining Company, 424 Felt Bldg. 444 Center Street, Provo, Utah & Addy Development Co., Melrose Montana Owner: Same as operator (J. F. Featherstone, Pres., Salt Lake City Utah) Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	Rochester dist. W. 1/2 NE 1/4 sec. 28, T. 2 S., R. 8 W.
CLIFF LAKE MINE Operator: Mineral Mining & Milling Company, Box 41, Bozeman, Mont. Development 1958	Asbestos	sec. 25, T. 12 S., R. 3 E.
CHEMET #1 MINE Operator: American Chemet Corp. East Helena, Montana Owner: Same as operator Active 1958	Talc	Sweetwater dist. NE 1/4 sec. 12, NW 1/4 sec. 7, T. 8 S., R. 6-7 W.
CLANCY No. 1-2-3-4 MINE Operators: B. E. Blount & E. A. Fuller, Silver Star, Montana Owner: Same as operator Active 1956-1957-1958	Au, Ag, Cu	Silver Star dist. NE 1/4 sec. 33, T. 1 S., R. 6 W.
COPPER FLAT MINE Operators: James Magnus & R. Redfield, Sheridan, Montana Active 1958	Cu, Au, Ag	Tidal Wave dist.
DAIZY No. 1 MINE Operator: G. F. Heinz Sheridan, Montana Owner: L. Z. Leiter Est. 21 East Van Buren St., Chicago, Ill. Active 1956, Inactive 1957-1958	Au, Ag, Pb	Sheridan district T. 3 S., R. 4 W.

Madison

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
DIAMOND HITCH MINE Operator: Alladin Mining Co. c/o Robert Lambert, Sheridan, Mont. Owner: H. H. Halze Active 1956-1957-1958	Au, Ag, Pb	Tidal Wave district sec. 36, T. 3 S., R. 5 W.
EL FLEEDA MINE Operators: R. B. Farnsworth & Lloyd Brooks, 14 North Tracy Bozeman, Montana Owner: Union Bank & Trust Co. c/o Howard Schuyler, No. 4 Washington Place, Helena, Mont. Active 1957, Development 1958	Ag, Au, Cu	Fairweather (Virginia City) district sec. 26, T. 6 S., R. 3 W.
FAIRVIEW MINE Operator: Henry Stine, Twin Bridges Montana Owner: Mrs. Hall, Whitehall, Mont. Active 1956-1957, Inactive 1958	Au, Ag, Zn	Sheridan district secs. 31, 32, T. 3 S., R. 4 W.
FLORENCE (COOK) MINE Operator: Mike Dilulo, Whitehall Montana Owner: N. P. Railway, St. Paul Minnesota Development and Prospecting 1958	Cu, Pb, Zn, Ag, Au	Bone Basin district sec. 9, T. 1 S., R. 4 W.
GOLD PLATE MINE Operator: Arnold B. Carter Box 128, Norris, Montana Owner: Same as operator Prospecting & Development 1958	Au, Ag	Cherry Creek dist. secs. 25, 30, 31, T. 2 S., R. 2 E.
GREEN CAMPBELL MINE Operators: W. C. Geibel & J. H. Patterson, Silver Star, Mont. Owner: Same as operator Inactive 1958	Custom milling at mill	SW 1/4 NW 1/4 sec. 3, SE 1/4 NE 1/4 sec. 4, T. 1 S., R. 6 W. Silver Star district
HAWKEYE MINE Operator: C. E. Grant Twin Bridges, Montana Active 1956-1957-1958	Ag, Pb, Zn	Tidal Wave district Goodrich Gulch

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
HIGH RIDGE MINE Operator: Fred R. Starner 1310 Shillings, Missoula, Mont. Owner: Lester Taylor Twin Bridges, Montana Active 1956-1957-1958	Au, Ag, Cu, Pb	Tidal Wave dist. SE 1/4 SE 1/4 sec. 27, T. 3 S., R. 5 W.
HIGH UP (OXIDENTAL) MINE Operator: George N. George Andrus Hotel, Dillon, Montana Owner: Carl Elling, Est. 1612 Alameda Avenua, Alameda California Development 1958	Au, Cu, Ag, Pb, Zn	Sheridan district T. 3 S., R. 4 W.
KENT & MILLER MINE Operator: Herman Miller 318 South 5th East, Missoula, Mont. Owner: Montie J. Kent, Norris Montana	MnO ₂	SW 1/4 sec. 30, SW 1/4 sec. 31, T. 7 S., R. 1 W.
KEYSTONE MINE Operator: Tri-State Mineral Co. 2001 Lincoln Street, Ogden, Utah Active 1956-1957-1958	Talc	Blacktail district N 1/2 sec. 2, T. 8 S., R. 7 W.
LEODORA MINE Operator: Carl T. Carlson Twin Bridges, Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb	Rochester district
LOST LODGE MINE Operator: John T. McCale, General Delivery, Virginia City, Montana Owner: Joseph Lopez, Alder, Mont. & John T. Marisle, 9013 37th St., SW Seattle 16, Washington Active 1956-1957, Inactive 1958	MnO ₂	Barton Gulch dist. SE cor. sec. 3, T. 7 S., R. 4 W.
MAPLETON MINE Operators: Hughes & Gage Twin Bridges, Montana Active 1958	Au, Ag	Tidal Wave dist.

Madison

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
MARIETTA MILL MINE Operator: Carl Dixon, Virginia City, Montana Active 1956, Inactive 1957-1958	Au, Ag	Alder Gulch district SE 1/4 SW 1/4 sec. 15, T. 7 S., R. 3 W.
MISSOURI - McKEE MINE Operator: H. Denny, McAllister Montana Owner: Same as operator Active 1956, Inactive 1957-1958	Au, Ag	Washington (Meadow Creek) district N 1/2 sec. 30, T. 4 S., R. 2 W.
MOONLIGHT MINE Operator: Alder Gulch Mining & Development Company Virginia City, Montana Active 1958	Au, Ag	
MOUNTAIN FLOWER MINE Operator: R. H. & H. E. Rogers Box 11, Alder, Montana Owner: R. H. Rogers, Alder, Mont. Active 1958	Au, Ag	T. 6 S., R. 3 W.
NICHOLSON MINE Operator: Lyle Nichols, Cardwell, Mont. Owner: Same as operator Active 1958	Au, Ag	East Fork of South Boulder
OLD JOE MINE Operator: Fred Box, Pony, Mont. Owner: Salt Lake Pioche Mining Co. Active 1957-1958	Au, Ag, Pb	Pony (South Boulder) district T. 2 S., R. 2 W.
PAULINE MINE Operator: E. W. Greenwood Billings, Montana Active 1958	Au, Ag	Virginia City dist.
PIONEER MINE Operator: Patrick Doheny 136 El Camins, Beverly Hills, Calif. Owner: Wiedner & Frew Active 1957, Inactive 1958	Au, Ag, Cu	Alder Gulch district

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>RED PINE MINE Operator: Ruby Valley Development Co., 14503 Washington Ave., SW Tacoma, Washington Owner: Same as operator Active 1957-1958</p>	Au, Ag	Sheridan district
<p>RIDGEWAY MINE Operator: Lee Nichols Cardwell, Montana Active 1956, Active 1958</p>	Au, Ag	Pony district
<p>RIVERSIDE MINE Operator: K. D. Brown, Billings Montana Active 1957-1958</p>	Au, Ag	Pony district
<p>RUBY MINE Operator: American Chemet Corp. East Helena, Montana Owner: Same as operator Active 1957-1958</p>	Talc	Willow Creek dist. secs. 20, 29 T. 8 S., R. 3 W.
<p>SAMPSON MINE Operator: Alder Gulch Mining Co. c/o Perry Blakely, Virginia City Montana Development 1958</p>	Au, Ag, Pb	sec. 29, T. 6 S., R. 3 W.
<p>SHAMROCK MINE Operator: Yellowstone Uranium Co. Hardin, Montana Owner: A. A. Moser, Box 516 Hardin, Montana Active 1956-1957, Inactive 1958</p>	Cu, Ag, Au	Silver Star dist. NW 1/4 NE 1/4 sec. 33, T. 1 S., R. 6 W.
<p>SILVER BELL MINE Operator: J. G. Evans & R. H. Rogers, Alder, Montana Active 1958</p>	Au, Ag	
<p>SILVER BULLION MINE Operator: Horse Creek Dev. Group 1327 W. Granite St., Butte, Mont. Owner: Mrs. Reba Storer, 1611 Sixth Street, Walkerville, Montana Development & Prospecting 1957</p>	Ag	Horse Creek dist. sec. 12, T. 8 S., R. 7 W.

Madison

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
STRAWBERRY MINE Operator: Pony Tungsten Enterprises, c/o Fred Box, Pony, Mont. Owner: Elling Est., Alameda, Calif. Active 1956-1958	WO ₃ , Au, Ag	Mineral Hill dist. NW 1/4 NE 1/4 sec. 14, T. 2 S., R. 3 W.
STRAWN MINE Operator: Wm. Coconaugh Twin Bridges, Montana Owner: Julian Strawn, Twin Bridges Montana Active 1958	Au, Ag	Beal Canyon
TREASURE STATE MINE Operator: Tri-State Mineral Co. Dillon, Montana Owner: Same as operator Active 1956-1957-1958	Talc	NE 1/4 NE 1/4 sec. 15, T. 7 S., R. 6 W.
YELLOWSTONE MINE Operator: Sierra Talc & Clay Co. 1608 Huntington Drive, South Pasadena Calif., E. W. Stevens, Supt. Owner: Same as operator Active 1956-1957-1958	Talc	Johnny Gulch dist. sec. 4, T. 9 S., R. 1 W.
WEST MAYFLOWER MINE Operator: Peter Antonioli, 505 S. Clark Street, Butte, Montana Owner: The Anaconda Company Butte, Montana Active 1958	Au, Ag	Cedar Hollow dist. Center sec. 32, T. 1 N., R. 3 W.
WEST SHORE MINE Operators: L. Johnson & A. Lane Three Forks, Montana Active 1958	Au, Ag	
RAMSHORN MINE Operator: F. & S. Mining Co. Butte, Montana Owners: W. K. Bray, Chester Stine, & Lloyd H. Miller, Sheridan, Montana Prospecting & Development 1958	Iron ores	Sheridan district sec. 1, T. 5 S., R. 4 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>WETMORE MINE Operator: LaRue-Axtell, Calway Nebraska Owner: John Stephenson, Lima, Montana & Wetmore Bros., Monida Montana Active 1958</p>	Pumice	secs. 7, 18, T. 15 S., R. 4 W.
<p>COPPER DUKE MINE Operator: Ben Rux, Martinsdale Montana Owner: N. Hardman, Glendale California Active 1956-1957, Inactive 1958</p>	Ag, Cu	Copperopolis dist. SW 1/4 sec. 29, T. 10 N., R. 9 E.
<p>CUMBERLAND MINE Operator: H. O. Co. & HOCO Inc. Lenep, Montana Owner: Russel & Clara Manger White Sulphur Springs, Montana Active 1957-1958</p>	Ag, Cu, Pb, Zn	Castle Mountain district
<p>EXCHANGE PLACER MINE Operator: W. G. Walsh White Sulphur Springs, Montana Owner: Same as operator Active 1957, Development & Prospecting 1958</p>	Au	Thomas Creek district sec. 36, T. 11 N., R. 3 E.
<p>JACK BLACK MINE Operators: Jack & Barbara Black Martinsdale, Montana Owner: Same as operator Active 1957-1958</p>		
<p>JIM BEAM #1 MINE Operator: Harry Cameron Martinsdale, Montana Active 1957-1958</p>	MnO ₂	
<p>LAST CHANCE PLACER MINE Operator: Mrs. Valentine Wood White Sulphur Springs, Montana Active 1957-1958</p>	Au	Beaver district

Meagher
Mineral

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
LITTLE BELT MINE Operator: Fuesner Mining Co. Box 87, Basin, Montana Owners: Rom & Ottman, Roundup Montana Active 1956-1957, Inactive 1958	MnO ₂	sec. 32, T. 10 N., R. 10 W.
MAXINE MINE Operator: John R. Knight, Box 236 White Sulfur Springs, Montana Owner: Same as operator Active 1957-1958	MnO ₂	Maxine
RACHELE PIT (P. R. K.) MINE Operator: Sam Rachele, Box 243 Westby, Montana Owner: Sam Rachele, et al. Westby, Montana Active 1958	MnO ₂	Sangster Ranch district sec. 35, T. 13 N., R. 4 E.
RUSSI #1 & 2 MINE Operator: Walter Barham & Wm. Dyken, 26 N. Bozeman, Bozeman Montana Active 1957-1958	Mn	
YELLOWSTONE MINE Operator: Hamilton Mines, Inc. Lennep, Montana Owner: Castle Lead & Zinc Co. c/o C. E. Pew, Helena, Montana Development 1957-1958	Pb, Ag	Castle Mountain district sec. 11, T. 8 N., R. 9 E.
BOULDER MINE Operators: Jonathan & Theresia Kiesling, Rivulet Star Route Alberton, Montana Active 1956-1957-1958	Au	Cedar Creek dist. T. 19 N., R. 30 W.
CHRISTIAN'S CALUMET, DALY PLACER Operators: E. T. Vincent Lozeau, Montana, & Clay Lewis Superior, Montana Owner: Mrs. Mary Cron, Missoula Montana Active 1956-1957-1958	Au, Ag	Cedar Creek (Trout Creek) district

Mineral

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
CRON'S C. B. & Q. PLACER MINE Operators: E. T. Vincent, Lozeau Montana, & Clay Lewis, Superior Montana Owner: Mrs. Mary Cron, Missoula Montana Active 1956-1957-1958	Au, Ag	Cedar Creek (Trout Creek) district
GILDERSLEEVE (BONANZA GROUP) Operator: George Gildersleeve Box 565, Superior, Montana Owner: Same as operator Development & Prospecting 1958	Au, Ag, Cu, Pb, Barite	Cedar Creek dist. sec. 17, T. 15 N., R. 26 W.
HIGHBAR PLACER MINE Operator: Carl Westfall Box 434, Superior, Montana Active 1957-1958	Au	Cedar (Trout Creek) district
IRON MOUNTAIN MINE Operator: E. G. Smith, 410 Main Street, Kellogg, Idaho Active 1956	Au, Ag, Pb, Zn	Iron Mountain district secs. 1, 2, T. 17 N., R. 26 W.
MEADOW CREEK PLACER MINE Operator: Carl Westfall, Box 434 Superior, Montana Active 1956, Inactive 1957-1958	Au	Cedar Creek (Trout Creek) district
NANCY LEE MINE Operator: Nancy Lee Mines, Inc. E. G. Smith, 410 Main Street Kellogg, Idaho Active 1958	Ag, Cu, Pb, Zn	
NIGHT OWL MINE Operator: D. W. Alexander Superior, Montana Active 1956	Ag, Pb, Zn	Iron Mountain district
SNOWBIRD MINE Operators: Finlen & Sheridan Contractors, 1300 Chicago, Butte Montana Owners: Everett Lord & Mort Bacon Alberton, Montana Active 1956-1957, Inactive 1958	CaF ₂	sec. 19, T. 12 N., R. 25 W.

Mineral
Missoula

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
STEMWINDER PLACER MINE Operator: George M. Gildersleeve Box 565, Superior, Montana Active 1956-1957-1958	Au	Cedar Creek (Trout Creek) district
TARBOX & MEADOW MOUNTAIN Operator: C. F. Buls, 110 Van Buren Street, Missoula, Montana Owner: Same as operator Active 1956-1957-1958	Au, Cu, Ag, Pb	Saltese district sec. 36, T. 20 N., R. 31 W.
ARROWHEAD MINE Operator: Pioneer Corporation J. S. Barrett, Pres., Box 74 Missoula, Montana Owner: The Anaconda Company Hennessy Bldg., Butte, Montana Active 1956-1957, Inactive 1958	MnO ₂	Cramer Creek dist. NE 1/4 SW 1/4 sec. 3, T. 11 N., R. 16 W.
BELLEVIEW MINE Operator: E. R. Terry Clinton, Montana Owner: Same as operator Active 1956, Inactive 1957-1958	Au	Clinton (Wallace) district sec. 17, T. 12 N., R. 16 W.
BLACKTAIL MINE Operators: E. C. Lucier & Pioneer Torpin, Box 66, Clinton, Montana Active 1956-1957, Inactive 1958	Ag, Pb	Cramer Creek (Copper Cliff) dist. sec. 30, T. 12 N., R. 15 W.
BLUE BELL (LEONARD) MINE Operator: Ralph Gleason, Deer Lodge, Montana Active 1957, Inactive 1958	Cu, Ag, Au	Copper Cliff dist. S 1/4 sec. 11, T. 12 N., R. 15 W.
CHARCOAL MINE Operators: G. Mongar & R. W. Inke McNamara, Montana Active 1957, Inactive 1958	Au, Ag, Cu, Pb	Wallace district sec. 10, T. 12 N., R. 16 W.
COLOMA MINE Operator: National Lead Co., Baroid Sales Div., H. H. Heath, Comptroller 2404 Danville, Houston, Texas Active 1956-1957-1958	BaSO ₄	Coloma district sec. 32, T. 13 N., R. 14 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
CRYSTAL SPRINGS Operator: William Dietrich Box 20, Greenough, Montana Active 1958	Au, Ag	
EILEEN MARSHA PLACER MINE Operator: Mickey E. or Earl A. Dotson, Stark, Montana Active 1957-1958	Au	Nine Mile district
ELK CREEK BARITE MINE Operator: Baroid Division, National Lead Co., Box 392, Missoula, Mont. Owner: Same as operator (Box 1675 Houston 1, Texas) Active 1956-1957-1958	Barite	Elk Creek district sec. 16, T. 13 N., R. 14 W.
HIDDEN TREASURE MINE Operators: Sid Sherwood, George Ames, William Pillates, Box 4 Clinton, Montana, & Hera Exp. Co. Renton, Washington Owners: Same as operators Development 1956, Active 1957-1958	Cu, Pb, Ag, Au	Clinton (Wallace) district S 1/2 NW 1/4 sec. 19, T. 12 N., R. 16 W.
JOSEPHINE CREEK MINE Operators: E. T. Vincent & Clay Lewis, Stark, Montana Active 1958	Au	T. 16 N., R. 23 W.
LA CHAMBRE PLACER MINE Operators: G. T. LaChambre & E. T. Vincent, Stark, Montana Owners: Same as operators Active 1956, Inactive 1957-1958	Au, Ag	Nine Mile district sec. 22, T. 17 N., R. 24 W.
MONGAR MINE Operator: George Mongar Clinton, Montana Active 1957-1958	Ag, Cu, Pb	Clinton district
NINE MILE MINE Operators: Lamon & Allen Stark, Montana Owners: Same as operators Prospecting 1958	Au	Nine Mile district sec. 18, T. 17 N., R. 24 W.

Missoula
Park

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
PEARL MINE Operator: L. W. Shubert, R. Lock- man, Glen Ailport, Route 1, Missoula Montana Active 1957-1958	Au, Ag, Cu, Pb	Potomac district
TWIN CREEKS PLACER MINE Operator: Victor Demin, Huson Montana Active 1956, Inactive 1957-1958	Au	Nine Mile district sec. 26, T. 17 N., R. 24 W.
ED & ANN MINE Operator: Thomas E. White Cooke City, Montana Active 1956, Inactive 1957-1958	Ag	New World district
GREAT RIFT (BIG BLUE, ST. JUDE) Operator: Mus Brothers, Box 364 Cooke City, Montana Owner: Same as operator Active 1957-1958	Ag, Pb	New World district SE 1/4 NE 1/4 sec. 10, T. 9 S., R. 14 E.
IRMA MINE Operator: Irma Mines Inc. Cooke City, Montana Owner: Irma Mines, Inc. c/o Lyman H. Brooks, Livingston Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	New World district secs. 35, 36, T. 9 S., R. 14 E.
HALF MOON MINE Operator: Half Moon Mining Co. c/o George Guay, Box 63 Billings, Montana Development & Prospecting 1958	Ag, Pb	sec. 1, T. 3 N., R. 11 E.
HUDSON MINE Operator: Mus Brothers Cooke City, Montana Owner: Same as operator Prospecting 1958	Ag, Pb	New World district SE 1/4 NE 1/4 sec. 10, T. 9 S., R. 14 E.
MOONLIGHT MINE Operator: Alder Gulch Mining & Development Co., Virginia City, Mont. Active 1958	Au, Cu, Ag	Gardiner district

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>SIN NOMBRE MINE Operators: T. J. Hallin & Donald Cameron, Jr., Box 314, Gardiner Montana Owner: Same as operator Inactive 1958</p>	Au, W	Crevasse district sec. 22, T. 9 S., R. 9 E.
<p>HAWKEYE MINE Operator: Northern Mining & Milling Co., Zortman, Montana Paul I. Raber, President Owner: Gold Reserve Mining Co. Box 541, Bozeman, Montana Active 1956-1957-1958</p>	Au, Ag, Zn	Little Rockies dist. sec. 7, T. 25 N., R. 25 E.
<p>INDEPENDENT MINE Operator: Jake Heppner, Landusky Montana Owner: Same as operator Development 1957, Inactive 1958</p>	Au, Ag	Little Rockies dist.
<p>LITTLE BEN MINE (GOLD BUG) Operator: Little Rockies Mining & Development Company, Frank Bryant Pres., Landusky, Montana Owner: Same as operator Active 1956-1957-1958</p>	Au, Ag, Pb, Zn	Little Rockies dist. sec. 15, T. 25 N., R. 24 E.
<p>RUBY GULCH MINE Operator: Northern Milling Co. Paul I. Raber, Pres., Zortman Montana Owner: Gold Reserve Mining Co. Don R. Bennett, Treasurer, Box 541 Bozeman, Montana Active 1957-1958</p>	Au, Ag, Pb, Cu	Little Rockies dist. sec. 17, T. 25 N., R. 25 E.
<p>ALICE MARIE PLACER MINE Operator: Francis Slaughter Gold Creek, Montana Active 1957-1958</p>	Au, Ag	Pioneer district

Powell

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
ANDERSON MINE Operator: Montana Phosphate Products Co., Consolidated Mining & Smelting Co., Ltd., Canada Owner: Same as operator Active 1956-1957-1958	Phosphate rock	Garrison district NE 1/4 sec. 3, T. 10 N., R. 10 W.
BLUEBELL MINE Operator: Ralph Gleason, Box 542 Deer Lodge, Montana Active 1957-1958	Au	
BONANZA MINE Operator: Ralph Gleason, Box 542 Deer Lodge, Montana Owner: The Zosil Family, Deer Lodge Montana Active 1956-1957-1958	Au, Ag, Pb	Zosell (Emery) dist. N 1/2 sec. 11, T. 7 N., R. 8 W.
BROCK MINE Operator: Montana Phosphate Products Co., Consolidated Mining & Smelting Co., Ltd., Canada Owner: Same as operator Active 1956-1957-1958	Phosphate rock	SW 1/4 sec. 10, T. 10 N., R. 10 W. Garrison district
CHARTER OAK MINE Operator: Charter Oak Mining Co. Box 566, Elliston, Montana, c/o J. T. Bonner Owner: John F. Hopkins, 401 N. Montana Avenue, Helena, Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	Nigger Hill district NW 1/4 SE 1/4 sec. 36, T. 9 N., R. 7 W.
ELLISTON LIME MINE Operator: Elliston Lime Co., 303 North Ewing St., Helena, Montana Owner: Same as operator Active 1956-1957-1958	Limestone	secs. 5, 6, T. 9 N., R. 6 W.
EMERY MINE Operator: Glen Hawe Drummond, Montana Active 1957-1958	Au, Ag, Pb	Emery (Zosell) dist. NE 1/4 NE 1/4 sec. 10, T. 7 N., R. 8 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
FLORA MINE Operator: Rupert Wolfe, Elliston Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb, Zn	Nigger Hill dist. NW 1/4 NW 1/4 sec. 1, T. 8 N., R. 7 W.
GOLDEN ANCHOR (BIG DICK-BLACKJACK) Operator: Golden Anchor Mining & Milling Co., Elliston, Mont. (or 1429 Old Natl. Bank Bldg., Spokane, Wash.) Owner: Same as operator Active 1956-1957-1958	Au, Ag, Pb	Nigger Hill dist. sec. 6, T. 8 N., R. 6 W.
GRAVELEY MINE Operator: Montana Phosphate Products Company, Garrison, Mont. Active 1956-1957-1958	P ₂ O ₅	Garrison district SW 1/4 sec. 2, T. 10 N., R. 9 W.
HIDDEN HAND MINE Operator: Howard C. Banks, 23305 55th West Mount Lake Terrace, Wash. Owner: Mrs. Ed Johnson et al. Route 1, Deer Lodge, Montana Active 1957, Development 1958	Au, Ag, Pb, Zn	Zosell (Emery) dist. NW 1/4 SW 1/4 sec. 2, T. 7 N., R. 8 W.
HUMDINGER MINE Operator: Ray Crumb, Avon, Mont. Owner: Same as operator Active 1956-1957	Au	Washington Gulch district T. 12 N., R. 9 W.
INDEPENDENCE MINE Operator: A. L. Rankin, 214 Hedden Building, Billings, Montana Owner: Same as operator Development 1957-1958	Au, Ag	Upper Pikes Peak (Gold Creek) dist. secs. 17, 18, T. 8 N., R. 11 W.
JACK PINE (TROUT CREEK) MINE Operator: Bunker Hill Co., Kellogg Idaho Owner: Russell Luke, Butte, Mont. Development 1958	P ₂ O ₅	Elliston district SW 1/4 sec. 35, T. 11 N., R. 7 W.
JULIA (COPPER KING-SURE THING) Operator: Elliston Consolidated Mining Co., Elliston, Montana Owner: Same as operator Prospecting 1958	Au, Ag, Pb, Zn, Cu	Elliston district SW 1/4 SE 1/4 sec. 5, T. 8 N., R. 6 W.

Powell

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
KEY MINE Operator: Key Tungsten Mining Co. Harley L. Pitman, President Deer Lodge, Montana Active 1958		
KILBURN PLACER MINE Operator: Pat Phelan, Western Mines Co., Helmville, Montana Owner: Same as operator Active 1957-1958	Au	Ogden Mountain dist. secs. 15, 16, 22, T. 13 N., R. 10 W.
LAZY L MINE Operator: Adolph D. Roat, Red Lodge, Montana Active 1958	Au	
LUCKY ANDY PLACER MINE Operator: Jefferson Gulch Mining Co., Helena, Montana Active 1956-1957, Inactive 1958	Au, Ag	Pioneer district
LUKE MINE Operator: Montana Phosphate Products Co., F. E. Burrett, Gen'l Mgr., Garrison, Montana Owner: Same as operator Active 1957-1958	Phosphate rock	Garrison district NE 1/4 sec. 15, T. 10 N., R. 9 W.
MARJORIE (AMENDED DRIFT PLACER) Operator: E. C. Lucier, Box 53 Goldcreek, Montana Active 1956-1957-1958	Pb	Pioneer district
NEGROS MINE Operator: John F. Hopkins 401 N. Montana Ave., Helena, Mont. Owner: Same as operator Active 1956, Inactive 1957-1958	Au, Ag, Pb	Nigger Hill district SE 1/4 SW 1/4 sec. 36, T. 9 N., R. 7 W.
NEW MAJESTIC MINE Operator: Richard Kiss, Goldcreek Montana Active 1956, Inactive 1957-1958	Au, Ag	Pioneer district

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
NORA MINE Operator: Henry Lauri, Elliston Montana Owner: Same as operator Active 1956-1957-1958	Au, Ag, Pb	Nigger Hill district
OLD SHOE #1 PLACER MINE Operator: Arthur H. Roat Polson, Montana Owner: Same as operator Development 1957-1958	Au	Finn district 1 mile north on North Fork of Washington Gulch
PEACOCK MINE Operator: Dan Pyfer, Whitehall Montana Active 1957-1958	Au	
PLUTARC MINE (SNOWFLAKE) Operators: William Russell & Cliff Bowen, Helmville, Montana Development & Prospecting 1957 Inactive 1958	WO ₃ , Au	Ogden Mountain dist. sec. 21, T. 13 N., R. 10 W.
PINEAU PLACER MINE Operator: MacIntosh Master Mining Company, Goldcreek, Montana Owner: Same as operator Active 1956. Prospecting 1957-1958	Au	T. 8 N., R. 11 W
RELYEA MINE Operator: George Relyea, Box 85 Garrison, Montana Owner: Same as operator Active 1956-1957-1958	P ₂ O ₅	Garrison (Brock Creek) district NW 1/4 sec. 13, T. 10 N., R. 10 W.
RESERVOIR PLACER MINE Operator: Montana Gold & Chemical Company, William J. Kinnick, Vice- President, 325 2nd Ave., Edgemont South Dakota Owner: Same as operator Active 1956-1957, Inactive 1958	Au, Ag	Pioneer district

Powell
Ravalli

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
ROGERS HOMESTEAD PLACER MINE Operator: Montana Gold & Chemical Company, William J. Kinnick, Vice- President, 325 2nd Ave., Edgemont South Dakota Owner: Same as operator Active 1956-1957, Inactive 1958	Au, Ag	Pioneer district
ROYAL MINE Operator: R. M. Bielenberg 801 Milwaukee Ave., Deer Lodge Montana Active 1956, Inactive 1957-1958	Au, Ag	Big Blackfoot dist.
RUBY GOLD MINE Operators: Richard Kiss & George Brand, Goldcreek, Montana Active 1956, Inactive 1957-1958	Au, Ag	Pioneer district
THIRD TERM MINE Operator: Northwestern Mining & Exploration Co., 5 SW 136th St. Seattle 66, Washington Owner: Elmer Lince, Elliston, Mont. Active 1957-1958	Au, Ag, Cu, Pb, Zn	Nigger Hill dist. NE 1/4 SE 1/4 sec. 28, T. 9 N., R. 6 W.
TREASURE MOUNTAIN (BIG DICK- BLACK JACK) MINE Operator: Golden Anchor Mining & Milling Co., Box 535, Elliston Montana Owner: Same as operator Development 1958	Au, Ag, Cu, Pb, Zn, Mn	Nigger Hill dist. T. 8 N., R. 6-7 W.
ACE MINE Operator: Harold Hiebert, Darby Montana Owner: Joe Hart, Darby, Mont. Active 1956, Prospecting 1957-1958	Ag	Mineral Point dist. sec. 32, T. 3 S., R. 22 W.
DARKSTAR MINE Operator: Continental Rare Metals Darby, Montana Owner: Wm. Van Metre, et al. Butte, Montana Development 1957-1958	Columbite	Mineral Point dist. secs. 1, 3, 4, T. 4 S., R. 22 W.

Ravalli
 Sanders
 Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
WOODTICK #1 PLACER MINE Operator: William D. Smith Darby, Montana Active 1957-1958	Au	Overwich district
JACK WAITE MINE Operator: American Smelting & Refining Co., C. H. Blackwell Superintendent, Wallace, Idaho Owner: Jack Waite Mining Co. 170 Broadway, New York City 38 New York Active 1956-1957-1958	Au, Ag, Cu, Pb, Zn	Eagle (White Pine) district W 1/2 sec. 17, T. 22 N., R. 32 W.
MONTANA STANDARD MINE Operator: Montana Standard Mining Co., Loy L. Vose, President 406 First Street, Wallace, Idaho Active 1956-1957-1958	Au, Ag, Cu, Pb, Zn	Prospect Creek (Burns) district NE 1/4 sec. 35, T. 21 N., R. 31 W.
AGNOSTIC MINE Operator: George Hubbard Box 1961 or 942, Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957-1958	MnO ₂	Summit Valley (Butte) district SE 1/4 SE 1/4 sec. 9, T. 3 N., R. 8 W.
ALICE MINE Operator: The Anaconda Co. Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958	Au, Ag, Cu	Summit Valley (Butte) district NW 1/4 NE 1/4 sec. 14, T. 3 N., R. 8 W.
ANSELMO MINE Operator: The Anaconda Co. Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958	Ag, Pb, Zn, Cu	Summit Valley (Butte) district NW 1/4 NW 1/4 sec. 13, T. 3 N., R. 8 W.
BADGER MINE Operator: The Anaconda Company Hennessy Building Butte, Montana Owner: Same as operator Active 1957, Inactive 1958	Sulfide ore	Summit Valley (Butte) district NE 1/4 NW 1/4 sec. 7, T. 3 N., R. 7 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
LARRIGON MINE Operator: G. W. Berggeren Box 229, Route 2 Hamilton, Montana Owner: Same as operator Development 1958		Hughes Creek dist. sec. 34, T. 2 S., R. 21 W.
CRYSTAL MOUNTAIN MINE Operators: Cummings & Roberts John Tabor, General Manager 739 North Highland Los Angeles 38, California Owners: A. E. Cumley, L. I. Thompson, R. D. Flightner Darby, Montana Active 1956-1957-1958	CaF ₂	Crystal Mountain district SW 1/4 sec. 18, T. 3 N., R. 18 W.
CURLEW MINE Operator: Curlew Mining & Development Co., c/o Harlen McFadgen Box 248, Stevensville, Montana Owner: Norman Holter, Curlew, Mont. Active 1958	Ag, Pb, Cu, Zn	Curlew district sec. 13, T. 8 N., R. 21 W.
HUGHES CREEK PLACER MINE Operators: Mabel & Gertrude Robbins Hamilton, Montana Owner: A. Smith, Darby, Montana Active 1956, Inactive 1957-1958	Au, Ag	T. 3 S., R. 21 W.
LUCKY JOE MINE Operator: National Uranium Co. Hypotheek Mining & Milling Co. Wallace, Idaho Owner: Same as operator Development & Prospecting 1957-1958	U ₃ O ₈	secs. 9 or 10, T. 3 S., R. 22 W. Mineral Point dist.
SMITH MINE Operator: Curlew Mining & Development Co. c/o Harlen McFadgen, Box 248 Stevensville, Montana Owner: John Smith, Helena, Mont. Active 1958	Ag, Pb, Cu, Zn	Curlew district T. 8 N., R. 21 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
BAY HORSE MINE Operator: William Mulcahy Box 21, Butte, Montana Active 1957-1958	MnO ₂	Summit Valley (Butte) district
BEAL DIKE PLACER MINE Operator: Thomas J. Linton Palace Hotel, Missoula, Montana Active 1957, Inactive 1958	Au, Ag	German Gulch district
BELMONT MINE Operator: The Anaconda Company Hennessy Building, Butte, Mont. Owner: Same as operator Active 1956-1957, Inactive 1958	Cu, Ag, Pb, Zn, Au	Summit Valley (Butte) district SE 1/4 NW 1/4 sec. 18, T. 3 N., R. 7 W.
BERKELEY PIT Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958	Au, Ag, Cu	Summit Valley (Butte) district NE 1/4 NE 1/4 sec. 18, T. 3 N., R. 7 W.
BLUE BIRD MINE Operator: William Mulcahy Box 21, Butte, Montana Owner: Bluebird Mining Company P. L. MacDonald, Hennessy Bldg. Butte, Montana Active 1956-1957-1958	MnCO ₃	Summit Valley (Butte) district NE 1/4 SE 1/4 sec. 16, T. 3 N., R. 8 W.
BRILLIANT MINE Operator: Irene Thomas, Box 272 2600 Elizabeth Warren Avenue Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Mont. Active 1956-1957-1958	MnO ₂	Summit Valley (Butte) district S 1/2 SW 1/4 sec. 10, T. 3 N., R. 8 W.
BURLINGTON MINE Operator: Peter Antonioli, Jr. 1001 W. Gold, Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1957-1958	MnCO ₃	Summit Valley (Butte) district SW 1/4 NW 1/4 sec. 15, T. 3 N., R. 8 W.

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>CREOLE MINE Operator: Carl Kennedy 2503 34th St., Seattle, Washington Owner: George W. Farlin Co. 1914 Magnolia Blvd., Seattle, Wash. Active 1957, Inactive 1958</p>	MnO ₂	<p>Summit Valley (Butte) district E 1/2 NW 1/4 sec. 15, T. 3 N., R. 8 W.</p>
<p>CUMBERLAND MINE Operators: Donald Fjermestad 300 E. Mercury St., & Norman Zeren, Butte, Montana Owner: H. D. Ayers, 1225 W. Platinum, Butte, Montana Active 1956-1957-1958</p>	MnCO ₃	<p>Summit Valley (Butte) district S 1/2 SW 1/4 sec. 10, T. 3 N., R. 8 W.</p>
<p>DIAMOND MINE Operator: The Anaconda Co. Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>		<p>Summit Valley (Butte) district NW 1/4 SW 1/4 sec. 7, T. 3 N., R. 7 W.</p>
<p>EAGLE BIRD MINE Operator: Adrian Le Coure 1114 W. Gold Street, Butte, Montana Owner: McDonald Estate, Butte, Mont. Active 1956-1957-1958</p>	MnCO ₃	<p>Summit Valley (Butte) district NW 1/4 NW 1/4 sec. 23, NE 1/4 NE 1/4 sec. 22, T. 3 N., R. 8 W.</p>
<p>EAST COLUSA PIT Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957, Inactive 1958</p>	Au, Ag, Cu	<p>Summit Valley (Butte) district SE 1/4 SE 1/4 sec. 7, T. 3 N., R. 7 W.</p>
<p>EASTER MINE Operator: Nick Milodragovich 317 S. Dakota Street, Butte, Mont. Owner: Andrew Rhodes, Glendale Oregon Active 1956-1957-1958</p>	MnO ₂	<p>Summit Valley (Butte) district Center SE 1/4 sec. 15, T. 3 N., R. 8 W.</p>

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>EMMA MINE Operator: The Anaconda Co. Hennessy Bldg., Butte, Montana Owner: Butte Copper & Zinc Co. A. A. Shelore, President 25 Broad Street, New York 4, N. Y. Active 1956-1957-1958</p>	<p>MnCO₃, MnO₂, Zn</p>	<p>Summit Valley (Butte) district NW 1/4 SE 1/4 sec. 13, T. 3 N., R. 8 W.</p>
<p>FAIRVIEW MINE Operator: J. Regnier Active 1957-1958</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district SW 1/4 NE 1/4 sec. 16, T. 3 N., R. 8 W.</p>
<p>FREDONIA MINE Operators: Glen Thomas, Box 272 2600 Elizabeth Warren Ave., Butte Montana, & Frank Swanson, 1021 Montrose, Colorado Springs, Colo. Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957-1958</p>	<p>MnO₂,</p>	<p>Summit Valley (Butte) district S 1/4 NW 1/4 sec. 15, T. 3 N., R. 8 W.</p>
<p>FRUITION MINE Operator: George W. Farlin Co. 1914 Magnolia Blvd., Seattle 99 Washington Owner: George W. Farlin Co. Box 832, Butte, Montana Active 1957, Inactive 1958</p>	<p>MnO₂, MnCO₃, Ag</p>	<p>Summit Valley (Butte) district T. 3 N., R. 8 W.</p>
<p>GAGNON PIT Operator: The Anaconda Co. Hennessy Building, Butte, Mont. Owner: Same as operator Active 1956-1957, Inactive 1958</p>	<p>Au, Ag, Cu</p>	<p>Summit Valley (Butte) district NW 1/4 NE 1/4 sec. 13, T. 3 N., R. 8 W.</p>
<p>GARIBALDI MINE Operator: Sam Varelia, 521 Shields Avenue, Butte, Montana Owners: John Curtiss, Butte, Mont. & The Anaconda Company, Butte Montana Active 1957-1958</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district NW 1/4 SE 1/4 sec. 15, T. 3 N., R. 8 W.</p>

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
GOOD LUCK MINE Operator: George Mongar Butte, Montana Active 1958	Au, Ag	Summit Valley (Butte) district
GREY EAGLE MINE Operator: Peter Rietz Active 1957-1958	MnO ₂	Summit Valley (Butte) district NW 1/4 NE 1/4 sec. 16, T. 3 N., R. 8 W.
GREGORY MINE Operator: John Medvitt Walkerville, Montana Active 1958	Ag, Pb, Zn	Summit Valley (Butte) district Center NE 1/4 sec. 2, T. 3 N., R. 8 W.
GREAT REPUBLIC MINE Operators: Edward Scheitlin, 848 W. Mercury St., William R. & Robert McDonel, 843 Lexington St. Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957, Prospecting 1958	MnCO ₃ , MnO ₂	Summit Valley (Butte) district NE 1/4 NE 1/4 sec. 16, T. 3 N., R. 8 W.
INDEPENDENCE MINE Operator: Peter Antonioli 524 Washington Street, Butte, Mont. Active 1958	MnO ₂	Summit Valley (Butte) district NW 1/4 NE 1/4 sec. 16, T. 3 N., R. 7 W.
JANE MINING PLACER Operator: David O. Taggert Butte, Montana Active 1957-1958	Au	Highland district
JEWEL MINE Operator: A. C. Fisher, Butte Montana Active 1958	Au, Ag	Rocker district

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>KELLEY MINE Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>	<p>Au, Ag, Cu</p>	<p>Summit Valley (Butte) district SW 1/4 SW 1/4 sec. 7, T. 3 N., R. 7 W.</p>
<p>LAVENA MINE Operators: Ernest Simon & Rudy Fortune, 315 South Jackson St. Butte, Montana Active 1956, Inactive 1957-1958</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district SW 1/4 SE 1/4 sec. 9, T. 3 N., R. 8 W.</p>
<p>LEONARD MINE Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>	<p>Au, Ag, Cu</p>	<p>Summit Valley (Butte) district Center SW 1/4 sec. 8, T. 3 N., R. 7 W.</p>
<p>LEXINGTON MINE Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>	<p>Ag, Cu, Pb, Zn</p>	<p>Summit Valley (Butte) district Center NE 1/4 sec. 12, T. 3 N., R. 8 W.</p>
<p>LITTLE ANNIE MINE Operator: William J. Tamietti 303 W. Daly, Walkerville, Mont. Active 1957-1958</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district NW 1/4 NE 1/4 sec. 11, T. 3 N., R. 8 W.</p>
<p>LITTLE SARAH MINE Operator: Umont Mining, Inc. 506 Silver Bow Building, Butte Montana Owners: Irving & Nelson, Silver Bow Building, Butte, Montana Active 1956-1957</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district NE 1/4 NW 1/4 sec. 15, T. 3 N., R. 8 W.</p>
<p>MAGNA CHARTA MINE Operator: Art Barsanti, 5 Sunview Terrace, Walkerville, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957, Inactive 1958</p>	<p>MnO₂</p>	<p>Summit Valley (Butte) district NE 1/4 NE 1/4 sec. 12, T. 3 N., R. 8 W.</p>

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>MAIDEN ROCK MINE Operator: Victor Chemical Company Butte, Montana Owner: Victor Chemical Company 155 North Wacker Drive, Chicago 6 Illinois Active 1956-1957-1958</p>	P ₂ O ₅	Maiden Rock dist. NE 1/4 sec. 5, T. 2 S., R. 9 W.
<p>MAJOR BUDD (RAMPART) MINE Operator: United Idaho Mining Co. c/o Roger Pierce, 808 Newhouse Bldg. Salt Lake City, Utah Owner: Rampart Mountain Mining Co. St. Louis, Missouri Active 1958</p>	Au, Ag, Cu, Pb	East Ridge (Summit Valley) district SE 1/4 SE 1/4 sec. 3, T. 3 N., R. 7 W.
<p>MAPLETON MINE Operator: Frank Antonioli 505 S. Clark Street, Butte, Mont. Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957, Inactive 1958</p>	MnCO ₃	Summit Valley (Butte) district N 1/2 NW 1/4 sec. 15, T. 3 N., R. 8 W.
<p>MARGET ANN MINE Operator: Monzonite Company Stanford R. Mahoney, 869 First Security Bank Bldg., Salt Lake City Utah Owners: Corette, Clagston, Calahan O'Donald Est., Butte, Montana Active 1956-1957-1958</p>	Au, Ag, Cu, Pb, Zn	Summit Valley (Butte) district E 1/2 SW 1/4 sec. 1, T. 3 N., R. 8 W.
<p>MC PHAIL PROSPECT Operator: David O. Taggert Box 1027, Butte, Montana Owner: Bill Frank Active 1957-1958</p>	Au, Ag	Highland district sec. 32, T. 1 N., R. 7 W.
<p>MINNIE JANE MINE Operators: Max M. Mogus, 728 N. Excelsior, Butte, Montana, & Al Stoval, 1644 Palm Craft Drive Phoenix, Arizona Owner: Butte Mines Merger Corp. c/o Elizabeth W. White, 1873 Phillips Ave., Butte, Montana Active 1956-1957-1958</p>	MnO ₂ , MnCO ₃	Summit Valley (Butte) district W 1/2 SE 1/4 sec. 15, T. 3 N., R. 8 W.

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
<p>MONTANA CLAIM Operator: William Mason, 2165 Center Drive, Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1957, Inactive 1958</p>	MnO ₂	Summit Valley (Butte) district Center NE 1/4 sec. 16, T. 3 N., R. 8 W.
<p>MOUNTAIN CON MINE Operator: The Anaconda Company Hennessy Building, Butte, Montana Owner: Same as operator Active 1956-1957-1958</p>	Cu, Ag	Summit Valley (Butte) district NE 1/4 SW 1/4 sec. 12, T. 3 N., R. 8 W.
<p>NETTIE HUBERNIC MINE Operator: Lloyd Brynie, 2222 Walnut Street, Butte, Montana Owner: The Anaconda Company Hennessy Bldg., Butte, Montana Active 1956-1957-1958</p>	MnO ₂	Summit Valley (Butte) district N 1/2 sec. 15, T. 3 N., R. 8 W.
<p>NORWICH - PLUTUS MINE Operator: Umont Mining Inc., King Street Dock, Burlington, Vermont, or 506 Silver Bow Bldg., Butte, Montana Owners: Irving & Nelson, Silver Bow Bldg., Butte, Montana Active 1956-1957-1958</p>	MnCO ₃	Summit Valley (Butte) district SW 1/4 SE 1/4 sec. 10, T. 3 N., R. 8 W.
<p>OLSEN FRACTION MINE Operator: James J. Naughton 304 E. Broadway Street, Butte, Mont. Active 1956, Inactive 1957-1958</p>	MnCO ₃	Summit Valley (Butte) district NW 1/4 NW 1/4 sec. 10, T. 3 N., R. 8 W.
<p>ORIGINAL MINE Operator: The Anaconda Company Butte, Montana Active 1957, Inactive 1958</p>	Sulfide ores	Summit Valley (Butte) district sec. 13, T. 3 N., R. 8 W.
<p>ORPHAN GIRL MINE Operator: The Anaconda Company Butte, Montana Owner: Same as operator Active 1957, Inactive 1958</p>	Sulfide ores	Summit Valley (Butte) district N 1/2 SW 1/4 sec. 14, T. 3 N., R. 8 W.

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
POORMAN MINE Operator: J. Regnier 114 S. Dakota Street, Butte, Montana Active 1957-1958	MnO ₂	Summit Valley (Butte) district
POSER MINE Operator: Phil Hannephin Butte, Montana Owner: The Anaconda Company Butte, Montana Active 1958	Au, Ag	Summit Valley dist. SW 1/4 SW 1/4 sec. 6, T. 3 N., R. 7 W.
SANKEY MINE GROUP Operators: C. B. M. Mining Con- tractors, 2422 Walnut Street, Butte Montana, & Robert Churchill, 1912 Grand Avenue, Butte, Montana Active 1956-1957-1958	MnO ₂	Summit Valley (Butte) district N 1/2 SE 1/4 sec. 9, T. 3 N., R. 8 W.
SCOTIA MINE Operator: John Medvitt, 732 North St. Walkerville, Montana Owner: Alexander Leggat, Butte Montana Active 1958	Mn, Ag	Summit Valley (Butte) district NE 1/4 SW 1/4 sec. 10, T. 3 N., R. 8 W.
SELF RISING MINE Operator: Joseph Mason, 1126 South Arizona Street, Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Inactive 1956, Active 1957-1958	MnO ₂	Summit Valley (Butte) district NW 1/4 SE 1/4 sec. 9, T. 3 N., R. 8 W.
SILVER CLEFT MINE Operators: Mrs. Nick Milodragovich 317 S. Dakota Street, Butte, Montana & Varelia Mining Company, 317 S. Dakota Street, Butte, Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1956-1957-1958	MnO ₂	Summit Valley dist. NW 1/4 SE 1/4 sec. 15, T. 3 N., R. 8 W.

Silver Bow

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
SNOWDRIFT MINE Operator: Allan W. Johnson R. F. D. # 1, Nine Mile, Butte Montana Owner: The Anaconda Company Hennessy Building, Butte, Montana Active 1957, Inactive 1958	MnO ₂	Summit Valley (Butte) district W 1/2 SW 1/4 sec. 2, T. 3 N., R. 8 W.
STEWARD MINE Operator: The Anaconda Company Butte, Montana Owner: Same as operator Active 1957, Inactive 1958	Sulfide ores	Summit Valley dist. NW 1/4 NE 1/4 sec. 13, T. 3 N., R. 8 W.
TRAVONA MINE Operator: The Anaconda Company Butte, Montana Owner: Same as operator Active 1957, Inactive 1958	MnCO ₃ , Ag	Summit Valley dist. SW 1/4 SW 1/4 sec. 13, T. 3 N., R. 8 W.
TUXEDO MINE Operator: David Anderson, Butte Montana Active 1957-1958	Ag, Au	Summit Valley dist. sec. 28, T. 4 N., R. 8 W.
TZARENA MINE Operator: Peter Antonioli 524 S. Washington St., Butte, Mont. Owner: The Anaconda Company Butte, Montana Active 1956-1957-1958	MnO ₂	Summit Valley (Butte) district NE 1/4 NW 1/4 sec. 23, T. 3 N., R. 8 W.
UNITA MINE Operator: Ray Chamberlain 1012 E. Galena Street, Butte, Mont. Owner: Largey MacDonald Est. Butte, Montana Active 1956-1957-1958	MnO ₂	Summit Valley (Butte) district Center SW 1/4 sec. 15, T. 3 N., R. 8 W.
VALDEMERE MINE Operators: F. Loman & E. Davies Walkerville, Montana Active 1958	Au, Ag	Summit Valley dist.

Silver Bow
 Stillwater
 Sweet Grass

<u>Name of Operation</u>	<u>Product</u>	<u>Property Location</u>
WEST MAPLETON MINE Operator: Peter Antonioli, Jr. 1001 West Gold Street, Butte, Mont. Active 1957-1958	MnO ₂	Summit Valley (Butte) district NE 1/4 NW 1/4 sec. 15, T. 3 N., R. 8 W.
WEST NETTI MINE Operator: James Arnoldi 1509 First Street, Walkerville, Mont. Active 1957-1958	Au, Ag	Summit Valley (Butte) district
MOUAT - SAMPSON MINE Operator: American Chrome Co. 1 Montgomery Street, Room 1225 San Francisco 4, California Owner: M. W. Mouat, Nye, Mont. Active 1956-1957-1958	Cr ₂ O ₃	Nye district secs. 20, 21, 28, 29, 30, T. 5 S., R. 15 E.
HALF MOON MINE Operator: Half Moon Mining Co. Charles I. Kolstad, President 805 Midland Bank Building, Billings Montana Active 1956, Inactive 1957-1958	Au, Ag, Pb	Independence dist.

MINERAL INDUSTRY SURVEYS

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

THE MINERAL INDUSTRY OF MONTANA IN 1958*

Preliminary Annual Report

The 1958 value of Montana mineral production declined 8 percent (\$14.9 million) from the previous year, according to estimates by the Bureau of Mines, United States Department of the Interior.

Copper, lead, and zinc production faced mostly unfavorable conditions during the year, which forced closure of higher cost operations and directed emphasis toward greater mechanization and open-pit mining and block caving. Output of the historically important metal, gold, declined to a new low. Conversely, production of the "black gold," petroleum, attained a new high.

Despite production decreases for many long-established mineral commodities, some less-developed mineral industries reported expanded output and facilities, heralding the development of new industries in the State. A new ammonium phosphate fertilizer plant was put into operation during the year. A pilot plant to produce high-carbon ferrochrome, with the largest domestic reserves of chromite available to it, began operation in December. A steam-electric generation plant was opened utilizing eastern Montana lignite. The prospects for utilization of large tonnages of Montana iron ore continued to grow; possibility of a future steel industry in the State was enhanced by technologic developments in direct-reduction processes.

REVIEW BY MINERAL COMMODITIES

METALS

Aluminum. -- Production at the Anaconda Aluminum Co. plant, Columbia Falls, Flathead County, was below capacity during the year because of poor market conditions. This wholly-owned subsidiary of The Anaconda Co., employing 600 workers, received power from the Hungry Horse Dam at a special low rate established by Bonneville Power Administration for industrial consumers locating within a 15 mile radius of dam sites. Anaconda Aluminum

*Prepared by K. D. Baber, G. A. Kingston, and N. S. Petersen, commodity specialists, under the supervision of A. J. Kauffman, Jr., Chief, Division of Mineral Industries, Bureau of Mines, Region I, Albany, Oregon, December 19, 1958.

Co. depended on imported Caribbean alumina that was supplied under contract by Kaiser Aluminum & Chemical Corp. and Reynolds Metals Co. The company continued development and research work on the technologic and economic feasibility of using Idaho clays as an alumina source. Reduction of inbound alumina freight rates by 50 cents per ton and outbound pig aluminum by \$2.25 per ton helped counterbalance the unfavorable Pacific Northwest competitive position in relation to the major eastern markets.

Chromium. -- Chromite concentrates purchased by the General Services Administration (GSA) from American Chrome Co. (Mouat mine), Stillwater County, and stockpiled at Nye, reached over two-thirds of the total 900,000 tons called for under a Federal purchasing contract. In the light of nearing completion of the contract, the company was investigating possible industry markets for ferrochrome.

A pilot plant to produce high-carbon ferrochrome was completed and began operating in December. The plant would have an initial output of 5 tons per day, which would be increased later to 15 tons per day. Research was being conducted on a method for upgrading 1.5 to 1 Cr:Fe ratio concentrates to a 3 to 1 Cr:Fe ratio or better.

The Mouat mine was the only Pacific Northwest producer of chromite in operation at the close of the year.

Copper. -- Production remained nearly static compared with 1957; only a slight decline (less than 1 percent) was reported. Copper output was increased toward the end of the year as prices advanced from a low of 25 cents a pound in January to 26.5 cents in June, and further to 27.5 cents a pound in October.

Butte, the leading copper producing area in the State, was unusually quiet. The Berkeley and Kelley mines (The Anaconda Co.) were in full production. The highly mechanized methods used resulted in relatively high output per-man-hour. The Anaconda Co. Leonard mine was closed at midyear, curtailing company production by 10 percent, as a step toward gaining a production-market balance.

Gold. -- State gold output in 1958 declined 32 percent (10,366 ounces) from the previous year. The 22,400 ounces produced during 1958 represented an alltime low in the reported history of gold production in Montana. The decrease was attributable to cutbacks in base-metal mining and a 31-percent decrease from 1957 in the number of gold producers (lode and placer combined). About 74 percent of the 1958 total came from Silver Bow County. Monthly production data showed a rise in output during the second half of the year.

Over 100,000 cubic yards of gold-bearing stream gravel was excavated by a floating dredge on Prickly Pear Creek, Jefferson County. The dredge was put into operation at midyear after being idle for nearly a decade.

TABLE 1.- Mineral production in Montana 1957-58 1/

Mineral	1957		1958 2/	
	Short tons (unless otherwise stated)	Value	Short tons (unless otherwise stated)	Value
Chromium ore and concentrate.....gross weight	119,149	\$3,921,439	123,000	\$4,126,000
Clays.....	31,710	23,860	4/	4/
Coal (bituminous and lignite).....	412,901	2,160,517	188,000	4/
Copper (recoverable content of ores, etc.).....	91,512	55,090,224	91,200	48,336,000
Fluorspar.....	64,339	4/	4/	4/
Gold (recoverable content of ores, etc.).....troy ounces	32,766	1,146,810	22,400	784,000
Iron ore (usable).....long tons, gross weight	35,538	4/	12,000	4/
Lead (recoverable content of ores, etc.).....	13,300	3,803,800	8,500	2,023,000
Manganese ore and concentrate (35 percent or more Mn) gross weight	68,298	4/	65,000	4/
Manganiferous ore and concentrate (5-35 percent Mn) 5/.....do.....	4,547	4/	4/	4/
Natural gas.....million cubic feet	28,638	2,062,000	33,600	2,600,000
Petroleum (crude).....thousand 42-gallon barrels	27,215	73,481,000	28,200	76,127,000
Phosphate rock.....long tons	533,926	3,824,923	4/	4/
Sand and gravel.....	6/ 11,403,021	6/8,732,089	11,500,000	9,000,000
Silver (recoverable content of ores, etc.).....troy ounces	5,558,228	5,030,477	3,395,900	3,073,000
Stone.....	2,567,423	3,654,201	2,000,000	2,500,000
Tungsten ore and concentrate (60 percent WO ₃ basis).....	661	4/	-	-
Zinc (recoverable content of ores, etc.).....	50,520	11,720,640	31,900	6,571,000
Value of items that cannot be disclosed: Barite, cement, clays (fire clay and bentonite) 1957, gem stones, gypsum, lime, mica, natural-gas liquids, pyrites, sulfur, talc, vanadium (1957), vermiculite, and values indicated by footnote 4.....		18,256,445		22,924,000
Total 7/.....	6/	192,172,000		177,277,000

1. Production as measured by mine shipments, sales, or marketable production (including consumption by producers).
2. Preliminary figures.
3. Excludes fire clay and bentonite.
4. Figure withheld to avoid disclosing individual company confidential data.
5. Production figures on manganiferous ores (less than 35 percent) mined and shipped to Government stockpile depots not included in State totals.
6. Revised figure.
7. Total has been adjusted to eliminate duplicating the value of stone.

Iron Ore. -- Iron ore development in the State was highlighted by extensive diamond- and rotary- drilling programs. Large-scale testing of 4,000 tons of iron ore mined at the Minerals Engineering Co. Carter Creek deposit, Beaverhead County, was begun. Ralls & Harris Bros. shipped 8,000 long tons of magnetite ore to a cement plant from the Iron Cross mine, Broadwater County. Young-Montana Corp. made no shipments during the year; this was the principal cause of a decline in total iron ore production.

Lead. -- A sharp decline and the lowest production since 1946 was reported for lead. Output, primarily from Butte area mines, was 36 percent (4,800 tons) under 1957.

Manganese. -- Final shipments were received at Butte and Philipsburg in May under the Government low-grade manganese purchase program (minimum manganese content of 12 percent at Butte and 15 percent at Philipsburg), fulfilling a quota of 6 million long ton units of recoverable manganese. This program accepted 34,893 tons of Montana low-grade manganese ore during 1958. The domestic small-producer "carlot" program (minimum of 40 percent manganese) continued with a goal of 28 million long ton units of contained manganese; over 20 million units had been received by September 30, 1958. This program was expected to terminate late in 1959.

Completion of the Butte-Philipsburg low-grade purchase program left only three producers operating in Montana: The Anaconda Co. (Butte Hill mines); Trout Mining Division, American Machine & Metals, Inc. (Trout-Algonquin group); and Taylor-Knapp Co. (Moorlight Group). The Anaconda Co. continued to utilize its output primarily for ferromanganese production. Taylor-Knapp Co. shipped sinter to the GSA "carlot" purchase program, and some chemical and battery grade ores. Trout Mining Division shipped metallurgical and battery grade ores; a fine-grained middling product from its manganese mill was sold to a base-metal refinery for use as an oxidant.

General market specifications during 1958 required at least 65 percent manganese oxide for battery grade ore, and 40 percent manganese and not more than 15 percent insoluble matter for metallurgical grade ores.

Silver. -- A decrease of 39 percent below 1957 was reported. Approximately 91 percent of the State total was produced in Silver Bow County, principally by The Anaconda Co. State output was at the lowest level since 1946.

Thorium. -- A thorite deposit in Beaverhead County was acquired by Sawyer Petroleum Co., Los Angeles, Calif. The company indicated intention to produce thorium concentrates from the property, located west of Armstead near the Idaho-Montana border.

Uranium. -- A small tonnage of uranium ore was recovered in the State during 1958. National Uranium Corp. and Hypotheek Mining & Milling Co.

TABLE 2.- Mine production of gold, silver, copper, lead, and zinc, 1949-53 (average) and 1954-58 in terms of recoverable metals 1/

Year	Mines producing		Material sold or treated <u>2/</u> (short tons)	Gold (lode and placer)		Silver (lode and placer)	
	Lode	Placer		Fine ounces	Value	Fine ounces	Value
1949-53 (average)...	206	24	4,179,389	36,784	\$1,287,433	6,427,856	\$5,817,534
1954.....	113	11	5,104,288	23,660	828,100	5,177,942	4,686,299
1955.....	100	12	7,259,917	28,123	984,305	6,080,390	5,503,060
1956.....	152	7	9,535,789	38,121	1,334,235	7,385,908	6,684,620
1957.....	125	13	10,790,009	32,766	1,146,810	5,558,228	5,030,477
1958 <u>3/</u>	90	5	10,479,900	22,400	784,000	3,395,900	3,073,000

Year	Copper		Lead		Zinc		Total value
	Short tons	Value	Short tons	Value	Short tons	Value	
1949-53 (average)...	61,612	\$29,457,415	20,029	\$6,086,459	73,976	\$21,909,845	\$64,558,686
1954.....	59,349	35,015,910	14,820	4,060,680	60,952	13,165,632	57,756,621
1955.....	81,542	60,830,332	17,028	5,074,344	68,588	16,872,648	89,264,689
1956.....	96,426	81,962,100	18,642	5,853,588	70,520	19,322,480	115,157,023
1957.....	91,512	55,090,224	13,300	3,803,800	50,520	11,720,640	76,791,951
1958 <u>3/</u>	91,200	48,336,000	8,500	2,023,000	31,900	6,571,000	60,787,000

1. Includes recoverable metal content of gravel washed (placer operations); ore milled; old tailings re-treated; and ore, old slag, and copper precipitates shipped to smelters during calendar year indicated.
2. Does not include gravel washed.
3. Preliminary figures. Gold and silver values calculated at U. S. Treasury buying price of \$35 a fine ounce and \$0.9050505 a fine ounce, respectively. In calculating production values for copper, lead, and zinc, preliminary average prices in 1958 per pound of refined metal were used, as follows: Copper, \$0.265; Lead, \$0.119; and Zinc, \$0.103.

TABLE 3.- Mine production of gold, silver, copper, lead, and zinc in 1958, by months, in terms of recoverable metals

Month	Gold (fine ounces)	Silver (fine ounces)	Copper (short tons)	Lead (short tons)	Zinc (short tons)
January.....	1,550	302,500	7,680	650	2,930
February.....	1,340	273,070	5,870	680	2,890
March.....	1,420	297,920	6,800	680	2,890
April.....	1,600	339,900	7,020	900	3,840
May.....	1,560	377,070	7,810	930	3,670
June.....	1,380	253,980	7,250	720	2,700
July.....	1,850	221,310	6,920	540	1,590
August.....	2,010	219,520	6,980	540	1,290
September.....	1,770	216,170	7,500	370	1,260
October.....	3,240	281,210	9,080	590	2,070
November.....	2,430	297,590	8,940	940	3,260
December.....	2,250	315,660	9,350	960	3,510
Total.....	22,400	3,395,900	91,200	8,500	31,900

TABLE 4.- Mine production of gold, silver, copper, lead, and zinc in Silver Bow County, 1949-53 (average), and 1954-58, in terms of recoverable metals

Year	Mines producing	Material sold or treated (short tons)	Gold lode and placer (fine ounces)	Silver lode and placer (fine ounces)
1949-53 (average).....	18	3,977,972	18,279	5,903,584
1954.....	22	4,987,849	17,395	4,663,439
1955.....	22	7,159,693	22,262	5,577,999
1956.....	21	9,394,981	31,132	6,772,380
1957.....	19	10,673,175	27,312	5,068,834
1958 <u>1</u> /.....	11	10,381,600	16,500	3,100,900

Year	Copper (short tons)	Lead (short tons)	Zinc (short tons)	Total value
1949-53 (average).....	61,149	15,346	68,626	\$60,227,297
1954.....	59,240	11,516	53,527	54,498,289
1955.....	81,428	14,331	62,588	86,240,115
1956.....	96,292	14,989	63,375	111,138,462
1957.....	91,393	9,617	43,169	73,327,727
1958 <u>1</u> /.....	91,100	5,700	25,100	58,194,200

1/ Preliminary figures.

continued joint exploration of the Lucky Joe uranium prospect, Ravalli County. Midland Mining Co. leased the Pearl Lode claim, and portions of the Bud Lode and Mine Lode claims from Pryor Mining Co. The properties, located in Carbon County, were leased for a 10-year period.

Zinc. -- Output of this metal decreased 37 percent compared with 1957. Silver Bow County supplied 79 percent of the total. The Anaconda Co. Anselmo mine was closed from July through September due to low metal prices. Closure of the electrolytic zinc plant at Anaconda because of a labor dispute was averted when union workers voted to strip 18 tanks of cathodes per shift instead of 12; the increase was made possible by installation of air hoists in place of hand-operated hoists.

NONMETALS

Barite. -- Production of barite by Baroid Sales Division, National Lead Co., was about half the 1957 total. Crude mine output was ground at the Greenough, Missoula County, plant for use in rotary-drilling mud.

Cement. -- Both quantity and value of cement output increased over 1957. Ideal Cement Co., Montana Division, Trident, Gallatin County, was the only producer in the State. The company continued to mine limestone, gypsum, and silica rock for use in the cement-making process.

Clays. -- The combined output of bentonite, fire clay, and miscellaneous clay was slightly less than 1957. Baroid Sales Division, National Lead Co., reported a small decrease in bentonite production from its Alzada pit in Carter County. Heavy clay products, including brick, sewer pipe, and draintile, were made from miscellaneous clay in several countries.

Brazil Creek Bentonite Co. announced plans to develop a bentonite deposit 15 miles west of Glasgow, Valley County.

Fluorspar. -- A substantial increase in production of fluorspar was reported by Cummings-Roberts (Darby, Ravalli County). This marked the fifth consecutive year of higher output. The company continued to market a high-grade fluorspar concentrate made at its heavy-media plant.

Gypsum. -- Tonnage and value of crude gypsum mined were slightly above the 1957 level. Production was from the Shoemaker mine (United States Gypsum Co.) and Hanover mine (Ideal Cement Co.), both in Fergus County. The local use pattern remained unchanged; plaster, wallboard, lath, and cement manufacturing utilized the bulk of the output. Only a small quantity was marketed for agricultural purposes.

Lime. -- Output of this commodity, which has increased each year since 1955, was about 15 percent higher than 1957. Limestone was calcined

to quicklime by The Anaconda Co. (Deer Lodge County), and Elliston Lime Co. (Powell County) produced both hydrated and quicklime.

Mica. -- Two operations contributed to a small production of mica. Work was done at the Thumper Lode (Gallatin County) and at a deposit 15 miles south of Ennis (Madison County). Output was shipped to the GSA stockpile at Custer, S. Dak.

Phosphate Rock. -- Phosphate rock production resumed an upward trend after experiencing a slight reversal in 1957. Montana Phosphate Products Co., Victor Chemical works, and J. R. Simplot Co. were the principal producers. The Anaconda Co. began operating its new \$1.5 million ammonium phosphate fertilizer plant at Anaconda (construction of this facility started in 1956).

Pyrites. -- There was an increase in the quantity and value of pyrites converted to sulfuric acid by The Anaconda Co. (Deer Lodge County) for use at its chemical-fertilizer plant and metallurgical works.

Sand and Gravel. -- Continued strong demand for sand and gravel resulted in increased production from 11.4 million tons (\$8.7 million) in 1957 to 11.5 million tons (\$9.0 million) in 1958. Heavy construction, including work at water-power projects and highway building and maintenance, contributed to the advance.

Late in the year progress on the Noxon Rapids Dam (Washington Water Power Co., Sanders County) reached about the three-quarter mark. About 500,000 cubic yards of concrete had been poured; this was equivalent to the quantity required for 130 miles of two-lane highway.

Stone. -- Production of stone did not reach the level attained in 1957 when an unprecedented quantity of stone was prepared for road construction and maintenance, but was substantially higher than at any time before that record-breaking year. Much of the 2.0 million tons (\$2.5 million) was used for heavy construction, including the Noxon Rapids Dam, and for the highway-building program.

Sulfur. -- Recovery of high-purity elemental sulfur by Montana Sulphur & Chemical Co. increased slightly. The plant at Billings, Yellowstone County, utilized residual gases from two nearby oil refineries.

Talc. -- There was a substantial increase in the quantity and value of talc mined during 1958. Tri-State Minerals Co. and Sierra Talc & Clay Co. continued as the principal producers. The preparation pattern of these companies remained unchanged: Tri-State ground talc at its Barratts mill and also at its Ogden (Utah) plant, and Sierra Talc & Clay shipped its output to Grand Island, Nebr. for grinding.

Vermiculite. -- Output of vermiculite was slightly less than 1957. Zonolite Co. continued to be the leading producer in the country and the only source of crude vermiculite in Montana. Articles on the Zonolite Co. operation were published in Industrial Horizons (June) and Western Mining (April).

MINERAL FUELS

Coal. -- The quantity of bituminous coal and lignite mined during 1958, according to preliminary data, was 54 percent less than the previous year. Musselshell and Rosebud continued to be the principal coal-producing counties.

Surface mining 20 miles southwest of Sidney, Richland County, begun in August by Knife River Coal Mining Co. of Bismarck, N. Dak., was expected to give a boost to the depressed coal-mining industry in the State. Output would be used at the Montana-Dakota Utilities Co. power plant at Sidney.

The char plant at Red Lodge, Carbon County, formerly operated by Koal Krudes, Inc., was leased for 1 year with an option to buy to Husky Oil Co., Cody, Wyo. The plant was designed to make char, creosote, and other byproducts from coal.

Petroleum and Natural Gas. -- Preliminary figures indicated recovery of crude oil advanced from 27.2 million barrels (\$73.5 million) in 1957 to 28.2 million barrels (\$76.1 million) in 1958.

Natural gas withdrawals also increased substantially. Output was 33.6 billion cubic feet (\$2.6 million) compared with 28.6 billion cubic feet (\$2.1 million) in 1957.

Oil and gas leasing activity in Montana began to extend westward across the Rocky Mountains. Drilling in western Teton County by Northern Natural Gas Producing Co. resulted in discovery of the Blackleaf Canyon field. This well was drilled in the so-called "disturbed belt" which extends northward into Alberta where the largest Canadian gas reserves were located. Sunshine Mining Co. contracted exploratory drilling in Park County near Cooke City.

Increased jet-fuel requirements and stronger demand for asphalt to meet needs of State and Federal highway construction caused Carter Oil Co. to expand its refinery facilities at Billings. The Texas Co. changed its plans for closing the small refinery at Sunburst, Toole County; however, operations were curtailed and about two-thirds of the employees were transferred to the company Anacortes (Wash.) refinery.

Increased production and proved reserves of crude oil in eastern Montana were the reasons capacity of the Butte pipeline was raised to 65,000

barrels per day. This was the second change in capacity since its completion in 1955.

This report summarizes mineral industry activity in Montana in 1958 and contains preliminary production data for the year as estimated from company monthly and quarterly production canvasses, smelter and Government purchase depot receipt reports, and information contained in industry publications. Final production totals for the State's mineral commodities will be published in mid 1959 after completion of canvasses of all mineral industry establishments.

A P P E N D I X

MONTANA COAL MINES ACTIVE IN 1957

BLAINE COUNTY:

Milk River Mine, G. S. Sargent, Box 886, Chinook, Montana

BIG HORN COUNTY:

Sarpy Mine, Roy & David Lilley, McRae, Montana
Spring Creek Mine, Henry Yelowizer, Decker, Montana

CARBON COUNTY:

Brophy Mine, No. 4, Brophy Coal Co., Box 548, Red Lodge, Montana
Burns Mine (Bear Creek Mine), Box 951, Red Lodge, Montana
Foster Mine, Bear Creek, Samuel Carpenter, Washoe, Montana
Roadside Mine, Frank & Leopold Janscovich, Bear Creek, Montana

CASCADE COUNTY:

East Belt Mine, East Belt Coal Company, Box 356, Belt, Montana
Lotham Mine, Andrew Jatsko, Stockett, Montana
Loveland Mine, Milligan Route, Great Falls, Montana
Surmi Mine, Wm. Surmi & Son Coal Co., Box 43, Sand Coulee, Montana

CUSTER COUNTY:

Moon Creek Mine, Henry Freze, Miles City, Montana
Storm King Mine, Mr. Fleming, c/o Mizpah Stage, Miles City, Montana

DAWSON COUNTY:

Albrecht Mine, Jacob Albrecht, Bloomfield, Montana
Clapp Mine, Fred, George, & Clyde Clapp, Jr., Box 93, Glendive, Montana
Hoiland Mine, Ivar Hoiland, Cracker Box Route, Glendive, Montana

FERGUS COUNTY:

Divide Mine, Cyril M. Tuss, 512 Evelyn Street, Lewistown, Montana
Swanson Mine, William Swanson, Gilt Edge Route, Lewistown, Montana

GARFIELD COUNTY:

Magnusson Mine, John Magnusson, Jordan, Montana

HILL COUNTY:

Rocky Boy Mine, Alfred Laursen, Box Elder, Montana

McCONE COUNTY:

No. 1 Coal Mine, Albert Vershott, Circle, Montana
Willowby Mine, Dayton Willowby, Vida, Montana

MUSSELSHELL COUNTY:

Berkeley Mine, Northern Coal Company, Box 1022, Roundup, Montana
Divide Mine, Victor & Jack Carlson, Roundup, Montana
Ganter Mine, Western Coal Co., 1002 First St. W., Klein, Montana
Gilroy Mine (Roundup), Gilroy Coal Co., Box 734, Billings, Montana
Johnnie's Coal Mine, Johnnie Koski, Roundup, Montana
Johnson Mine, C. H. Johnson, Roundup, Montana
Montana Queen Mine, J. J. Boyle, Roundup, Montana
Nies Mine, Fred W. & Gust F. Nies, 927 Main Street, Roundup, Montana
P M Mine, Paul Megal Coal Company, Box 495, Billings, Montana
Roundup No. 3 Mine, Roundup Mining Co., Box 98, Roundup, Montana

POWDER RIVER COUNTY:

Coal Creek Mine, Daniel H. Barthalomay, Coalwood, Montana
Cueffer Mine, John Cueffer, Sayle, Montana
Hanson Mine, Perry Hanson, Ashland, Montana
North Star Mine, Daniel H. Barthalomay, Coalwood, Montana
Superior Mine, Everett Riter & N. C. Wetherelt, Broadus, Montana
Toman Mine, J. Fred Toman, Bowers, Montana
Two Tree Mine, Antone W. Gali, Jr., Epsie, Montana
Wilson Mine, J. L. Wilson, Broadus, Montana

RICHLAND COUNTY:

Bemer Mine, Joe Bemer & Marvin Poland, Culbertson, Montana
Coal Bank Canyon Mine, James S. Kilen, Fairview, Montana
Jennison Mine, Jennison Coal Company, Culbertson, Montana
Pust Mine, Raymond Dotson, Lambert, Montana
Thiel Mine, Stanley & Charles Thiel, Box 209, Sidney, Montana

ROOSEVELT COUNTY:

La Hay Mine, D. H. Lemieux, Poplar, Montana

ROSEBUD COUNTY:

Coal Creek Mine, Joseph Boilage, Ashland, Montana
Gentry Mine, A. B. Gentry, Ashland, Montana
Hanich Mine, Anthony Hanich, Ashland, Montana
Knoblock Mine, Albert Knoblock, Birney, Montana
Miller Coulee Mine, A. W. Lonabaugh, Box 724, Sheridan, Wyoming
Rosebud Strip Pit, Foley Bros., 900 N. Y. Building, St. Paul, Minnesota
Schonenbach Mine, F. L. Schonenbach, Ashland, Montana
Soldier Gulch Mine, Lester Scott, Lame Deer, Montana

SHERIDAN COUNTY

Acme Mine, Box 377, Plentywood, Montana
Lagerguest Mine, Elwin C. Lagerguest, Westby, Montana
Wolfe Creek Mine, Medicine Lake Coal Co., Box 193, Plentywood, Montana

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

Carbon County, D-7

38. Clark Fork
39. Hellroaring
40. Silver Run

Cascade County, B-5

41. Nelhart (Montana)

Deer Lodge County, D-3

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

Fergus County, B-7

49. Cone Butte
50. North Moccasin (Kendall)
51. Warm Springs (Gilt Edge) (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 (Fool Hen) (Poorman)
97. Heddleston (Blackfoot) (Silver)
98. Helena (Last Chance) (Springhill) (Unionville) (Owyhee)
99. Lincoln (McClellan Gulch) (Seven-up Pete Gulch) (Keep Cool Creek) (Liverpool Creek) (Stonewall Mountain)
100. Marysville (Bald Butte) (Ottawa)
101. Missouri River
102. Ophir

103. Rimini (Vaughn) (Bear Gulch)
104. Scratchgravel Hills (Grass Valley)
105. Wolf Creek (Gladstone)
106. York

Lincoln County, A-1

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

Madison County, D-5

114. Bismark (Wilma)
115. Cherry Creek
116. McCarthy Mountain
117. Norris (Lower Hot Springs) (Upper Hot Springs)
118. Norwegian Creek
119. Pony (Mineral Hill)
120. Potosi
121. Renova (Bone Basin) (Mayflower)
122. Rochester (Rabbit)
123. Ruby Mountains
124. Sand Creek
125. Sheridan (Mill Creek) (Brandon) (Indian Creek) (Pamshorn)
126. Silver Star (Iron Rod)
127. South Boulder (Mammoth)
128. Tidal Wave (Twin Bridges)
129. Virginia City (Summit) (Pine Grove) (Highland) (Fairweather) (Nevada) (Junction) (Alder Gulch) (Brown's Gulch) (Granite Creek) (William's Gulch) (Barton Gulch)
130. Washington (Meadow Creek) (McAllister)

Meagher County, C-6

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

Mineral County, B-2

135. Cedar Creek (Quartz Creek) (Trout Creek)
136. Denemora (Big Elk) (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) (Sheepwater)
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. Revals 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. Fleece Mountain
186. German Gulch (Siberia)
187. Highland
188. Independence
189. Melrose (Camp Creek) (Soap Gulch)
190. Moose Creek

Stillwater County, D-7

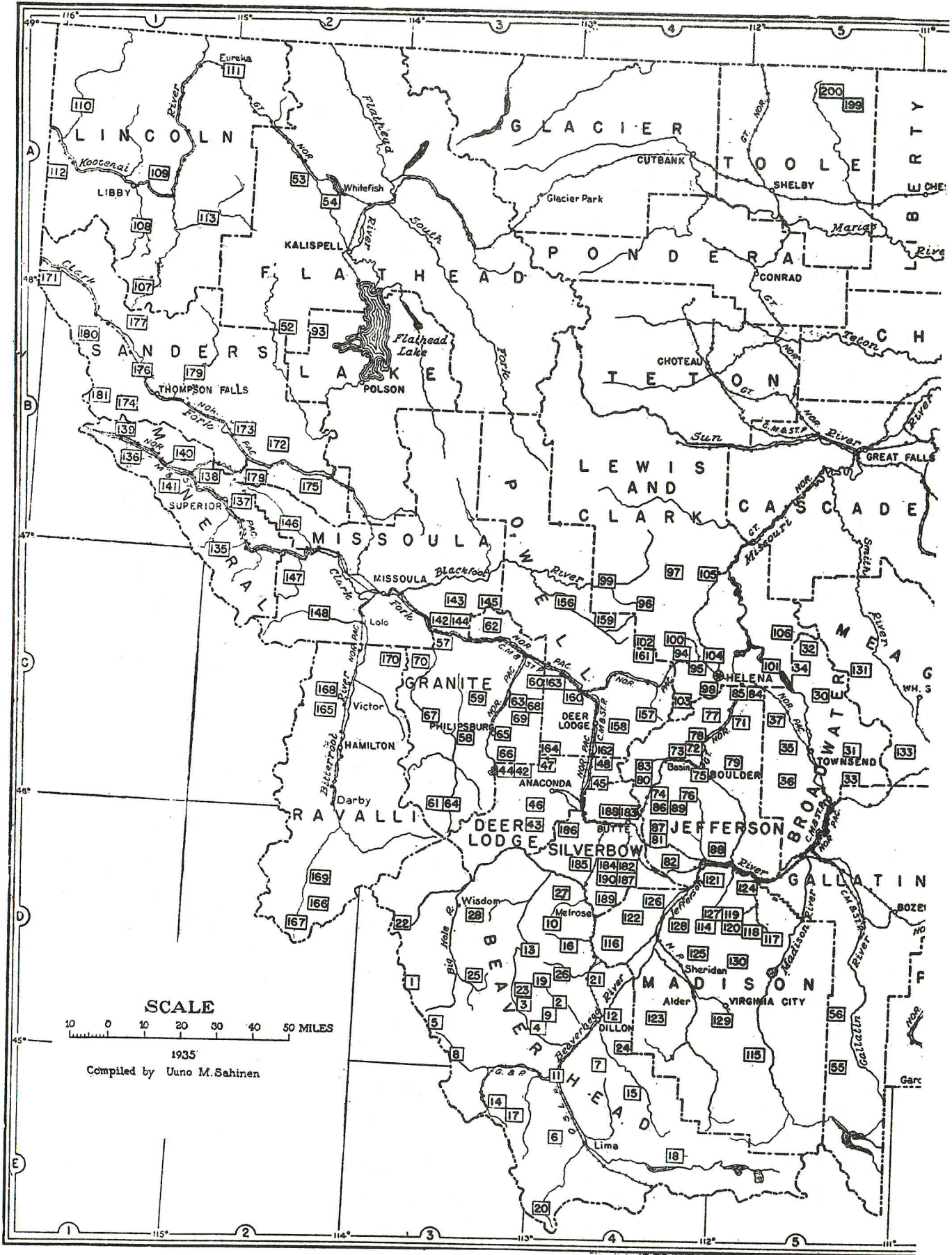
191. Nye
192. Stillwater
193. Yellowstone River

Sweet Grass County, D-6

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

Toole County, A-5

199. Gold Butte
200. West Butte



MAP SHOWING DISTRIBUTION OF