

PLEASE REPLACE IN POCKET
 IN BACK OF BOUND VOLUME



EXPLANATION

CONTACT
 Dashed where approximately located, short dashed where indefinite, gradational, or obscure

FAULT
 Showing dip: Dashed where approximately located, dotted where concealed, U, upthrown side, D, down-thrown side

VERTICAL FAULT APPROXIMATELY LOCATED
 Doubtful or probable fault
 Dotted where concealed

FAULT PROJECTED FROM UNDERGROUND WORKINGS
 Fault zone

ANTICLINE
 Showing crestline of fold and direction of plunge of axis. Dashed where approximately located

SYNCLINE
 Showing troughline of fold and direction of plunge of axis. Dashed where approximately located

STRIKE AND DIP OF BEDS
 Strike and dip of overturned beds
 Strike of vertical beds
 Horizontal beds
 Strike and dip of cleavage
 Strike of vertical cleavage

VEINS AT THE SURFACE
 Showing dip. Solid where exposed, broken where approximately located.
 A, veins known to contain base metals
 B, veins known to contain base metals

VEINS PROJECTED FROM UNDERGROUND WORKINGS
 Showing dip. Shown as if veins were continuous to surface, though not necessarily known to crop out.
 A, veins known to contain base metals
 B, veins known to contain base metals

UNDERGROUND VEINS, SHOWN ON MINE MAP AND SECTIONS
 Showing dip. Dashed where approximately located

PROSPECT PIT OR OBSCURE WORKING
 Portal of adit
 Adit, caved at portal
 Shaft
 Caved shaft

UNDERGROUND WORKINGS
 Showing altitude, in feet, of portal or level

Recent
 Alluvial deposits (Qal)
 Glacial and glaciofluvial deposits (Qog)
 Channel and terrace gravels Older than alluvial deposits (TKid)
 Lamprophyre dikes (TKid)
 Other dikes (TKid)
 Diabase and thortite dikes (TKid)
 Monzonite and associated rocks (Km)
 Striped Peak Formation (pCsd)
 Wallace Formation (pCw)
 St. Regis Formation (pCsg, pCsb)
 Revett Quartzite (pCb)
 Burke Formation (pCdu, pCdq)
 Prichard Formation (pCdu, pCdq)

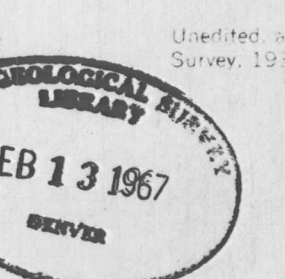
Recent
 Contact
 Fault
 Vertical fault approximately located
 Doubtful or probable fault
 Fault projected from underground workings
 Fault zone
 Anticline
 Syncline
 Strike and dip of beds
 Strike and dip of overturned beds
 Strike of vertical beds
 Horizontal beds
 Strike and dip of cleavage
 Strike of vertical cleavage
 Veins at the surface
 Veins projected from underground workings
 Underground veins, shown on mine map and sections
 Prospect pit or obscure working
 Portal of adit
 Adit, caved at portal
 Shaft
 Caved shaft
 Underground workings

CRETACEOUS
 Wallace Formation
 St. Regis Formation
 Revett Quartzite
 Burke Formation
 Prichard Formation

CRETACEOUS (TERTIARY) OR TERTIARY (QUATERNARY)
 Striped Peak Formation
 Wallace Formation
 St. Regis Formation
 Revett Quartzite
 Burke Formation
 Prichard Formation

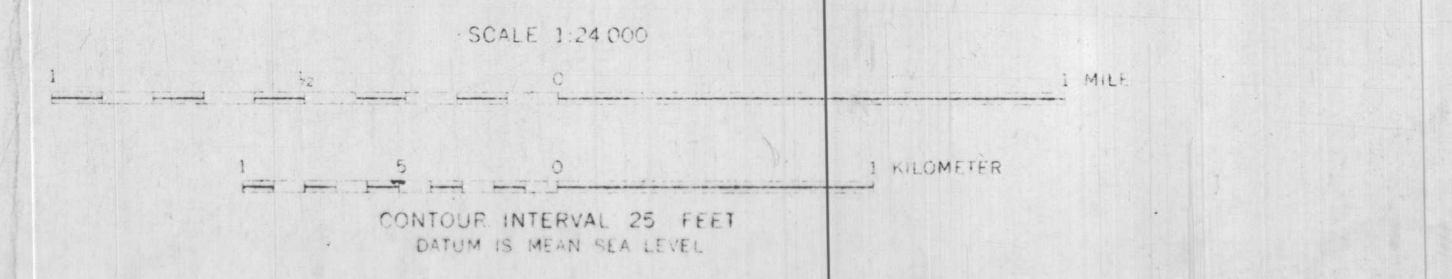
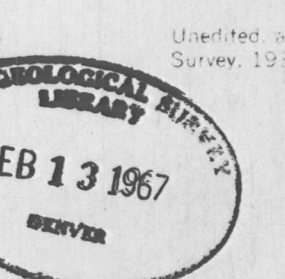
PRECAMBRIAN
 Revett Quartzite
 Burke Formation
 Prichard Formation

Geologic map from S. W. Hobbs, A. B. Griggs, R. E. Wallace, and A. B. Campbell, 1965, Geology of the Coeur d'Alene district, Shoshone County, Idaho: U.S. Geol. Survey Prof. Paper 478, pl. 4.



LIST OF MINES AND PROSPECTS IDENTIFIED ON MAP BY NUMBER

1	Carlisle	78	Trade Dollar
2	Red Monarch	79	Stanley
3	Blue Sky	80	Henton
4	Ammon No. 3	81	Curtis
5	Ammon No. 2	82	Marsh No. 2
6	Ammon No. 1	83	Marsh No. 1
7	Blue Gruse	84	East Hecla
8	Callahan No. 3	85	Russel
9	Callahan No. 2	86	Ajax No. 3
10	Parrot	87	Duluth
11	Nipise No. 4	88	Ratt
12	Nipise No. 3	89	Monarch
13	Nipise No. 2	90	McDonald
14	Nipise No. 1	91	Blackfoot No. 3
15	Interstate No. 4	92	Marsh No. 1
16	Little Sunset	93	California No. 4
17	Sunset Tunnel	94	Dayrock (main adit)
18	St. James No. 2	95	Dayrock 100 level
19	Sunrise	96	Option
20	C & R No. 3	97	Thomas Consolidated shaft
21	C & R No. 2	98	Parkside
22	Guelpi shaft	99	Silver Star
23	Ambergris	100	Northside
24	Hercules No. 2	101	West Bell
25	Laclede No. 3	102	Verda May
26	Laclede No. 2	103	Fornosa
27	Hercules No. 1	104	Gem No. 3
28	Hercules No. 2	105	Gem No. 2
29	Honolulu	106	Gem No. 1
30	Hercules No. 3	107	Betty Lou
31	Washington Mining Co. No. 2	108	West Star
32	Washington Mining Co. No. 1	109	West Star No. 2 west
33	Galena No. 2	110	Frisco No. 3
34	Nine Mile Mining Co. No. 1	111	Frisco No. 2
35	Nine Mile Mining Co. No. 2	112	Frisco No. 1
36	Mayflower No. 3	113	Black Bear No. 4
37	Mayflower No. 2	114	Silver Moon
38	Mayflower No. 1	115	Pym
39	Treasure Vault shaft	116	Black Bear Fraction
40	Treasure Vault adit	117	Black Bear No. 3
41	Alameda	118	Black Bear No. 2
42	American	119	Great Eastern
43	Success No. 3	120	Duluth
44	Success No. 2	121	Mitway Summit
45	Success No. 1	122	Cunningham
46	Rex No. 2	123	Sisters
47	Rex No. 1	124	Wander
48	Tamarack 400 level	125	Star 1200 level
49	Tamarack No. 5	126	We Like
50	Tamarack No. 4	127	Grouse
51	Tamarack No. 3	128	Morning No. 3
52	Tamarack No. 2	129	Morning No. 4
53	Tamarack No. 1	130	Morning No. 5
54	Moonlight	131	North Franklin
55	Tamarack No. 7 (1200)	132	Wall Street
56	Headlight	133	Yoo-like
57	Standard Mammoth No. 1	134	Fanny Green
58	Standard Mammoth No. 2	135	Sunshine Premier
59	Campbell adit (Standard Mammoth)	136	Independence
60	Standard Mammoth No. 3	137	American Commander No. 3
61	Oreano adit (Sherman 1000)	138	American Commander No. 2
62	Standard Mammoth No. 4	139	Grenada
63	Standard Mammoth No. 5	140	Glendora
64	Sherman 1000 level	141	Western Silver Lead
65	Omaha	142	Little Deal
66	Joe Matt	143	Mayflower
67	Sherman 100 level	144	United Lead Zinc
68	West Hecla	145	Aliso
69	Anchor	146	Rock Creek
70	Hecla Shaft	147	Blue Jay
71	Hummingbird No. 4	148	Gem State shaft
72	Wild West	149	Butcher
73	Hercules No. 5	150	Mullan Metals
74	Hidden Treasure adit	151	Moe
75	Tiger-Poorman shaft	152	Morning No. 6
76	Ajax No. 2	153	York
77	Hercules No. 4	154	Banner



GEOLOGIC MAP SHOWING SAMPLE LOCALITIES IN THE MULLAN AREA, COEUR D'ALENE DISTRICT, SHOSHONE COUNTY, IDAHO
 Localities 1-132, 182-208, 219-308, and 319-336