Base by Topographic Division, U. S. Geological Survey

Geology by P. K. Sims and E. W. Tooker, 1953

A. EUREKA GULCH AREA

500 0 1000 Feet

Contour interval 100 feet
Datum is mean sea level

Strike and dip of foliation and plunge of lineation

Strike and dip of foliation, showing horizontal lineation

Mine shaft
Numbers refer to list at right

Prospect pit

Portal of adit

Metalliferous vein, showing dip, (Tertiary)
Long dash where approximately located, short dash where inferred, dotted where concealed

Vertical vein

Secondary uranium minerals observed on dump

Pitchblende observed on dump

EXPLANATION

QUATERNARY

Qdal — Debris and alluvium

TERTIARY

Tb — Quartz bostonite
Dashed where inferred

Tmp — Monzonite porphyry
Dashed where inferred

PRE-CAMBRIAN

gp — Granite pegmatite

gng — Granite gneiss
Contains local conformable lenticular layers of amphibolite, biotite-quartz-plagioclase gneiss, and quartz-biotite schist

Idaho Springs formation:

gni — Interlayered biotite gneisses
Contains sparse to abundant granite pegmatite principally as thin conformable layers

lsgn — Lime-silicate gneiss
Includes some amphibolite and skarn

am — Amphibolite

gnc — Cordierite-anthophyllite-garnet gneiss

Contact
Long dash where approximately located, short dash where inferred

Anticline
Approximately located, showing trace of axial plane. Dotted where concealed. Based upon attitude of foliation

Plunge of minor fold axes

Generalized strike of warped foliation, showing plunge of warp axes

Strike and dip of foliation

Strike of vertical foliation

LIST OF PRINCIPAL SHAFTS AND ADITS

1 Monitor shaft
2 Spur Daisy shaft
3 Boodle shaft
4 Bon Ton shaft
5 Maggie M shaft
6 Carroll shaft
7 Claire Marie shaft
8 Two Sisters shaft
9 R. H. D. shaft
10 McKay shaft, R. H. D. claim
11 Harkaway shaft
12 Shaft, Harkaway claim
13 Tom Martin shaft
14 Shaft, Garden No. 2 claim
15 Adit, Garden claim
16 Adit, Prospector claim
17 Lake Superior shaft
18 Iowa shaft
19 Freiburg shaft
20 Minnesota shaft
21 Shaft, Oro claim
22 Adit, Oro claim
23 Prospect, Humbolt claim
24 Troublesome shaft
25 IXL shaft
26 Casto shaft
27 Review shaft
28 Winnebago shaft
29 Shaft, Thurman claim (?)
30 Shaft
31 Huddleston shaft (?)
32 Shaft, Bullion No. 2 claim
33 J. P. Whitney shaft
34 Adit, Rara Avis millsite
35 Prospect, Louis claim
36 Adit, Kohinoor No. 2 claim
37 Columbia Avenue shaft
38 Arlington shaft
39 Independence shaft
40 Ready Cash shaft
41 Roosevelt shaft
42 Essex shaft
43 Sierra Madre shaft
44 Gilpin-Eureka shaft
45 Discovery shaft, Eureka claim
46 Shaft, Spur vein
47 Shaft, Damon claim
48 Prospect, Carrie G claim
49 Gold Collar shaft (Hydrant vein)
50 Marine shaft
51 Concrete shaft
52 Fagan shaft
53 Grand Army shaft
54 Gunnell shaft
55 Wood shaft
56 Buckley shaft
57 Peru shaft
58 James Henry shaft
59 Adit, Mechanics claim
60 Shaft, Mount Lincoln claim
61 Shaft, Gunnell claim
62 Whiting shaft
63 St. Louis shaft
64 Prospect, Francis claim
65 Adit, Gulnare claim (?)
66 Shaft, Iowa claim
67 Shaft
68 St. Anthony shaft, Two Sisters claim

Topography by A. E. Dearth and R. H. Campbell

Geology by F. W. Osterwald, 1953

B. NORTH SLOPE OF NIGGER HILL

100 0 200 Feet

Contour interval 10 feet
Datum is approximate mean sea level

EXPLANATION

TERTIARY

Tb — Quartz bostonite

PRE-CAMBRIAN

gp — Granite pegmatite

gng — Granite gneiss
Includes lenticular layers of biotite-quartz-plagioclase gneiss, quartz-biotite schist, and amphibolite

gnc — Cordierite-anthophyllite-garnet gneiss

Contact
Long dash where approximately located, short dash where inferred

Fault, dashed where approximately located

Plunge of small fold axes

Plunge of chevron folds

Generalized strike of warped foliation, showing plunge of warp axes

Strike and dip of foliation

Strike and dip of primary fold layers

Bearing and plunge of lineation

Horizontal lineation

Strike and dip of joints

Strike and dip of joints and plunge of slickensides

Metalliferous vein, showing dip (Tertiary)
Dashed where inferred

Vertical shaft

Inclined shaft

Trench

Pit or caved workings at surface

Rock dump

Prospect pit

GEOLOGIC MAPS OF THE EUREKA GULCH AREA AND THE NORTH SLOPE OF NIGGER HILL, CENTRAL CITY DISTRICT, GILPIN COUNTY, COLORADO

344986 O - 1955 (In Pocket)