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P-123

STATE DEPT OF GEOLOGY & MINERAL INDUSTRIES
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GRANTS PASS, OREGON

Map of Oregon Bonanza Mine

Sec. 16, T. 38S., R. 5W.

Geology by Ray C. Treasher
Sept. 1940
Scale 1 inch = 200 ft.

0 100 200 300 400

- Meta-sediment
- Diorite dike
- Limestone
- Shear zone

N

To Humdinger Mine

Old Shaft

Diorite dike

Bonanza Portal Elev. 2100'

Elev. 2230'

Two bulldozer cuts

Lime Gulch Portal Elev. 1841'

Eclipse Portal Elev. 1948'

House

Elev. 1850'

Elev.

Powell Cr Projection
Tunnel Site Elev. 1810'

Powell Creek

Flume over ditch

Ditch

Downstream end wood flume

No outcrops of diorite but talus is about 30% diorite

Powell Creek

INCH
CM

Lime Gulch & Eclipse Levels

0 10 20 100

Footwall shear zone trends N 30°W, vertical

Diorite dike

Eclipse shear zone, hanging wall of diorite dike, trends N 30°W, vertical

Eclipse Tunnel Portal, elev. 1948'

Lime Gulch adit shear zone trends N. 65°E, dips 75° S.E.

Gate

Lime Gulch Portal, elev. 1841'

Bonanza Level
Scale 1 inch = 50 ft.

0 10 20 100 200ft

"Old Shaft" sunk on hanging wall of diorite dike. Another shaft was sunk on the footwall Elev. 2230'

Footwall vein trends N 45°W, dips 68° N.E. Winze is sunk on vein.

Strong N-S vertical shear zone,- the so-called "hanging wall vein"- Several narrow stopes at intersection of cross-shears. No displacement

Open shaft

Caved shaft

Caved shaft elev. 2250'

Footwall vein intersects elev. 1941' vertically beneath this point (?)

To Humdinger Mine

Open cuts elev. 2250'

Surface trend of "lime dike" (S. 67°W. dip 67°-72°) that strikes N. 57°E.

Bonanza Portal Elev. 2100'

2280
2100
2000
1900

Stoped
Stoped
50' level
Stoped
70' level
Stoped
132' level

"Lime Dike" dip 67°-72°

into lime but not thru it.

Cross-cut to hanging wall 40'

41-33-351

Oregon Bonanza