GEOLOGIC MAP OF THE BENCHLANDS AREA, PIONEER DISTRICT, MONTANA

R. 12 W. — 113° — R. 11 W. — R. 10 W.

T. 10 N. — T. 9 N. — T. 8 N.

46°30′

DRUMMOND QUADRANGLE

PHILIPSBURG QUADRANGLE

EXPLANATION

QUATERNARY

- Qal — Alluvium
- Qlm, Qlo — Late glacial drift. *Morainal deposits*, Qlm; *outwash deposits*, Qlo
- Ql — Landslide debris in Tertiary "lake beds"
- Qid — Intermediate glacial drift
- Qtg — Terrace gravel
- Qed — Early glacial drift

TERTIARY

- Tlb — "Lake beds"
- Tv — Volcanic rocks

CRETACEOUS

- K — Sandstone, shale, and conglomerate

- Terminal moraine, intermediate glacial stage
- Area mined by sluicing
- Area mined by dredging
- Contact, dashed where approximately located
- 20 — Strike and dip of beds

GOLDCREEK

Benetsee Butte

American Fort (abandoned)

Perryman Hill

Reservoir Hill

Pioneer

Jobs Point

Hill 5400 West

Hill 5400 East

Yam Hill (abandoned)

Windy Hill

Ballard Hill

BALLARD MINE

FROHRSTAND BIELENBERG MINE 1916 PIT

SQUAW GULCH PIT

KENEY AND IRVINE PIT

ORPHAN BOY MINE

Old dredge pits

Gold Creek Valley

Clark Fork

Mullan Road

Northern Pacific — Chicago, Milwaukee, St Paul and Pacific

44 kv Transmission Line

To Deer Lodge

Topography by J. T. Pardee

Geology by J. T. Pardee, 1916, 1927, 1935, and 1940

1 0 2 Miles

Contour interval 100 feet

Datum is approximate mean sea level

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