



EXPLANATION

.....
Outcrop of Permian rocks
Dotted where concealed or inferred

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Area underlain by Permian rocks

Boundary of Boulder batholith

x 1389
Locality of stratigraphic data
Where accompanied by sample lot number, stratigraphic sections and analyses are presented in text

- 1285 Luke mine
- 1286 Gravelly mine
- 1287 Anderson mine
- 1337 Anaconda quarry
- 1340 Moonlight mine
- 1340a Little Gold Creek
- 1384 Outcrop northwest of Wheatland School
- 1386 Dissett mine
- 1387 West limb of Douglas Mountain anticline near Gird Creek
- 1388 Douglas Creek No. 3 North mine
- 1389 Edgar mine
- 1397 Pipeline trench east of Elliston
- 1398 Newman Brothers trench west of Elliston
- 1399 East limb of Douglas Mountain anticline near Gird Creek
- 1400 Jack Pine mine
- 1401 Senecal incline
- 1402 Warm Springs Creek

- SOURCES USED IN
COMPILATION OF THIS MAP**
- Calkins and Emmons (1915)
 - Freeman, Ruppel, and Klepper (1958)
 - Gwinn (1961)
 - Klepper, Weeks, and Ruppel (1957)
 - McGill (1959)
 - Mahorney (1956)
 - Maxwell (1965)
 - Montgomery (1958)
 - Mutch (1961)
 - Mutch and McGill (1962)
 - Nickelson and Foti (1948)
 - Pardue (1917, 1936)
 - Poulter (1956)
 - Ross, Andrews, and Witkind (1955)
 - Smedes (1962)
 - Stone (1952)
 - Stone and Bonine (1914)
 - Wanek and Barclay (1966)
 - R. A. Weeks, M. R. Klepper, V. L. Freeman, and E. T. Ruppel (unpub. data)

MAP OF CENTRAL WESTERN MONTANA PHOSPHATE FIELD SHOWING SAMPLE LOCALITIES AND AREAS UNDERLAIN BY PERMIAN ROCKS

