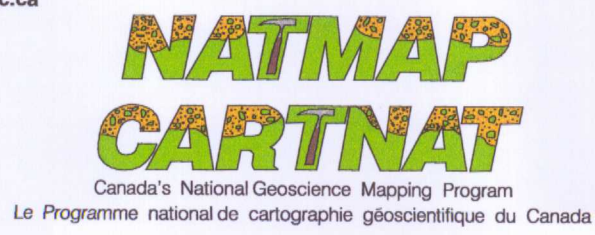


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GEOLOGY BEAVER MINES EAST HALF ALBERTA

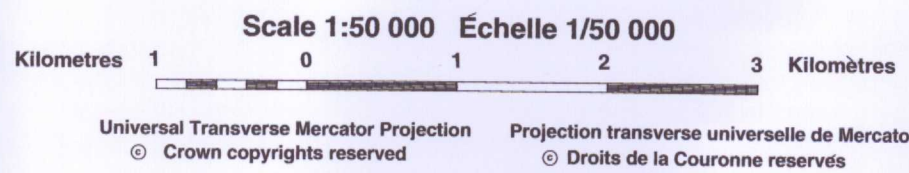


Table with 3 columns: Cross-street, MAP, and GSC. Rows include Beaver Mines, Flathead Ridge, and Inverted Ridge, with corresponding map and GSC identifiers.

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

STRATIGRAPHY

- QUATERNARY: Pleistocene and Recent (Qr) Rock slide. MESOZOIC: Upper Cretaceous (Maastriichtian) - ST. MARY RIVER FORMATION, BLOOD RESERVE FORMATION, BEARPAW FORMATION, BILLY RIVER GROUP, LINDRECK FORMATION, CONNELL CREEK FORMATION. Campanian - DRYWOOD CREEK FORMATION, LINDRECK FORMATION, CONNELL CREEK FORMATION. Santonian - MILK RIVER GROUP, VIRGELLE FORMATION. Turonian to Santonian - WAPIABI FORMATION, CARDIUM FORMATION, BLACKSTONE FORMATION, CROWSNEST FORMATION, BLAIRMORE GROUP, MILL CREEK FORMATION, BEAVER MINES FORMATION, GLADSTONE FORMATION, DALHOUSIE FORMATION. Jurassic to Cretaceous - KOOTENAY GROUP, MIST MOUNTAIN FORMATION. Devonian: Upper Devonian - FAIRHOLME GROUP, SOUTHERS FORMATION, MOUNT HAWK FORMATION, BORSATO FORMATION, HOLLEBEKE FORMATION. Cambrian: Middle Cambrian - WINDSOR MOUNTAIN FORMATION, ELZO FORMATION, GORDON FORMATION, FLATHEAD FORMATION. Helikian (Middle Proterozoic) - PURCELL SUPERGROUP, ROOSEVILLE FORMATION, PHILLIPS FORMATION, GATEWAY FORMATION, SHEPARD FORMATION, PURCELL LAVA, SIYEH FORMATION, GRIMMEL FORMATION, APPEKUNNY FORMATION. Proterozoic: Helikian (Middle Proterozoic) - PURCELL SUPERGROUP, ROOSEVILLE FORMATION, PHILLIPS FORMATION, GATEWAY FORMATION, SHEPARD FORMATION, PURCELL LAVA, SIYEH FORMATION, GRIMMEL FORMATION, APPEKUNNY FORMATION.

LEGEND

- MAP SYMBOLS: Outcrop (small, large, scattered), Geological boundary (defined, approximate, assumed), LOCAL STRUCTURES: PLANAR STRUCTURES - Bedding, tops known, Cleavage, Minor fault. FOLD AXIAL PLANE (vertical), Joint (inclined, vertical). LINEAR STRUCTURES: Intersection lineation, Fold axis, Paleocurrent direction. REGIONAL STRUCTURES: Fault, Thrust fault, Backthrust. OTHERS: Abandoned mine, Well (gas, oil, abandoned), Fossil locality.

Geology by D. Label, 1995, 1996, 1998, and S. Hebert, 1990, 1991; from field work and study of aerial photographs... Hiebert (1992), Jackson and Label (1997), Norris (1969) and Price (1964). Acknowledgments to D.A. Spratt, G.S. Stockmal, A.S. Sweet, M. Madsen, T. Jerzykiewicz and Shell Canada for helpful data and discussions. This is a contribution to the Southeastern Cordillera NATMAP project.

Geological cartography by D. Label and S.J. Hinds. Any revisions or additional geological information from the user would be welcomed by the Geological Survey of Canada. Base map at the same scale published Surveys and Mapping Branch in 1977. Copies of the topographical edition of this map area may be obtained from the Canada Map Office, Department of Natural Resources, Ottawa, Ontario.

CONTOUR INTERVAL 100 FEET. Elevation in Feet above Mean Sea Level. North American Datum 1983. Transverse Mercator Projection.

NOTES: Base map and geology have been transformed from NAD 27 (North American Datum 1927) to NAD 83.

SCHEDULE OF WELLS

Table with columns: Well No., Well Name, Full Name, Well Date, Surface Location. Lists various wells including Weymarn No. 1, Weymarn No. 2, Imperial A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

Recommended citation: Label, D., Hebert, S. N. 2001. Beaver Mines (82G/8 - East Half), Alberta-Geology (preliminary); Geological Survey of Canada, Open File map 4024, scale 1:50 000.



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