

STRATIGRAPHIC SECTIONS

Table with 2 columns: Unit (TM, PW, GM, C) and Description. Unit TM: Light grey brown clay-silt diamictite. Unit PW: Clayey to silty clay diamictite. Unit GM: Strongly cemented, normally graded, coarse boulders to cobble gravel.

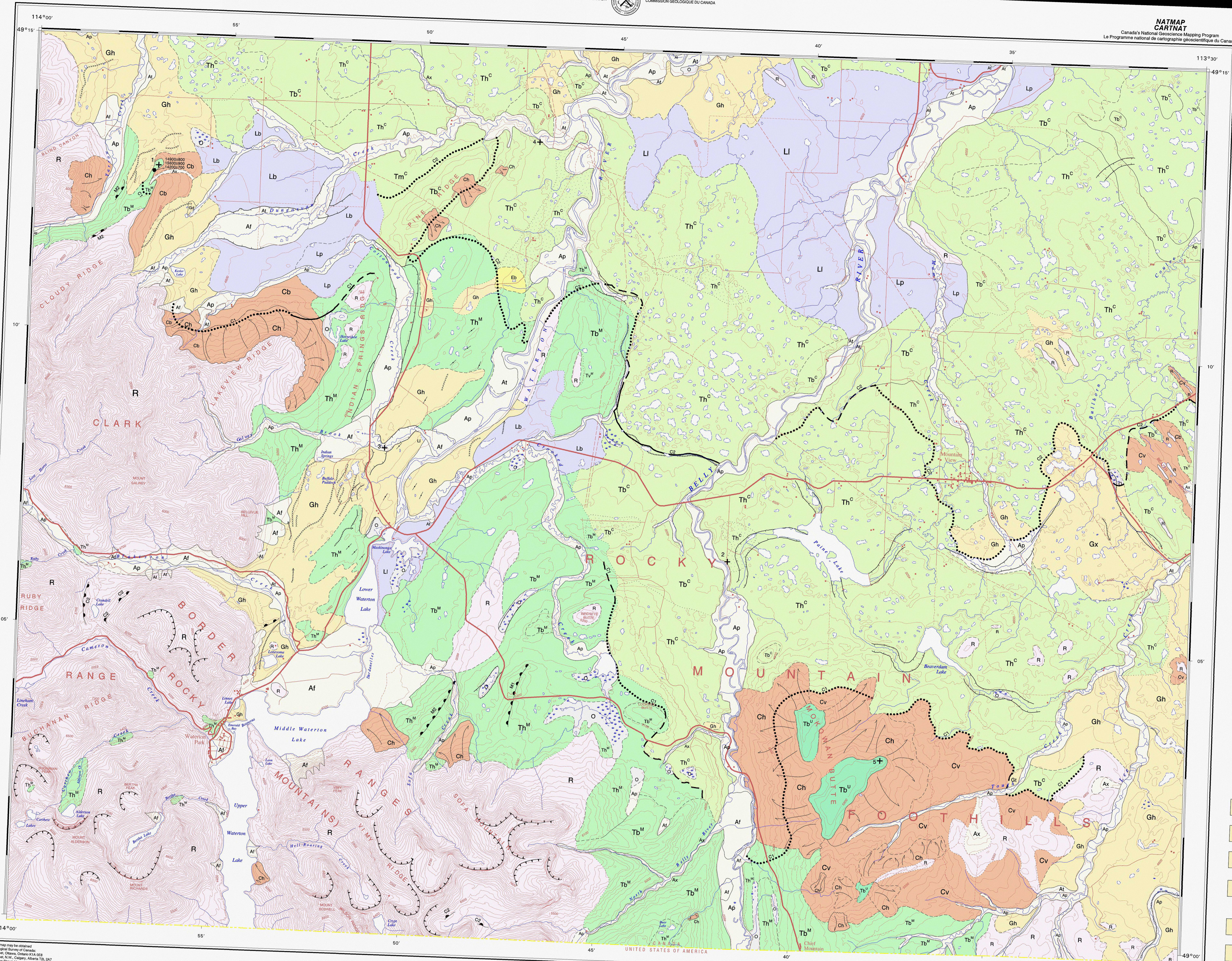
Table with 2 columns: Unit (PW, C) and Description. Unit PW: Diamictite 5. Calcrete (fossil Bm horizon) developed in a stony diamictite. Unit C: Covered by colluvium.

Table with 2 columns: Unit (TC, L, C, GM, C) and Description. Unit TC: Medium to dark brown silt developed in winch-bored silt (loess). Unit L: Interbedded clay, silt, and diamictite. Unit GM: Poorly sorted sand and gravel.

Table with 2 columns: Unit (PW, C) and Description. Unit PW: Diamictite 2. Calcrete (fossil Bm horizon) developed in a stony diamictite. Unit C: Covered by colluvium.

REFERENCES: Bibliography listing works by Barabeg, R.W.; Hogg, E.; and Kirkwood, E.T. (1995); and others.

SUBSURFACE UNITS: Legend for units O, A, L, E, A, L, GM, TM, PW, R. Unit O: Past. Unit A: Alluvial sand and gravel. Unit L: Lacustrine sand, silt, and clay.



LEGEND: Symbols for Quaternary units (m, i, o, Eb, Cb, Cv, Ca, Ch, Cx, Ap, At, Af, Ax, Lv, Lb, Li, Lp, Lh, Gp, Gt, Gd, Gh, Gx, Qv) and symbols for geological boundaries and features.

QUATERNARY - Post-Era-train Glaciation: Descriptions for units m (MADE LAND), i (EXISTING GLACIERS, ICE), o (ORGANIC SEDIMENTS), Eb (Eolian sand), Cb (Colluvial blanket), Cv (Colluvial apron), Ca (Colluvial apron), Ch (Landslide), Cx (Unroofed colluvial), Ap (Alluvial terrace), At (Alluvial fan), Af (Alluvial fan), Ax (Alluvial complex), Lv (Lacustrine), Lb (Glaciolacustrine), Li (Glaciolacustrine), Lp (Rolling glaciolacustrine), Lh (Ice-contact glaciolacustrine).

WISCONSIN - Era-train Glaciation: Descriptions for units M1, M2, C1, C2, Lb, Lh, Gp, Gt, Gd, Gh, Gx, Qv. Unit M1: Maximum ice limit of Late Wisconsinan glacial ice. Unit M2: Ice limit of first major readvance of Wisconsinan glacial ice.

GLACIOFLUVIAL SEDIMENTS: Descriptions for units Gp, Gt, Gd, Gh, Gx, Qv. Unit Gp: Glaciolacustrine plain and fan sediments. Unit Gt: Terraced glaciolacustrine sediments. Unit Gd: Glaciolacustrine delta sediments. Unit Gh: Glaciolacustrine ice stagnation complex sediments. Unit Gx: Unroofed glaciolacustrine and ground moraine sediments. Unit Qv: Glaciolacustrine veneer sediments.

GLACIOFLUVIAL VEENERS: Descriptions for units Lv, Lb, Li, Lp, Lh, Gp, Gt, Gd, Gh, Gx, Qv. Unit Lv: Lacustrine. Unit Lb: Glaciolacustrine blanket sediments. Unit Li: Glaciolacustrine plain sediments. Unit Lp: Rolling glaciolacustrine plain sediments. Unit Lh: Ice-contact glaciolacustrine complex sediments.

GLACIOFLUVIAL VEENERS (continued): Descriptions for units Lv, Lb, Li, Lp, Lh, Gp, Gt, Gd, Gh, Gx, Qv. Unit Lv: Lacustrine. Unit Lb: Glaciolacustrine blanket sediments. Unit Li: Glaciolacustrine plain sediments. Unit Lp: Rolling glaciolacustrine plain sediments. Unit Lh: Ice-contact glaciolacustrine complex sediments.

MAP 1935A SURFICIAL GEOLOGY WATERTON LAKES ALBERTA

Geology by E.C. Lutz, 1994. Co-authored by D. LeBlond through the assistance of the Southeastern Alberta NATMAP Project. Digital cartography by K. Shimmura, Terrain Geomatics Division and E. Ewert, Geoscience Information Division.

Table with 3 columns: UTM Easting, UTM Northing, and Elevation (feet above mean sea level). Includes a scale bar and magnetic declination information.

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