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GEOLOGICAL SURVEY OF CANADA — COMMISSION GÉOLOGIQUE DU CANADA

GEOLOGY OF CAMPBELL RANGE NEAR WOLVERINE LAKE, SOUTHEASTERN YUKON

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Reference:
Field report to accompany map.
Plint, H.E. and Gordon, T.M. 1996. Structural evolution and rock types of the Slide Mountain and Yukon–Tanana terranes in the Campbell Range, southeastern Yukon Territory. In Current Research 1996–A; Geological Survey of Canada; p. 19–28.

SYMBOLS

- bedding, inclined, vertical
- foliation, inclined, vertical
- foliation, inclined second phase
- rodding lineation
- crenulation lineation
- mesoscopic fold, no vergence implied
- joint, inclined, vertical
- thrust fault, defined (symbol on hanging wall)
- thrust fault, inferred (symbol on hanging wall)
- normal fault, inferred (symbol on down–dropped side)
- fault, inferred, kinematics unknown
- geologic contact, defined or approximate, assumed or extrapolated
- reaction isograd, approximate, extrapolated pmp + chl +qtz = act + ep + water (symbol on high–grade side)
- sub–map scale bodies of serpentinite
- Fetish — Cu, Pb, Zn (+/– Ag, Au) prospect or showing
- 1400 — elevation contour; interval 100m
- drainage

Geology by Heather Plint, 1994, 1995, University of Calgary

LEGEND

PRE–DEVONIAN–UPPER TRIASSIC? YUKON–TANANA TERRANE

- DT_c — Grey, white, black, laminated metachert and black argillaceous and siliceous metasiltstone; structurally interleaved with hornblende–feldspar porphyry, muscovite–chlorite–quartz metavolcanic phyllite (some with quartz eyes), serpentinite and grey metacarbonate.
- DT_p — Chlorite–actinolite metavolcanic phyllite, interfoliated with muscovite phyllite, grey or black argillite and slate, white quartzite with or without argillaceous partings, and minor white, tan or grey metachert.
- DT_a — Rusty brown or grey weathering, grey or greyish brown argillite (some phyllitic) and metasiltstone.

DEVONIAN–PERMIAN SLIDE MOUNTAIN TERRANE

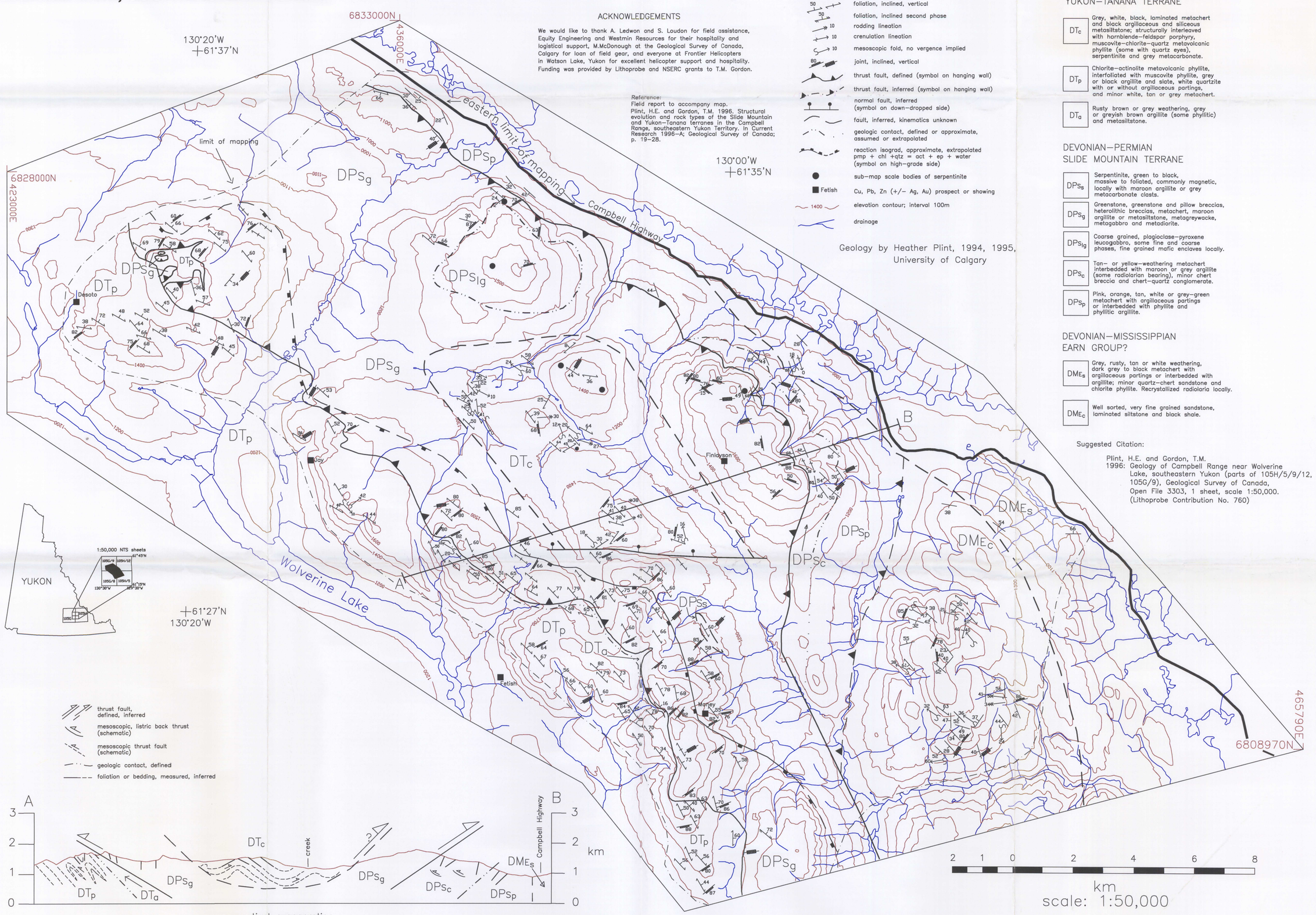
- DPS_s — Serpentinite, green to black, massive to foliated, commonly magnetic, locally with maroon argillite or grey metacarbonate clasts.
- DPS_g — Greenstone, greenstone and pillow breccias, heterolithic breccias, metachert, maroon argillite or metasiltstone, metagreywacke, metagabbro and metadiorite.
- DPS_{lg} — Coarse grained, plagioclase–pyroxene leucogabbro, some fine and coarse phases, fine grained mafic enclaves locally.
- DPS_c — Tan– or yellow–weathering metachert interbedded with maroon or grey argillite (some radiolarian bearing), minor chert breccia and chert–quartz conglomerate.
- DPS_p — Pink, orange, tan, white or grey–green metachert with argillaceous partings or interbedded with phyllite and phyllitic argillite.

DEVONIAN–MISSISSIPPIAN EARN GROUP?

- DME_s — Grey, rusty, tan or white weathering, dark grey to black metachert with argillaceous partings or interbedded with argillite; minor quartz–chert sandstone and chlorite phyllite. Recrystallized radiolaria locally.
- DME_c — Well sorted, very fine grained sandstone, laminated siltstone and black shale.

Suggested Citation:

Plint, H.E. and Gordon, T.M.
1996: Geology of Campbell Range near Wolverine Lake, southeastern Yukon (parts of 105H/5/9/12, 105G/9), Geological Survey of Canada, Open File 3303, 1 sheet, scale 1:50,000. (Lithoprobe Contribution No. 760)



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