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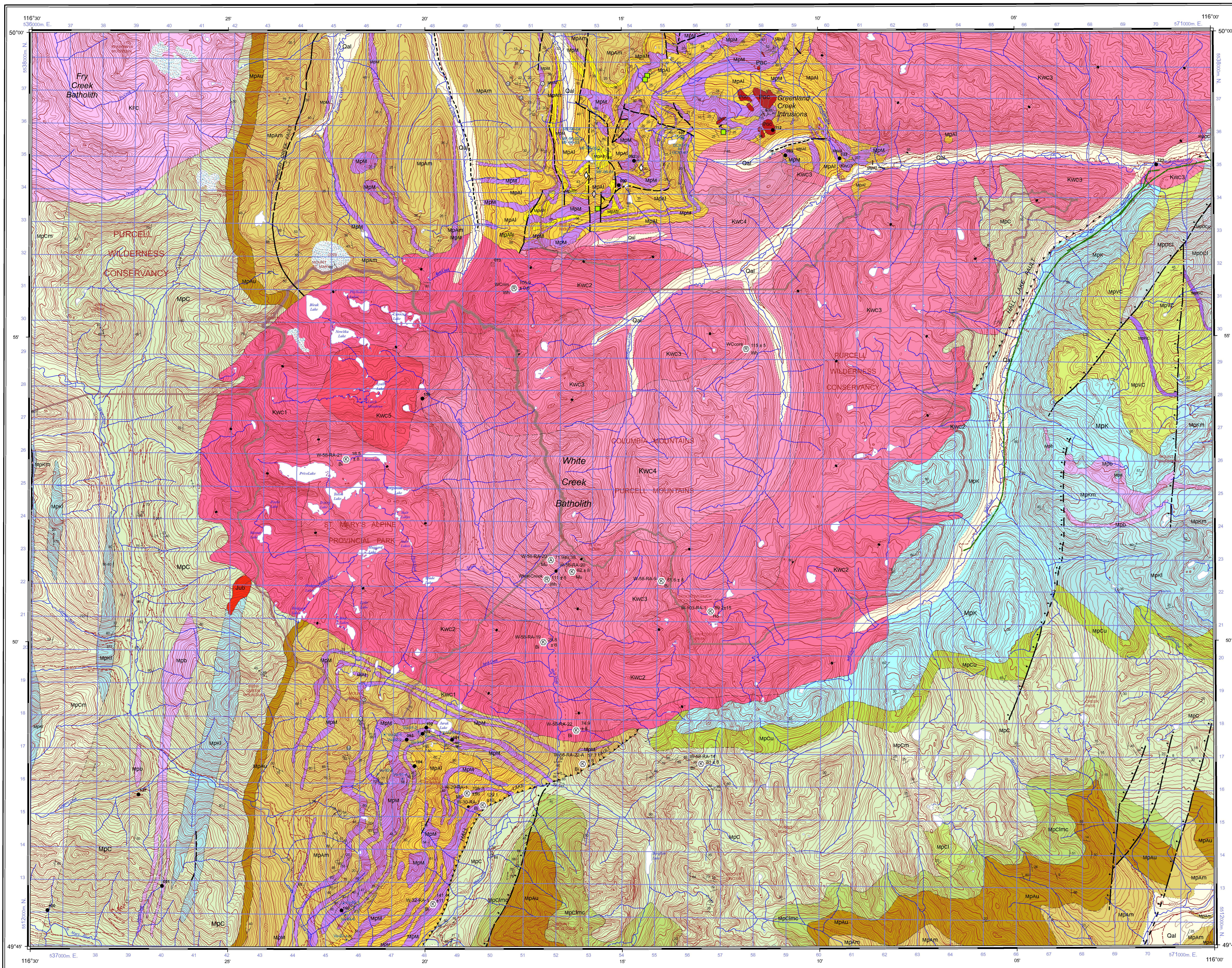
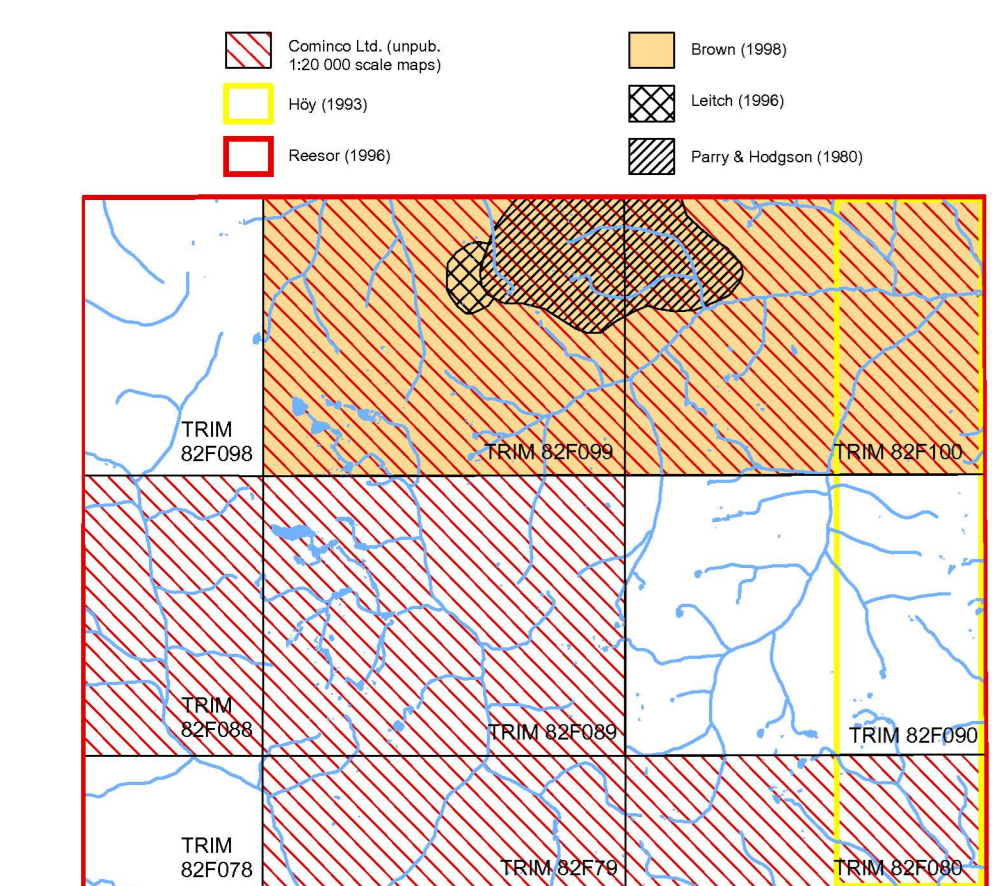
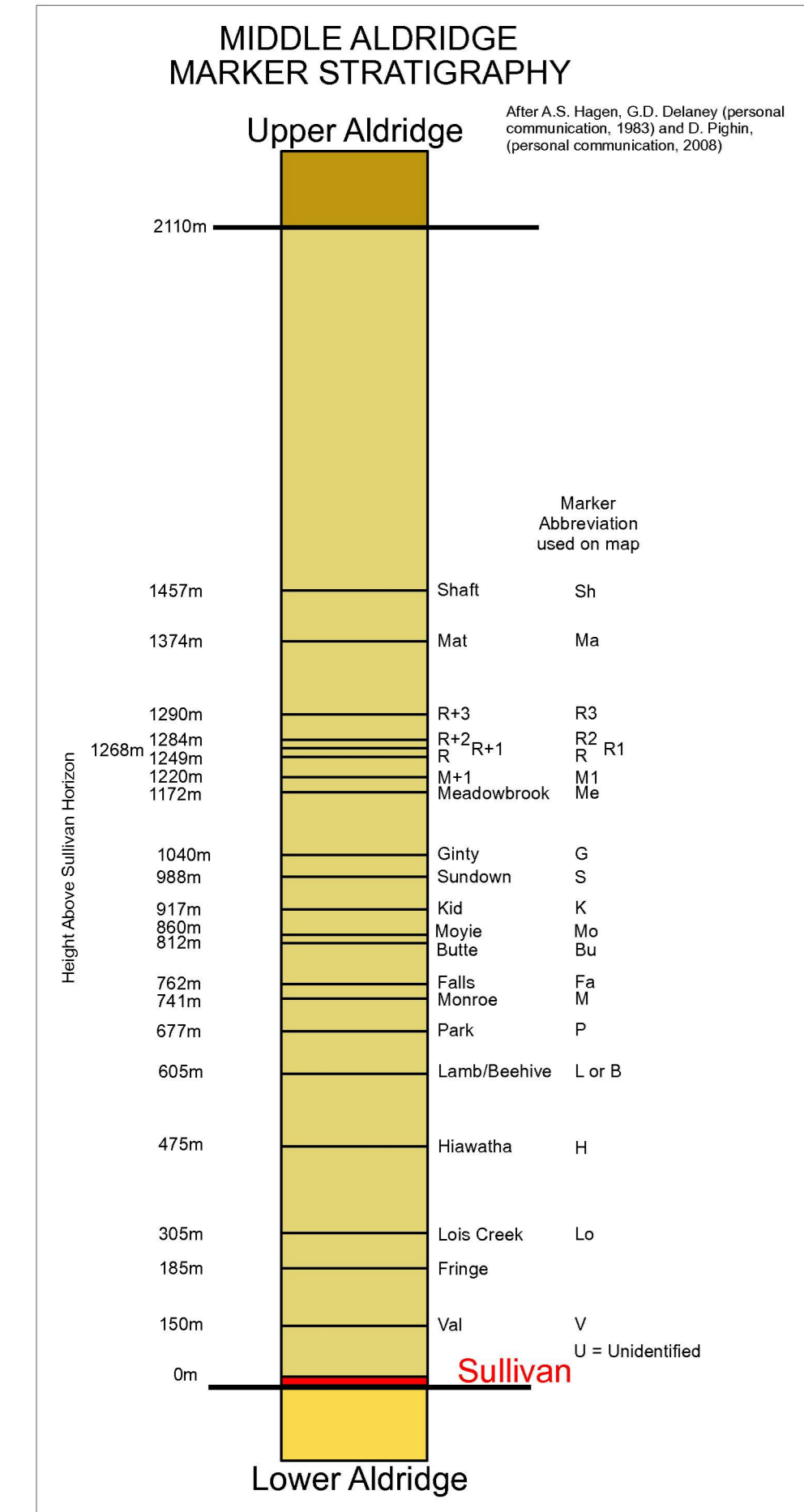
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LAYERED ROCKS

Coloured legend blocks indicate map units that appear on this map.

CENOZOIC

QUATERNARY

- Qal Unconsolidated outwash, alluvium, colluvium and fill.

PROTEROZOIC

MESOPROTEROZOIC (HELIKIAN)

PURCELL SUPERGROUP

DUTCH CREEK FORMATION

- MpDC Unidentified
- MpDCU UPPER: interbedded grey siltite and black argillite, thin to thick bedded on carbonate marker.
- MpDCI LOWER: thinly interbedded black argillite and grey siltite.

NICOL CREEK FORMATION

- MpNC Massive to amygdaloidal basalt to andesite lava flows, volcanic sandstone, siltite.

VAN CREEK FORMATION

- MpVC Pale green, laminated, siltite and argillaceous siltite and quartz wacke. Minor ripple marks, lenticular bedding, rare flattened mudcracks.

KITCHENER FORMATION

- MpK Unidentified
- MpKcm MIDDLE: commonly half-weathered dolomitic siltstone, dolomitic argillite, and dolomitic argillite, siltstone, quartzite; green tinged dolomitic siltstone near base.
- MpKl LOWER: green and beige siltstone, dark grey argillite, dolomitic siltstone.

CRESTON FORMATION

- MpC Unidentified
- MpCu UPPER: green siltstone, black or purple argillite and siltstone.
- MpCm MIDDLE: light grey, massive, purple, fine to medium-bedded quartz arenite, quartz wacke, lesser grey siltite and argillite. White quartzite interbeds. Lenticular bedding, ripples, cross-bedding and mudcracks.
- MpCl LOWER: waxy green to olive with tan weathering surfaces, thin to thick-bedded to laminated argillite and siltite; lesser fine grained quartz wacke; wavy bedding and abundant mudcracks.
- MpClm Mud-cracked member.

ALDRIDGE FORMATION

- MpA Unidentified
- MpAtr Fragmental rocks interpreted as sedimentary debris flows, breccias formed in oversteeped pathways, mud volcano debris, and hydrothermal breccias; siltstone and discordant, matrix- and framework-supported fragmental rocks consisting of angular to rounded quartzite clasts having a size range of 0.05 to 2 cm.
- MpAur UPPER: rusty brown weathering, grey to dark grey, fissile to platy, laminated siltite, siltite.
- MpAml MIDDLE: grey to rusty weathering, thick- to thin-bedded, quartzofeldspathic wacke, intercalated argillite and siltite.
- MpAl LOWER: rusty brown weathering, thin- to medium-bedded, quartz wacke, quartz arenite.

INTRUSIVE ROCKS

MESOZOIC

CRETACEOUS

- KFC BAYANNE PLUTONIC SUITE (KWC1 to KFC)
- KWC FRY CREEK BATHOLITH: Leucomonzogranite; biotite monzogranite; biotite-muscovite monzogranite in west-southwest exposures.
- WHITE CREEK BATHOLITH
- KWC5 Biotite monzogranite.
- KWC4 Biotite-muscovite leucomonzogranite.
- KWC3 Biotite monzogranite with megacrysts of potassium feldspar; apfite and pagmatite.
- KWC2 Hornblende granodiorite.
- KWC1 Biotite-epidote granodiorite.

JURASSIC

- Jub Ultramafic rocks, serpenitized peridotite.

PROTEROZOIC

- Eric GREENLAND CREEK INTRUSIONS: Granitoid pagmatite, coarse-grained tourmaline-rich pagmatite. Probably equivalent to Hellowing Creek Stock.

MESOPROTEROZOIC (HELIKIAN)

- Mpb Mafic sills and rare dikes hosted in Kitchener Formation. Olive green, massive to plagioclase porphyritic.
- MOYIE INTRUSIONS
- "Moyie Sills": Dark green to black, medium- to fine-grained gabbro and hornblende quartz diorite sills and minor dikes. Zone U-Pb dates circa 1487 Ma (Frederick and Davis, 1995).
- MpM

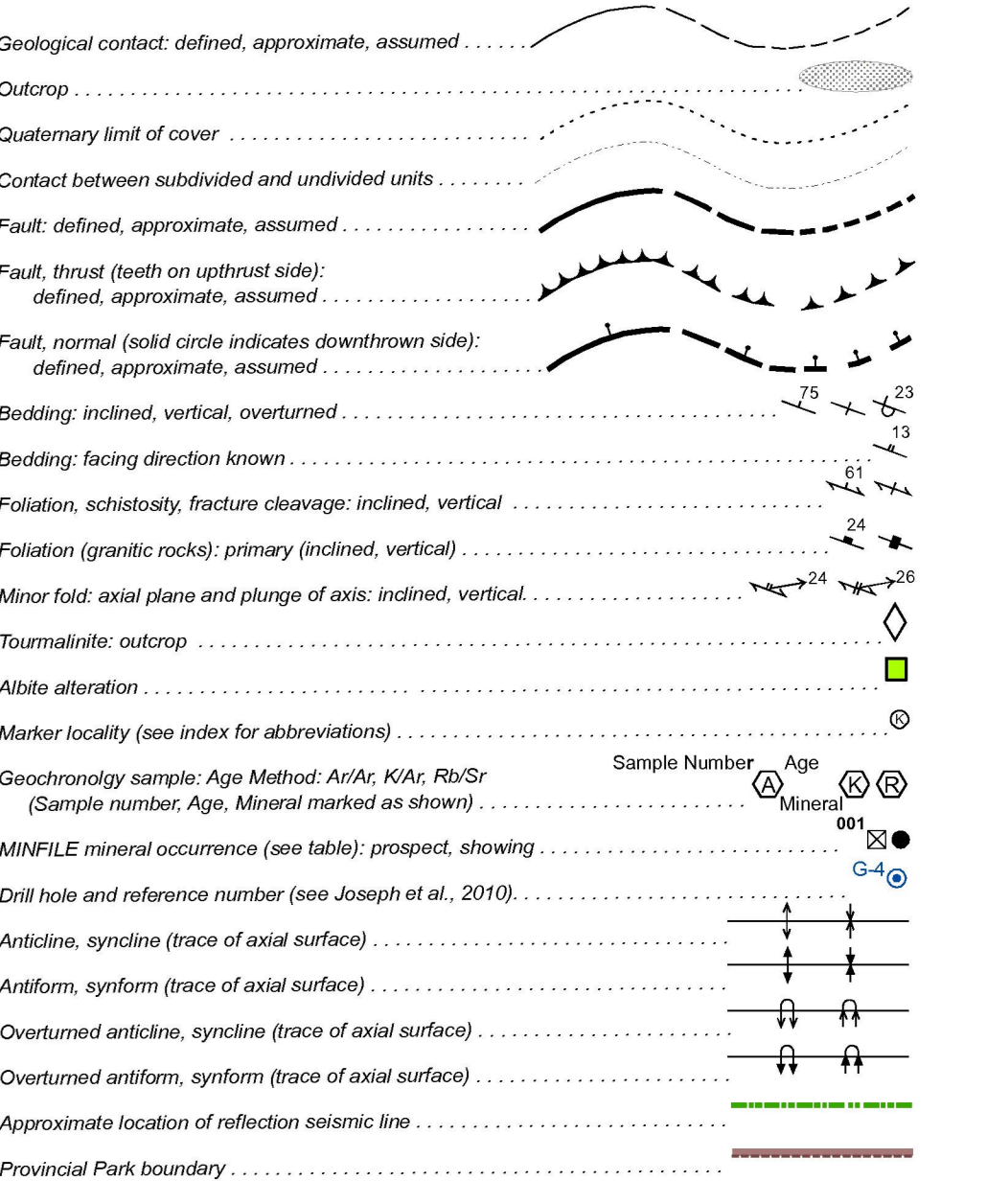


TABLE OF MINFILE OCCURRENCES

MINFILE NO	NAME	STATUS	COMMODITIES
02FNE01	GREAT DANE (L289)	Showing	Pb, Cu, Zn
02FNE02	MOLLY	Prospect	WO, MO
02FNE03	PROD	Showing	WO, CU
02FNE04	VAL	Showing	WO, SN
02FNE05	FRWACO	Showing	WO, SN
02FNE06	VULCAN	Showing	Pb, Cu
02FNE10	BRACEBIDGE	Showing	CU
02FNE11	HILD 2	Showing	Pb, Cu
02FNE12	HILD 4	Showing	WO, Cu, BIF, Zn
02FNE13	HILD 3	Showing	Pb
02FNE14	HILD 10	Showing	Zn, WO, Cu
02FNE17	GREENLAND CREEK	Prospect	Pb, Zn, Ag, Au
02FNE18	GREENLAND CREEK WEST	Showing	Mo, BIF
02FNE123	BURNT	Showing	WO
02FNE128	HOT SPRING	Showing	HS
02FNE137	SILVANT	Showing	CU
02FNE189	WHITE CREEK	Showing	BY
02FNE190	VULCAN 5	Showing	Zn, Pb



OPEN FILE 6305
GEOLOGY
DEWAR CREEK
BRITISH COLUMBIA

Scale 1:50 000/Echelle 1/50 000

Compliers: D.A. Brown, R.F. MacLeod, and C.L. Wagner

Geological compilation by D.A. Brown and R.F. MacLeod, 2008-2010, and C.L. Wagner, 2009-2010

Co-ordinated through the auspices of the Targeted Geoscience Initiative (TGI)

Digital cartography by R.F. MacLeod and C.L. Wagner, Geological Survey of Canada (Pacific Division)

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base map from data compiled by Geomatics Canada, modified by Geological Survey of Canada

Magnetic declination 2011, 15°47'E, decreasing 12' annually

Elevations in feet above mean sea level

Contour interval 100 feet

Universal Transverse Mercator Projection
North American Datum 1983
© Her Majesty the Queen in Right of Canada 2011

Projection transversale universelle de Mercator
Système de référence géochronique nord-américain, 1983
© Sa Majesté la Reine en chef du Canada 2011

Map grid showing coordinates: 8202, 8201, 8204, 8215, 8216, 8213, 8206, 8205, 8201, 8210, 8209, 8202

OPEN FILE DOSSIER PUBLIC 6305

2011

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