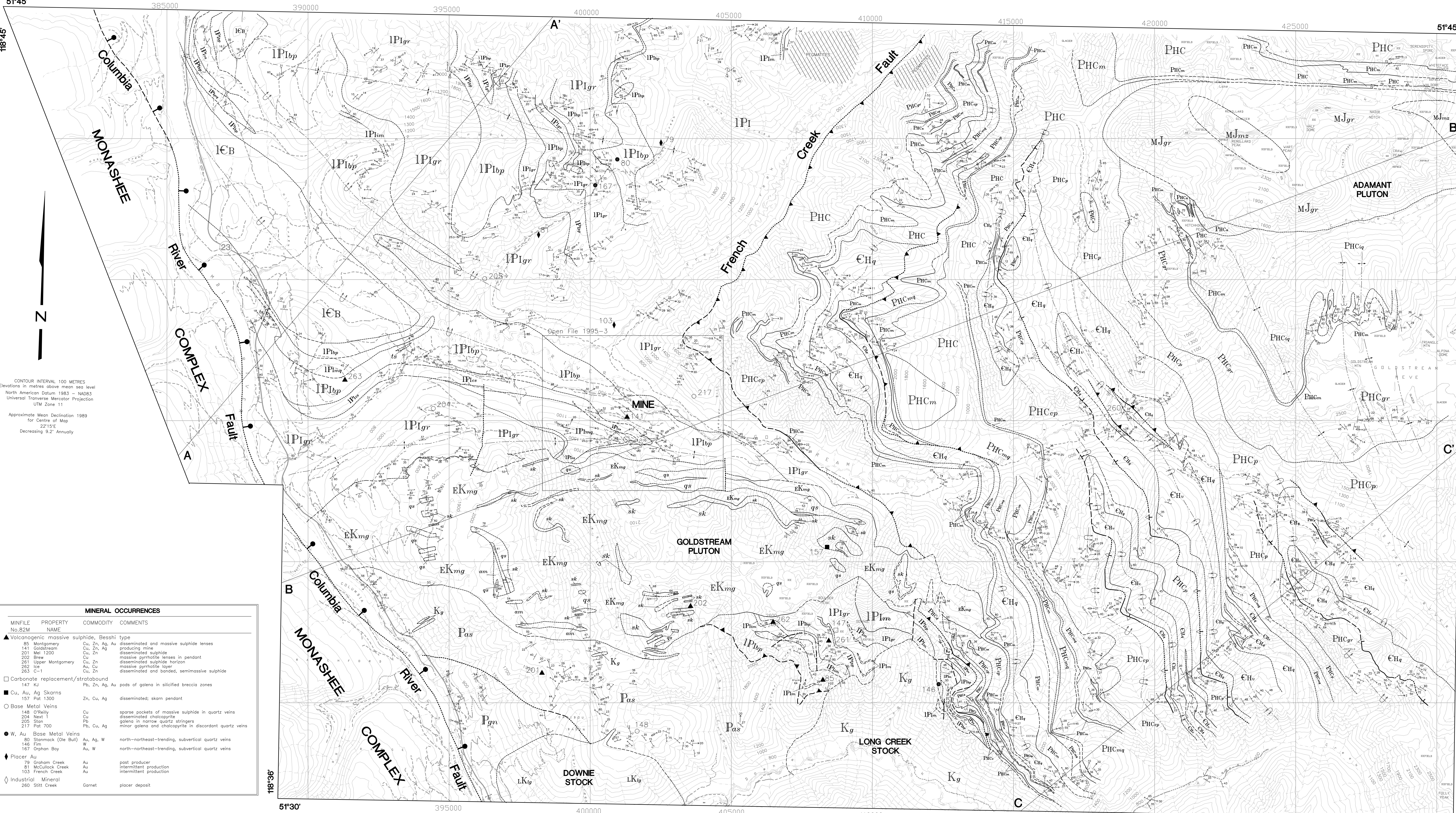


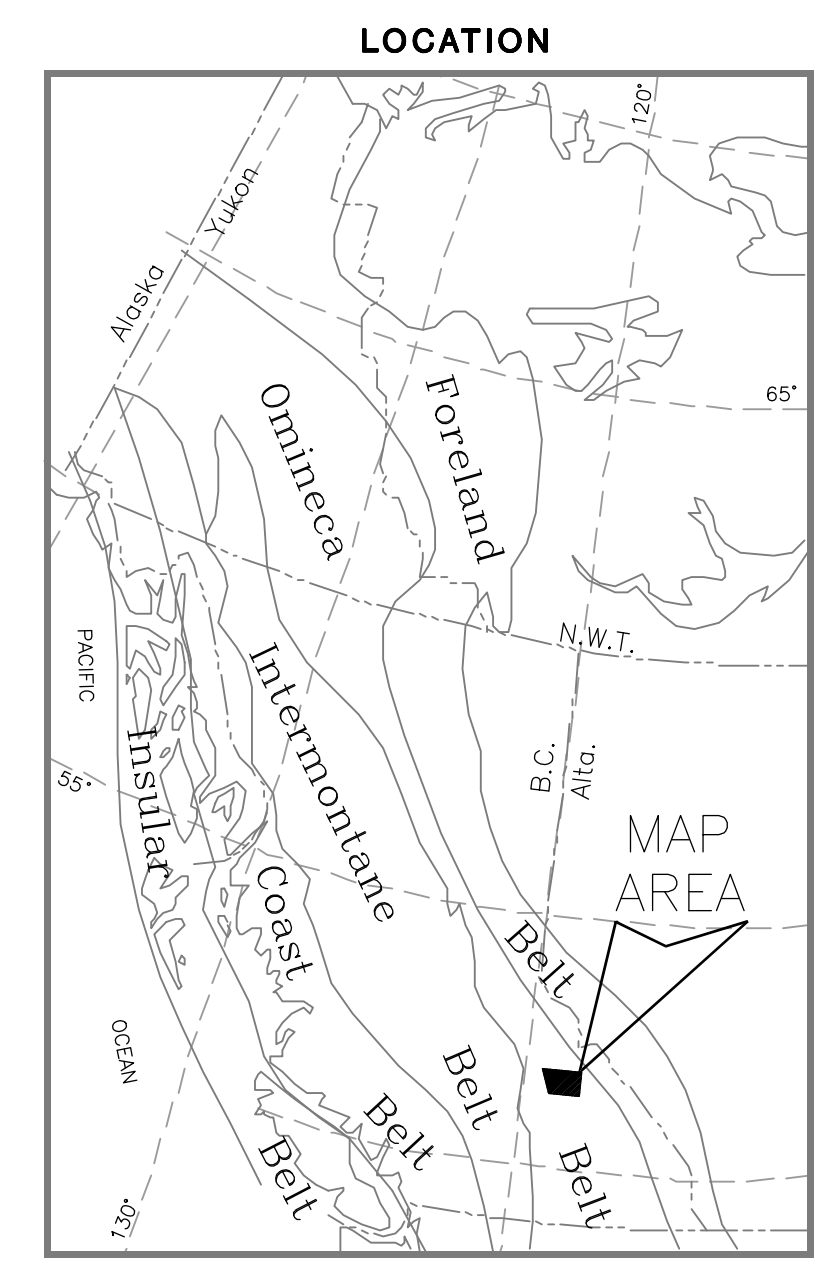
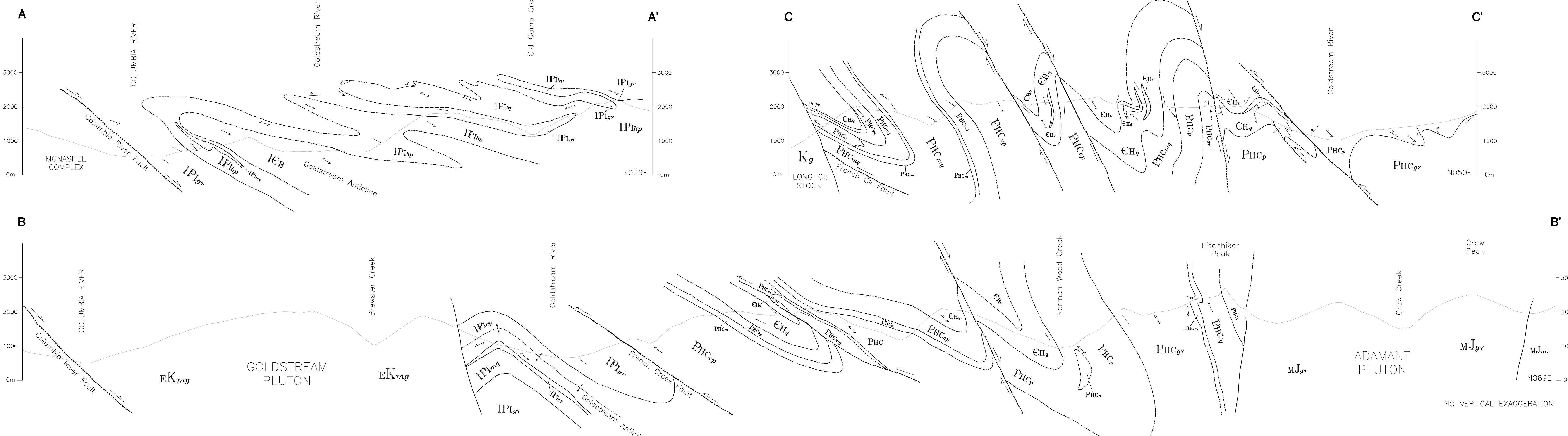
LEGEND

- INTRUSIVE ROCKS**
- LATE CRETACEOUS (?)
 DOWNIE STOCK
LK_{lg} Muscovite-biotite leucogranite, locally garnet-bearing
- CRETACEOUS (?)
 LONG CREEK STOCK
K_g Biotite granite, locally megacrystic
- EARLY CRETACEOUS
 GOLDSTREAM PLUTON
EK_{mg} Medium to coarse-grained hornblende-biotite quartz monzonite, medium to coarse-grained biotite granite, locally, pink megacrystic granite; minor orthite dikes
- MIDDLE JURASSIC
 ADAMANT PLUTON
MJ_{gr} Hornblende (biotite) granodiorite
Md_{ms} Hypersthene-sageite (hornblende, biotite) monzonite
- LAYERED ROCKS**
- CAMBRIAN
 (?) TO DEVONIAN (?)
 LARDEAU GROUP
IP_l Index formation (undivided)
IP_{lg} Medium to coarse-grained quartz grit; laminated micaceous quartzite; brown weathering calcareous grit; muscovite-quartz (biotite) schist; light to medium green siliceous phyllite with buff weathering dolomitic horizons
IP_{lm} Light grey marble; tan weathering marble
IP_{ls} Medium to dark green chlorite schist; greenstone
IP_{lmq} Light brown micaceous quartzite and siliceous phyllite
IP_{lbp} Graphic phyllite and schist; dark grey to black calcareous phyllite, siliceous green phyllite, minor dark grey marble
IP_{lbn} Medium to dark grey banded marble; black limestone
- LOWER CAMBRIAN
IC_B BADSHOT FORMATION: light grey and white dolomitic marble
- EOCAMBRIAN
 HAZEL GROUP
EH_v Massive and mylonitic gneiss; hornblende-biotite mafic schist; volcanic conglomerate and chlorite grit; lignite buff; rare, medium grey andesite
EH_r Fine grained, medium grey, rhythmically laminated sandstone and siltstone; minor brown weathering dolomite
EH_a Brown weathering dolomitic marble
EH_g Massive and cross-bedded white quartzite; light grey to light green micaceous quartzite; medium to coarse-grained quartz grit, intercalated with grey and green phyllite
EH_p Dark grey phyllite and micaceous quartzite
- NEOPROTEROZOIC
 HORSETHIEF CREEK GROUP
PHC Undivided
PHC_{bl} Black calcareous phyllite; dark grey marble
PHC_a White dolomite, locally plastic
PHC_g Dark green, massive gneiss
PHC_{md} Light grey and green micaceous quartzite; light grey marble
- NEOPROTEROZOIC HORSETHIEF CREEK GROUP**
- PHC_{gr}** Grey and green calcareous phyllite and fine grained grit, locally intercalated with dark grey and brown weathering marble; micaceous quartzite; minor gneiss
PHC_{gr} Rhythmically laminated, light to medium grey phyllite and siltstone
PHC_{gr} Coarse grained feldspathic grit, grey laminated phyllite
PHC_{gr} Light grey marble; Near Goldstream Pluton: limestone pebble to boulder conglomerate; calcareous sandstone; dark grey marble; dark grey pelitic schist intercalated with buff weathering marble; calcareous schist
PHC_a Coarse-grained amphibolite
PHC_{lg} Fine grained quartz grit, impure quartzite and pelitic schist, with actinolite-bearing calcite layers; minor amphibolite; minor brown weathering marble
PHC_{gr} Light grey quartz-feldspar-biotite (garnet) gneiss; minor hornblende-biotite gneiss
- PALEOZOIC (?)**
- P_{as}** Muscovite-quartz-andalusite schist, quartzite; garnet amphibolite
P_{gm} Light grey quartz-feldspar-biotite (garnet) gneiss; minor hornblende-biotite gneiss
- AGE UNCERTAIN**
- ts** Talc schist
- KENOLITHS AND PENDANTS IN GOLDSTREAM PLUTON**
- sk** Garnet-sillopside skarn; marble; minor biotite schist and quartzite
qs Dark grey quartzite; dark grey and lavender quartz-biotite schist
am Amphibolite
- SYMBOLS**
- Geological contact (defined, approximate, assumed)
 Bedding (inclined, vertical, upright, overturned)
 Lignitic foliation (inclined)
 Dominant foliation (inclined, vertical)
 Creulation cleavage (inclined, vertical)
 Intersection lineation (plunge indicated)
 Creulation lineation (plunge indicated)
 Second creulation (plunge indicated)
 Axis of tight-to-isoclinal folds (vergence unknown, counter-clockwise, clockwise, symmetrical)
 Axis of late, open folds (vergence unknown, counter-clockwise, clockwise, symmetrical)
 Mineral or stretching lineation (plunge indicated)
 Apparent dip of bedding (in cross sections: top unknown, top known)
 Apparent dip of dominant foliation (in cross sections)
 Extension fault; downthrown side indicated (defined, approximate, assumed)
 Thrust fault; teeth indicate upthrown side (defined, approximate, assumed)
 Overturned thrust fault; teeth indicate upthrown side; dip indicated by tick marks (defined, approximate, assumed)
 Axial trace of overturned anticline, syncline
 Axial trace of upright oriform, synform
- NOTE:**
 Geology of the area north of Goldstream River and east of Norman Wood Creek compiled, in parts, after Wheeler (1965) and Fox (1969).
- REFERENCES:**
 Fox, P. G. (1969). Petrology of Adamant Pluton, British Columbia. Geological Survey of Canada, Paper 67-61, 101 pages.
 Logan, J. M. and Colpron, M. (1995). Northern Selkirk Project - Geology of the Goldstream River Area (82M/9 and Parts of 82M/10). In Geological Fieldwork 1994, Grant, B. and Newell, J. M., Editors, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1995-1.
 Logan, J. M. and Gibbon, G. (1995). Geology of the Goldstream River Area (82M/9). B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1995-1, 110 pages.
 Wheeler, J. O. (1965). Big Bend map-area, British Columbia (82M/9 part). Geological Survey of Canada, Paper 64-32, 37 pages.



MINERAL OCCURRENCES

MINIFILE No. 82M	PROPERTY NAME	COMMODITY	COMMENTS
▲	Volcanogenic massive sulphide, Besashi type		
85	Montgomery	Cu, Zn, Ag, Au	disseminated and massive sulphide lenses
Goldstream	Cu, Zn, Ag	producing mine	
201	Mel 1200	Cu, Zn	disseminated sulphide
522	Blea	Cu, Zn	massive pyrite lenses in pendant
281	Upper Montgomery	Cu, Zn	disseminated sulphide horizon
282	Loa	Cu, Zn	massive pyrite layer
283	C-1	Cu, Zn	disseminated and banded, semimassive sulphide
□	Carbonate replacement/strotrabound	Pb, Zn, Ag, Au	pods of galena in silicified breccia zones
147	KJ		
■	Cu, Au, Ag Skarns	Zn, Cu, Ag	disseminated; skarn pendant
137	Pat 1300		
○	Base Metal Veins		
148	O'Reilly	Cu	spore pockets of massive sulphide in quartz veins
204	Nest 1	Pb	disseminated chalcopyrite
205	Sto 700	Pb, Cu, Ag	galena in narrow quartz stringers
217	Pat 700		minor galena and chalcopyrite in discordant quartz veins
●	W, Au Base Metal Veins		
80	Stornack (Ole Bull)	Au, Ag, W	north-northeast-trending, subvertical quartz veins
146	Pat 146		
167	Orphan Bay	Au, W	north-northeast-trending, subvertical quartz veins
◆	Fluor Au	Au	post producer
79	Graham Creek	Au	intermittent production
81	McCluskey Creek	Au	intermittent production
103	French Creek	Au	intermittent production
◇	Industrial Mineral	Garnet	placer deposit
260	S&H Creek		



CONTOUR INTERVAL 100 METRES
 Elevations in metres above mean sea level
 North American Datum 1983 - NAD83
 Universal Transverse Mercator Projection
 UTM Zone 11
 Approximate Mean Declination 1989
 for Centre of Map
 22°15' E
 Decreasing 9.2" Annually