

LEGEND

QUATERNARY	PLEISTOCENE AND RECENT	O	Drift covered; till, alluvium, colluvium
Eocene (?)	EM	McGREGOR INTRUSIONS	Syenite, monzonite, shonkinite
CRETACEOUS	KWC5	WHITE CREEK BATHOLITH	Biote-muscovite leucogranite
	KWC4	Biote-muscovite leucogranite	
	KWC3	Biote monzonite with megacrysts of potassium feldspar, apite and pegmatite	
	KWC2	Hornblende granodiorite	
	KWC1	Biote-epidote granodiorite	
CRETACEOUS AND JURASSIC	KBMS	BAYONNE GRANITIC SUITE (JEMS - KBMS)	MOUNT SKELLY PLUTON
	KBMC	MIDGE CREEK STOCK	Biote-muscovite-epidote leucogranodiorite
	KBHC	HEATHER CREEK PLUTON	Biote-muscovite leucogranodiorite; pegmatite
	KBSP	DREWRY POINT INTRUSION	Leucocratic biote-epidote granodiorite, garnet-bearing apite and pegmatite
	KBSM	STEEPLE MOUNTAIN INTRUSION	Biote-muscovite leucogranite, granodiorite and tonalite, commonly foliated; pegmatite and apite
	KBSC	SHAW CREEK INTRUSION	Biote leucogranodiorite, locally with megacrysts of potassium feldspar
	JBWS	WALL STOCK	Biote-hornblende-epidote granodiorite
	JBMS	MINE STOCK	Biote-hornblende-epidote granodiorite
JURASSIC(?)	JNP	NELSON GRANITIC SUITE (JNB - JNP)	PROCTOR INTRUSIONS
	JND	Hornblende, hornblende diorite	
	JND	Biote (hornblende) granodiorite, with megacrysts of potassium feldspar	
	JNB	MOUNT BALDY PLUTON	Granodiorite, foliated with many inclusions of country rock; common potassium feldspar megacrysts
	JUB	Ultrabasic, serpentized peridotite	
CAMBRIAN TO DEVONIAN	INDEX FORMATION	Undivided	
	PJA	Biote-quartz-feldspar (garnet) gneiss, amphibolite	
	PJB	Marble and calc-silicate gneiss, amphibolite, micaceous quartzite	
	PJC	Hornblende gneiss, amphibolite, calcite marble, biotite-muscovite schist and gneiss	
CAMBRIAN LOWER CAMBRIAN	INDEX FORMATION	Undivided	
	CBM	BIOSCHOT MOHICAN FORMATION: calcite marble, dolomite, calcareous schist, quartzite	
LOWER CAMBRIAN AND HADRYNIAN(?)	HAMILL GROUP	Undivided	
	CH1	Dark quartzite, quartz-rich schist	
	CH2	White quartzite	
	CH3	Muscovite-biotite-chlorite schist, quartzite, sillstone	
	CH4	Chert pattern indicates epidote-chlorite amphibolite gneiss (greenstone?)	
	CH5	Massive white quartzite, micaceous quartzite, CH4 carbonate	
	CTS	THREE SISTERS FORMATION: feldspathic gneiss and quartzite; quartz pebble conglomerate, CTS: conglomerate member	
HADRYNIAN	WINDERMERE SUPERGROUP (H1-H4)	H1	HORNBETH CREEK GROUP
		H2	Phyllite and schist, interbedded quartzite, pebble and cobble conglomerates, grey limestone
		H3	Grey limestone and marble, dolomite
		H4	Pebble conglomerate, quartz, quartzite, and feldspar clasts
		H5	Cobble conglomerate
		H6	Siliceous, massive white quartzite; pebbly quartzite; H6a: cobble and boulder conglomerate indicated by pattern
		H7	Phyllite; siltite; carbonate
		H8	IRENE VOLCANIC FORMATION: massive to schistose greenstone, mafic tuff; phyllite
		H9	TOBY FORMATION: polymict conglomerate, pebble and cobble conglomerate, quartzite and gneiss
HELIKIAN	HELLROARING CREEK INTRUSIONS	HIC	Granite, pegmatite
	PURCELL SUPERGROUP (HA - HMN)	HMN	MOUNT NELSON FORMATION: undivided
		HM4	Dolomite, white to dark grey, buff to brown weathering, with stromatolites and coales; green argillite, quartzite
		HM3	Black argillite, grey siltstone, thinly interbedded
		HM2	Dolomite, dolomitic siltstone, argillite
		HM1	Quartzite, thick bedded, white to green
	LA FRANCE CREEK GROUP	HLF2	Undivided
		HLF1	UPPER: interbedded grey siltite and black argillite, thin to thick bedded
		HLF1	LOWER: thin to thick bedded black argillite and grey siltite
	MOYIE INTRUSIONS: metadiorite, metagabbro diorite	HM	
COPPERY CREEK GROUP	Undivided	HCC	UPPER: dolomite, thin to thick bedded, white to grey, with interbedded white quartzite
		HCC3	MIDDLE: purple lined or purple mottled grey siltite or fine quartzite; black to deep purple argillite, white (clay) grained quartzite
		HCC2	LOWER: dolomite, dolomitic siltstone, green and black argillite, light grey siltite and quartzite
		HCC1	NCCA: grey carbonate member
CRESTON GROUP	Undivided	HG	Granitic rocks, primary foliation (inclined, vertical)
		HC3	UPPER: interbedded purple argillite and siltite
		HC2	MIDDLE: purple lined or purple mottled grey siltite or fine quartzite; black to deep purple argillite, white (clay) grained quartzite
		HC1	LOWER: thin to thick bedded siltite, thinly interbedded argillite and siltite, characterized by heavy bedding, mud cracks, and out-and-in features; HCA: mud-cracked member
ALDRIDGE GROUP	Undivided	HA	UPPER: light weathering black argillite and siltite
		HA3	UPPER: light weathering, grey siltite and fine quartzite in beds up to 1 m; interbeds of dark argillite and successions of thinly interbedded black argillite and grey siltstone
		HA2	MIDDLE: light grey weathering, laminated or crossbedded quartzite, argillite and siltite
		HA1	LOWER: rusty weathering, laminated or crossbedded quartzite, argillite and siltite

CRETACEOUS	KFC	FRY CREEK BATHOLITH	Leucogranite, biote monzonite, biote-muscovite leucogranite in westernmost exposures
	KCB	CRAWFORD BAY STOCK	Biote monzonite, medium- to coarse-grained, with trace muscovite
	KS	SHORELINE INTRUSIONS	Biote-muscovite granite and pegmatite, foliated in some localities; pattern indicates many inclusions of country rocks
	KHL	HALL LAKE STOCK	Biote monzonite
	KAC	ANGUS CREEK INTRUSIONS	Biote monzonite
	KCM	CONTINENTAL MOUNTAIN PLUTON	Tonalite
	KCC	CORN CREEK INTRUSIONS	Foliated biote-muscovite granite and pegmatite
	KSCC	SELKIRK CREST COMPLEX	Polycrystalline gneiss; granodiorite; veins and layers of gneissic biote granite; some muscovite biote monzonite
CRETACEOUS(?)	K(7)4	Metadiorite sill, fine- to medium-grained	

SELKIRK MOUNTAINS, WEST OF UPPER KOOTENAY LAKE	TS	TRIASSIC	SLOCAN GROUP
			Grey argillite and phyllite light grey to black limestone
PERMIAN	PM	MARTEN CONGLOMERATE: greenstone conglomerate	
MISSISSIPPIAN AND PERMIAN	MPW	UPPER MISSISSIPPIAN TO LOWER PERMIAN	MILFORD GROUP
			Siliceous argillite and phyllite, grey limestone, chert
CAMBRIAN TO DEVONIAN	PI	INDEX FORMATION	Undivided
LOWER CAMBRIAN	PJA	BROADVIEW FORMATION	Grey mica schist, quartz gneiss, quartzite, pebble conglomerate
	PJ	JOWETT FORMATION	Basaltic greenstone

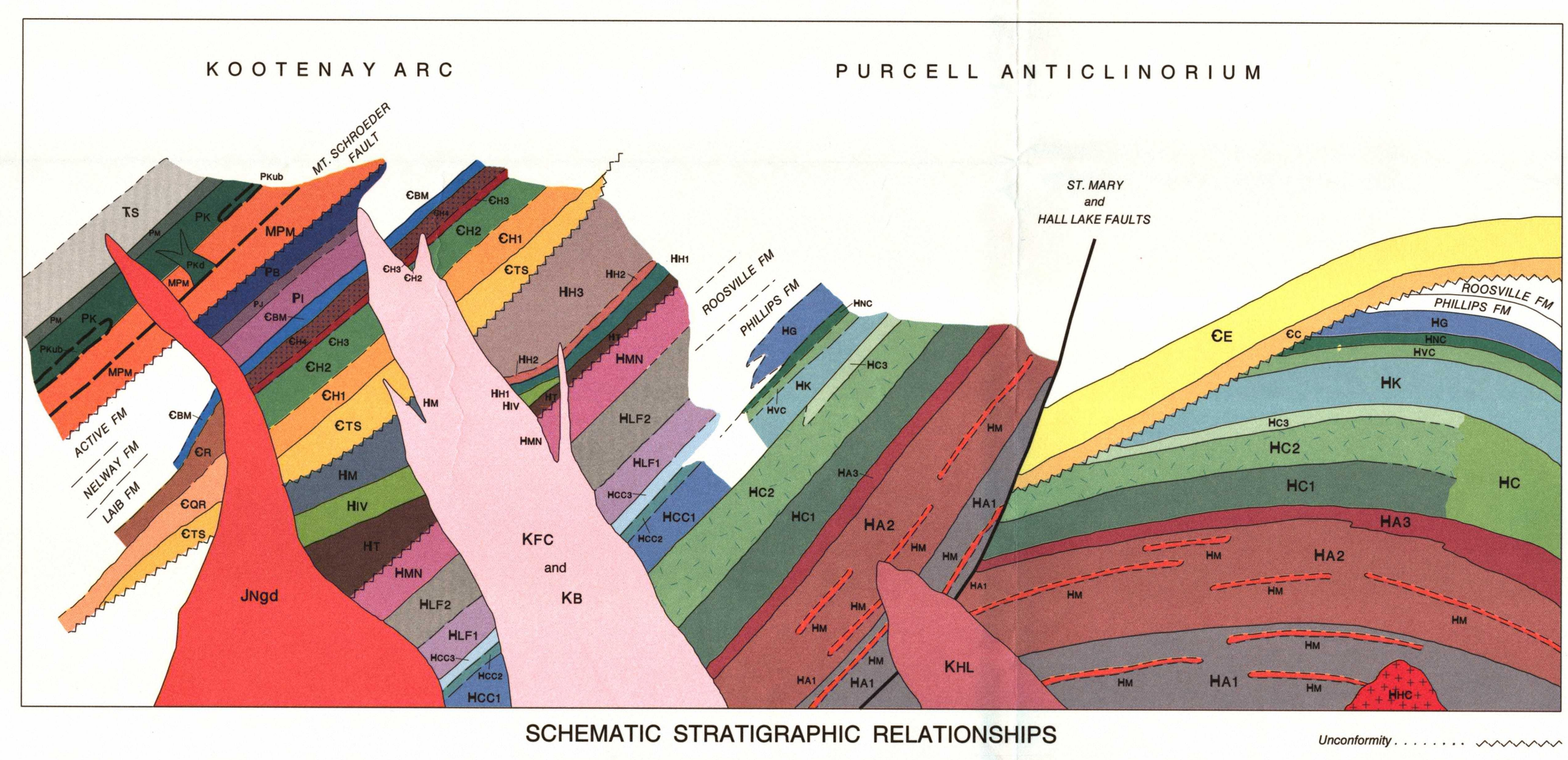
WEST OF LOWER KOOTENAY LAKE AND KOOTENAY RIVER	CR	CAMBRIAN LOWER CAMBRIAN	HAMILL GROUP
			Micaceous biotite-chlorite schist, quartzite, sillstone
			CH4: pattern indicates epidote-chlorite amphibolite gneiss (greenstone?)
			CH5: massive white quartzite, micaceous quartzite, CH4 carbonate
	CCR	QUARTZITE RANGE FORMATION: undivided	Orthoquartzite and micaceous quartzite, minor argillite
	CCR1	Massive to crossbedded orthoquartzite	
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EASTERN PURCELL MOUNTAINS	HG	HELIKIAN	PURCELL SUPERGROUP (HK - HG)
			GETAWAY FORMATION: dolomite, light buff to brown weathering, with stromatolites and coales; green argillite, quartzite
	HHC	NICOL CREEK FORMATION: volcanic extrusives; tuffs	
	HVC	VAN CREEK FORMATION: green interlamated argillite and siltite	
	HK	KITCHENER FORMATION: dolomite, dolomitic siltstone, green argillite, black argillite; light grey to white siltite	

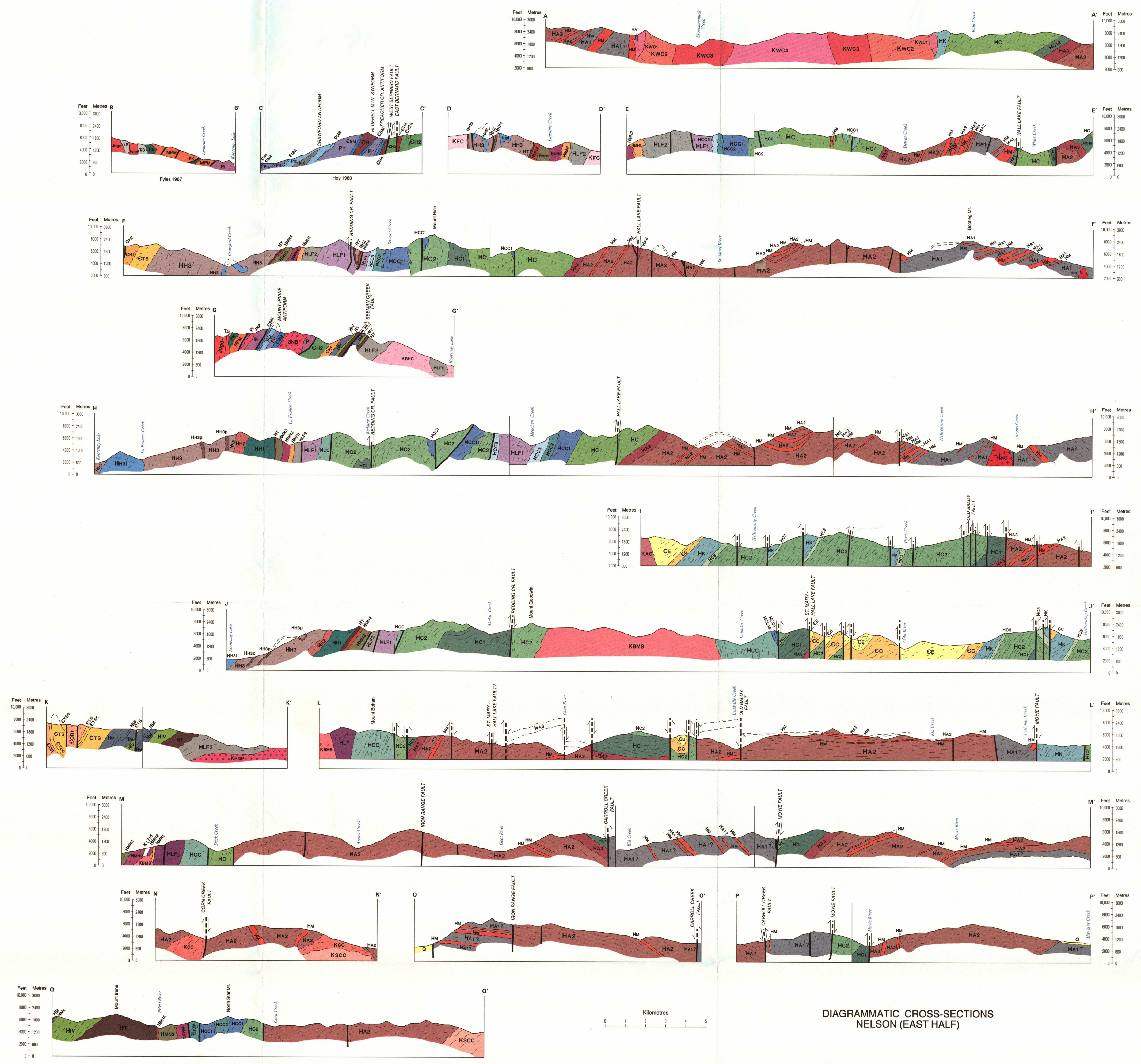
Geological boundary (defined, approximate, assumed)	.....
Bedding, top known (inclined, vertical overturned)	.....
Bedding, top unknown (inclined)	.....
Schistosity (inclined, vertical)	.....
Granitic rocks, primary foliation (inclined, vertical)	.....
Granitic rocks, secondary foliation (inclined, vertical)	.....
Fault (defined, approximate, assumed)	.....
Thrust (reverse) fault (with direction of dip defined, approximate, assumed)	.....
Small folds (axial plane with plunge of axis, inclined, vertical)	.....
Anticline, synform (trace of axial surface)	.....
Antiform, synform (trace of axial surface)	.....
Overturned anticline, synform (trace of axial surface)	.....
Overturned antiform, synform (trace of axial surface)	.....
Fossil locality	.....
Location of cross-section	.....

EASTERN PURCELL MOUNTAINS, SOUTHEASTERN PURCELL ANTICLINORIUM

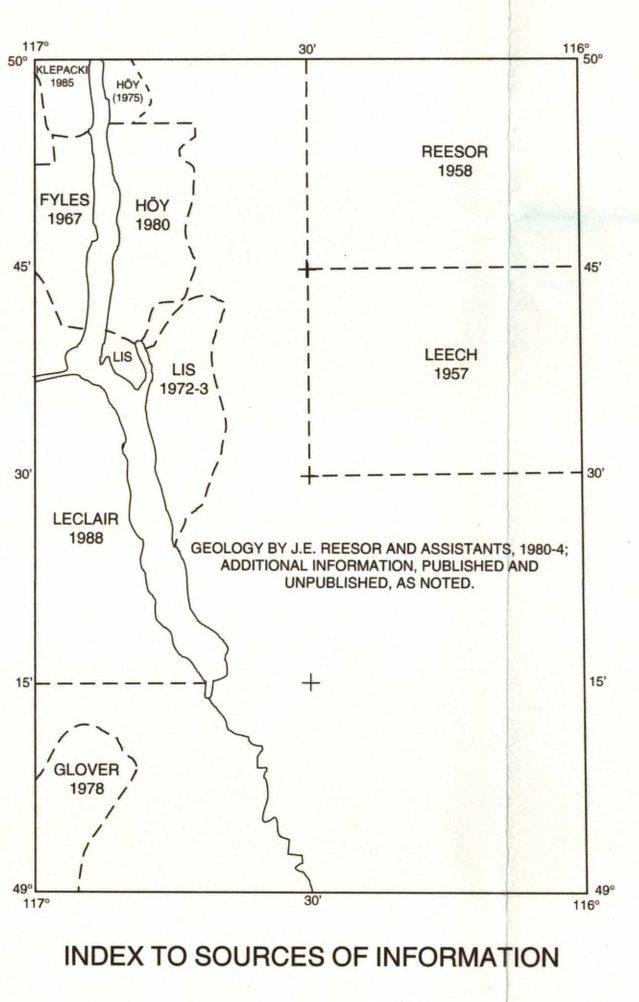
DEVONIAN(?)	D(7)P	PEAVINE CONGLOMERATE: polymictic conglomerate with cobble to boulder sized clasts, sandy matrix
CAMBRIAN	DE	EAGER FORMATION: grey argillite, silt argillite, siltstone, buff weathering, silt limestone; rare bioclastic beds
	CC	CRANBROOK FORMATION: siliceous white quartzite; gritty quartzite, pebble and cobble conglomerate
LOWER CAMBRIAN (?)	CC(7)	CRANBROOK FORMATION(?): conglomerate, angular to rounded clasts up to cobble size



SCHEMATIC STRATIGRAPHIC RELATIONSHIPS



DIAGRAMMATIC CROSS-SECTIONS NELSON (EAST HALF)



INDEX TO SOURCES OF INFORMATION

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