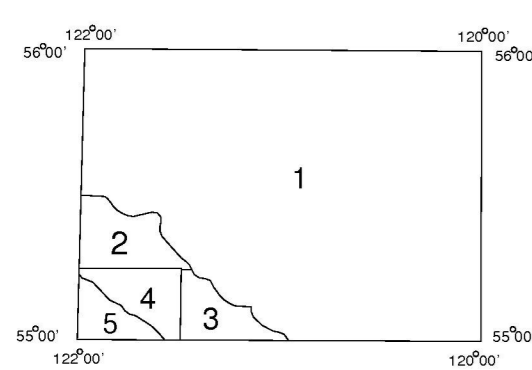
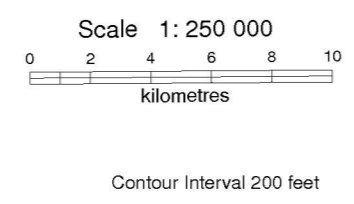


<b>QUATERNARY</b>		
<b>FLEISTOCENE AND RECENT</b>		
Qa	Till, alluvium, colluvium	
<b>CRETACEOUS</b>		
<b>UPPER CRETACEOUS</b>		
ukw	WAPITI FORMATION: sandstone, carbonaceous shale, conglomerate	
<b>SMOKY GROUP (ukK-ukP)</b>		
ukp	PUSKASKAU FORMATION: undivided	
ukpc	CHUNGO MEMBER: sandstone, coal	
ukpl	DOWLING, THISTLE AND HANSON MEMBERS: dark grey shale, calcareous shale, siltstone	ukpm MUSKIKI, DOWLING, THISTLE AND HANSON MEMBERS: shale, calcareous shale, siltstone
ukma	MARSHBANK FORMATION: sandstone, carbonaceous shale	
ukm	MUSKIKI FORMATION: dark grey shale, silty shale, sandstone	
ukc	CARDIUM FORMATION: sandstone, carbonaceous shale, conglomerate	
ukK	KASKAPAU FORMATION: dark grey shale, locally calcareous sandstone, uKf-TUSKOCOLA SANDSTONE	
ukkw	WARTENBE SANDSTONE, KASKAPAU FORMATION: sandstone, conglomerate	
ukd	DUNVEGAN FORMATION: sandstone, shale, siltstone, minor conglomerate	
<b>FORT ST. JOHN GROUP (Kf - ukf)</b>		
ukcr	GRUSER FORMATION: dark grey, sideritic shale	
<b>LOWER CRETACEOUS</b>		
Kgp	GOODRICH FORMATION: sandstone, minor shale	Kkg HASLER AND GOODRICH FORMATIONS: undivided (subsurface only)
Kha	HASLER FORMATION: dark grey, sideritic shale	
Kbc	BOULDER CREEK FORMATION: sandstone, conglomerate, shale	Kmb MOOSEBAR, GATES, HULCROSS AND BOULDER CREEK FORMATIONS: undivided (subsurface only)
Kh	HULCROSS FORMATION: dark grey, sideritic shale	
Kg	GATES FORMATION: sandstone, shale, coal, siltstone, mudstone	Ksp SPIRIT RIVER AND PEACE RIVER FORMATIONS: shale, sandstone, siltstone, coal (subsurface only)
Km	MOOSEBAR FORMATION: dark grey, sideritic siltstone	
Kbh	BULLHEAD GROUP (Kc - Kge): undivided (subsurface only)	Kcp CADOMIN, GETTING, SPIRIT RIVER AND PEACE RIVER FORMATIONS: undivided (subsurface only)
Kge	GETTING FORMATION: sandstone, shale, conglomerate, coal	
Kc	CADOMIN FORMATION: conglomerate, sandstone	
<b>JURASSIC AND CRETACEOUS</b>		
<b>UPPER JURASSIC AND LOWER CRETACEOUS</b>		
JKm	MINNES GROUP: sandstone, siltstone, shale, coal	JKfm FERNE FORMATION AND MINNES GROUP: undivided (subsurface only)
Jf	FERNE FORMATION: shale, siltstone, minor sandstone	
<b>JURASSIC</b>		
<b>TRIASSIC</b>		
<b>SPRAY RIVER GROUP (Tsm - Tw)</b>		
Tw	WHITEHORSE FORMATION: limestone, dolomite, minor sandstone, siltstone, gypsum	Tsc SCHOOLER CREEK GROUP: limestone, dolomite, sandstone, shale, anhydrite
Tsm	SULPHUR MOUNTAIN FORMATION: dolomitic and calcareous siltstone, minor limestone, dolomite, shale, sandstone	
<b>PERMIAN</b>		
Pbf	BELOCURT, UNNAMED AND FANTASQUE FORMATIONS: limestone, chert, minor phosphatic dolomite, siltstone	T TRIASSIC STRATA: undivided (subsurface only)
<b>CARBONIFEROUS AND PERMIAN</b>		
CP	STOODART GROUP AND BELLOY FORMATION: sandstone, shale, siltstone, limestone, dolomite (subsurface only)	Td DIABER GROUP: siltstone, shale, calcareous and dolomitic siltstone
<b>CARBONIFEROUS</b>		
<b>LOWER CARBONIFEROUS</b>		
Cr	RUNDLE GROUP: limestone, dolomite, calcareous shale	C BANFF FORMATION AND RUNDLE GROUP: undivided (subsurface only)
Cb	BANFF FORMATION: brown calcareous shale, limestone, black shale	
<b>DEVONIAN AND CARBONIFEROUS</b>		
<b>UPPER DEVONIAN AND CARBONIFEROUS</b>		
DCe	EXSHAW FORMATION: black shale, siltstone (subsurface only)	DC EXSHAW AND BANFF FORMATIONS: undivided (subsurface only)
DCr	BESA RIVER FORMATION: black shale, sandstone	
<b>DEVONIAN</b>		
<b>UPPER DEVONIAN</b>		
Dmh	MOUNT HAWK FORMATION: argillaceous limestone, limestone	Dpm PERDRIX AND MOUNT HAWK FORMATIONS: undivided (subsurface only)
Dpx	PERDRIX FORMATION: shale, calcareous shale	
<b>MIDDLE DEVONIAN</b>		
Dd	DUNEDIN FORMATION: limestone, argillaceous limestone, calcareous shale, shale, minor sandstone at base	D Stone and Dunedin Formations: undivided (subsurface only)
Ds	STONE FORMATION: silty dolomite, quartz sandstone, dolomite (subsurface only)	
<b>ORDOVICIAN</b>		
<b>UPPER ORDOVICIAN</b>		
Ob	BEAVERFOOT FORMATION: dolomite, quartz sandstone at base	O ORDOVICIAN STRATA: undivided (subsurface only)
<b>MIDDLE ORDOVICIAN</b>		
Osr	SROKI AND ROAD RIVER FORMATIONS: dolomite, sandstone, calcareous sandstone, dark shale, calcareous shale	
<b>LOWER ORDOVICIAN</b>		
Om	MONKMAN QUARTZITE: quartz sandstone	
Osp	SURVEY PEAK FORMATION: limestone, argillaceous limestone, calcareous shale, shale	
<b>CAMBRIAN</b>		
<b>UPPER CAMBRIAN</b>		
C1	LYNK FORMATION: limestone, dolomite, calcareous shale, shale	C CAMBRIAN STRATA: undivided (subsurface only)
<b>MIDDLE CAMBRIAN</b>		
Cm	SNAKE INDIAN, ELDON AND ARICOMYS FORMATIONS: dolomitic siltstone, shale, dolomite, minor sandy dolomite	
<b>LOWER CAMBRIAN</b>		
<b>GOO GROUP (Cmn - Cmh)</b>		
Cmh	MAITO FORMATION: quartzite, minor dolomitic quartzite, dolomite	
Cmr	MURAL FORMATION: dolomitic quartzite dolomite, sandy dolomite, quartzite, argillite	
Cmn	MONAUGHTON FORMATION: quartzite, argillaceous quartzite, siltstone, argillite, pebbly sandstone at base	
<b>UPPER PROTEROZOIC</b>		
<b>MISINCHINKA GROUP (Epc - Ect)</b>		
Ect	CUT THUMB FORMATION: argillite, siltstone, minor sandstone	
Epc	PAKSUMO, VREELAND, FRAMSTEAD AND CHOWIKA FORMATIONS: diamictite, siltstone, argillite, sandstone, granule conglomerate, dolomite	

SOURCES OF INFORMATION



DAWSON CREEK  
BRITISH COLUMBIA

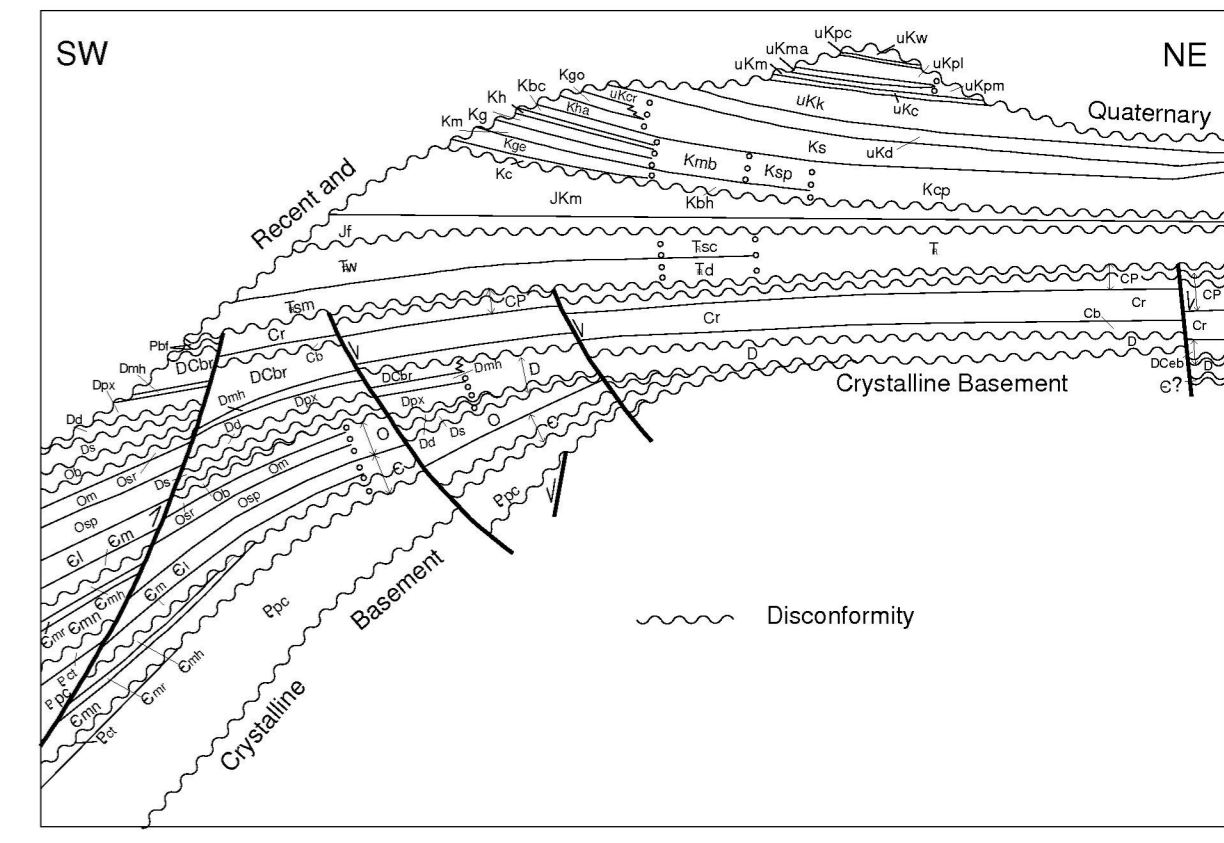


GSC OPEN FILE 2669

Geological boundary (defined, approximate, assumed)	---
Fault, reverse or thrust (defined, approximate, assumed, teeth on upthrust side)	---
Fault, transverse (defined)	---
Anticline (defined, approximate)	~ ~ ~
Syncline (defined, approximate)	~ ~ ~
Anticline and syncline, overturned (defined, approximate)	~ ~ ~
Limestone quarry	X - ls
Open pit coal mine (approximate limits)	xxxxxxx
Lateral change in lithologies (denoted by zig-zag perpendicular to map unit contacts)	~ ~ ~
Limit of mappable units; change of stratigraphic nomenclature; denoted by dotted line perpendicular to map unit contacts	....

Geological interpretation and compilation by M.E. McMechan 1992, based on unpublished and published sources as listed below.  
Computer drafting by M.E. McMechan and B. Cormier, 1992-93.

- Ground and air observations, alpha interpretation by D.F. Stett (1969-1986) and M.E. McMechan (1992); and Stett, D.F., 1961: Geological Survey of Canada Map 19-1961.
- Hunter, D.J. and Cunningham, J.M., 1991: British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File Map 1991-4.
- Kilby, W.E. and Wrightson, C.B., 1987: British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File Map 1987-6.
- Kilby, W.E. and Wrightson, C.B., 1987: British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File Map 1987-7.
- Ground and air observations by M.E. McMechan, 1992.



SCHEMATIC STRATIGRAPHIC CROSS SECTION