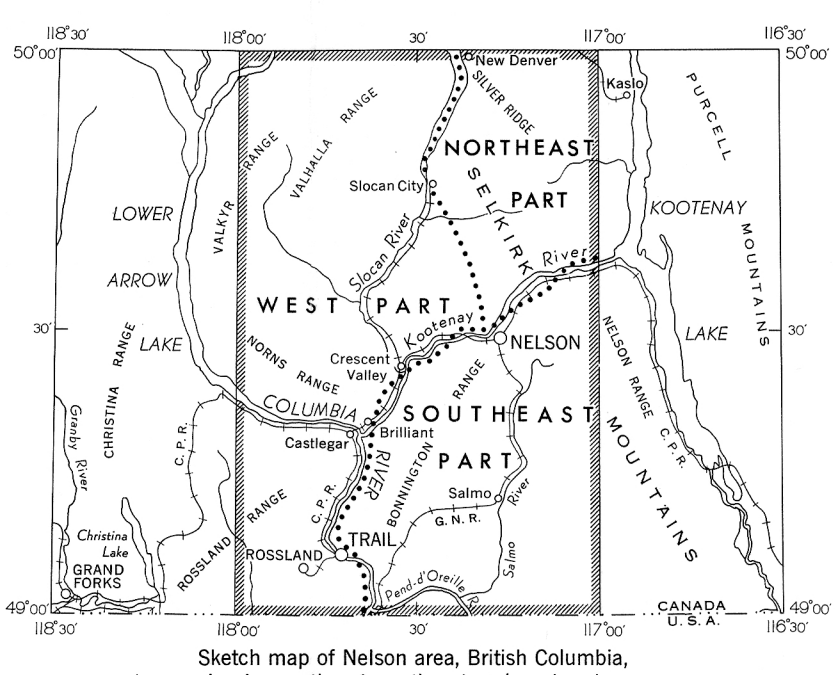
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

ERA	PERIOD OR EPOCH	SOUTHEAST PART: GROUP OR FORMATION	SOUTHEAST PART: LITHOLOGY	NORTHEAST PART: GROUP OR FORMATION	NORTHEAST PART: LITHOLOGY	WEST PART: GROUP OR FORMATION	WEST PART: LITHOLOGY
CENOZOIC	PLEISTOCENE AND RECENT		Glacial till; clay, sand, and gravel		Glacial till; clay, sand, and gravel		Glacial till; clay, sand, and gravel
		Unconformable contact		Unconformable contact		Unconformable contact	
	TERTIARY (?)		Conglomerate				
		Relationship not known					
		McGREGOR INTRUSIONS	Shonkinite				
		Relationship not known					
	TERTIARY	SHEPPARD INTRUSIONS	Leucocratic granite			SHEPPARD INTRUSIONS	Leucocratic granite
		Relationship not known				Relationship not known	
		CORYELL PLUTONIC ROCKS	Syenite; minor granite, monzonite, and shonkinite			CORYELL PLUTONIC ROCKS	Syenite; minor granite, monzonite, and shonkinite
		Intrusive contact				Intrusive contact	
MESOZOIC OR CENOZOIC	UPPER CRETACEOUS OR LATER					SOPHIE MOUNTAIN FORMATION	Conglomerate minor argillite
						Unconformable contact with Rossland formation	
MESOZOIC	LOWER CRETACEOUS (?)					VALHALLA PLUTONIC ROCKS	Granite; minor granodiorite and pegmatite
						Gradational and intrusive contact	
		NELSON PLUTONIC ROCKS	Porphyritic and non-porphyritic granite; granodiorite, quartz diorite, and related dyke rocks	NELSON PLUTONIC ROCKS	Porphyritic and non-porphyritic granite; granodiorite, quartz diorite, and related dyke rocks	NELSON PLUTONIC ROCKS	Porphyritic and non-porphyritic granite; granodiorite, quartz diorite and related dyke rocks
		Intrusive contact		Intrusive contact with Slocan group		Intrusive contact with Rossland formation	
	JURASSIC OR CRETACEOUS	ULTRABASIC INTRUSIONS	Serpentinized dunite and peridotite			ULTRABASIC INTRUSIONS	Serpentinized dunite and peridotite
		Intrusive contact with Rossland formation				Intrusive contact with Rossland formation	
	MIDDLE AND (?) UPPER JURASSIC	HALL FORMATION	Argillite, sandstone, and conglomerate				
		Conformable contact					
	LATE LOWER JURASSIC	ROSSLAND FORMATION	Andesite, latite, basalt, flow breccia, augite porphyry, agglomerate, tuff; minor shale	ROSSLAND FORMATION (?)	Roof pendants of metamorphosed greenstone	ROSSLAND FORMATION	Andesite, latite, basalt, flow breccia, augite porphyry, agglomerate, tuff, and metamorphic equivalents
		Conformable contact with Ymir group and Sinemurian beds				Unconformable contact with Mount Roberts formation	
	EARLY LOWER JURASSIC	SINEMURIAN BEDS	Argillite, argillaceous quartzite; minor volcanic flows or sills and volcanic tuff				
		Relationship not proven					
	EARLY MESOZOIC						Augen gneiss, hornblende-biotite-feldspar gneiss; minor crystalline limestone and skarn
						Relationship not known	
	TRIASSIC AND (?) LOWER JURASSIC			SLOCAN GROUP	Slate, argillite, quartzite, limestone, conglomerate, tuff	SLOCAN GROUP	Slate, quartzite, limestone and paragneiss
				Disconformable contact		Relationship unknown	
	TRIASSIC			KASLO GROUP	Greenstone; minor slate		
				Base not exposed within map-area			
MESOZOIC AND (?) EARLIER	PERMIAN (?), TRIASSIC (?) AND LOWER JURASSIC (?)	YMIR GROUP	Argillite, slate, argillaceous quartzite; minor limestone				
		Relationship not known					
PALÆOZOIC	PENNSYLVANIAN (?)					MOUNT ROBERTS FORMATION	Slate, limestone, argillaceous quartzite, minor lava
						Base not exposed	
	PALÆOZOIC, UNDIVIDED		White quartzite, schist, limestone and paragneiss; minor argillite and greenstone				
		Relationship not known					
	LOWER (?) AND MIDDLE ORDOVICIAN	ACTIVE FORMATION	Slate, argillite, argillaceous quartzite; minor limestone				
		Disconformable (?) contact					
	MIDDLE CAMBRIAN	NELWAY FORMATION	Dolomite, limestone, phyllite, slate				
		Gradational contact					
	LOWER CAMBRIAN	LAIB FORMATION	Argillite, argillaceous quartzite, limestone, dolomite, phyllite, and schist				
		Conformable contact					
		RENO FORMATION	Argillaceous quartzite, schist, and argillite; minor limestone				
		Conformable contact					
		QUARTZITE RANGE FORMATION	White, green, and pinkish quartzite; minor argillaceous quartzite and schist				
		Conformable contact					
PROTEROZOIC (?)	WINDERMERE (?)	THREE SISTERS FORMATION	Green grit, quartzite, and conglomerate				
		Conformable contact					
PROTEROZOIC	WINDERMERE	MONK FORMATION	Green argillite, phyllite, argillaceous schist; minor limestone; basal conglomerate				
		Unconformable (?) contact					
		IRENE VOLCANIC FORMATION	Greenstone; minor interbedded argillite and limestone				
		Gradational contact					
		TOBY FORMATION	Conglomerate; minor interbedded argillite at the top				
		Base not exposed within map-area					



Sketch map of Nelson area, British Columbia, showing northeast, southeast and west parts

Scale of Miles
16 0 16

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