



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

ERA	NORTH PART			SOUTH PART			SOUTHWEST PART (Southwest of Tintina Trench)					
	PERIOD OR EPOCH	MAP-UNIT, GROUP, FORMATION, THICKNESS IN FEET	LITHOLOGY	PERIOD OR EPOCH	MAP-UNIT, GROUP, FORMATION, THICKNESS IN FEET	LITHOLOGY	PERIOD OR EPOCH	MAP-UNIT, GROUP, FORMATION, THICKNESS IN FEET	LITHOLOGY			
CENOZOIC	PLEISTOCENE AND RECENT	26	Unconsolidated glacial and alluvial deposits	PLEISTOCENE AND RECENT	26	Unconsolidated glacial and alluvial deposits	PLEISTOCENE AND RECENT	26	Unconsolidated glacial and alluvial deposits			
	Unconformity			Unconformity			Unconformity					
				TERTIARY	25	Quartz porphyry	TERTIARY	25	Quartz porphyry			
				Relationship unknown			Relationship unknown					
							TERTIARY 2000+	24	Andesite and basalt; minor shale, sandstone and conglomerate			
							Relationship unknown					
TERTIARY	23	Sandstone, shale, and conglomerate; minor lignite	TERTIARY	23	Sandstone, shale, and conglomerate; minor lignite							
Unconformity			Unconformity									
MESOZOIC AND CENOZOIC (?)	UPPER CRETACEOUS AND TERTIARY (?)	22 Monster Fm. 3600+	Sandstone, siltstone, shale and conglomerate									
Unconformity												
MESOZOIC				CRETACEOUS	21	Syenite, granodiorite and quartz monzonite	CRETACEOUS	21	Syenite, granodiorite and quartz monzonite			
				Intrusive contact			Intrusive contact					
				CRETACEOUS (?) OR OLDER	20	Diorite and gabbro; altered equivalents	CRETACEOUS (?) OR OLDER	20	Diorite and gabbro; altered equivalents			
				Intrusive contact			Intrusive contact					
							LOWER CRETACEOUS (?)	19 1500	Siltstone; minor shale			
							Conformable contact					
	LOWER CRETACEOUS	18 Keno Hill Quartzite 1800 (?)	Quartzite; minor slate and phyllite									
	Conformable contact			JURASSIC	17 Lower Schist division 1500+(?)	Argillite, phyllite and quartzite						
	Unconformity			TRIASSIC	16 200+	Limestone and shale						
Unconformity			Unconformity									
PALEOZOIC	PERMIAN	15 Tahkandit Fm. 1150	Chert and limestone	PERMIAN	15 Tahkandit Fm. 100	Limestone						
	CARBONIFEROUS TO PERMIAN	14 2300	Limestone, shale, chert and conglomerate	Unconformity								
	MIDDLE DEVONIAN TO CARBONIFEROUS	13 2000+ (?)	Shale, chert, and conglomerate									
	LOWER MIDDLE DEVONIAN	11 Ogilvie Fm. 500+	Limestone									
	Unconformity		12 2360							Limestone and shale		
	POST SILURIAN	10 3540	Dolomite and limestone									
	ORDOVICIAN AND SILURIAN	9 Road River Fm. 2000+ (?)	Chert and argillite; minor conglomerate									
		8 4600	Dolomite and limestone									
	Unconformity		7	Limestone and limestone conglomerate								
	MIDDLE (?) AND UPPER CAMBRIAN	6 1400	Limestone and dolomite; minor shale									
	CAMBRIAN (?)	5 3500+	Sandstone and conglomerate; minor shale									
	Unconformity			Unconformity								
PROTEROZOIC AND/OR LATER								E	Serpentinized ultrabasic rock			
							Intrusive contact					
								D	Gneiss; minor quartzite, schist and pegmatite			
								C	Greenstone and amphibolite gneiss			
								B; Klondike "Schist"	White mica-rich schist; minor gneiss			
								4	Andesite and basalt			
	3 over 10,000 (?)	Gritty quartzite, quartzite, shale, minor limestone		A; Nasina "Series"	Quartzite and schist; minor gneiss and limestone							
PROTEROZOIC		2 7200+	Dolomite; minor slate, quartzite and conglomerate	Base not exposed			Compiled by L.H. Green To accompany GSC Memoir 364, by L. H. Green					
		1 5000+	Argillite and phyllite; minor quartzite and dolomite									
	Base not exposed											