

SOUTHWEST OF TINTINA TRENCH					IN TINTINA TRENCH			NORTHEAST OF TINTINA TRENCH		
Era	Period or Epoch	Formation or map-unit	Lithology	Thickness (feet)	Formation or map-unit	Lithology	Thickness in feet	Formation or map-unit	Lithology	Thickness (feet)
CENOZOIC	Pleistocene and Recent	21	Unconsolidated glacial and alluvial deposits		21	Unconsolidated glacial and alluvial deposits		21	Unconsolidated glacial and alluvial deposits	
	Tertiary				20	Olivine basalt	+ 50			
					19	Silty sandstone and pebble conglomerate	500			
MESOZOIC	<del>Cretaceous</del>							18	Andesite, dacite and basalt, commonly massive and porphyritic	+5000
	<del>Cretaceous</del>				17	Granodioritic quartz feldspar porphyry		17	Granodioritic quartz feldspar porphyry	
	Cretaceous	16	Medium- to coarse-grained biotite granodiorite to quartz monzonite; minor granite, diorite and migmatite		16	Medium- to coarse-grained biotite granodiorite to quartz monzonite; minor granite, diorite and migmatite		16	Medium- to coarse-grained biotite granodiorite to quartz monzonite; minor granite, diorite and migmatite	
	Middle and/or Upper Triassic				15a	Conglomerate with pebbles and cobbles of basalt, chert, quartzite and limestone	+2000	15b	Sandstone, siltstone, dark shale and grey to black limestone	1000 to 2000

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PALEOZOIC	Upper Pennsylvanian and Lower and Middle Permian				13 Anvil Range Group	Altered dark green basalt, pyroclastic rocks; green and maroon volcanic breccia and tuff; massive grey crinoidal limestone; varicoloured chert	+ 3500	13 Anvil Range Group	Altered dark green basalt, pyroclastic rocks; green and maroon volcanic breccia and tuff; massive grey crinoidal limestone; varicoloured chert	+3500
	Mississippian?	12	Heterogeneous, shattered hornblende syenite							
		11	Altered green volcanic rocks; green and maroon breccias, tuffs and flows; varicoloured felsic breccias and tuffs	?						
	Mississippian?	10	Current-bedded, ripple-marked, grey limestone, minor argillite and dolomite	?						
	Upper Devonian and Mississippian Upp.	9 Sylvester Group	Brown and black weathering siliceous slate and shale; thin bedded varicoloured chert; greywacke; chert - pebble conglomerate	?						
PALEOZOIC	Upper Devonian and Mississippian Upp.							8 Earn Group	Chert, shale, slate, sandstone, chert pebble conglomerate and limestone	+10,000
	Silurian and Devonian	7	Thick bedded dolomite, sandy dolomite and orthoquartzite	1000 to 5000						
	Ordovician and Silurian							6 Road River Formation	Black thin bedded graptolitic slate and chert	+400
	Ordovician and Silurian	5 Kechika Group (in part)	Black slate, argillaceous limestone and siltstone; minor volcanic breccia	-700						
	Cambrian? and Ordovician?				4	Lustrous chlorite muscovite quartz phyllite, schist and marble; minor fine-grained amphibolite	6000	4	Lustrous chlorite muscovite quartz phyllite, schist and marble; minor fine-grained amphibolite	6000
PALEOZOIC	Cambrian	3 Kechika Group	Grey lustrous phyllite, limestone and siltstone	+4000						
	Lower Cambrian	2 Atan Group	Orthoquartzite, limestone, phyllite	+2000						
	Hadrynian				1	Muscovite quartz schist, micaceous quartzite, graphitic quartzite	+10,000	1	Muscovite quartz schist, micaceous quartzite, graphitic quartzite	+10,000
PALEOZOIC	Age Unknown	A	Quartz biotite and quartz chlorite-schist, micaceous quartzite; minor phyllite and limestone	?				A	Quartz biotite and quartz chlorite-schist, micaceous quartzite, minor phyllite and limestone	?
		B	Marble and dolomite	?				B	Marble and dolomite	?
		C	Micaceous quartzose gneiss; minor quartz biotite schist	?				C	Micaceous quartzose gneiss; minor quartz biotite schist	?