

COMPOSITE LEGEND

OPERATION PORCUPINE PROJECT AREA  
(subject to revision)

Geological Period	Romanoff Uplift Babbage Depression Barn Uplift	Kagaluk Monocline Rapid Depression Old Crow Depression Taiga-Nahon Fold Belt Kandik Basin	Eagle Fold Belt Richardson Anticlinorium Bonnet Plume Basin	Aklavik Arch	Peel Platform Mackenzie Fold Belt
Quaternary					
Tertiary		Tjc unnamed clastics and peat m ////			Tr Reindeer Formation m; shale
Cretaceous		Tr Reindeer Formation m & mm; shale Tak Akak Member mm; clastics and coal			
		Knc Moose Channel Formation m & mm, sandstone and mudstone; = Kn Monster Formation mm, clastics	Kcc2 unnamed sandstone and shale m Kcc1 unnamed sandstone and shale m		
		Kti Tent Island Formation m; Kck Cuesta Creek Member m; clastics	Kb unnamed shale m		
		disconformity	disconformity?		disconformity
		Kbc Boundary Creek Formation m; shale		Kdr unnamed sandstones on Porcupine River m	Kbc Boundary Creek Formation m; shale
		disconformity	Kfb unnamed sandstone m		Ktr Trevor Formation m; sandstone
		Kbr unnamed shale, sandstone and phosphatic iron Ksr unnamed conglomerates	Kwr unnamed shale m Ksm Sharp Mountain conglomerate		Kar Arctic Red Formation m = Kdb Barnley Group (in part); shale and siltstone
		disconformity	disconformity		
		Kuss "upper sandstone division" m	Kuss "upper sandstone division" m	Kuss "upper sandstone division" m	Kuss "upper sandstone division" m
		Kush "upper shale-siltstone division" m	Kush "upper shale-siltstone division" m	Kush "upper shale-siltstone division" m	Kush "upper shale-siltstone division" m
Jurassic		Kq "white and coaly quartzite" m & ?m Kbs "bluish grey shale" m		Kq "white and coaly quartzite" m & ?m	
		Klss "lower sandstone division" m & mm	Klss "lower sandstone division" m & mm (includes Kq and Kbs in central Richardson Mountains)	Klss "lower sandstone division" m & mm (includes Kq and Kbs in Aklavik Range area)	
		Kjh Husky Formation m; shale	Kjh Husky Formation m; (Kjnb North Branch Formation m; sandstone)	Kjh Husky Formation m; shale	
		Jpo unnamed sandstone m		Jpo unnamed sandstone m	
		Kjk Kingak Formation m; shale		Kjk Kingak Formation m; shale	
		Jbc Bug Creek Formation m & mm; sandstone	Jbc Bug Creek Formation m & mm; sandstone	Jbc Bug Creek Formation m & mm; sandstone	
		disconformity	disconformity		
		TRs Shublik Formation m; limestone and siltstone	TRs Shublik Formation m (includes Ladinian beds in Taiga-Nahon Fold Belt); limestone and shale	TRs unnamed Triassic clastics and carbonates m	
		disconformity	disconformity	disconformity	disconformity
	Permian		Pt Tahkandit Formation m; limestone and chert (includes unnamed clastics southeast of Hungry Lake)		P3 unnamed Permian clastics m P2 unnamed Permian limestone m P1 unnamed Permian clastics m
		Pjc3 Jungle Creek Formation m; sandstone		P0 unnamed Permian clastics and carbonates m	
		Pjc2 Jungle Creek Formation m; shale	Pjc Jungle Creek Formation undivided		
		Pjc1 Jungle Creek Formation m; carbonates and clastics	disconformity	disconformity	
		Ce1 Ettratin Formation m; Ce2 Ettratin Formation m; shale and limestone	Ce1 Ettratin Formation m; Ce2 Ettratin Formation m; limestone and shale		
		Cw Mahoo Formation m; limestone	Pe1 "unit 2" m; carbonates and clastics	C1 Lisburne Group undivided	
		Ca Alapaq Formation m; limestone	Chr2 Hart River Formation m; siltstone Chr1 Hart River Formation m; shale and limestone	Chr2 Hart River Formation m; siltstone Chr1 Hart River Formation m; shale and limestone	
		Cky Kayak Formation mm & m; clastics limestone and coal	M1 "unit 1" m; shale Cky Kayak Formation mm & m; (Old Crow Depression)	M1 unnamed shale m Mcgl unnamed conglomerate mm	M1 "unit 1" m; shale Mo unnamed clastics and coal
		Ckk Kakituk Formation mm & m; conglomerate and sandstone angular unconformity	disconformity?	disconformity?	
Carboniferous			D1 undivided Upper Devonian clastics	Dus unnamed shale m Dcg1 unnamed conglomerate m	D1 undivided Upper Devonian clastics
		Dca Canol Formation m; black siliceous shale	Dca Canol Formation m; black siliceous shale		Dca Canol Formation m; black siliceous shale
		disconformity	disconformity		disconformity
		Do Ogilvie Formation m; limestone		Do Ogilvie Formation m; limestone	
		Dk Cranswick Formation m; limestone		Dk Cranswick Formation m; limestone	
		Dei Michelle Formation m; limestone and shale		Da Arctica Formation m; dolomite	
		Cdb unnamed carbonates m		SDg Gassage Formation m; limestone and dolomite CDB unnamed carbonates m	SDd orange and grey dolomite m
		disconformity?	disconformity?		DSK Mount Kindle Formation m; dolomite
		Cta unnamed Upper Cambrian clastics m	Cta unnamed Upper Cambrian clastics m		COF Franklin Mountain Formation m; dolomite and shale
		disconformity	angular unconformity	disconformity?	disconformity
Upper Devonian		Cwr Middle Cambrian clastics undivided	Gwr2 unnamed Middle Cambrian carbonates and clastics m Gwr1 unnamed Middle Cambrian conglomerates m		
		Cjr Jones Ridge limestone m	C1 unnamed Lower Cambrian limestone m C1a bioherms	C1 unnamed Lower Cambrian carbonates and clastics m	Csk Sekwi Formation m; carbonates and clastics (includes Backbone Formation in 106 F)
			H4 unnamed carbonates and clastics in Knorr Range		Hs Sheepbed Formation; shale
			H3 unnamed clastics and carbonates in Knorr Range		Hk Keele Formation; carbonates and clastics
			disconformity		disconformity
			Hr Raptan Group undivided		Hr2 Raptan Group; mudstone and limestone Hr1 Raptan Group; diamictite and iron formation Hr0 unnamed dolomite and quartzite angular unconformity
			disconformity?		disconformity
			H2 unnamed carbonates, shale and gypsum undivided		H2b unnamed dolomite, shale and gypsum H2a unnamed dolomite and limestone
			Hk Katherine Formation; sandstone and dolomite		Hk Katherine Formation; sandstone and dolomite
			Hz Tsezotene Formation; sandstone and dolomite (base not seen)		Hz Tsezotene Formation; sandstone and dolomite (base not seen)
Middle Devonian					
Lower Devonian					
Ordovician and Silurian					
Upper Cambrian and Ordovician					
Middle Cambrian					
Lower Cambrian					
Hadrynian					
Helikian					
Helikian and Thabebian					

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