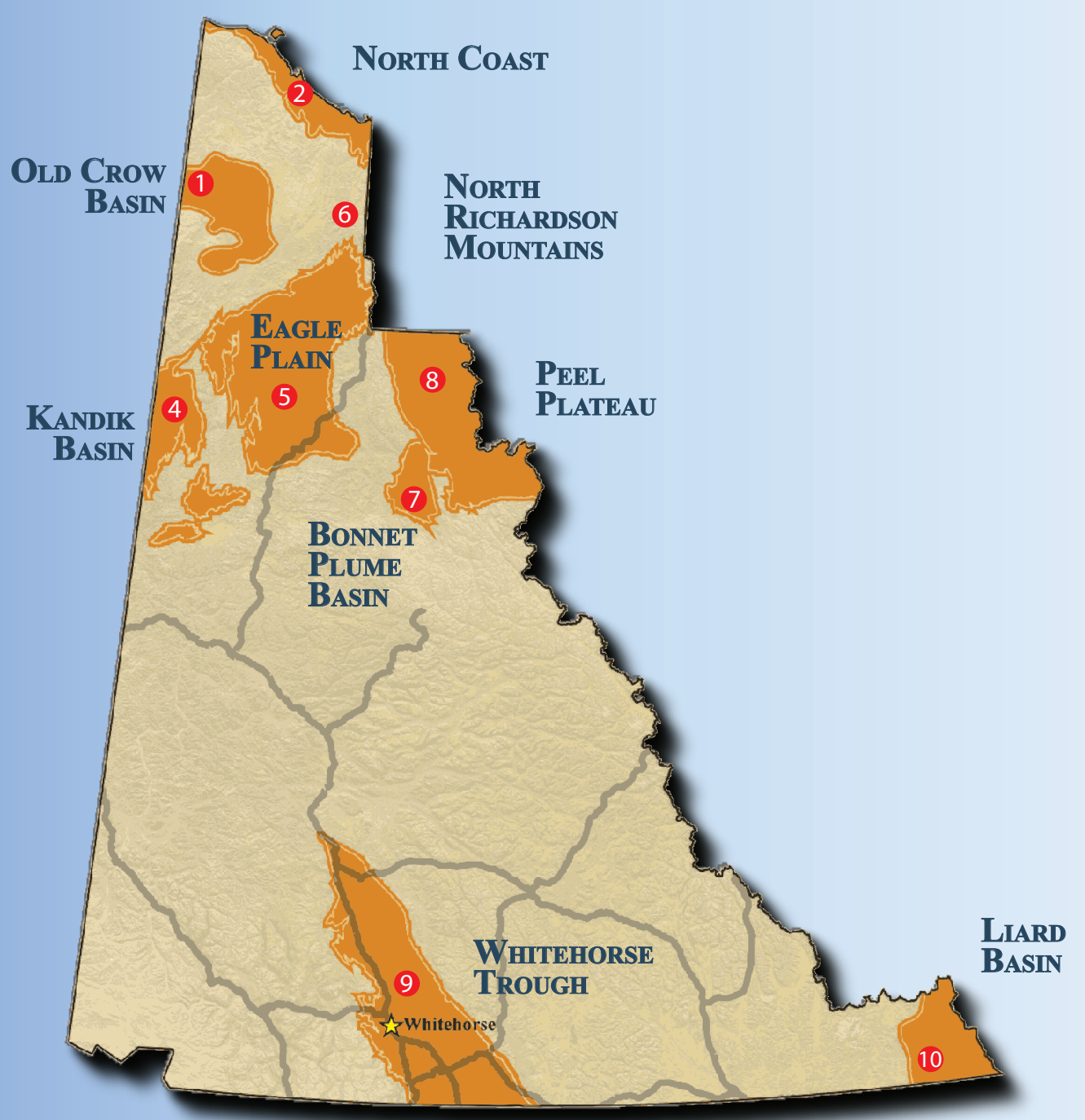


YUKON TABLE OF FORMATIONS

Era	Period	Epoch	Stage	Ma	1	2	3	4	5	6	7	8	9	10	11			
					Old Crow Basin	North Coast	Mackenzie Delta	Kandik Basin	Eagle Plain	N. Richardson Mountains	Bonnet Plume Basin	Peel Plateau	Whitehorse Trough	Liard Basin	Liard Plateau			
Cenozoic	Neogene	Holocene		0.01	ALLUVIUM	ALLUVIUM	SHALLOW BAY	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM	ALLUVIUM		
		Pleistocene		0.01-1.8			IPERK											
		Pliocene		1.8-5.3														
		Miocene		5.3-23.0														
		Oligocene		23.0-33.9														
	Paleogene	Eocene		33.9-55.8														
		Paleocene		55.8-65.5														
		Cretaceous	Maastrichtian		65.5-70.6													
			Upper		70.6-83.5													
			Santonian		83.5-85.8													
Coniacian			85.8-88.6															
Mesozoic	Cretaceous	Turonian		88.6-93.6														
		Upper		93.6-96.6														
		Albian		96.6-112														
		Lower		112-125														
		Aptian		125-130														
	Jurassic	Barremian		130-134														
		Upper		134-145														
		Hauterivian		145-151														
		Valanginian		151-156														
		Berriasian		156-161														
Triassic	Tithonian		161-165															
	Upper		165-168															
	Kimmeridgian		168-172															
	Oxfordian		172-176															
	Callovian		176-183															
Paleozoic	Permian	Bathonian		183-190														
		Middle		190-196														
		Upper		196-200														
		Rhaetian		200-216														
		Carnian		216-229														
	Carboniferous	Lopingian		229-237														
		Upper		237-246														
		Guadalupian		246-251														
		Middle		251-254														
		Lower		254-256														
Devonian	Wendoverian		256-266															
	Upper		266-268															
	Famennian		268-271															
	Givetian		271-276															
	Pragian		276-284															
Silurian	Lochkovian		284-295															
	Pridoli		295-303															
	Ludlow		303-312															
	Wenlock		312-318															
	Llandovery		318-328															
Cambrian	Upper		328-337															
	Middle		337-346															
	Lower		346-359															
	Florian		359-374															
	Tremadocian		374-411															
Precambrian			411-542															



- ### Lithologies
- shale (grey, craton-derived)
 - shale (black, organic-rich, siliceous)
 - shale, siltstone (green to buff, craton-derived)
 - chert (shallow water)
 - chert (deep water)
 - red beds (silty, argillaceous carbonate rocks and siltstones)
 - sandstone (craton-derived)
 - sandstone, siltstone (foredeep)
 - shale (foredeep)
 - conglomerate, sandstone and/or orange silty carbonate rocks
 - conglomeratic mudstone, diamictite, glacial drift, rift clastic rocks
 - limestone
 - dolomite
 - dolomite (diagenetic)
 - salt/anhydrite (evaporite)
 - quartz monzonite, granodiorite, granite
 - syenite, nephelinite, basanite
 - metamorphic (schist, paragneiss)
 - volcanogenic clastic rocks
 - tholeiitic volcanic rocks
 - alkaline volcanic rocks
 - gabbro, diabase, diorite

- ### Contacts
- conformable
 - unconformity/nonconformity
 - disconformity/condensed Section
 - depositional hiatus/no record
- ### Hydrocarbons
- gas discovery
 - gas show
 - oil discovery
 - oil show
 - source rock

- ### References
- Gradstein, F., Ogg, S., and Smith, A., 2004. A geologic time scale 2004. Cambridge University Press, Cambridge, UK, 589 pages.
 - Morrow, D.W., Jones, A.L., and Dixon, J., 2006. Infrastructure and resources of the northern Canadian mainland sedimentary basin. Geological Survey of Canada, Open File 5152, 63 pages.
 - Peel Plateau - Allen, T.L., Fraser, T. and Utting, J., 2009, personal communication.
 - Whitehorse Trough - Lowey, G. and Colpron, M., 2007, personal communication.
 - Liard Basin - Pigage, L.C., 2006. Stratigraphy summary for southeast Yukon (95D/8 and 95C/5). In: Yukon Exploration and Geology 2005. D.S. Emond, G.D. Bradshaw, L.L. Lewis and L.H. Weston (eds.), Yukon Geological Survey, pages 267-285.

Recommended Citation: Pigage, L., 2009. Yukon Table of Formations, v. 4.0. Yukon Geological Survey and Oil and Gas Resources Branch.

Contact Information

Oil and Gas Management Branch
 Dept of Energy, Mines, and Resources
 Government of Yukon
 Box 2703 (K-12)
 Whitehorse, Yukon, Y1A 2C6
 Phone: 867-667-3427
 Fax: 867-393-6262
 e-mail: oilandgas@gov.yk.ca
 website: www.yukonoilandgas.com

Yukon Geological Survey
 Dept of Energy, Mines, and Resources
 Government of Yukon
 Box 2703 (K-10)
 Whitehorse, Yukon, Y1A 2C6
 Phone: 867-667-8508
 Fax: 867-393-6232
 website: www.geology.gov.yk.ca

Sales Information

Geoscience and Information Sales
 Department of Energy, Mines and Resources
 Government of Yukon
 Box 2703 (K-102)
 Whitehorse, Yukon, Y1A 2C6
 Phone: 867-667-5200
 Fax: 867-667-8152
 e-mail: geosales@gov.yk.ca
 Free to download from our websites:
 www.yukonoilandgas.com or www.geology.gov.yk.ca

