

CORRELATION CHART OF UPPERMOST JURASSIC AND LOWER CRETACEOUS FORMATIONS OF NORTHWESTERN CANADA																		
SERIES	STANDARD STAGE	FOSSIL ZONES OF THE CANADIAN WESTERN INTERIOR REGION (Jeletzky, 1958)		AKLAVIK RANGE (This report)	PORCUPINE AND BELL RIVERS, NORTHERN RICHARDSON MOUNTAINS (McConnell, 1891)	DARNLEY BAY, N.W.T. (MacKay, unpublished)	MACKENZIE AND UPPER PEEL RIVERS (composite section; mainly after Hume, 1954)	LOWER PEEL RIVER (Mainly after Foley, 1944 and Gabrielse, 1957)	ELLEF RINGNES ISLAND (Heywood, 1957)	MOULD BAY, PRINCE PATRICK ISLAND (Mainly after Tozer, 1956)	NORTHERN ALASKA (Gryc et al, 1951, and Imlay, 1955)							
LOWER CRETACEOUS	ALBIAN	Neogastropilites zone	Neogastropilites mclearni	Unknown, probably present locally at least in part	Unknown but may be present, at least in part	Unknown but probably present locally	Sans Sault group and equivalents 900' - 2,100'	Absent locally	Unknown	Hassel formation, lower part	Nanushuk group, may include some Upper Cretaceous							
			Neogastropilites americanus															
			?															
			Neogastropilites cornutus															
			?															
		"Placenticeras" liardense																
		Gastropilites zone																
		Unnamed zone (or zones) without known index fossils																
		Lemuroceras or Beudanticeras affine	L. mcconnelli L. irenense L. indicum															
		Cleoniceras cf. subbaylei																
		Marine rocks unknown, possibly present in northwest part of the region, at least in part.																
	APTIAN	Unnamed zone without known index fossils		Upper sandstone division 500' - 600'	Upper sandstone division 4000'	?	?	Sandstone division 50' - 600'	Concretionary shale 800'	Christopher shale 1,540'	Torok formation 6,000' - 10,500'							
	BARREMIAN	Crioceras cf. remondi, etc.		Upper shale-siltstone division 1,500' - 1,750'	Upper member 500' - 550'	Dark shale, interbeds of clay ironstone 800'	Shales and sandstones	Quartzite and argillite 945'	Isachsen sandstone 3,000'	Unknown	Erosional interval							
		Oxyteuthis cf. jasikowi, etc			Lower member 1,000' - 1,200'													
	HAUTERIVIAN	Marine rocks unknown, probably absent		Lower sandstone division up to 650'	Overlap and erosional gap	Shale, shaly sandstone, quartzite; some conglomerate 2000'	Unknown, probably absent	?	Lowermost beds with Aucella cf. terebratuloides etc.	Deer Bay shale 500'	Okpikruak formation 2,400'							
		Aucella crassicolis, etc.																
	VALANGINIAN	Polyptychites (Polyptychites) ex gr. keyserlingi, etc.										White sandstone member up to 300'	?	?	?	?	?	?
		Polyptychites nov. sp. aff. P. latissimus and P. globulosus										Buff sandstone member 350' - 370'	?	?	?	?	?	?
	BERRIASIAN (Infravalanginian)	Polyptychites (Tollia) cf. tolli, Aucella volgensis etc.		Lower shale - siltstone division 1220' - 1270'	Upper member 130' - 140'	Lower member (Upper part) 230' - 235'	Unknown but may be present locally, at least in part	Not identified may be present in Stony Creek section	Landing Lake shale 130'	Mould Bay sandstone 400'	Erosional interval							
		Aucella okensis, etc.			Hiatus													
		?			Lower member (Lower part) 400' - 425'							Rocks like those of the lower member 460' - 470'	Kungak shale (upper part)					
	UPPER JURASSIC	UPPER TITHONIAN	Aucella fischeri - Aucella trigonoides, etc.		Lower shale - siltstone division 1220' - 1270'	Lower member (Lower part) 400' - 425'	Rocks like those of the lower member 460' - 470'	Kungak shale (upper part)										
Aucella piochii, etc.																		
UPPER JURASSIC	PORTLANDIAN s. str.	Aucella mosquensis, etc.		Lower shale - siltstone division 1220' - 1270'	Lower member (Lower part) 400' - 425'	Rocks like those of the lower member 460' - 470'	Kungak shale (upper part)											