	European stages (Arkell, 1946)	English formations (after Arkell, 1933)	Northwest Europe standard zones (Arkell, 1946, 1951)	Characteristic fossils in the western interior region	Characteristic fossils in east Greenland modified after Spath (1932, 1935, 1936)	Characteristic fossils in the Alaska Peninsula and Cook Inlet regions	Characteristic fossils in northern Alaska	Northern Alaska: Foothills of the Brooks Range: Kukpowruk River to Killik River	Okpikruak River to Siksikpuk River	Anaktuvuk River to Lupine River	West Fork Ivishak River to Shaviovik River	Canning River Foothills area	Ignek Valley from Red Hill to Katakturuk River	Sadlerochit River east of Ignek Valley	Arctic Coastal Plain: Test wells in Barrow and Simpson area	Topogoruk test well 1
								Lower Neocomian	Lower Neocomian	Lower Neocomian	Lower Neocomian	Middle Albian	Middle Albian	Middle Albian	Albian	Lower Neocomian
UPPER JURASSIC	Portlandian	Purbeck beds		Not known	Titanites?, Craspedites, and Laugeites	Aucella piochi	Absent	?	?	?	?	?				?
		Portland beds	Titanites giganteus		Not known											
			Kerberites okusensis													
			Glaucolithites gorei	Vetulonaia spp. and Gyraulus veternus	Crendonites											
			Zaraiskites albani		Epipallasiceras											
	Kimmeridgian	Kimmeridge clay	Pavlovia pallasioides		Not known	Aucella mosqueneis and Aucella rugosa	Aucella mosquensis and Aucella rugosa	Tiglukpuk formation	Tiglukpuk formation	Tiglukpuk formation	Present	Present				Present
			Pavlovia rotunda		Pallasiceras											
			Pectinatites pectinatus		Pectinatites											
			Subplanites wheatleyensis		Not known											
			Subplanites sp.													
			Gravesia gigas													
			Gravesia gravesiana													
			Aulacostephanus pseudomutabilis													
			Rasenia mutabilis		Amoebites: Hoplocardioceras decipiens	Amoeboceras; Aucella concentrica	Amoeboceras; Aucella concentrica							Not identified		
			Rasenia cymodoce		Amoebites: Euprionoceras kochi											
			Rasenia borealis		Amoebites: Rasenia borealis											
			Pictonia baylei		Amoebites: Rasenia orbignyi											
	Oxfordian	Corallian beds	Ringsteadia pseudocordata	Not known	Not known			?	?	?	Overlape older Jurassic	?				?
			Decipia decipiens		Amoeboceras (Prionodoceras) and Ringsteadia											
			Perisphinctes cautisnigrae													
			Perisphinctes plicatilis		Cardioceras aff. C. zenaidae											
	Callovian	Oxford clay	Cardioceras cordatum	Cardioceras spp.	Gryphaea nebrascensis: Cardioceras	Cardioceras distane	Not known				Kingak shale	Kingak shale				
			Quenstedtoceras mariae	Cardioceras cordiforme												
			Quenstedtoceras lamberti	Quenstedtoceras collieri		Cardioceras martini										
			Peltoceras athleta	Abeent	Not known											
			Erymnoceras coronatum			Pseudocadoceras	Reineckeia cf. R. stuebeli				Present locally	Present				
			Koemoceras jason			Kepplerites, Lilloettia, Oxycerites; Cadoceras	?									
		Kellaways beds	Sigaloceras calloviense	Kepplerites mclearni			Pseudocadoceras grewingki									
			Proplanulites koenigi	Kepplerites tychonis; Gowericeras subitum	Kepplerites tychonis	Paracadoceras, Gowericeras, Xenocephalites, Kheraiceras	Not known									
					Not known	Gulielmiceras										
		Cornbrash beds	Macrocephalites macrocephalus	Arcticoceras	Gryphaea impressimarginata: Arcticoceras	Not known	Arcticoceras							Present		
	Bathonian		Clydoniceras discus	Arctocephalitee			Not known									
		Great oolite	Clydoniceras hollandi		Arctocephalites											
			Oppelia aspidoides													
			Tulites subcontractus	?	?	?										
			Procerites progracilis	Not known	Cranocephalites	Cranocephalites										
MIDDLE JURASSIC		Inferior oolite	Zigzagiceras zigzag				Not known									
	Bajocian		Parkinsonia parkinsoni	?	?	?										
			Stephanoceras humphriesianum	Stemmatoceras	Gryphaea planoconvexa: Not known	Sphaeroceras; Sonniidae; Leptosphinctes; Kosmoceras; Stephanoceras										
			Otoites sauzei	Chondroceras and Stemmatoceras		Chondroceras; Normannites, Teloceras; Stemmatoceras; Emileia										
			Sonninia sowerbyi	Nonmarine												
			Ludwigia murchisonae			Tmetoceras	Tmetoceras, Erycites, and Pseudolioceras whiteavesi		Present locally		Present locally	Present		Present	Kingak shale	Present
			Lioceras opalinum						?							
	Toarcian	Upper Lias	Lytoceras jurense		Pseudolioceras	Pseudogramoceras	Pseudolioceras cf. P. lythense									
			Hildoceras bifrons		Dactylioceras		Dactylioceras spp. (Coarsely ribbed)									
			Harpoceras serpentinum		Preeent		Dactylioceras spp. (Finely ribbed)									
			Dactylioceras tenuicostatum													
	Pliensbachian	Middle Lias	Paltopleuroceras spinatum			Amaltheus ?, Deroceras, and Xipheroceras	Amaltheus spp.									
			Amaltheus margaritatus													
		Lower Lias	Prodactylioceras davoei		Beaniceras		?									
			Tragophylloceras ibex													
			Uptonia jamesoni		Uptonia jamesoni											
LOWER JURASSIC	Sinemurian		Echioceras raricostatum		Absent	Coroniceras and Arnioceras	Not known									
			Oxynoticeras oxynotum													
			Asteroceras obtusum													
			Arietites turneri													
			Arnioceras semicostatum													
			Coroniceras bucklandi				"Arietites" cf. "A". bucklandi									
	Hettangian		Scamnoceras angulatum			Wahneroceras ?	Not known									
			Psiloceras planorbis		Plants											
								Upper Triassic to Paleozoic	Upper Triassic	Upper Triassic	Upper Triassic	Upper Triassic	Upper Triassic	Upper Triassic	Upper Triassic	Upper Triassic

CORRELATION OF JURASSIC FORMATIONS OF NORTHERN ALASKA

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