

Tentative correlation of the Triassic rocks in various parts of Alaska

Age	Nizina Valley	Kotsina and Kuskulana valleys	White River	Cooper Pass	Upper Susitna Valley	East Fork of Chulitna River	West Fork of Chulitna River	Kenai Peninsula	West coast of Cook Inlet	Iliamna Lake	Alaska Peninsula	Kodiak Island	Gravina Island	Screen Islands	Keku Strait	Herring Bay, Admiralty Island	Juneau district	Yukon River near Nation River	Kantishna district	Firth River	Canning River	Noatak Valley	Cape Lisburne	Cape Thompson	St. Lawrence Island	Brooks Mountain, Seward Peninsula							
Upper Triassic.	Upper Noric.	McCarthy formation (shale and thin limestone with <i>Pseudomonotis subcircularis</i> ; much chert in lower 1,000 feet). 1,500 to 2,000 feet.	(Black shale with thin limestone). Contains <i>Pseudomonotis subcircularis</i> . 2,000 (?) feet.	Lava, tuff, and breccia with <i>Pseudomonotis</i> . Shale with <i>Pseudomonotis</i> . Underlain unconformably by Permian (?) limestone.	Thin-bedded limestone with <i>Pseudomonotis subcircularis</i> . Thickness and relations not known.	Slate, tuff, arkose, and calcareous beds with <i>Pseudomonotis subcircularis</i> . Many hundred feet.	Thin-bedded limestone and shale with <i>Pseudomonotis subcircularis</i> and <i>Heterastridium</i> .	Limestone with <i>Pseudomonotis subcircularis</i> near top and <i>Halobia</i> below. 1,000+ feet.	Calcareous shale and some chert. Contains <i>Pseudomonotis subcircularis</i> . 1,000 (?) feet.		Limestone and shale with <i>Pseudomonotis subcircularis</i> . 700+ feet.				Basaltic and andesitic lava, breccia, and tuff interbedded with cherty limestone with <i>Pseudomonotis subcircularis</i> . Basal conglomerate.	Limestone with <i>Pseudomonotis subcircularis</i> .		Calcareous shale and shaly limestone with <i>Pseudomonotis subcircularis</i> .		Limestone with <i>Pseudomonotis subcircularis</i> . Thickness and relations unknown.	Float with <i>Pseudomonotis subcircularis</i> . Derivation uncertain.	Float of cherty limestone with <i>Pseudomonotis subcircularis</i> . Derivation not known.	Shale, chert, and limestone with <i>Pseudomonotis subcircularis</i> . 1,000+ feet. Probably underlain by Carboniferous limestone.	Chert and limestone with <i>Pseudomonotis subcircularis</i> . 625 feet. Underlain by Carboniferous (?) limestone.	Float with <i>Pseudomonotis subcircularis</i> . Derivation uncertain.								
	Lower Noric.	Conformity (?)	Unconformity (?)					Contorted chert. Thickness unknown.	Massive chert with no fossils. 1,000 (?) feet.		Contorted chert with no fossils. Thickness not known.				Unconformity (?)	Chert and shale with no fossils. Position doubtful.		Conformity (?)															
	Karnic or Noric.	Nizina limestone (thin-bedded limestone). No fossils. 1,000 to 1,200 feet.	Thin-bedded limestone with some shale. Fauna similar to that of Chitstone limestone. 500 to 3,000 feet.					Tuff, limestone, shale, and lava with <i>Coscinella</i> (underlain unconformably by greenstone).		Limestone with <i>Halobia</i> . Thickness and relations not known.	Limestone with corals. Thickness several hundred feet.				Limestone of unknown position (underlain by Permian limestone).																		
	Karnic.	Chitstone limestone. (massive bluish-gray limestone). Contains <i>Halobia cf. H. superba</i> , <i>Tropites</i> , <i>Juvavites</i> , <i>Arcestes</i> , etc. 1,800 to 2,000 feet.	Chitstone limestone (massive limestone). 300 to 1,200 (?) feet.			Limestone with <i>Halobia cf. H. superba</i> , <i>Tropites</i> , etc. A few hundred feet.										Conglomerate limestone and sandstone with <i>Halobia cf. H. superba</i> , etc. Relation to <i>Dawsonites</i> -bearing beds not known.	Limestone with <i>Halobia cf. H. superba</i> , <i>Juvavites</i> , <i>Arcestes</i> , etc. 275 feet. Basal contact not seen.	Gastineau volcanic group (lower member). Slate containing <i>Halobia cf. H. superba</i> interbedded with andesitic lava and tuff.	Limestone and shale with <i>Halobia cf. H. superba</i> and <i>Chonetes</i> (?). Basal limestone bed with many brachiopods, nautiloids, and <i>Trachyceras cf. T. leonhi</i> . 300+ feet. Underlain by Permian (?) limestone.		Flaggy limestone with <i>Halobia cf. superba</i> . Thickness not known. Underlain by Permian (?) limestone.												
Middle Triassic.															Limestone float with <i>Spiriferis borealis</i> (?) and <i>Dawsonites canadense</i> (?)												Slate with <i>Ceraticeras</i> (<i>Gymnoceras</i>) and <i>Dawsonella</i> . Thickness and relations not known.						
Permian or Triassic.	Nikolai greenstone (basaltic lava). 4,000 to 5,000 feet. Base not exposed.	Nikolai greenstone (basaltic lava). 5,500(?) feet. Underlain by Carboniferous beds.			Basic lava and tuff. 3,500 feet. Probably underlain by Carboniferous (?) limestone.			Ellipsoidal lava. 3,000 feet. Underlain by slate and graywacke of unknown age.	Greenstone. Thickness and relations not known. Probably underlain by slate.	Greenstone (?)	Greenstone.	Ellipsoidal lava. Thickness unknown. Probably underlain by slate and graywacke.			Ellipsoidal lava. Relations to <i>Dawsonites</i> -bearing beds not known. Underlain by Permian (?) limestone.					Permian (?) limestone.													