TABLE OF FORMATIONS - CORNWALL ISLAND

System or Series	Formation and map-unit		Range in thickness: metres (feet)	Lithology
Recent	Alluvium	Qal	0-10? (0-30?)	Silt: clayey, sandy, unconsolidated; with sand and minor gravel.
Recent or Pleistocene	Marine deposits	Qm	0-30? (0-100?)	Clay: silty, sandy, unconsolidated; with silt, sand and minor gravel.
	Regional Unconformity			
Eocene and Paleocene	Eureka Sound Formation	Te	20? (65?)	Sandstone: yellow-buff to light grey; medium to coarse grained; unconsolidated to poorly consolidated; carbonaceous; clayey; silty.
	Regional Unconformity			
Lower Cretaceous	Christopher Formation	Kc	?	Shale: dark grey; slightly silty; yellow-buff concretions.
	Isachsen Formation	Ki	530+ to 900+ (1750+ to 3000+)	Sandstone: buff to light grey; fine- to coarse-grained; poorly cemented; partly ferruginous; partly carbonaceous; very minor coal; cross-stratified.
		Unconformity on eastern Cornwall Island		
Lower Cretaceous and Upper Jurassic	Deer Bay Formation	JKdu	0-115 (0 to 380)	Shale: dark grey; silty; sandy toward top; few tan-weathering concretions; absent in eastern Cornwall Island.
		JKd_{ss}	0-45 (0-150)	Sandstone: light buff; fine-grained; clayey beds; absent on eastern Cornwall Island.
		JKd_{ℓ}	0-210 (0 to 700)	Shale: dark grey; silty; sandy toward top; few tan-weathering concretions.
Upper Jurassic	Awingak Formation	Ja	160-570 (530-1880)	Sandstone: lower part is medium grey; very fine to fine-grained; clayey; parallel-bedded; grades upward to sandstone: light buff; medium- to coarse grained; pebble lenses; grades upward to sandstone: buff-grey; fine- to medium-grained; prominent intervals of red-brown sandstone: grades upward to sandstone: buff-grey; fine- to coarse-grained; cross-stratified; partly coaly.
		Unconformity (?) on eastern Cornwall Island.		
Upper (?) and Middle Jurassic	Savik Formation (upper mbr.)	Jsu	0-140 (0-460)	Shale: dark grey; silty; thin intervals of buff sandstone.
Lower Cretaceous (local radiometric age) and (?) older	Gabbro sills and dikes	g	1-30 (3-100)	Gabbro: dark green-grey; aphanitic to very coarse-crystalline; intrudes strata to level of Jsu.
	Intrusive contact			
Middle and Lower Jurassic	Jaeger Formation	Jj (Jjsh)	135-230 (450-750)	Sandstone: buff-grey; red-brown at base; fine- to very coarse-grained; pebble lenses at base; partly glauconitic; iron oolites in upper part; lenses of grey-green shale (Jjsh).
		Unconformity on eastern Cornwall Island		
Lower Jurassic	Borden Island Formation	Jb	0-65 (0-210)	Sandstone: buff and red-brown; fine- to very coarse grained; chert-granule and ferruginous lenses.
Lower Jurassic and Upper Triassic	Heiberg Formation (Upper member)	Tr Jhu	420-620 (1380-2050)	Sandstone: light buff; fine-grained; locally fine- to coarse-grained; local pebble lenses; partly cross-stratified; partly coaly.
Upper Triassic	Heiberg Formation (Lower member)	$Tr\ h_{\ell}$	350-600 (?1150-2000)	Sandstone: thin to very thick beds; buff-grey, medium brown, and grey-green; very fine to fine-grained; partly bioclastic; small ferruginous intraclasts. With thin to very thick beds of shale: dark grey to dark green-grey; silty; sandy laminations.
Upper and (?) Middle Triassic	(?) Blaa Mountain Formation	?Tr ba	450+ (1500+)	Shale: dark grey-green and dark grey; very silty; micaceous; thin to thick intervals of fine-grained, grey-green, parallel-laminated sandstone in lower part.
	Base of exposure			