















Appendix 1- Geology Map Legend

CRETACEOUS		<i>Sandstone; claystone; siltstone</i>
PERMIAN		<i>Sandstone; siltstone</i>
CAMBRIAN-ORDOVICIAN		<i>Limestone; siltstone; sandstone; basalt; conglomerate</i>
LATE-MIDDLE PROTEROZOIC		
Tolmer Group		<i>Sandstone; siltstone; dolomite</i>
Fitzmaurice Group		<i>Sandstone; siltstone; shale; dolomite; conglomerate</i>
MIDDLE PROTEROZOIC		
Katherine River Group	 	<i>Sandstone; minor limestone, siltstone and conglomerate</i> <i>Interbedded intermediate to basic volcanics</i>
EARLY PROTEROZOIC		
Oenpelli Dolerite		<i>Olivine dolerite and differentiates</i>
Edith River Group		<i>Acid and minor basic volcanics; pyroclastics; sandstone</i>
Granite		<i>Granite; adamellite; granodiorite</i>
El Sherana Group		<i>Greywacke; sandstone; siltstone; slate; pyroclastics; acid and basic volcanics</i>
Nimbuwah Complex		<i>Migmatite; granite; granodiorite</i>
Zamu Dolerite		<i>Dolerite and differentiates; amphibolite in the east</i>
Wangi Basics		<i>Metamorphosed gabbro, dolerite, anorthosite; diorite; meta-ultrabasic rocks</i>

Fog Bay Metamorphics	Ex	<i>Gneiss; minor schist; amphibolite</i>
Hermit Creek Metamorphics	Exh	<i>Semi pelitic gneiss; migmatite; schist; amphibolite</i>
Welltree Metamorphics	Exw	<i>Biotite gneiss; quartz-mica schist; amphibolite; marble; calc-silicate gneiss</i>
Nourlangie Schist	Es	<i>Quartz schist</i>
Myra Falls Metamorphics	Exm	<i>Pelitic schist; lit-par-lit gneiss</i>
Finniss River Group	Ef	<i>Siltstone; sandstone; greywacke; acid to intermediate lavas</i>
South Alligator Group		<i>Carbonaceous and ferruginous shale with chert bands; carbonate; tuff; banded iron formation</i>
Mount Partridge Group	Ep	<i>Sandstone; siltstone; shale; dolomite; quartzite; conglomerate; schist and gneiss mainly in the east</i>
Cahill Formation	Ec	<i>Schist, gneiss, quartzite; carbonaceous with carbonate and calc-silicate gneiss in the lower part</i>
Namoona Group	En	<i>Calcareous and carbonaceous shale; sandstone; limestone; dolomite; arkose; conglomerate; schist and marble in the east</i>
Kakadu Group	Ek	<i>Leucogneiss; quartzite; schist</i>

ARCHAEAN

Dirty Water Metamorphics	APd	<i>Schist; graphitic schist; gneiss; meta-arkose; dolomite; banded iron formation</i>
Nanambu Complex	APn	<i>Leucogranite; migmatite; gneiss; granite; schist</i>
Rum Jungle Complex	Ar	<i>Granite; gneiss; schist; metasediments</i>
Waterhouse Complex	Aw	<i>Granite; gneiss; amphibolite; migmatite, metasediments</i>