

Table 1 Lithostratigraphy of Limbunya Group in LIMBUNYA (After Cutovinos *et al.*, 2002)

UNIT, (MAP SYMBOL), TYPICAL THICKNESS	LITHOLOGY	DEPOSITIONAL ENVIRONMENT	STRATIGRAPHIC RELATIONS
Killaloc Formation (Ehk) 104 m	Dolostone, dolarenite stromatolitic dolostone, dololutite, dolomitic siltstone; minor sandstone	Marine/lagoonal	Unconformable with overlying Wickham Formation ;conformable on Fraynes Formation
Fraynes Formation (Ehf) 165 m	Laminated dolomitic siltstone and mudstone; minor silty dolostone, dolostone, tuffite, siltstone and very fine sandstone	Low-energy, nearshore shallow marine	Conformable on Campbell Springs Dolostone
Campbell Springs Dolostone (Ebb) 160 m	Stromatolitic dolostone; minor dolarenite, dolorudite and dolosiltite; rare tuffite	Shallow to very shallow marine, reworked by waves and currents; some storm deposits	Conformable on Blue Hole Formation
Blue Hole Formation (Ehl) maximum 330 m	Dolomitic mudstone, stromatolitic mudstone, dolostone, mudstone, siltstone; minor tuffite, dolarenite, sandstone and shale	Shallow marine with periods of low-energy deeper marine	Conformable on Farquharson Sandstone
Farquharson Sandstone (Eha) 40-110 m	Fine sublitharenite and quartz arenite, dolomitic siltstone; minor dolostone and mudstone	Shallow marine/fluviial with periods of subaerial exposure	Conformable on Kunja Siltstone
Kunja - Siltstone (Ehj) 60-65 m	Green and grey mudstone and siltstone (some dolomitic), carbonaceous in lower intervals; rare dolostone and tuffite	Low-energy shallow marine, below wave base	Conformable on Mallabah Dolostone
Mallabah Dolostone (Ehm) 10-100 m	Laminated to thinly bedded dololutite, dolarenite and shale, stromatolitic dolostone; minor carbonaceous mudstone; rare silty dolostone	Storm-influenced, shallow marine with periods of low-energy deeper marine, below wave base	Conformable on Amos Knob Formation
Amos Knob Formation (Eho) 40-50 m	Stromatolitic dolostone, dolarenite, mudstone, siltstone and shale	Low-energy shallow marine; upper levels higher energy, shallow marine	Conformable on Pear Tree Dolostone
Pear Tree Dolostone (Ehp) 75-92 m	Dolarenite, dolorudite, dololutite, stromatolitic dolostone, dolomitic mudstone and oolitic dolostone; minor carbonaceous mudstone	Storm-influenced shallow to very shallow marine	Conformable on Margery Formation
Margery Formation (Ehr) 116-125 m	Stromatolitic dolostone (silicified), dolarenite, dololutite, siltstone, sandstone and claystone	Shallow marine to intertidal, basal part terrestrial	Conformable on Stirling Sandstone
Stirling Sandstone (Ehs) 120 m	Quartzarenite, dolomitic sandstone, conglomerate, minor clay laminations	Shallow marine with periods of subaerial exposure, syntectonic	Unconformably overlies basement of Inverway Metamorphics