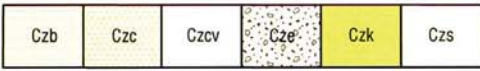
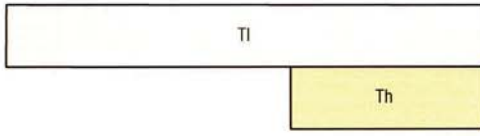


Qa *Alluvial sand, silt, clay and gravel in channels and on floodplains*



Czb *Grey clay and silt forming black soil plains*  
 Czc *Sand, gravel and sedimentary breccia, mainly colluvial, forming scree slopes and fans flanking ridges*  
 Czcw *Sand, gravel, silt and clay: alluvial and colluvial; poorly consolidated, forming dissected low-lying terrain*  
 Cze *Rubble veneer on bedrock: residual and colluvial*  
 Czk *Calcrete*  
 Czs *Sand and silt, mainly aeolian and sheet-wash deposits*



Tl *Ferricrete and ferruginous pisolitic gravel ('laterite') cappings*  
 Th *Bleached bedded soft sediments; minor chalcedony, calcrete*

QUATERNARY

MIOCENE TO QUATERNARY

PALAEOGENE

CAINOZOIC

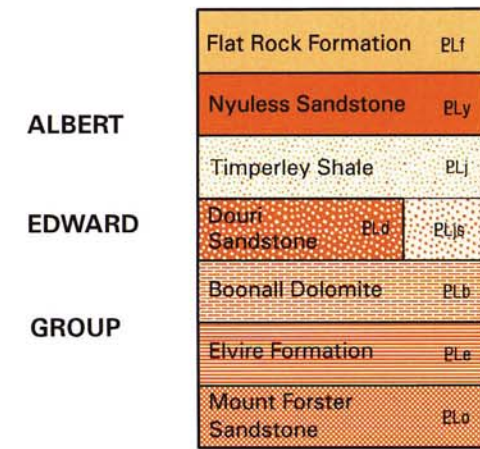
**HALLS CREEK OROGEN  
EASTERN ZONE**

**ALICE SPRINGS OROGENY c. 300 Ma**

**KING LEOPOLD OROGENY c. 560 Ma**

PALAEOZOIC

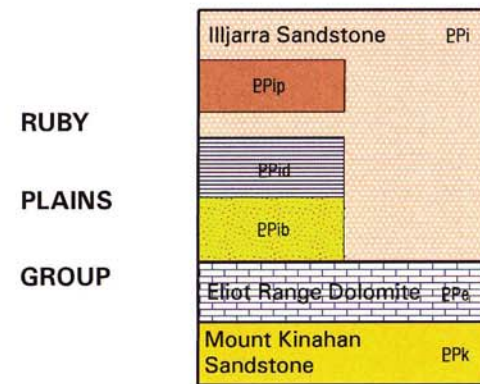
**WOLFE BASIN**



ELf *Greywacke, lithic sandstone, siltstone, mudstone; minor conglomerate, calcareous beds*  
 ELy *Quartz sandstone, lithic sandstone; minor siltstone, calcareous sandstone, conglomerate*  
 ELj *Grey and grey-green shale and siltstone; micaceous, locally calcareous*  
 ELjs *Quartz sandstone, calcareous sandstone, siltstone*  
 ELd *Lithic sandstone, micaceous siltstone, shale; minor dolomitic beds*  
 ELb *Dolomitic mudstone and sandstone; minor limestone*  
 ELe *Maroon and grey siltstone; minor thin beds of quartz sandstone and dolomitic siltstone*  
 ELo *Quartz sandstone, lithic sandstone; minor conglomerate*



PEo *Siltstone, mudstone, greywacke, lithic sandstone*  
 PEoj *Lithic sandstone*  
 PEem *Tillite*  
 PEml *Finely laminated mudstone and siltstone (varves?)*  
 PEr *Quartz sandstone, lithic sandstone, conglomerate*



EPI *Lithic sandstone; minor siltstone; rare dolomitic mudstone*  
 EPIp *Shale, siltstone, mudstone, sandstone*  
 EPIid *Dolomitic and nondolomitic sandstone, siltstone and mudstone*  
 EPIb *Quartz sandstone; minor lithic sandstone*  
 EPE *Dolomitic mudstone, siltstone, sandstone and breccia; stromatolitic dolomite; minor chert*  
 EPK *Quartz sandstone*

**YAMPI OROGENY c. 1200 Ma**

**BIRRINDUDU BASIN**



EYg *Quartz sandstone*

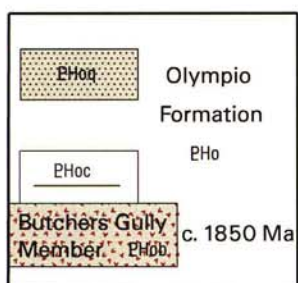


Eg *Leucocratic medium-grained granite*

**HALLS CREEK OROGENY c. 1835 Ma**



Edw *Metadolerite, amphibolite*



**HALLS**

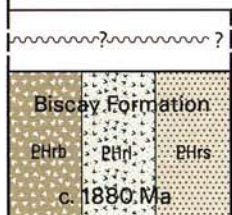
EHO *Metamorphosed (low to medium-grade) mudstone, siltstone, greywacke, quartz wacke and arkose: turbiditic, commonly schistose*

EHOq *Metamorphosed quartz sandstone; minor siltstone and greywacke: turbiditic*

EHOc *Metamorphosed chert, locally ferruginous*

**CREEK**

EHOob *Metamorphosed andesitic to trachytic volcanic and volcanoclastic rocks with carbonate-rich matrix; minor ferruginous chert*



**GROUP**

EHRb *Metamorphosed basaltic volcanic and volcanoclastic rocks; minor pelitic interbeds, carbonate and chert lenses; thin metadolerite sills*

EHRi *Metamorphosed thinly interlayered basaltic volcanic and volcanoclastic rocks, and pelitic schist; minor thin metadolerite sills, carbonate lenses*

EHRs *Metamorphosed interbedded sandstone, siltstone and shale; commonly schistose*

NEOPROTEROZOIC

MESOPROTEROZOIC

PALAEOPROTEROZOIC