L _p cb	Ε
Lacustrine unit	

Lacustrine clay and silt with gilgai (crabhole) surface in claypans; generally vegetated

Eolian unit

LpCb

E

Unassigned

QUATERNARY

PALEOGENE to NEOGENE

CARBONIFEROUS -PERMIAN

CAMBRIAN

c. 523 Ma

PALAEOZOIC

NEOPROTEROZOIC

MESOPROTEROZOIC

CAINOZOIC

PHANEROZOIC

Eolian sand, typically adjacent to hilly areas of bedrock; no dunes

C1	Clai W1 JHft	
Alc	Alb Alt Alico Alfi Alico	
0		

Rigo	Ritpa	
0 - 11		

Colluvial units

W1f

A1_c

Alb

A1f

A1i

C1	Colluvium sand, silt, and gravel in outwash fans; scree and talus; proximal mass-wasting deposits; unconsolidated
C1q	Colluvial quartz debris in sand, silt, and clay; derived from proximal mass-wasting of quartz veins

Low-aradient slope units W1

Silt, sand, and pebbles in distal sheetwash fans; no defined drainage

Ferruginous sheetwash deposits; silt, sand, and ferruginous nodules in distal outwash fans

- Alluvial units
 - Sand, silt, and gravel in active drainage channels; includes clay, silt, and sand in poorly defined drainage courses on floodplains
 - Sand, silt, and gravel in the beds of major active drainage channels
 - Floodplain deposits; sand, silt, and gravel adjacent to main drainage channels
- AlfCh Sand, silt, and clay on floodplains, with gilgai surface in areas of expansive clay
 - Mixed floodplain deposits; sand, silt, and clay adjacent to main drainage channels; numerous small claypans
- Pebbly silt and sand on alluvial fans A1_v

Residual or relict units

Residual quartzofeldspathic sand, with quartz and rock fragments; overlying and derived from granitic rock R1gpg

R1tpa Residual boulders, cobbles, and pebbles in clay, silt, and sand; includes locally transported material; derived from fluvioglacial PATERSON FORMATION

	0.0		
C2	C2fo	A2t A2k	R2k
	0.0.0.0.0.0		

Colluvial units C2

C2f

A2t

A2k

R2k

Partly consolidated colluvial sand, silt, and gravel in proximal outwash fans; scree and talus; dissected by present-day drainage

- Ferruginous colluvium; consolidated sand, silt, clay, and rock fragments in proximal outwash fans and scree; dissected by present-day drainage Alluvial units
 - Consolidated alluvial gravel, sand, and silt, local carbonate cement; dissected by present-day drainage
 - Alluvial or lacustrine calcrete; massive, nodular, and cavernous limestone, variably silicified; probably includes units of similar ages to OAKOVER and MILLSTREAM FORMATIONS

Residual or relict unit

Residual calcrete:	: massive, nodula	r. and cavernous	limestone: varia	bly silicified: mo	iv be of	f similar aae to	OAKOVER FORMATION
	,	.,			.,		

Noa-ktzl	Noo-ktpl	СЗ

OAKOVER FORMATION



Noa-ktpl Colluvial unit

Noa-ktzl

С3

Consolidated colluvial sand, silt, and gravel related to old land surface; dissected by present-day drainage

R3CbVb R3_rf

Residual or relict units

CPpa-sgpg

€od



Residual and sheetwash clay and silt overlying basalt or dolerite; expansive clay with gilgai surface; locally underlies OAKOVER FORMATION Ferruginous duricrust; includes massive, pisolitic, and nodular ferricrete; locally underlies OAKOVER FORMATION



PATERSON FORMATION: diamictite, mudstone, siltstone, sandstone, and conglomerate; fluvioglacial deposits

Interbedded poorly sorted granule and pebble polymictic conglomerate and coarse- to medium-grained lithic and quartz sandstone

Shale, ferruginous shale, and manganiferous shale; local thinly interbedded siltstone and sandstone

Interbedded fine- to coarse-grained sandstone and siltstone; local micaceous siltstone



Round Hummock Dolerite Suite

Unassigned

Bangemall Supergroup Manganese Group Dolerite or granophyric dolerite sill or dyke, fine to medium grained





PMN-sl

EMN-sgp

PMN-sgp

PMN-sh

PMN-ss

Dolerite dyke, fine to medium grained Gabbro dyke









ANNING BASIN

PROTEROZOIC



PILBARA CRATON

