	Γ		L <sub>p</sub> c Ed								
			Lacustrine unit       Lpc       Lacustrine deposits; clay, silt, and silty sand; playa (saline) and claypan (freshwater) deposits         Eolian unit       Ed       Eolian sand, typically adjacent to hilly areas of bedrock; no dunes								
			C1 Ciq W1 Wigpg								
			Alb Alc Alt Alicovo Ali								
	RNARY		St Rtgpg								
	QUATER		Colluvial units, third generation         C1       Colluvial 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; unconsolidated         Sheetwash units, second generation								
			W1       Silt, sand, and pebbles in distal sheetwash fans; no defined drainage; unconsolidated         W1gpg       Quartzofeldspathic sand and quartz pebbles in sheetwash fans; derived from mass-wasting of granitic rocks; uncons         Alluvial units, third generation       1         M1       Sand cilt and crowel in the beds of major active drainage chappels; unconsolidated	olidated							
			Alb Sand, slit, and gravel in the beas of major active drainage channels; unconsolidated     Afc Sand, slit, and gravel in active drainage channels; includes clay, slit, and sand in poorly defined drainage courses     on floodplains; unconsolidated     Afr Floodplain deposits; sand, slit, clay, and gravel adjacent to main drainage channels; unconsolidated     Clay and beastile active deposite gravel adjacent active adjacent is made a floodplain active adjacent formation and the standard form								
OZOIC			Alrcbvb     Clay, stit, sand, and basalitic of odientic gravel on noodplains; gligal surface in areas of expansive clay; derived from     ferromagnesian parent rock; unconsolidated     Afi     Mixed floodplain deposits; sand, silt, and clay adjacent to main drainage channels; numerous small claypans; uncon     Sandplain unit, second generation	solidated							
CEN			S1         Sandplain deposits; sand of mixed residual, sheetwash, and eolian origin; unconsolidated           Residual or relict unit, third generation         Rigpg         Residual quartzofeldspathic sand, with quartz and rock fragments; overlying and derived from mass-wasting of granitic rocks; unconsolidated								
			C2 C2f C2gpg A2dk A2k R2k								
			Colluvial units, second generation         C2       Partly consolidated colluvial sand, silt, and gravel in proximal outwash fans; scree and talus; dissected by present-di         C2       Ferruginous colluvium; consolidated sand, silt, clay, and rock fragments in proximal outwash fans and scree; dissect	ay drainage ed							
			C2gpg Variably consolidated quartzofeldspathic sand, silt, clay, and rock fragments derived from granitic rocks; dissected b present-day drainage Alluvial units, second generation	у							
			A2dk       Consolidated alluvial gravel, sand, and silt; local carbonate cement; dissected by present-day drainage         A2k       Alluvial or lacustrine calcrete; massive, nodular, and cavernous limestone; variably silicified; dissected by present-day         Residual or relict unit, second generation       Participation         Participation       Participation	ıy drainage							
			ROBE PISOLITE: pisolitic limonite, goethite, and hematite deposits; developed along paleodrainage lines; dissected by present-day drainage								
	SENE-NEC		R3f								
	PALEOC		Residual or relict unit, first generation         R3f       Ferruginous duricrust and ferruginous colluvium; locally includes ferruginous alluvium; consolidated to partly consolidated to partly consolidated to partly consolidated to partly consolidated to the partly consolidated to partly consolidate	dated;							
					zq	od	/				
					zq od	Quartz vein or pod; mas Dolerite dykes, sills, or p	ssive, crystalline, or brecc plugs; fine- to medium-gra	iated; age uncertain ained dolerite; age uncer	tain		
				c. 755 Ma <sup>1</sup>	EMW-od PMW-od	Mundine Well Dolerite	Suite: dolerite dykes, si	ls, and small intrusions	with locally abundant xer	noliths and potassic altera	ati
					PRH-od	wallrocks; includes r Round Hummock Dole	minor quartz diorite, syen erite Suite: dolerite dyke	ite, tonalite, and biotite r , fine to medium grained	nonzogranite		
				c. 2772 Ma <sup>2</sup>	ABL-od	Black Range Doler	ite Suite: dolerite dyke; I	ocal gabbro; weakly me	amorphosed		
						ASR-gm	ASR-gnl	ASR-gp			
					ASR-g	ASRgi-gmp	ASRmi-gmp			4	
						ASRnu-gmp	ASRnu-g	ASRnu-gma	ASRnu-gmi		
				srsuite		ASRpo-gmv		<b>3</b>			
				2890-2830 Ma 40 50 50 50 50 50 50 50 50 50 50 50 50 50	ASR-g ASR-gm ASR-gnl ASR gn	Undivided granitic rocks Biotite and muscovit Seriate to porphyritic Dogmatite	s including monzogranite, tebiotite monzogranite; m c biotite leucogranite; ma	syenogranite, and pegn assive to weakly foliated; ssive to weakly foliated;	natite I; forms pods and larger I metamorphosed	bodies in MOTHERIN MO	1C
				Spli	ASR-gp ASRgi-gmp ASRmi-gmp	GILLAM MONZOGF to weakly foliated MINNAMONICA MC	RANITE: weakly feldspar d; weakly metamorphose DNZOGRANITE: quartz;	-porphyritic biotite(–mus d and K-feldspar porphyrit	covite) monzogranite; lo c muscovite(–biotite) mo	cally with magnetite pher nzogranite; fine to coarse	9 (
					ASRnu-gmp ASRnu-g	NUMBANA MONZO local flow-aligned Granitic dyke	d DGRANITE: medium- to d d feldspar phenocrysts; id	oarse-grained feldspar( cal garnet-bearing pegr	-quartz) porphyritic monz natite and granite dykes	zogranite; massive to wea	зk
					ASRnu-gmi ASRnu-gmi ASRnu-gmpv ASRnu-gnpv	Porphyritic to eq Biotitemuscovite Porphyritic to eq Porphyritic to eq	uigranular monzogranite, inite to uigranular monzogranite, g(garnet) leucogranite with uigranular muscovite-bio	with greenstone and/or a xenoliths and rafts of P tite monzogranite; weak	granodiorite xenoliths INCUNAH MONZOGRA ly foliated; locally garnet	NITE and banded granite bearing; locally abundan	e e e
			North Pilbara Orogeny (2950–2930 Ma)		ASRpo-gmv	POOCATCHE MON pegmatite	IZOGRANITE: muscovite	e-biotite monzogranite; s	seriate to porphyritic; mas	ssive to weakly foliated; I	эс Т
					ASTab-mgm	ASTch-mgm	ASTpi-gmp	AST-gm	AST-gmop	AST-gml	Ì
					ÂSŢ-ōd			ASJUg-gmpi × × × × × × × × ×	ASTug-xgmp-gp	AS I ug-xgmp-mgg * .	1
				2933-2927 Ma	ASTab-mgm ASTwo-gm	ABYDOS MONZOGRA WOODSTOCK MONZO abundant pegmatite	NITE: feldspar(–quartz)   DGRANITE: biotite monze and granodiorite dykes;	porphyritic, biotitetitanite ogranite; equigranular to nagnetite-bearing leuco	metamonzogranite; mod feldspar-porphyritic; wea granite pods	lerate to strong foliation akly to moderately foliated	j;
				ters Supersu	ASTpi-gmp AST-gm	PINCUNAH MONZOGH characteristic pheno Biotite monzogranite; se weakly metamorpho	RANITE: feldspar(-quart: cryst alignment; minor pe eriate to K-feldspar porph used	c) porphyritic, (hornblence igmatite and leucogranit yritic; fine to medium granite in the second second second second second yritic; fine to medium granite in the second second second second second second second second second second sec	e-)biotite monzogranite; e ined; massive to weakly	weakly to moderately fol foliated; local strong flow	1-2
		Groud	ACDm-xs-fdp MALLINA FORMATION Siliciclastic sedimentary rocks containing layers of porphyritic dacite; metamorphosed	ž.	ASI-gmap AST-gml AST-xgmp-mgn ASTmi-xo-a	Micromonzogranite dyke Leucocratic biotite monz Sheets of porphyritic mo MILLINDINNA INTRUS	es; phenocrysts of quartz zogranite; massive to wea onzogranite in granitic gn SION: gabbro, pyroxenite,	and reidspar; silicitied a akly foliated; weakly met eiss and peridotite; metamou	nd weakly recrystallized amorphosed phosed		
	3022–3016 Ma	Supergrou	AGCe-ca AGCe-xmc-md AGCe-ci	с. 2952 ма с. 2938 Ма	ASTug-gmp	granite dykes MUNGARINYA MONZO flow alignment of ph	OGRANITE: feldspar(-qu enocrysts and schlieren;	artz) porphyritic biotite r locally ghost banded; w	nonzogranite; massive to eakly metamorphosed	o weakly foliated; locally v	ve
		De Grey orge Creek	AGCe-xmc-md Metachert and metamorphosed siliciclastic rocks AGCe-ci Banded iron-formation and ferruginous chert; local banded quartz-magnetite-grunerite rock; metamorphosed		Astug-gmpi Astug-xgmp-gp Astug-xgmp-mgg Astug-xgmpi-mgg	Feldspar(quartz) por Feldspar(quartz) por Porphyritic monzogr Porphyritic monzogr	rphyritic biotite monzogra ranite and pegmatite intru ranite and pegmatite intru	nite; locally abundant pe ding metagranodiorite (S ding metagranodiorite (S	gmatite and leucogranite SIFFLEETES GRANODIO	e of the NUMBANA MON ORITE) ORITE) with abundant gr	Z(
		6	EADDEL OLIADT7ITE: quartz candidana and quartzita: locally fuchsitic:	L	AJ1-00	porente, metamorphose	-u				
			AGCf-stq minor conglomerate and chert; metamorphosed								
			AGCf-stq AGC	Supersuite	AEH-mggn	AEH-jmggn-mw					

AmuP

Meta-ultramafic volcanic rocks



AWAt-mod

AWAt-xci-mws

Metadolerite

Banded iron-formation and interleaved mafic or ultramafic schist

ACEsf-mgg antitic gneiss (Callina Supersuite) phyritic monzogranite, and greenstone; neiss xenoliths granite; fine to medium grained; foliated ccally common amphibolite and diorite xenoliths; moderately to		SOANESVILLE BASIN	
Pagranodiorite: moderately to strongly foliated antic veins and local white leucogranite enotitits weakly porphyritic; weakly metamorphosed notiorite, gneiss, and pegmatite: moderately to strongly foliated: bearing metamorogranite and pegmatite: strongly foliated enotitite	ACEAF mogu artitle greats (Callina Supersulte) phylice nonzogranulte, and greenstones: neiss senoliths: granite. (fine to modum grained foliated cally common amphibolite and don'te senoliths: moderately to and don'te senoliths: moderately to strong machino.com senoliths: targranodicrite: moderately to strongly foliated antici veites and local white leucogranite enclish: weakly porphylit:: weakly metamorphosed notionic granites and pogmatite: strongly foliated antici veites and local white leucogranite enclish:	East Pilbara Terrane	PILBARA CRATON