# MFG PTY LTD

ACN 110 024 000

# Annual Report for EPM 15047

11 December 2011 - 10 December 2012

**AUTHOR:** Anita Lee (AMETS)

COMMODITIES: All

MAP SHEETS: 1:250,000

Atherton (SE5505)

1:100,000

Chillagoe (7863) Mungana (7763)

GEOGRAPHIC COORDS: 17° 1'S 144° 27'E

DATE: December 2012

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Appendix A Geological Legend

### 1.0 Summary

EPM 15047, which is situated approximately 137 kilometers west from Cairns, is accessed via sealed and unsealed roads. Tenure was initially granted on the 11th of December 2007 for a period of 5 years.

No work was done on the tenement during the reporting year of 2011 - 2012.

The work program and expenditure on the EPMs did not meet the DME requirements. The work program outlined in the grant document stated that the company would be undertaking reconnaissance, however the company has not met its planned work program for the year.

#### 2.0 Introduction

EPM 15047 was initially granted on 11 December 2007 and comprised 36 sub-blocks. The current tenure stands at 36 sub-blocks in the Hodgkinson Basin.

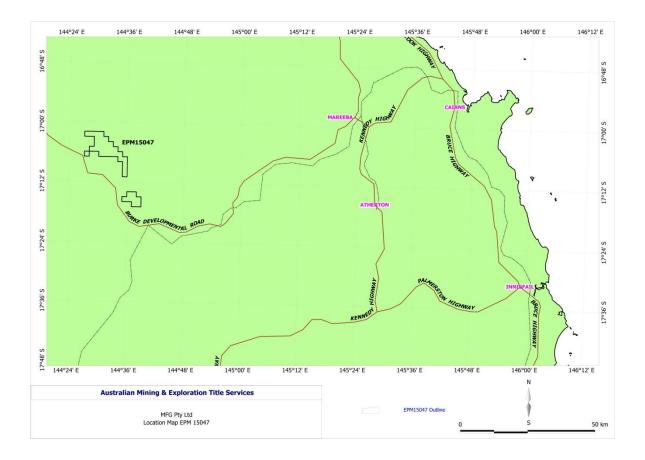


Figure One. EPM 15047

### 2.1 Location and Access

EPM15047 is located on Cape York Peninsula in North Queensland (See Figure One). The EPM is located approximately 137 kilometers west from Cairns and 4 kilometers north of Chillagoe township. Access to the EPM is via the sealed Burke Development Road and local roads via Chillagoe.

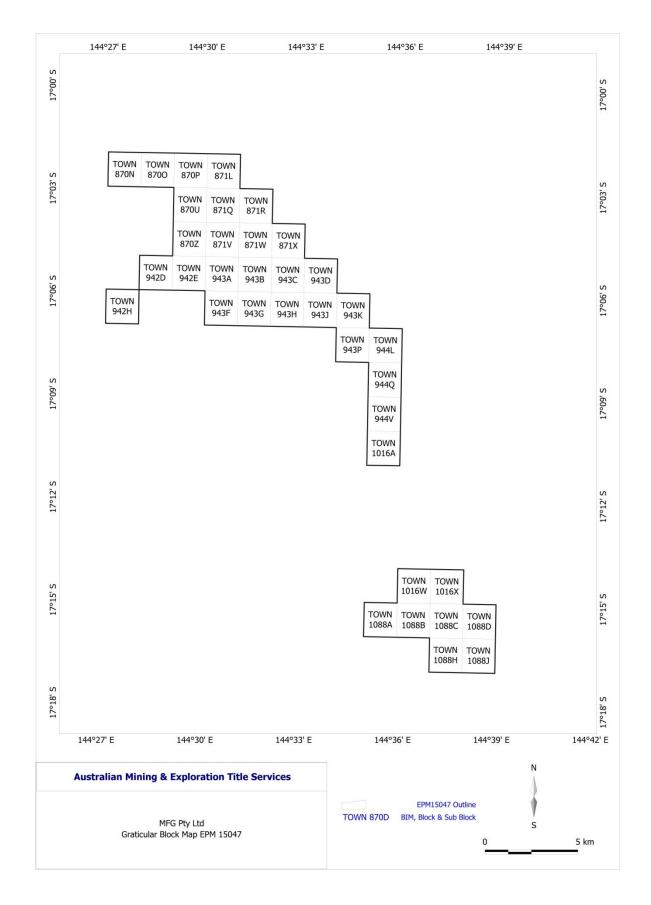


Figure Two. Block map of EPM15047

#### 2.2 Climate, Vegetation & Topography

The climate of the area is monsoonal. 85% of the annual rainfall (generally 1480mm) occurs between November and April. The average maximum daily temperatures range from approximately 18°C in July to 35°C in January, the 'wet season' and may be up to 10 degrees cooler during the 'dry season'. Wet season access to the tenement is difficult given road conditions after heavy rainfall.

Vegetation is typically an open eucalypt woodland with a speargrass groundcover apart from a few rainforest filled gullies, creeks and river areas.

The topography of the EPM consists of low hills with predominantly flat lying terrain.

### 2.3 Relevant Maps

Relevant maps for EPM 15047 include: -

1:250,000 Atherton (SE5505)

1:100,000 Chillagoe (7863) Mungana (7763)

Figure 2 displays the sub blocks and layout of EPM 15047. There are 36 sub blocks in total.

## 2.4 Compliance

The Company has not complied with the expenditure commitments and the planned work programs laid out in the application document. Expenditure for this reporting period is therefore, nil.

### 3.0 Geology

The tenement lies just on the eastern side of the Palmerville Fault, a major fault system in north Queensland which separates Proterozoic metamorphics on the west from mid-Paleozoic sediments and volcanics of the Hodgkinson Basin to the east. Carboniferous to Permian igneous rocks intrude both sequences and are accompanied, especially in the case of the Permian, by co-magmatic terrestrial, felsic-dominated volcanics.

The faulted contac thas a complex history of development that includes major thrusting events during the Late Devonian to Early Carboniferous. Permo-Carboniferous terrestrial felsic-dominant volcanics and granitoids are regionally extensive, and there are isolated remnants of Mesozoic sedimentary rocks in the region.

Regionally there is a wide diversity of commodities and mineralisation styles. Most of the mineralisation in the district appears to have a genetic link with Permo-Carboniferous magmatism, with many of the deposits showing multi-episode activation and reactivation, as at Red Dome and Mungana.

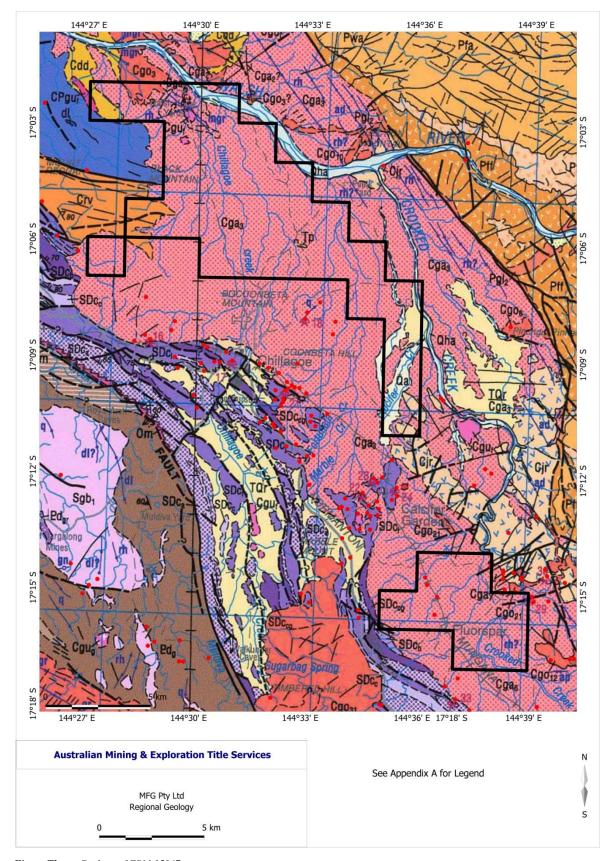


Figure Three: Geology of EPM 15047

## 4.0 Work Completed on EPM 15047

During the 2011 - 2012 reporting period, there has been nil exploration undertaken.

## 5.0 Future Work

Exploration planned includes an extensive review of existing literature and maps of the lease, followed by ground-truthing the area.

### 6.0 References

Georgees, C., 2009 Kagara Limited 'Big Bend' EPM14602

Chillagoe, Qld. Relinquishment Report to 6th April 2009. July 2009. QDEX CR

57904

Georgees, C., & Milne, A., 2005 Kagara Pty Ltd EPM 10387 'Red Dome'

Chillagoe, QLD. Annual Report for 12 Months to 15th March 2005. December

2005. QDEX CR 40121

Georgees, C., & Nethery, J., 1997 Niugini Mining Limited. EPM 10386 &

10387. Chilllagoe Region, North Queensland. Second Annual Report on exploration to March 1997 QDEX CR

29539

## Appendix A

## Geological Record

			QUATER					Dark grey, welded to intensely weided, pyrozene?-homblende andealtic to dealtic (gnimbrile, and biotile or homblende biotile rhyodealtic to rhyolitic (gnimbrile; scattened, locally highly attenuated purnice "Ramers" 5-7 on long
			Qhh	Grevel, sand, alt: mine tellings, sludge dams	Group	Redcap Dacite	Crv	or hamblende-blotte rhysdisabit to rhysdis (pinithrins; scattered, locally highly attenuated pumice "flamme" 5 - 70 m long Pale to dark grey, walded, hornblende-blotte-augite daolitic (gmithritis and hornblende "chiotite rhyslitic igmithribits; scattered sedimentary rock clasts at base pinithribits; scattered sedimentary rock clasts at base see
			Qha	Sand, gravel, all, olay: active stream-bed deposits  Sand, gravel, all, olay: active stream-bed deposits  Sand, all, would said (south) including basel declared block sold; uncluded older floor, older all rolls;	Feather	Beapeo Rhyolite	Cab	igminibities, scattered sedimentary rock clasts at base Creek Cauldron
			Qa	Sand, all, mud, soil (locally including baselt-derived black soil): undivided older flood-plain allunium and outwesth disposits	- >	Doolan Creek Rhyolite		Dark grey to greenish-grey, welded, homblende-biolite decitic to rhyolitic ignimbrite
			Qaw	Mud, sit, sand: swamp deposits	٢	Gingerella Volcanics	Gingere	illa Cauldron  Welded rhyolitic ignimbrite and lava; minor tuff, decite and volcanic breccie
		Qr Qr <sub>b</sub>	Sand, elit, gravel: undivided residual and colluvial deposits  Silt, mud, black solt basalt-derived residual and colluvial deposits	wn Group	Double Barrel Andesite	Cda	Locally autobrecciated discitic and andestitic lave and tuff	
			Qr <sub>a</sub>	Sand, gravel, silt: grantle-derived residual and colluvial deposits	Sundo	DOUGH Barrel Andesire	Kallon	
Undara Basalt		Qu	Vesicular to massive ofivine baselt lave flows from Unders vent	8	Kallon Volcanics	Ck	Pink to grey, lithics and crystal-rich rhyodiacitic to rhyolitic Ignimbrite, quartz-feldspar porphyry	
			TERTIAR	Y - QUATERNARY	ſ	<del>2</del>	Warby	Cauldron  Light grey to pink, (plagicolase-) quartz-K-feldspar, crystal-poor to moderately crystal-rich, locally theomorphic thy office (grimbrite
			TQa	Sand, silt, clay, minor gravet: older locally consolidated alluvial deposits generally related to present-day stream valleys		Warty, nio Subgro	Cwb	rheomospino myosto igrimores  Dark grey, crystal-poor, densely weided rhyolitic ignimbrite and plagioclase-physic dacite lava; local astered dacitic volcanic brecola
			Tür	Sand, silt, mud, gravel: older, unconsolidated to semi-consolidated residual and colluvial deposits	dix	Wa	Cwa	attered decisic voiceanc precial  Locally flow-banded, sparsely quartz-phyric to aphyric rhyolite
			TQt	Red-brown, partly lithilled tailus and mud-flow deposits	anic Gro	>(		ne Couldran
			TQb	Undivided olivine basalt lave flows	s Volce		Csb	Towards represent the green comment of the first
	McBride Basalt		TQm	Vesicular to massive olivine baselt lava; minor altered baseltic andesite	Scardor		Csc	Purple, plagioclase-quartz, crystal-poor to moderately crystal-rich, densely-welded rhyolitic ignimbrite  Cream to green, pink, or grey, (K-feldspan-) (plagioclase-) quartz, crystal poor to moderately crystal-rich
	Atherton Basalt		TQn	Vesicular to massive olivine baselt levs; minor scorie and baseltic tuff: younger flows and pyroclastics			Csd	rhyolitic ignimbrite; minor dacitic ignimbrite and flow-banded, partly intrusive rhyolite; local hyrdrothermal brecola pipes; minor sandstone
		Atherica Bosch	Tn	RTIARY Vesicular to massive olivine baselt leve: older flows		Duffers Creek Dacite	Csu	Lithics-rich, crystel-rich dacitic ignimbrite; moderately lithics-poor, crystel-rich rhyolitic ignimbrite; volcanic brecola/conglomerate
	,	Atherton Basait		A.	Į		Csa	Crystel-poor, altered dactitc to rhyolitic tuff; altered (pyroxene-) plagloclase-phyric andesite and dactitc leve
				Y Sand, sit, clay, minor gravel beds; some interbedded basalt in places; locally capped by ferriorets: old partly consolidated alluviel disposits, generally related to ancestral stream channels.		Claret Creek Supersuite granites	Cgc, -	Grey to cream, fine to medium-grained, even grained to locally popphyritis, blotte and blottle-hornblende grants, grancdicate and dionte (Cpc, - popphyritis micrograntie, instusive rhyolite, decitle and rhyolitis to doubte brecold to doubte brecold.
				Duricrust, massive ferricrete: minor silcrete: duricrusted old land surfaces and indurated peleococis at the top of deep weathering profiles		Claret Creek Volcanics	Claret I	Creek Cauldron Lithios-rich, welded rhyolitic to rhyodecitic ignimbrite; decite and rhyodecite leve; volcanic brecole
				Slightly porphyritic, dark grey, fine-grained offvine basalt; forms small plugs				a Cauddon
	Bulimba Formation		п	Clayey, quartzose sandstone, granule conglomerate and sandy claystone; commonly extensively ferruginised and party silicified		Nanyeta Volcanics	Cn	A lipolitic ignimbrite and lave, volcanic brecols; minor conglomerate (at base); andesite, fulf, suffeceous sediments
			LATE JUI	RASSIC - EARLY CRETACEOUS		Gurrumba Volcanics	Gurrun	tha Cauldron Pale grey, autobrecolated and flow-banded porphyribic rhyolite(?) lava
	Gilbi	ert River Formation	JKg	Clayey and quartzose sandatone, pebbly sandatone and conglomerate; minor allistone; local glauconitic bads Quartzose and clayey sandatone, glauconitic sandatone, siltatone			Cpx	Dank grey, welded, rhyolitic ignimbrite; minor dacite lava and dacite brecola (at base), coarse volcanio brecola
		Coffin Hill Member Yappar Member	Kgf JKgy	Quartzose and clayey sandstone, gleuconsto sandstone, sitestone Quartzose and clayey sandstone, conglomerate; minor sitestone			Срм	Dank grey, westerd, mycatic garriarne, minor datase area and datase evocuse (at ones), coarse victoria in ones.  Dank grey, westerd, ithics-poor, very crystal-rich, mycalific ignimbrite
			EARLY P	FRMIAN		Pratt Volcanics	Cpb	Altered, aphyric, flow-banded biolite-hornblende decite
	Whypai	ila Supersuite granites	Pgw	Cream to pale grey, medium to locally coarse grained biotite-muscovite and (muscovite-) biotite granite; locally foliated			Cps	Poorly sorted conglomerate, conglomeratic sandstone, quartzose sandstone
	Tinaro	o Supersuite granites	Pgt	Creem to pale grey, medium-grained, slightly to moderately porphystic blottle granite, with sparse garnet		Reamba Volcanics	Ce	Rhyolitic and rhyodeolic Ignimbrite
	Lags	Supersuite granites	Pgl <sub>14</sub>	Pink to orange-brown or pale to dark grey, biolite granite, (pyroxene-, garnet-) hornblende-biolite granodicrite and microdicrite			Cs ATAVAVA	Conglomerate, arkosic to labile micaceous sandstone and sittstone; local breccia
(	ſ	Gavin Rhyolite	Wakara Pwe	Califera  Medium to dark grey or black, locally little-rich rhycitils ignimbrite, containing pale porphyritic pumice and endealte clasts and rare gamet xencorpata(?); minor vitrophyre		Silver Valley Conglomerate	Cus	Coarse polymictic conglomerate; minor tuff, tuffaceous arenite and sitistone
	dnou	davirreiyone	Pwx	and andeated clasts and rare garnet xenocrystat?; minor vitrophyre  Brown, buff or grey, coarse, Nithica-rich to very lithica-rich, nlyolitic (gnimbrite (partly intrusive); minor autobreoclased (gnimbrite, Unital dyluse		Emerald Creek Supersuite	MID - LA	TE CARBONIFEROUS  White to gray and pale forows, medium-grained, even-grained to slightly porphyritio muscovite-blottle grantils, with range pared.
	Wakara nic Subg	Wollenden Rhyolite	Pwa	autobrooclated germonins, utilitate dysea  Dark to madium grw, crystaf-rich to very crystaf-rich, intensely welded, rhyolitic ignimbritie; poor to moderately rich in titric classis up to 3 cm across; minor vitrophyre, buffalte dykes, rhyolite lave (at base), massive violenargenic broccia or conglamenta		O'Briens Creek	Cgb <sub>1-72</sub>	grantin, with rare gurnet.  Phin, red, cream or gray, fire to coarse-grained, porphyritio to even-grained biotite grantin and subordinate microgrante, locally tournatine and topact bearing, misrotitic certifies common, pegmatitic lenses and pode sindependent extensive areas of alteration and grained development.
۵	Volcan			Unnamed charite to durite layer domes and intrusional?)		Supersuite granites	0401-73	pods widespread; extensive areas of afteration and greisen development  Unassigned intrusive rocks
nic Grou	l		Pir	Grey-green to brown or buff, spersely to moderately porphysitis aphantic myotile to discite (rare); commonly flow bandled, autobrecolated. Minor volcanic brecola, volcanogenic sandstone, pubbly sandstone, and mustione			Cgu	Pale pink to cream, fine to medium-grained, locally porphyritic blottle granite and microgranite; aplite; granophyre; minor grainer, locally brecolated
Volcar	599	Lumma Rhyolite	D)unga Pdl	in Calidars.  Medium to dark grey or green-grey, Intensely welded, rhyolitic lighthorite with nare gamet, and pale grey purific clients (2-20 cm); rare fulfillate, rhyolitic list, virciplyre, flow-leashelded rhyolite			Cqu <sub>e</sub>	Cream to dark grey or pink, fine to medium or locally coarse-grained, even-grained to locally porphyritic biotite grante to (pyroxene-) horniblende-biotite granodicrite; minor diorite
herbed	Djunga Volcar Subgro	Lightning Creek Rhyolite	Pde	Pale to clark grey, mainly intensely welded, rhyolitic ignimbrite; rare vitrophyre			Cgu <sub>b</sub>	Pale to dank grey, fine to medium grained granodionite to dionite, dolarite, porphyribic andesite, or olivine gabbro; minor microgranite
Feat	-(		Feathe	rbed Caldera				VONIAN? - EARLY CARBONIFEROUS?  Coarse polymictic conglomerate
	ala bgroup	Arringunna Rhyolite	Pta	Medium to dark gray, mainly massive, intersely welded, rhyolitic ignimization with pale grey pursion cleats; minor vitrophyre in places (at or near base); rare volcanogenic sandstone		Quadroy Conglomerate	DCq	
	Yongala anic Subg	Combella Rhyolite	Pfc	Paile green to plnk, brown or grey, variably welded and altered, rhyolitic (jamitchite; commonly apherulitic; mistor vitrophyne, rhyolite lave; rare rhyolitic tulf, volunogenic altistone and sendation.  Paile cranso, brown, green, or one, mainty intensely welded, rhyolitic (painthrist (rhecrosophic flow		[	DEVONIA Dh <sub>an</sub>	AN Pale to dank or greenish-grey or brown, medium to thick-bedded, mainly quartz-intermediate greywacks, rhythnically interbedded with allistone and mudetone; minor chert, conglomerate, conglomeratic greywacks, calcia
	No.	Fisherman Rhyolite	Pff	Pale orange, brown, green, or grey, mainly intensely welded, rhyolitic ignimbrile (rheomorphic flow structures common) and sparsely porphyritic rhyolite and rhyolite breccia (leve flows, domes); rare fulf, witpolyne, solbenogenic breccia, sendatone and mudetone and Cauldron		4 4	Dha	Pale to dark or greenish-grey or brown, fine to medium or locally coarse-grained, mainly quartz-intermediate greywacke, interbedded with minor alitatone and mudatone; minor conglomerate and conglomeratic greywacke
Scardons Volcanic Group		Dickson Creek Rhyolite	Psk	Plink to grey, lithice-poor, crystal-rich to very crystal-rich rhyolitic ignimbrite; basal lithice-rich horizon with clasts of grancdionte and grante		5	Dhe	Pale to dark grey, thin-badded to massive fisalle mudstone interbedded with subordinate thin alltatone load and minor greywards.  Dark grey, thick-badded, pabble to boulder conglomerate; conglomerate greywacke
Споср		Walsh Bluff	Pb	Buff, greenish-grey or dark grey, welded rhyolitic ignimbritis; minor rhyolite lave, quartrose sandstone, volcanic brecola; tiff		Forma	Dh <sub>a</sub>	Dark greenlsh-grey, fine-grained, locally amygdaloidal metabasait; minor flow-margin brecola
Broup	Slav	Volcanics laughteryard Creek Volcanics	Pw	Sightly porphyritic, flow-bended rhyolitic lava; strongly porphyritic microgranite and intrusive rhyolite;		gkinson	Ohs	Pale grey to cream, thin-bedded to massive chert with minor interbedded mudstone
oloanio			MID CAR	BONIFEROUS - EARLY PERMIAN		3	Dh,	Pale to dark grey, moderately recrystalised, poorly fossiliferous limestone
N uoou			CPI,	Coarse volcanio breccia			Dh <sub>a</sub>	Sedimentary (slump) brecole  Phyllic to achistose argilite and arenite; porphyroblastic muscovite schist and graphitic achist; minor cade-silicate rock and metabasalt
Koolr	Gle	n Gordon Volcanics	CPI <sub>6</sub>	Rhysilis to disalis(?)), locally flow-banded and autobrecolated leave, minor fulf, rhysilib igniribritis, andestis, fractive, victoanogenic rentells and allittore. Rhysidasitis to rhysilib (grimbritis; minor beddled fulf, rhysilis lava, volcanio brecola and volcanogenic arrente and allittore.)		Kitoba Memb	er Dhk	Messive, thick to very thick-bedded, medium to coarse-grained arenite; locally conglomeratic; minor mudatone, sitistane
			P0014					ILURIAN - MIDDLE DEVONIAN
	Ootan	nn Supersuite granites	Cg0 <sub>1.41</sub>	Mainly pale pink to grey or cream, fine, medium or coarse-grained, even-grained to moderably popphyritic blottle granitic, subcondate hortbands-biote granite and grandotine; minor microgranits and elucogranitic, made encleves common within some bodies (Ogo, Costal Physital "- rhysitic with minor decitic and andestic insulves; minor pobley senditoria and conglishments of andestic insulves; minor pobley senditoria and conglishments of andestic insulves; minor pobley senditoria and conglishments of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction of the construction			SDc,	Grey, medium to coarse-grained greywacks, conglomeratio greywacks, mudatone and alfatone, minor conglomerate, finestione, chert, clost-discited and stam rocks, metabasati White to buish-grey, ramely pink, thin-bedded to measive, fossiliferous limestone and limestone braccia; extensively recystalised ediplement to granibit insulance to marble emissione to marble and stam rocks; minor chert and innistone
		Almaden Supersuite granities		Gray, melniy medium-grained, even-grained to locally porplayitis, blottle-humblende granodiorite's some hornalmole-bostle granodiorite and (hornalmore) blottle granelle and quartz diorite; rarely contains protracere, mello endiores and mella-edelmentary indusorials locally company			SDC <sub>e</sub>	axiansively recrystallised adjacent to granific intrusions to marble and skam rocks; minor chart and tronstone Grey, pale brown, black or green, thin-badded to massive radiolarian chart; finely leminated spicular chart; minor interbedded mudistone and elitotone
	Almad			pyroxene; mafic enclaves and meta-sedimentary inclusions locally common			SDC <sub>b</sub>	Pale green to dark greenish-grey, massive and emygdeloidel metabaselt, meta-andealte and rare rhyolite; minor flow-margin brecola, limestone, chert, marble, skarn rocks
				Unassigned intrusives rocks  Cream to pate grey or pink, locally flow-banded rhyoilte, rhyodacite, microgranite or granophyre		Chillagoe Formation	SDC <sub>k</sub>	Pale grey to pale brown, fine to medium-grained quartzose arenite
			CPgu <sub>s</sub> CPgu <sub>s</sub>	Medium to dark grey, fine to medium-grained granodionite to dionite; local dolerite, andesite			SDC <sub>2</sub>	Medium to dark grey, rhythmically interbackind greywacise and mudatone Mainly medium to dark grey, medium to coarse-grained greywacks; subordinate mudatons; minor conglomerate and conglomerating greywacise
			CPgv <sub>o</sub>	Gray, fine to medium and medium-grained, even-grained (bioste-) horriblende granodiorite to granite			SDC <sub>10</sub>	Massive polymició conglomerate, conglomeratic greywacks; subordinate greywacks; minor limestone
				RBONIFEROUS			SDC	
1	1-9-1	Lappa Rhyolite	Tenny	California  Dark grey to greenish or brownish-grey, welded biotite-bearing rhycitic (gnimbrite; scattered rhycitic cleats at base		Tirrabella Supersuite	EARLY S	GILURIAN  Gray, medium-grained, strongly foliated, bioste-homblende and homblende-bioste tonalite, granodionte and outer tolorite
	Tennyson anic Subgrou	Allsorts Rhyolite	Cka	at base  A base to dark greenish-grey, buff, brown or cream, unwelded to poorly webled, rhyolitic ignimbrite with veriable littic content, local flow leyered rhyolite, rhyolitic virils buff and volcanogenic sitetone to aren'te; sparsely portprintic pyroxene-hambleride and/eathe at base		Blackman Gap Supersuite	Sgb <sub>12</sub>	and quartz donte  Pale gay to ream-variably foliated, medium to coarse-grained, even-grained to megacryatic, biotile-muscovite gramodicrite and gravite; hosel pegmentilo to apilitic variants; mete-sedimentary pendants and senotities locally common
		Dalnotter Dacite	Ckd	Variable state Continet, toda now sejerad imposite, imposite orac and accumingence assistance or amount, aparately polypritic pyrocene-in-orachisende andesides at base Dark grey to greenfast-grey, wested, horriblende-biotite dacite with dark pumice "fiamme" up to 10 cm long: lithica more common at base.		4 / 3 / 8	ORDOVI	
	No.	January Marie		White more common at base to Cauldron		Mulgrave Formation	Om	Cream to buff, fine to medium-grained quartrose arenite; minor interbedded sitistone, mudetone
		Rock Hole Rhyolite	Cbr	Pale pink to pinkish-grey, intensely welded, biotite-bearing rhyolitic ignimbrite			PROTER	OZOIC - LATE PALAEOZOIC
		Theodolite Rhyolite	Cht	Grey, intensely welded, homblende-blothe rhyalitic ignimbrite; fine to coarse rhyalitic crystal tuff and interlayered sitistone to fine conglomerate at base			0	Undivided dolerite, metadolerite, amphibolite
	dnod	Verdure Andesite	Cbe	Dark grey, welded, lithice-poor orthopyroxene? -hornblande-augite andesitio ignimbrite; minor abundantly porphyritio andesite lava; rare fine lapill tuff		Forsayth	PROTER	ROZOIC  Malinly medium-grained to pegmatitic muscovite-biotite granite or granodiorite; commonly strongly foliated
		Adder Dacite	Cba	Dark to greenish or purplish-grey, hornblende-biotite dacitic to hyodacitic ignimbrite; strongly porphyritic purplice "flemme" up to 15 cm long		Supersuite granites	- Em	Fine to locally ocerate-grained, porphyrobiastic mica schist and phylille; well-bedded fine-grained mate-amenite and quartzite; minor muscovite-biotite-gamet gnales, migmatith and leucogranite
Group	nic Subg	Hopscotch Rhyolite	Coh	Grey, (augite?-) hombiende-blotte rhyodacitic ignimbrite with dark pumice "fiamme" up to 10 cm long; crystalsicnystal fragments of quartz and feidapar up to 1.5 cm across common near base		McDevitt Metamorphics	Pm <sub>d</sub>	mete-aronte and quartzes minor muscovite-avoite-gamer grasss, migmates and avocognates  Amphibolite; metadolarite
Volcanic	Volcan	Muirson Rhyolite	Com	Dark bluish or greenish-grey, intensely welded, moderately crystel-rich to crystal-rich, homblende-biothe rhycilib ignimbrite; rich in quarts crystals up to 8 mm; contains pumble "flamme" up to 10 cm long		Einasleigh Metamorphics	Pe	Quartzose arenite and minor mudstone; minor leucogranite
y bed y	оптос	Eureka Rhyolite	Cbu	Grey or plinkish-grey, intersely welded, homblende-blottle rhyolitic ignimbrite, generally with minor clinopyroxene or orthopyroxene or both		Halls Reward Metamorphics	Eh	Quartz/fe/cispathic gnelss, mice schiet, amphibolhe, siliceous celc-silicate gnelss, foliated muscovite leucogranite; subordinate quartz mylonite, quartzite and ultramatic rocks
Feath	Boo	Bluewater Rhyolite	Cbb	Dark grey to bluish or greentsh-grey, intensely welded, augite-homblende-blotte myodacitic to myolitic igninomie, containing rare clasts of Orient Rhyolite up to 1 cm across		Sandalwood Serpentinite	Ps	Dark green to black, massive to locally strongly foliated serpentinite; strongly weathered and criss-crossed by network of allicified fractures; locally intermixed with mice schist; foliated feucogrants and pegmatter, are gebbor(2)
		Cummings Rhyolite	Cho	Medium to dark grey, intensely welded, augite-homblende-biotite rhyolitic ignimbrite			Pd	Mainly (sillimanite-) quartz-muscovite schist, amphibolite; minor gneiss, migmatite, quartzite
		Orient Rhyolite	Cha	Dark grey to greenish-grey or brown (augite?-) homblende-biotte rhyodachtic to mainly rhyolitic ignimbrite; minor tuff and coarse volcanoganic arenite and conglomerate		Dargalong Metamorphics	Pd <sub>2</sub>	Mainly quartzofeidspethic gneiss, augen gneiss, minor (sillmentle-) mice schlat, amphibolite, migmatte, calc-allicate gneiss; rare lenses of glassy quartzite, muscovite quartzite Mainly insensely deformed, myconitased quartzite descention places amphibolite, minor quartz mylonite.
		Bedlog Rhyolite	СЫ	Grey, poorly to moderately welded, hornblende?-biothe rhyolitic (gnimbrite; rare rhyolitic vinic crystal sulf and volcenogenic arenite and sitistione			Ed <sub>m</sub>	Main'y intensely deformed, mylonitised quartzofe/depathic gneles, amphibolite; minor quartz mylonite, muscovite-quartz mylonite Gnelsaic, migmattic graniticid, commonly garnetiferous
		Jamtin Rhyolite	Cir Cir	Pale pink or grey to purplish-grey rhyolitic to decitic, (homblende-) blotte-bearing ignimbrite; locally contains dark grey pumice "liamme" up to 10 cm long; strongly eltered in places				
	,	Wallaroo rhyolite*	Crw	Pale buff to pale grey or brown, mainly non-weided to moderately weided, rhyolitic ignimbrite and sparsely porphyritic rhyolite larse (basel and upper parts); minor interbedded rhyolitic taff and very fine-grained, rhyolitic ignimbrite (top)			Pa	Fine to coarse mica schist, locally interlayered with amphibolite, quartzoleidspathic gnelss and meta-arenite
			Cad	Very dark grey, very fine-grained, sparsely porphyritic, pyroxene-biolite-andesite with variable quartz and feldspar xensoryat content, intrusive in part			en en	Dark grey, medium-grained foliated matic rock
	В	Boxwood Volcanics	Boxwi	ood Cauldron  Grey decitio to rhyodecitio ignimbrite and porphyritic decite; minor crystal tuff				
				* Informal name				AGSO
							K	AND A AND A