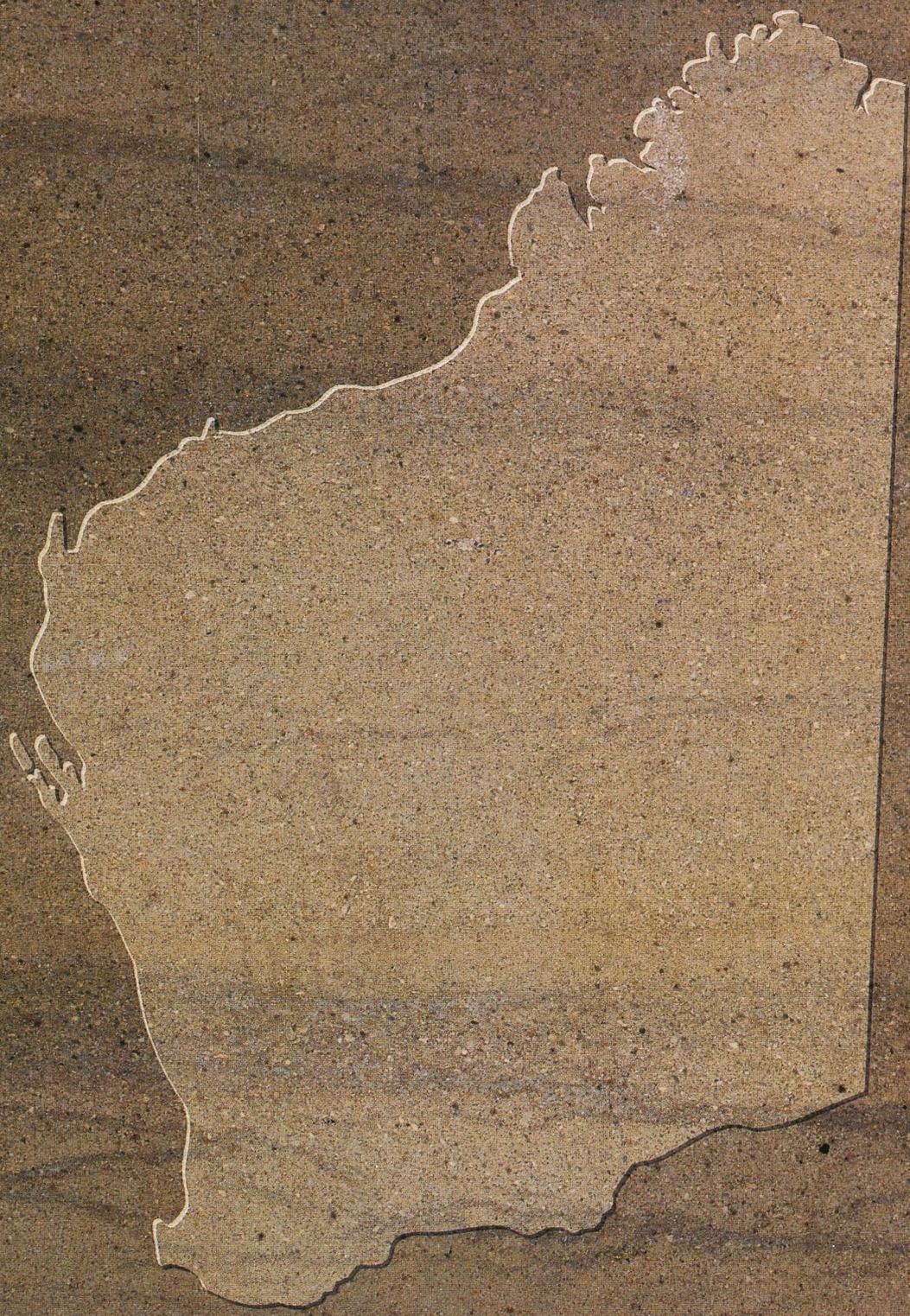


(9418) 35

ATLAS OF WESTERN AUSTRALIAN MINERAL DEPOSITS AND PETROLEUM FIELDS



DECEMBER 1995



GEOLOGICAL SURVEY OF WESTERN AUSTRALIA
DEPARTMENT OF MINERALS AND ENERGY

THIS ATLAS has been produced to show the location of Western Australia's mineral and petroleum resource projects and deposits, set against a background of simplified geology and topographic information. The publication is intended as a more comprehensive update to the Department's November 1993 publication entitled "*Western Australia. Principal Mining and Petroleum Projects*".

This publication draws together data from a number of sources. The "minerals" information comes from the Department's "*Mines and Mineral Deposits Index*" database (MINEDEX) which has, since 1984, recorded the sites of all mines, process plants and deposits with defined resources. Over 3000 such sites, the location of which was publicly available, are plotted in the atlas. Except for the many prospector-scale, predominantly gold operations, some 900 sites have been named wherever possible. Extractive industry quarries for construction materials (rock, aggregate, gravel and sand) and sites with confidential location information have been omitted. Because of the small scale of the maps used in this publication, a number of the closely spaced pits and deposits have been consolidated into single entities and given project names.

The scale of capture has generally been at least that of the Department's public (tenement) plans, which in many of the areas is 1:50 000.

The index at the back of the atlas categorises sites by their stage of development, with "o" for operating sites and those currently being developed for commercial production, "u" for undeveloped deposits/projects and "c" representing closed operations and those currently under care and maintenance as of December 1995. Named operating sites/projects appear in black on the maps, while closed or undeveloped ones are shown in grey.

Significant commercial ownerships (greater than 10%) of named projects/sites are listed in the index as of December 1995.

Mineral commodities, ownership, stage of development and location for each site have been extracted from the MINEDEX database, which is continually being updated. Further enquiries as to the current status of the sites/projects included in this booklet, as well as new discoveries, can be made at the telephone number below. Information about mineral exploration data can be obtained from the "*Western Australian Mineral Exploration*" database (WAMEX).

Queries regarding petroleum discoveries, reserves, development projects, and production should be addressed to the Petroleum Operations Division. Information about petroleum exploration data may be obtained from the Department's "*Western Australian Petroleum Exploration*" database (WAPEX). Information is also available from the "*Wells Drilled for Petroleum Exploration*" maps and the bi-annual publication "*Petroleum in Western Australia*".

All maps in this publication have been produced using the Albers Equal Area Projection, with central meridian 121°00' East and standard parallels 17°30' and 31°30' South.

MINISTER FOR MINES
The Hon. George Cash, J.P., M.L.C.

DIRECTOR GENERAL
K. R. Perry

DIRECTOR, GEOLOGICAL SURVEY OF
WESTERN AUSTRALIA
Pietro Guj

Geology generalized by J. Lewis, 1995, after J.S. Myers and R.M. Hocking, 1988

Mineral and petroleum projects and deposits from MINEDEX and WAPEX databases

Edited by W. Preston, C. Strong, B. Williams, and G. Loan
Cartography by S. Collopy and M. Prause

Cover design by S. Urbini, D. Smart, and M. Jones

Published by the Geological Survey of Western Australia,
Department of Minerals and Energy

100 Plain Street, East Perth, Western Australia, 6004

Further information:

MINEDEX: (09) 222 3328

WAMEX: (09) 222 3173

WAPEX: (09) 222 3214

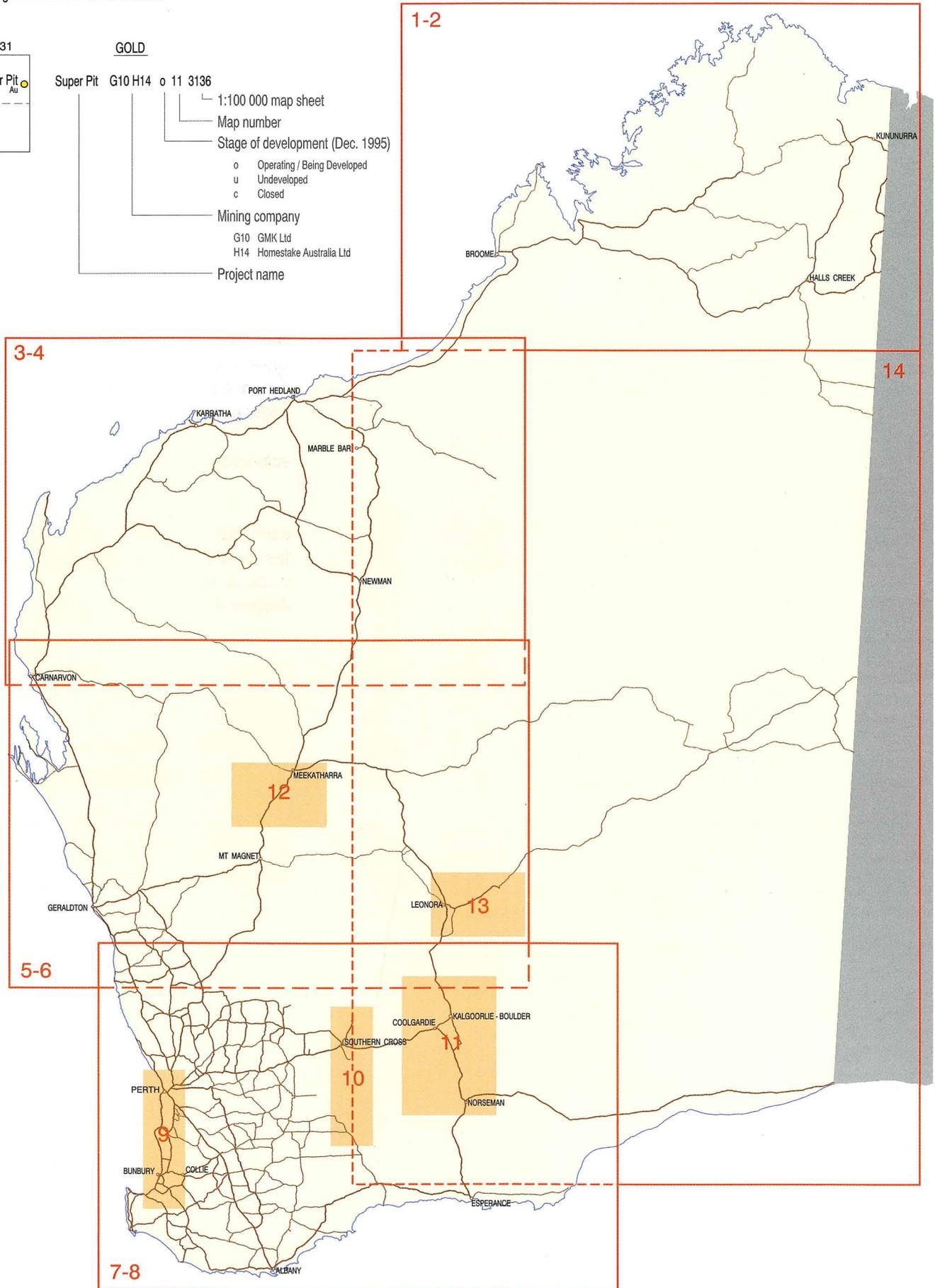
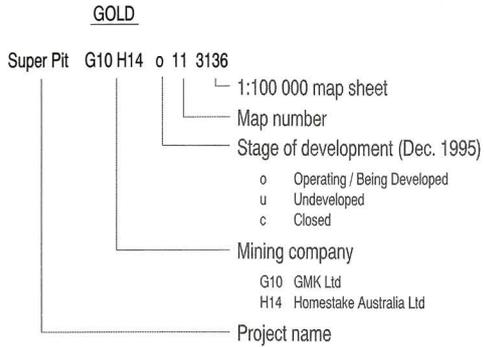
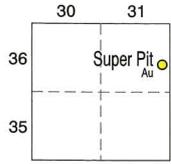
Petroleum Operations Division:
(09) 222 3273

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TO LOCATE A PROJECT

Two code numbers are used to locate a project in this booklet. The first code number is the map number and the second represents the 1:100 000 map sheet number. From the four digit map sheet number, the first two digits give the east-west co-ordinate, and the second two digits the north-south co-ordinate.



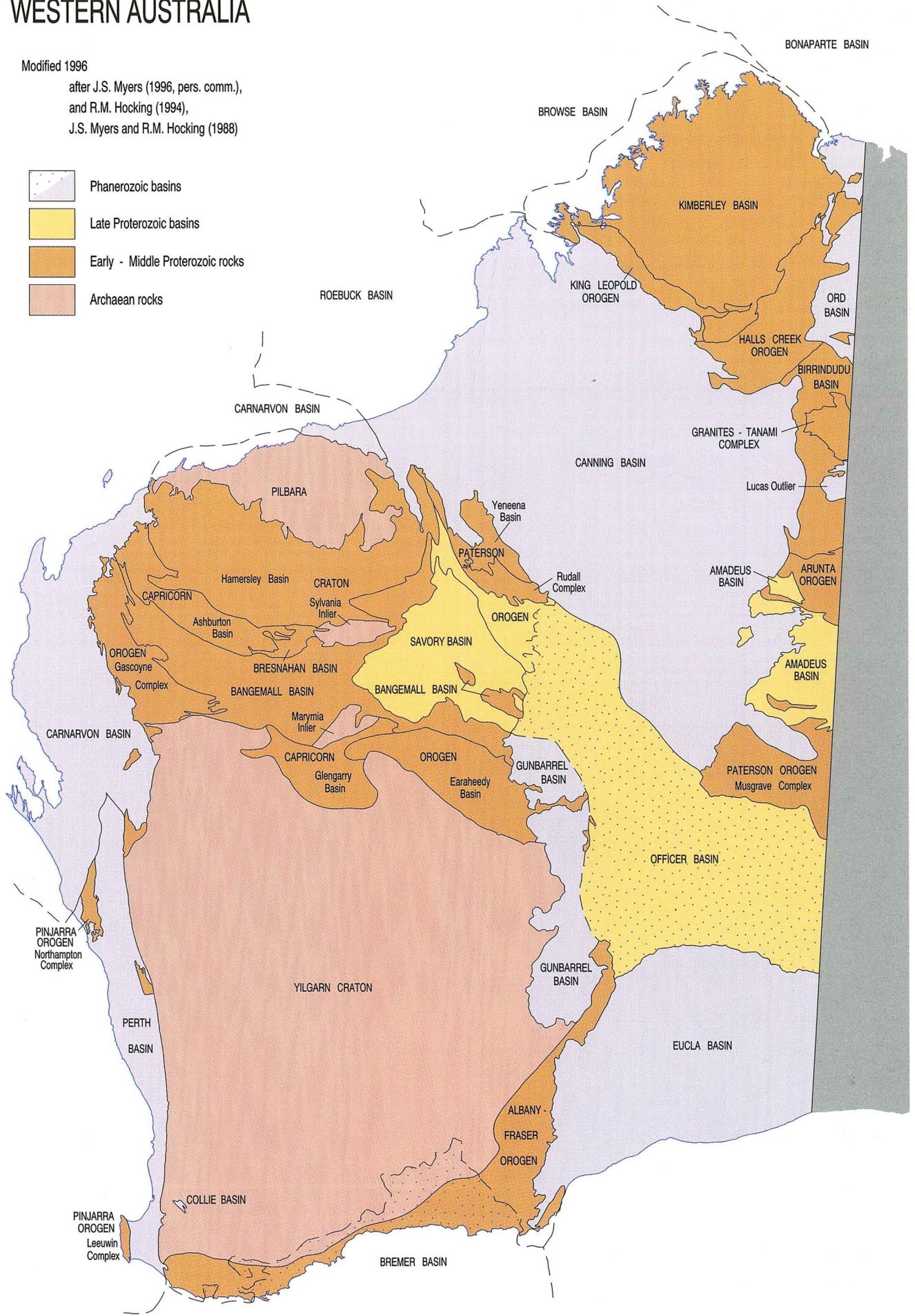
0 500 km
 Scale 1:10 million

MAIN TECTONIC SUBDIVISIONS of WESTERN AUSTRALIA

Modified 1996

after J.S. Myers (1996, pers. comm.),
and R.M. Hocking (1994),
J.S. Myers and R.M. Hocking (1988)

-  Phanerozoic basins
-  Late Proterozoic basins
-  Early - Middle Proterozoic rocks
-  Archaean rocks



0 500 km

Scale 1:10 million

ATLAS REFERENCE

PHANEROZOIC ROCKS

0 - 600 Million years (Ma)

QUATERNARY		Alluvial, shoreline, and eolian deposits
TERTIARY		Marine limestone
CRETACEOUS - JURASSIC - TRIASSIC		Marine and continental sedimentary rocks
PERMIAN - CARBONIFEROUS		Glacial, marine, and continental sedimentary rocks
DEVONIAN		Marine and continental limestone, dolomite, and sandstone
SILURIAN - ORDOVICIAN - CAMBRIAN		Continental sandstone, marine limestone; minor volcanic rocks

PROTEROZOIC ROCKS

600 - 900 Ma		Sandstone and glacial sedimentary rocks
1 100 - 1 450 Ma		Sandstone and shale
1 500 - 2 250 Ma		Sandstone
		Basalt
		Sandstone
		Granite
600 - 1 950 Ma		Metamorphosed sedimentary and felsic volcanic rocks
		Mafic and ultramafic volcanic and intrusive rocks
		Gneiss

PROTEROZOIC - ARCHAEOAN SEDIMENTARY AND VOLCANIC ROCKS

2 320 - 2 580 Ma		Iron-formation and shale
2 650 - 2 820 Ma		Basalt, shale, and sandstone

ARCHAEOAN ROCKS

2 500 - 3 500 Ma		Granite
		Gneiss
3 300 - 3 700 Ma		Felsic volcanic and sedimentary rocks
		Mafic and ultramafic volcanic and intrusive rocks
		Gneiss

Fault.....	
Thrust.....	
Mine site	
operating or under development.....	
closed or undeveloped.....	
	Ora Banda Mt Windarra
Major road.....	
Minor road.....	
Railway.....	
Gas pipeline	
operating.....	
proposed or under construction.....	
Town.....	

	PRECIOUS METALS
	Au unless otherwise indicated
Au	Gold
Cr	Chromium
PGE	Platinum group elements
	BASE METALS
Ag	Silver
Cu	Copper
Pb	Lead
Zn	Zinc
	ALLOYING METALS
	Fe unless otherwise indicated
Co	Cobalt
Cr	Chromium
Fe	Iron ore
Li	Lithium
Mn	Manganese
Mo	Molybdenum
Ni	Nickel
Sn	Tin
Ta	Tantalum
Ti	Titanium
V	Vanadium
W	Tungsten
	ALUMINA
Al	Alumina - Bauxite
	GEMS
Am	Amethyst
Ce	Chrysoprase
Di	Diamonds
Em	Emeralds
Gs	Gemstones (semi-precious)
Op	Opal
Tm	Tourmaline (Rubellite)
	INDUSTRIAL MINERALS
	Hm unless otherwise indicated
Aa	Asbestos
At	Alunite
Ba	Barite
Be	Beryl
Bs	Dimension stone
Cf	Clay (undifferentiated, atapulgite, sapolite)
Cg	Pigments
Ck	Clay (kaolin)
Cl	Clay
Cwp	Peat
Do	Dolomite
Dt	Diatomite
Fl	Fluorite
Fs	Feldspar
Ga	Gallium
Gp	Gypsum
Gt	Graphite
Hm	Heavy-mineral sands
Ls	Limestone
Mi	Mica
Ms	Magnesite
Na	Salt
Nb	Niobium
Ph	Phosphate
Py	Pyrite
Qz	Quartz
REE	Rare earth elements
Si	Silica
T	Talc
Ve	Vermiculite
	ENERGY MINERALS
	Oil unless otherwise indicated
Cb	Coal
U	Uranium
*	Gas

MAP 1

30

31

32

33

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60

59

*Brewster

*Scott Reef

*Brecknock

Cookatoo Is
Koolan Is

Oobagooma

Point Torment
Westkora

Boundary
Lloyd
West Terrace
Sundown

Blina

Ellendale 17
Ellendale

Waljee Hills

Calwynwardah

Admiral Bay
Zn Pb Ag

BROOME

Deby

Hm

Hm

Di

39 40 41 42 43 44 45 46

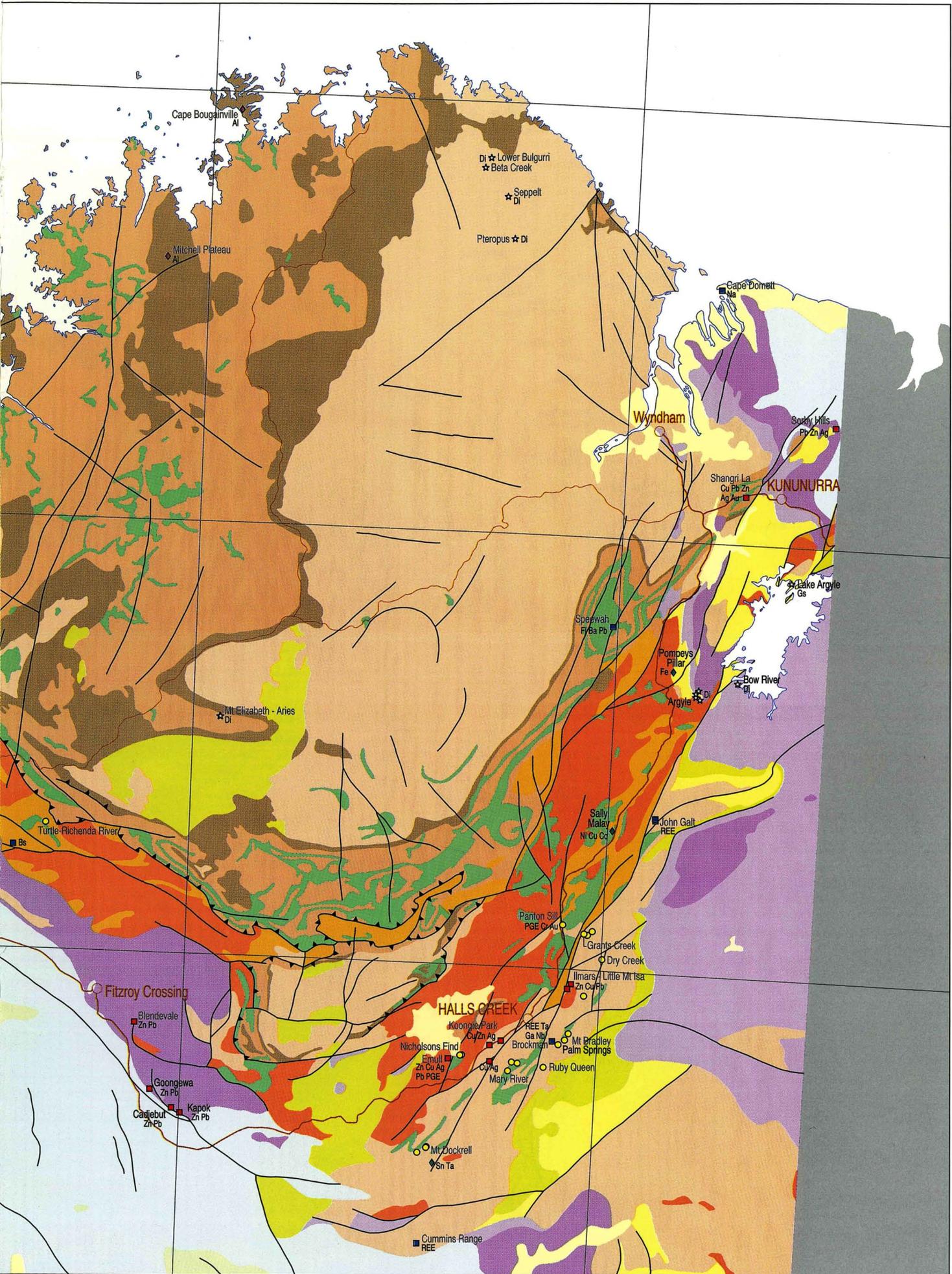
14°

16°

18°

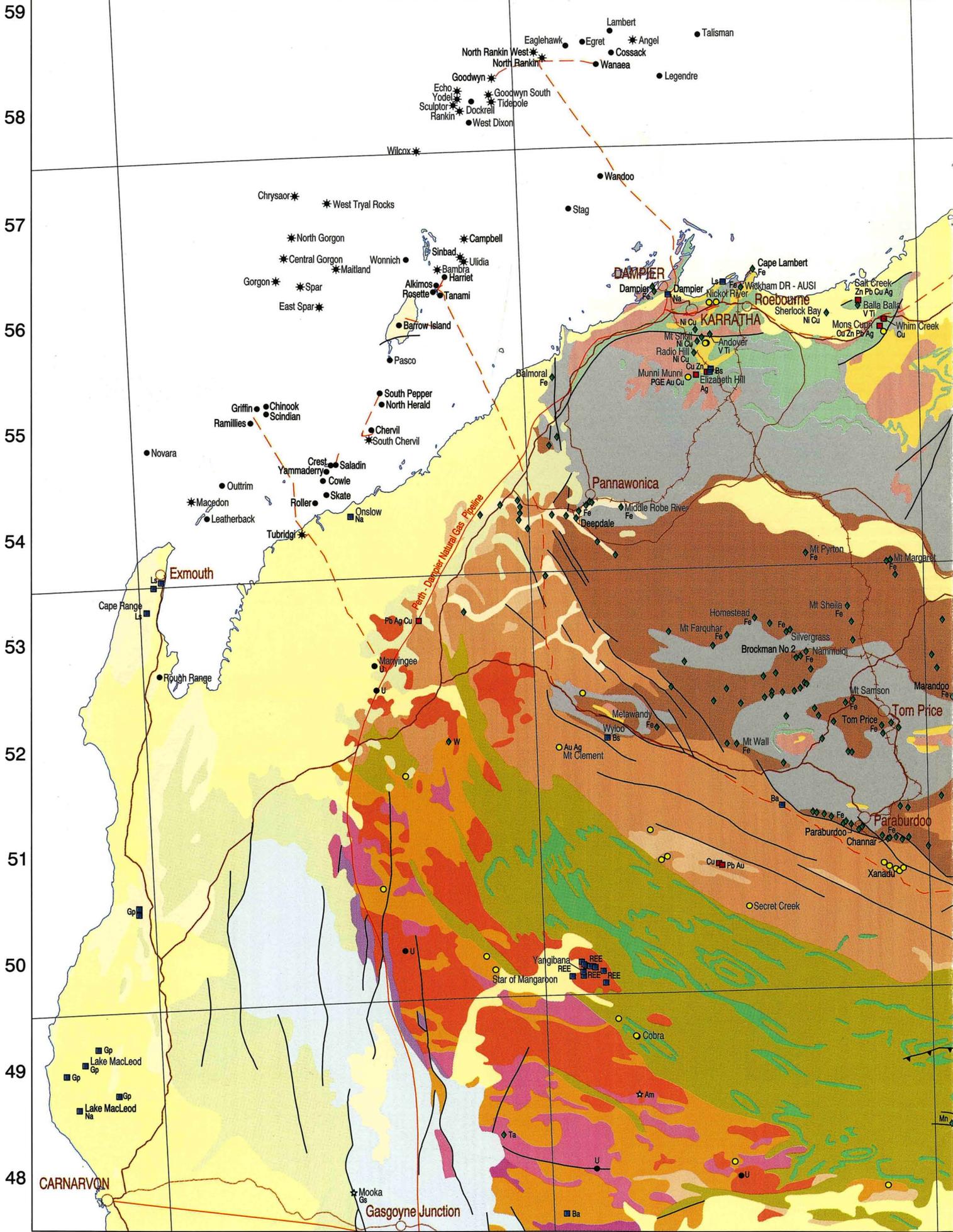
126°

128°



MAP 3

16 17 18 19 20 21 22 23 24



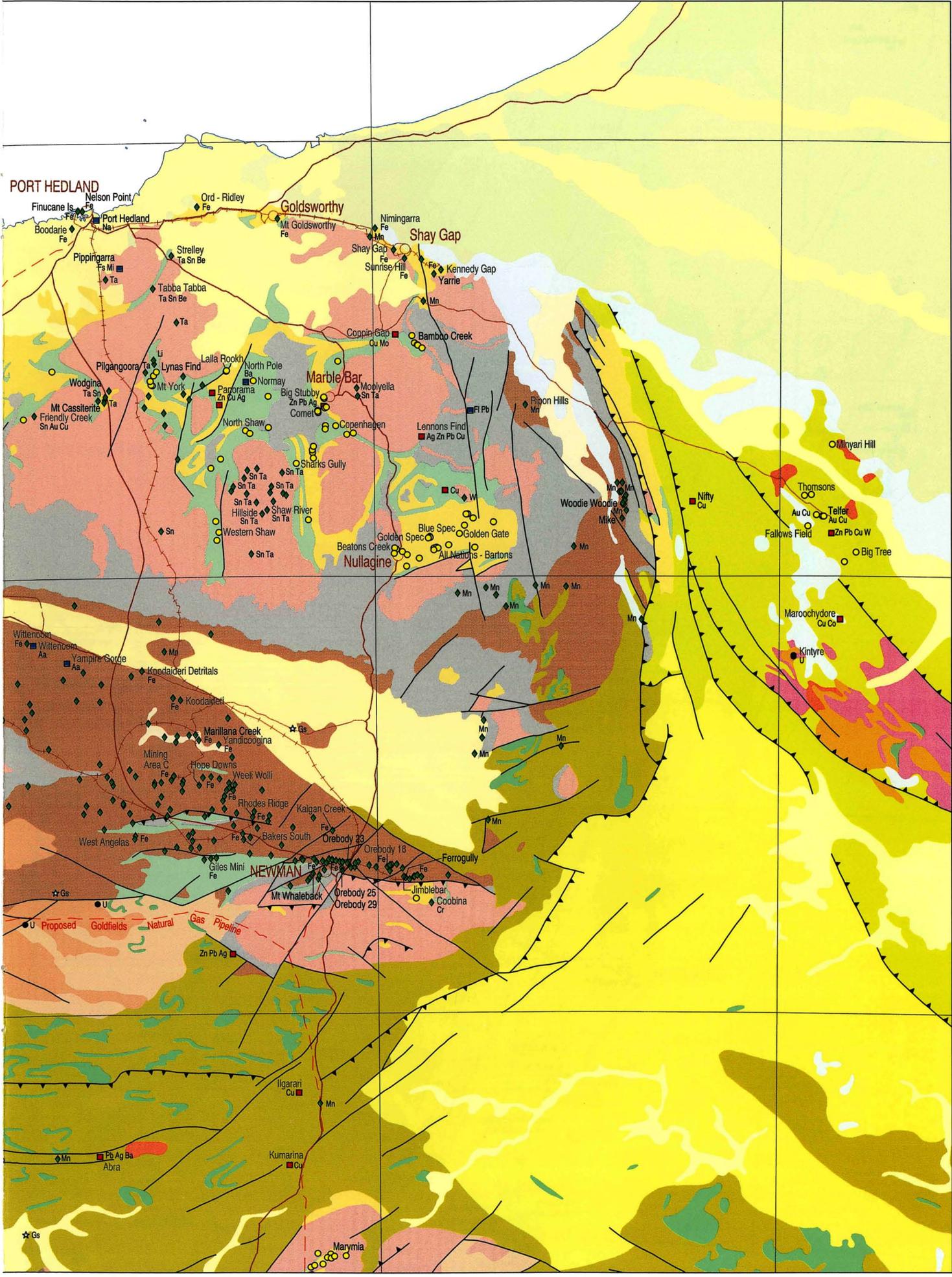
114°

116°

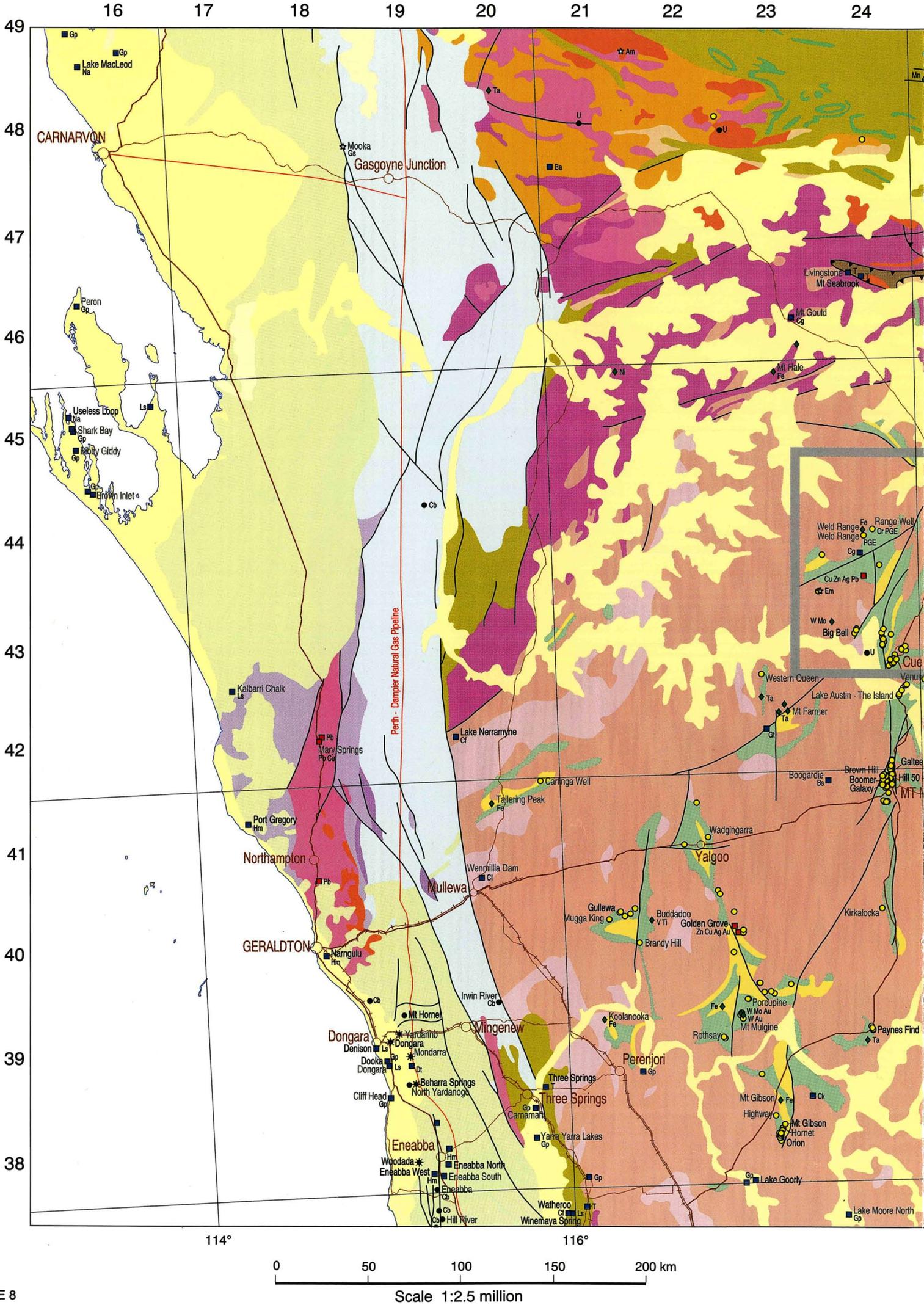
118°

0 50 100 150 200 km

Scale 1:2.5 million

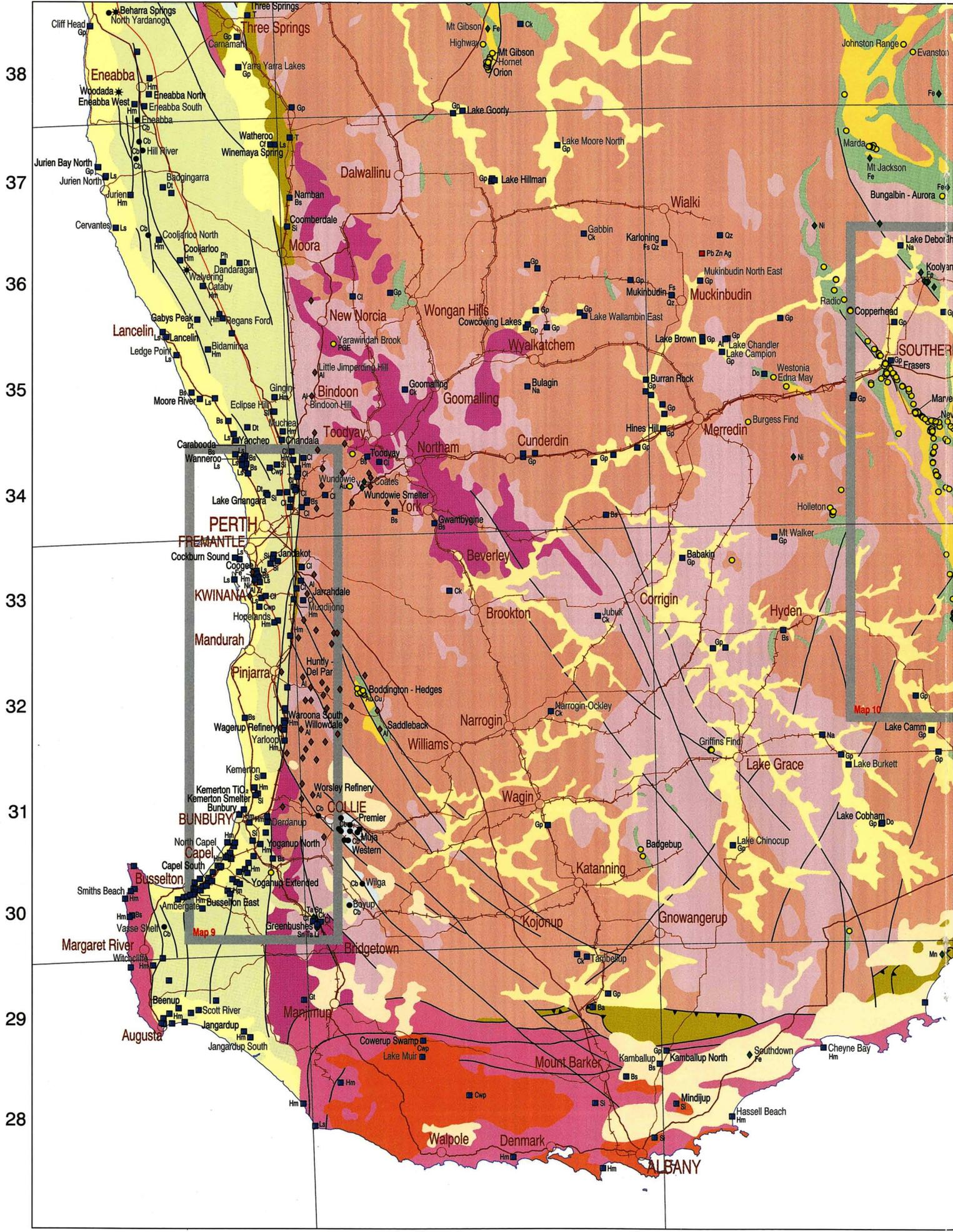


MAP 5



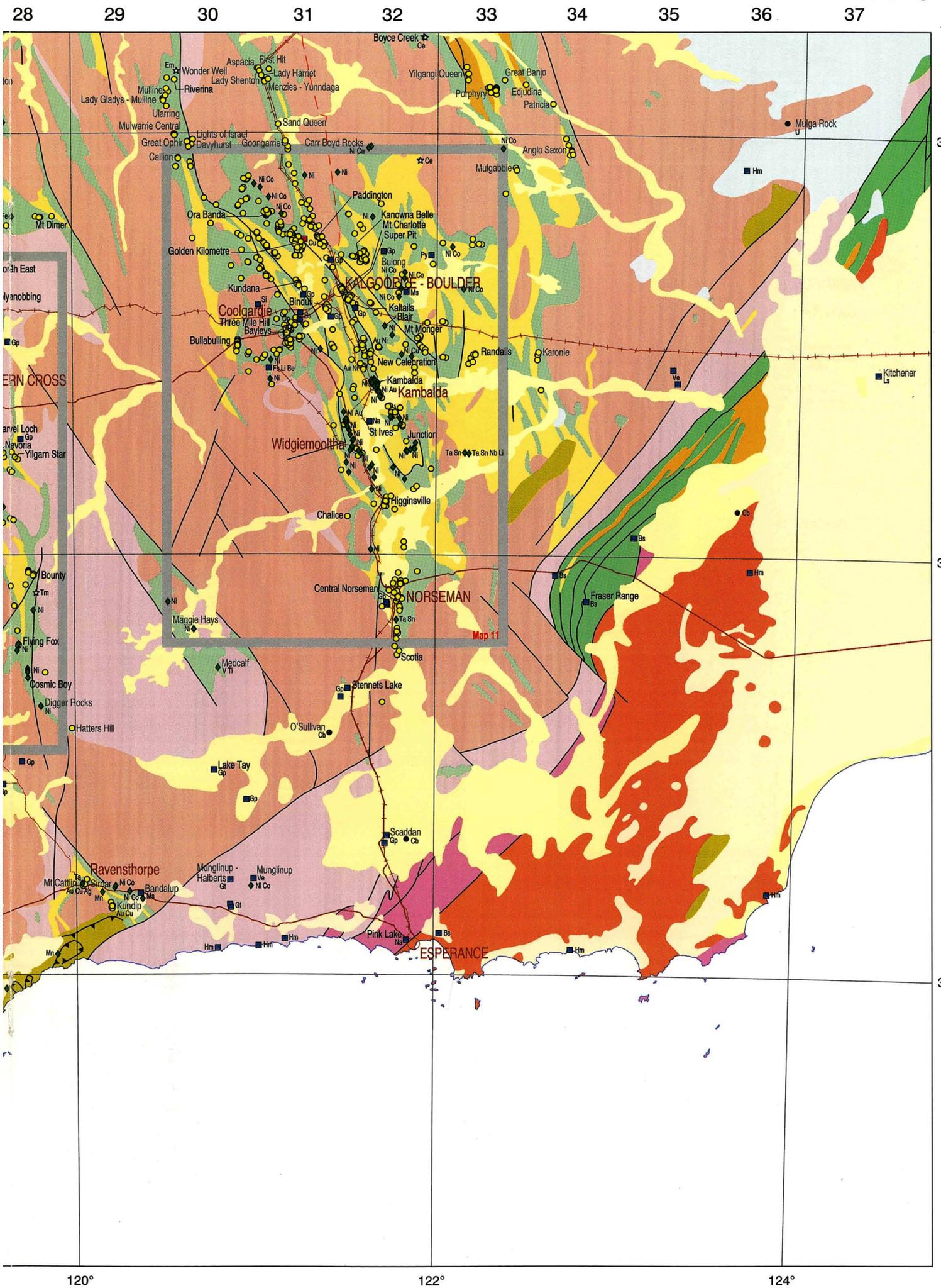
MAP 7

19 20 21 22 23 24 25 26 27



116° 118°
0 50 100 150 200 km

Scale 1:2.5 million

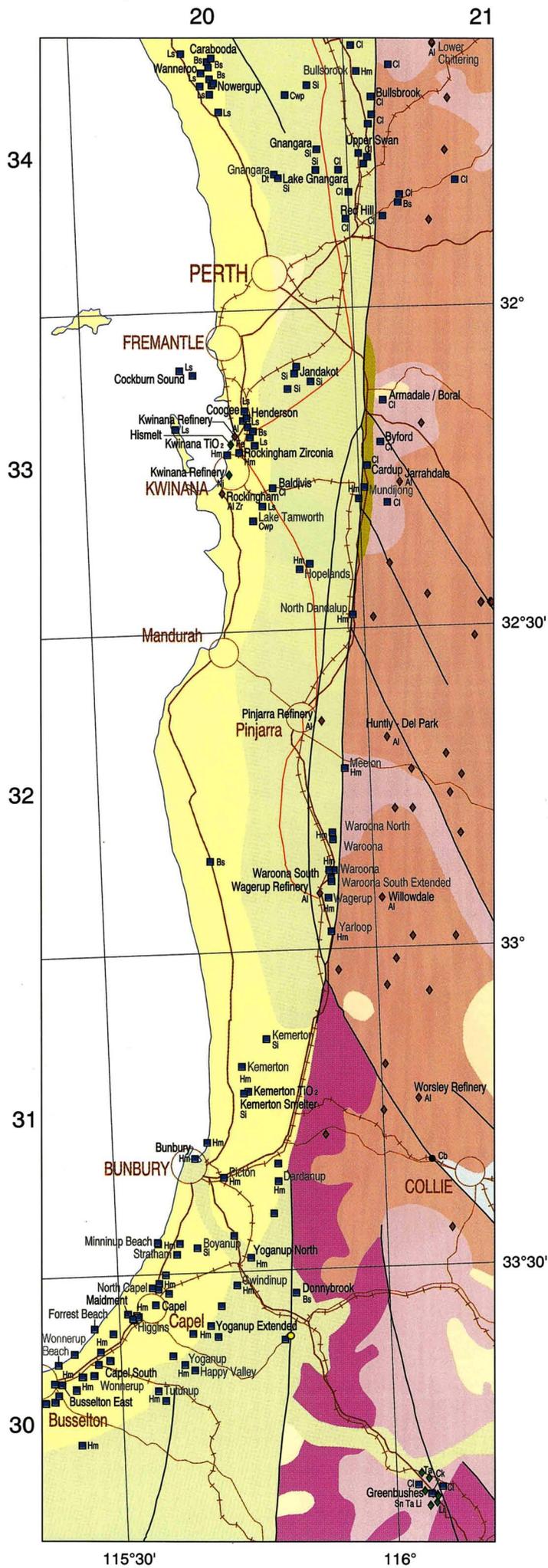


120°

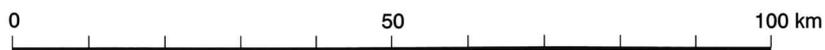
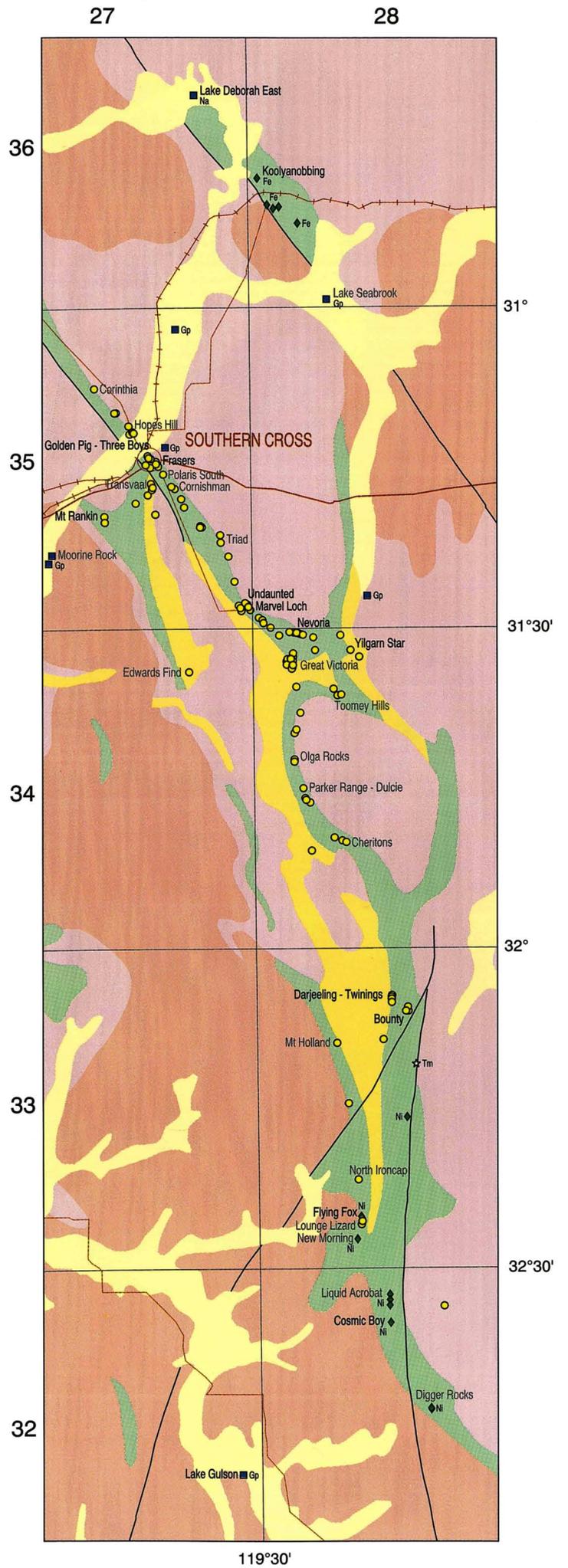
122°

124°

MAP 9



MAP 10

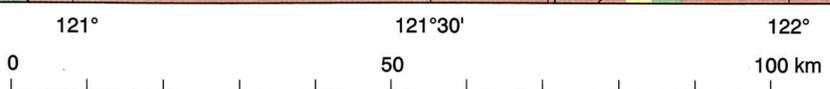
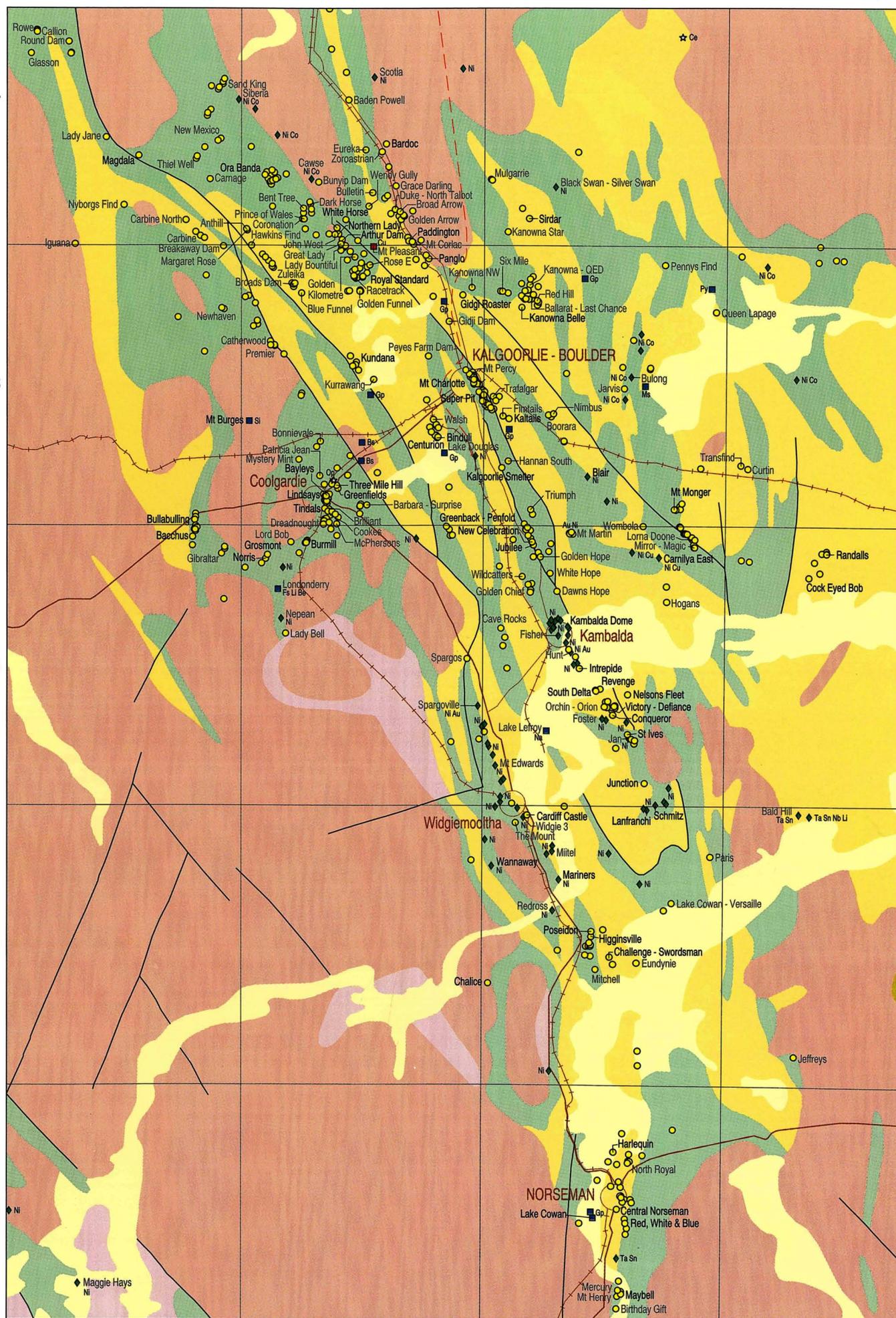


Scale 1:1 million

30 31 32 33

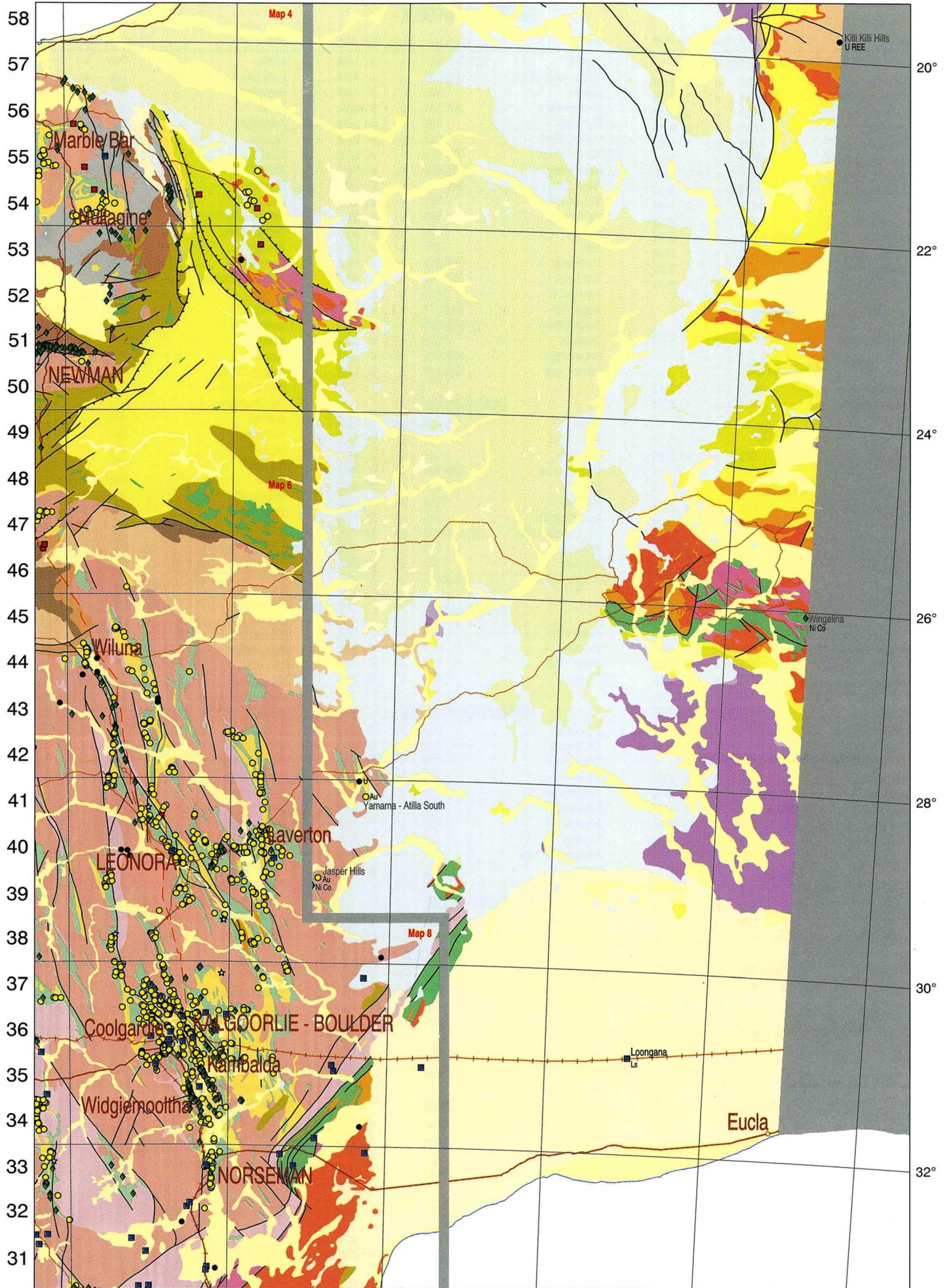
37
36
35
34
33

30°30'
31°
31°30'
32°



Scale 1:1 million

29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47



0 100 200 300 400 km

Scale 1:6 million

MINERAL INDEX

Site	Company	Stage	Map	Ref	Site	Company	Stage	Map	Ref	Site	Company	Stage	Map	Ref
ALUMINA — BAUXITE					Ilgarari	C28 G09 W07	u	4	2849	Allons	P16	c	12	2544
Bindoon Hill	NCO	u	7	2135	Ilimars - Little Mt Isa	A10 L01	u	2	4461	Alma May	A28	c	6	2743
Cape Bougainville	A05 M28	u	2	4169	Kapok	W12	o	2	4160	Anglo Saxon	A21	c	8	3437
Huntly - Del Park	A05	o	9	2132	Koongie Park	A10 L01	u	2	4461	Anthill	W06	c	11	3137
Jarrahdale	A05	o	9	2133	Kumarina	K04	c	4	2848	Arthur Dam	C06	o	11	3137
Kwinana Refinery	A05	o	9	2033	Lennons Find	C13	u	4	2955	Aspacia	J05	c	8	3138
Little Jimperding Hill	NCO	u	7	2135	Maroochydore	M36 S20	u	4	3353	Bacchus	R07	o	11	3035
Lower Chittering	NCO	u	9	2134	Mary Springs	C28 W07	u	5	1842	Baden Powell	T01	u	11	3137
Mitchell Plateau	A02 A05 M28	u	2	4068	Monis Cupri	D08 S20	u	3	2456	Badgebup	I03	o	7	2430
Muchea	NCO	u	9	2134	Mt Mulcahy	K01	u	12	2443	Bailey Is	S17	c	12	2544
Pinjarra Refinery	A05	o	9	2032	Mt Pleasant	T20	c	11	3136	Ballarat - Last Chance	D03 P02	c	11	3236
Saddleback	A02 K12 R08	o	7	2132	Nariarla	W05	c	1	3863	Bamboo Creek	K11	o	4	2956
Wagerup Refinery	A05	o	9	2032	Nifty	W14	o	4	3254	Baneygo	D13 J03	c	6	3342
Willowdale	A05	o	9	2132	Panorama	O06 S12	u	4	2755	Bannockburn	H15	c	6	3041
Worsley Refinery	A02 K12 R08	o	9	2131	Salt Creek	B13 P12	u	3	2456	Barbara - Surprise	A07 G10	c	11	3136
ALUNITE					Shangri La	NCO	c	2	4666	Bardoc	A01	o	11	3137
Lake Chandler	R03 W06	u	7	2535	Sorby Hills	B05 T17	u	2	4667	Barnicoat	S14	o	13	3340
ASBESTOS					Teutonic Bore	M23 P02	c	13	3141	Barwidgee	W22	c	6	3044
Wittenoom	NCO	c	4	2553	Thaduna	S01	u	6	2846	Baxters	N08 P16	o	6	2646
Yampire Gorge	NCO	c	4	2553	Wagon Pass	A02 W12	u	1	3863	Bayleys	C25	o	11	3136
BARITE					Whim Creek	D08 S20	u	3	2456	Beasley Creek	M17	c	13	3340
North Pole	S22	c	4	2755	DIAMONDS					Beatons Creek	T08	c	4	2954
CLAYS					Argyle	A16 C28	o	2	4564	Bell Chambers	G11	u	6	2741
Armadale / Boral	B10	o	9	2133	Beta Creek	S21	u	2	4369	Ben Hur	R16	u	6	3341
Baldivis	M18	o	9	2033	Bow River	N07	o	2	4664	Bent Tree	N04	c	11	3137
Bullsbrook	M19	o	9	2134	Calwinyardah	K06 W20	u	1	3861	Big Bell	P20	o	12	2443
Byford	S24	o	9	2133	Ellendale	A16 C28	u	1	3862	Big Tree	N04	u	4	3354
Cardup	M18	o	9	2133	Ellendale 17	W15	u	1	3863	Binduli	C30	o	11	3136
Gabbin	G16	u	7	2436	Lower Bulgurri	S21	u	2	4369	Birthday Gift	A23	u	11	3233
Goomalling	M18	o	7	2235	Mt Elizabeth - Aries	B08 C16 D06	u	2	4164	Black Kite	G09	u	6	3039
Jubuk	S23	c	7	2433	Pteropus	S21	u	2	4368	Black Label	S14	u	13	3340
Lake Nerramyne	M05	o	5	1942	Seppelt	S21	u	2	4369	Blue Funnel	S18	c	11	3136
Narrogin - Ockley	C28	u	7	2332	Walgiee Hills	A18 P23	u	1	3861	Blue Spec	F01	c	4	2954
Red Hill	M19	o	9	2134	DIATOMITE					Bluebird	S17	o	12	2544
Tambellup	NCO	u	7	2429	Badgingarra	M05	u	7	1937	Boddington	A02 N04 P20	o	7	2132
Upper Swan	P22	o	9	2134	Dandaragan	M05	u	7	2036	Bonnievale	M03	u	11	3136
Watheroo	W13	o	5	2037	Gabys Peak	R18	o	7	2036	Boomer	W14	o	5	2441
Wenmillia Dam	A20 K07	u	5	2041	Gnangara	M05	u	9	2034	Boorara	F01	u	11	3236
CHROMIUM — PLATINOIDS					DIMENSION STONE					Bottle Creek	N08	c	6	2939
Munni Munni	H16	u	3	2255	Boogardie	O03	c	5	2341	Bounty	F04 P20	o	10	2833
Panton Sill	H08 M27	u	2	4462	Carabooda	C03	o	9	2034	Brandy Hill	J05	u	5	2140
Range Well	B12 C17 D11	u	12	2444	Donnybrook	D09	o	9	2030	Breakaway Dam	N04	c	11	3036
Weld Range	B12 C17 D11	u	12	2444	Fraser Range	F06	o	8	3433	Bream	M08 R07 T12	u	6	2847
Yarawindah Brook	B12	u	7	2135	Gwambygine	W02	o	7	2234	Brilliant	H10	c	11	3136
COAL					Kamballup	M11	u	7	2428	British King	K02	c	6	3142
Boyup	G25	u	7	2130	Namban	P09	o	7	2137	Broad Arrow	W06	c	11	3137
Eneabba	R09	u	5	1938	Toodyay	A27	o	7	2134	Broads Dam	A23	c	11	3136
Hill River	C28	u	7	1937	Wombarella Creek	M15	o	1	3863	Bronzewing	G20	o	6	3143
Irwin River	P21	u	5	2039	Wyloo	NCO	c	3	2152	Brown Hill	W14	c	5	2441
Muja	G25	o	7	2131	EMERALDS					Bullabulling	R07	o	11	3036
O'Sullivan	O01 T16	u	8	3132	Wonder Well	M01	c	8	3038	Bulldog	S14	c	13	3340
Premier	W11	o	7	2131	FELDSPAR — MICA					Bulletin	P02 W06	c	11	3137
Scaddan	T11 W11	u	8	3231	Karloning	I01	o	7	2536	Bunyip Dam	N04	c	11	3137
Vasse Shelf	C28	u	7	1930	Londonderry	C20	u	11	3135	Burgess Find	G14	c	7	2634
Western	W11	o	7	2131	Mukinbudin	C20	o	7	2536	Burmill	A07	o	11	3135
Wilga	W11	u	7	2130	Pippingarra	C20	o	4	2656	Butcher Well	M33 S14	c	13	3339
COPPER — LEAD — ZINC — SILVER					FLUORITE					Caledonian	S17	c	12	2544
Abra	G16 N08	u	4	2648	Speewah	E05	u	2	4465	Callon	L08 M04	c	11	3037
Admiral Bay	C28	u	1	3359	GEMSTONES					Camel Bore	A28	c	6	2743
Anaconda	M34	c	13	3240	Boyce Creek	W10	o	6	3238	Carbine	M22	c	11	3037
Big Stubby	S22	u	4	2855	Lake Argyle	R04	o	2	4665	Carbine North	R07	c	11	3037
Blendevale	A02 W12	u	2	4061	Marshall Creek	A13	o	6	3041	Cardiff Castle	A07 P23	o	11	3234
Cadjebut	W12	o	2	4060	Mooka	B14	c	3	1848	Cardinia	S14	u	13	3240
Coppin Gap	M37	u	4	2956	Poona	P18	c	12	2343	Carlinga Well	C28 R15	u	5	2041
Elizabeth Hill	E02 L04	u	3	2255	GOLD					Carnage	L03	u	11	3037
Emull	A10 H16	u	2	4361	Admiral Hill	S14	u	13	3340	Cassidy	P08	c	6	2647
Freddie Well	NCO	u	6	2640	Agnew Gold	W14	o	6	2941	Catherwood	C13	c	11	3136
Golden Grove	E10 N07	o	5	2240	Aladdin	S17	c	12	2544	Cave Rocks	W14	u	11	3235
Goongewa	W12	o	2	4060	All Nations - Bartons	A06	u	4	2954	Central Norseman	C09	o	11	3233
Horseshoe Lights	S01	c	6	2647	FLUORITE					Centurion	C30	o	11	3136
					FLUORITE					Chalice	G05 G21 R07	o	11	3234
					FLUORITE					Challenge - Swordsman	R07	o	11	3234
					FLUORITE					Challenger - Parmelia	A28 O04	c	6	3042
					FLUORITE					Champion	M34	c	13	3139
					FLUORITE					Channings	P16	u	6	2844
					FLUORITE					Cheritons	A19	c	10	2834
					FLUORITE					Childe Harold	D03 P14	c	13	3340
					FLUORITE					Cobra	S10	o	3	2149
					FLUORITE					Cock Eyed Bob	G04 R02	o	11	3335
					FLUORITE					Cock of the North	S14	o	13	3340

MINERAL INDEX

Site	Company	Stage	Map	Ref	Site	Company	Stage	Map	Ref	Site	Company	Stage	Map	Ref
Comet	S22	c	4	2855	Griffins Find	A30	c	7	2531	Marda	G19	u	7	2737
Comet - Pinnacles	W16	o	6	2542	Grosmont	S18	o	11	3135	Margaret Rose	W06	c	11	3137
Conqueror	W14	o	11	3235	Gullewa	N02	o	5	2140	Marvel Loch	S14	o	10	2735
Coobina	V02	u	4	2951	Hancocks	E05	u	6	2741	Mary River	NCO	c	2	4461
Cookes	H10	c	11	3136	Hannan South	C30	c	11	3236	Marymia	R07 T12	o	6	2847
Copenhagen	F05	c	4	2855	Harbour Lights	S14	c	13	3140	Maybell	A23	o	11	3233
Copperfield	G09	u	6	3039	Harlequin	C09	o	11	3233	McCaffery	P16	o	6	3041
Corinthia	R07	c	10	2735	Hatters Hill	H15	c	8	2832	McPhersons	W25	c	11	3136
Cork Tree Well	NCO	c	13	3341	Haveluck	P16	c	12	2644	Meekatharra - Paddys Flat	P16	c	12	2544
Cornishman	S14 T19	c	10	2735	Hawkins Find	M32	c	11	3137	Menzies - Yunndaga	P02	c	8	3138
Coronation	G08	c	11	3137	Hedges	A05	o	7	2132	Mercury	A23	u	11	3233
Cosmopolitan	G15 H15	o	13	3139	Higginsville	R07	o	11	3234	Mertondale	A22	c	13	3240
Coxs Find	E08	c	6	3341	Highway	C02	u	5	2338	Mickey Doolan - Phar Lap	P16	c	12	2644
Craiglemore	S14	c	13	3340	Highway	S17	u	12	2544	Mikado	W03	c	13	3440
Crawfords	J05	u	13	3340	Hogans	S15	u	11	3235	Mindoolah	NCO	c	12	2344
Creation West	A22	u	6	3341	Holleton	R11	u	7	2734	Minyari Hill	N04	u	4	3355
Crusader - Cox	W14	o	6	2941	Hopes Hill	R07	c	10	2735	Miranda	W22	c	6	3042
Cuddingwarra	S17	u	12	2443	Hornet	C02	c	5	2338	Mirror - Magic	S02 T18	c	11	3235
Culcullin	G11	c	12	2543	Horse Paddock Well	S14	u	13	3140	Mitchell	R07	u	11	3234
Cumberland	H15	c	13	3139	Horse Well	E01 H16 M09	u	6	3046	Montague Boulder	H10	c	6	2843
Curtin	T12	u	11	3336	Hronsky	M33 S14	c	13	3339	Moonlight	W22	c	6	2944
Darjeeling - Twinings	F04 P20	o	10	2833	Ida H	S14	c	13	3340	Mossbecker	J04	u	6	3042
Dark Horse	N04	c	11	3137	Iguana	D03	u	11	3037	Mt Bradley	P03	c	2	4461
Darlot	P16	o	6	3142	Ingliston	P16	c	12	2644	Mt Celia	P02 P16	u	6	3338
Davyhurst	C23	c	8	3037	Intrepide	W14	o	11	3235	Mt Charlotte	G10 H14	o	11	3136
Dawns Hope	G10	u	11	3235	Jarvis	T19	u	11	3236	Mt Clement	T01	u	3	2152
Deliverer	W14	c	6	2941	Jasper Hill	D08	c	13	3140	Mt Corlac	P02	c	11	3137
Dingo - Yerilla	C28 G11	u	6	3239	Jasper Hills	S14	u	14	3539	Mt Dimer	T04	o	8	2837
Double A	B09	c	6	3141	Jeffreys	W14	u	11	3334	Mt Dockrell	K09 M35	c	2	4360
Dreadnought	M14	c	11	3136	John West	M25	o	11	3137	Mt Fisher	P16	c	6	3144
Dry Creek	S16	c	2	4562	Johnston Range	T05	c	7	2738	Mt Gibson	C02	o	5	2338
Duke - North Talbot	P02	c	11	3137	Jubilee	G10	o	11	3235	Mt Henry	A23 M10	c	11	3233
Edjudina	M34	c	8	3338	Junction	W14	o	11	3235	Mt Holland	C02	c	10	2833
Edna May	W18	c	7	2635	Jundee	G20	o	6	3045	Mt Korong	V01	u	13	3240
Edwards Find	S14	c	10	2734	Jungle Well	T18	u	6	3041	Mt Maiden	NCO	u	6	3342
Emu	W14	o	6	3042	Jupiter	C24 P16	o	13	3340	Mt Martin	R10 S08	c	11	3235
Eundynie	R07	u	11	3234	Kaitails	P20	o	11	3236	Mt Marven	C24 P16	c	13	3340
Eureka	S09	c	11	3137	Kangaroo Bore	P02 P16	u	6	3339	Mt McClure	A28 O04	o	6	3042
Fallows Field	N04	c	4	3354	Kanowna - QED	D03 N08	c	11	3236	Mt Monger	G04 R02	o	11	3236
Famous Blue	J03 M02	c	6	3342	Kanowna Belle	D03 N08	o	11	3236	Mt Morgans	C24 P16	o	13	3340
Federal City	G11	c	12	2543	Kanowna NW	Z01	u	11	3136	Mt Percy	G10 H14	c	11	3136
Fenian	P16	c	12	2644	Kanowna Star	P01	u	11	3237	Mt Rankin	B12	o	10	2735
Fimtails	R16	c	11	3236	Karangahaki	P16	c	12	2544	Mt Redcliffe	D08	c	13	3241
First Hit	P02	c	8	3138	Karonie	B11	c	8	3435	Mt Townsend	P02	u	6	2743
Forgotten Four	S02 T18	c	13	3140	Karridale	S14	u	13	3440	Mt York	L10	o	4	2655
Forrest Belle	D10	u	6	3039	Kathleen Valley	J04	u	6	3042	Mugga King	E11 P10	u	5	2140
Fortnum	P08	o	6	2547	Keil	W22	c	6	3045	Mulga Rock	P17	u	8	3638
Frasers	B12 G15	o	10	2735	Keringal	D03 P14	o	13	3440	Mulgabbie	C14 Y02	c	8	3337
Gabaniintha	S17	c	12	2644	King of Creation	R16	c	6	3341	Mulgarrie	D03 N04	c	11	3237
Galaxy	W14	o	5	2441	Kingfisher	A28	o	6	2743	Mulline	R13	c	8	3038
Gibraltar	P16	c	12	2544	Kirkalocka	B12 C28	u	5	2440	Mulwarrie Central	C23	c	8	3037
Gibraltar	R07	c	11	3035	Kohinoor	G11	o	12	2543	Mystery Mint	C30 E06	c	11	3136
Gidgee	A28	o	6	2743	Kundana	P02	o	11	3136	Nambi	A22	c	13	3241
Gidgi Roaster	G10 H14	o	11	3136	Kundip	M13	c	8	2930	Nannine	S17	c	12	2544
Gidji Dam	B11 R02	u	11	3136	Kurara	G11	c	12	2543	Nathans	P08	c	6	2547
Glasson	L08 M04	c	11	3037	Kurrawang	P02	c	11	3136	Nelsons Fleet	C05	u	11	3235
Globe - Sleeper	P16	c	12	2544	Labouchere	P08	c	6	2547	Nevoria	M34	o	10	2834
Gold Hill	E01	c	13	3240	Lady Bell	S18	u	11	3135	New Alliance	G11	c	12	2543
Golden Arrow	P02	c	11	3137	Lady Bountiful	C23	c	11	3136	New Celebration	N04 T12	o	11	3235
Golden Chief	N04 T12	c	11	3235	Lady Gladys - Mulline	P02 W17	c	8	3038	New Mexico	F03	c	11	3037
Golden Crown	P20	o	12	2443	Lady Harriet	P02	u	8	3138	New Year Bore	B03	o	6	2742
Golden Funnel	C06	c	11	3136	Lady Jane	N04	c	11	3037	Newhaven	A15 C08	c	11	3036
Golden Gate	G26	u	4	2954	Lady Shenton	P02	u	8	3138	Niagara	H15	u	13	3139
Golden Hope	N04 T12	c	11	3235	Lady Susan	E01	u	13	3240	Nicholsons Find	P21	o	2	4361
Golden Kilometre	C06	o	11	3136	Ladybird	E05	u	6	2741	Nickol River	C19 E04	u	3	2256
Golden Pig - Three Boys	B12	o	10	2735	Lake Austin - The Island	P13	c	5	2442	Nimary	E01 H16 M09	o	6	3045
Golden Shamrock	S17	u	12	2544	Lake Cowan - Versaille	A02 C23	u	11	3234	Nimbus	A15	u	11	3236
Golden Spec	F01	c	4	2954	Lalla Rookh	H07	c	4	2755	Normay	H07	c	4	2755
Golden Vale	C31	u	6	3039	Lancefield	M17	c	13	3340	Norris	S18	o	11	3135
Goongarrie	J05	c	8	3137	Landed at Last	M33 S14	c	13	3339	North Ironcap	F04 P20	u	10	2833
Gourdis	W22	c	6	3044	Lawlers	P16	o	6	3041	North Royal	C09	c	11	3233
Grace Darling	R02	c	11	3137	Lights of Israel	A01	c	8	3037	North Shaw	G12	c	4	2755
Granny Smith	D03 P14	o	13	3340	Linden	E07 H07	u	13	3339	Northern Lady	A18	o	11	3137
Grants Creek	P21	u	2	4462	Lindsays	C25	o	11	3136	Nyborgs Find	NCO	c	11	3037
Great Banjo	G06 P20	c	8	3338	Lord Bob	S18	c	11	3135	Olga Rocks	K09 M34	c	10	2834
Great Lady	G20	c	11	3136	Lorna Doone	G04 R02	c	11	3235	Omega	A28	c	6	2744
Great Northern Highway	S17	o	12	2544	Lounge Lizard	F04 P20	u	10	2833	Ora Banda	N04	o	11	3137
Great Ophir	A01	c	8	3037	Lubra Queen	M34	c	13	3139	Orchin - Orion	W14	c	11	3235
Great Victoria	G02 O05	c	10	2834	Lynas Find	L10	o	4	2655	Orient Well	M16	o	13	3139
Greenfields	C25	o	11	3136	Magdala	N01	o	11	3037	Orion	C02	o	5	2338

COMPANY INDEX

Site	Company	Stage	Map	Ref	Code	Company	Code	Company
Yangibana	NCO	u	3	2150	NCO	No current owner	C32	CSBP and Farmers Ltd
SALT								
Bulagin	C29	o	7	2335	A01	Aberfoyle Ltd	D01	Dampier Salt Pty Ltd
Cape Domett	S04	u	2	4568	A02	Acacia Resources Ltd	D02	Defiance Mining NL
Dampier	D01	o	3	2256	A03	ACI Resources Ltd	D03	Delta Gold NL
Lake Deborah East	W01	o	10	2736	A04	Afmeco Pty Ltd	D04	Denehurst Ltd
Lake Lefroy	NCO	c	11	3235	A05	Alcoa of Australia Ltd	D05	Devex Ltd
Lake MacLeod	D01	o	3	1649	A06	All Nations Mining Co. Ltd	D06	Diamin Resources NL
Onslow	O02	u	3	1954	A07	Amalg Resources NL	D07	Discovery Petroleum NL
Pink Lake	W01	o	8	3230	A08	Ampolox Ltd	D08	Dominion Mining Ltd
Port Hedland	C04	o	4	2657	A09	Anaconda Nickel NL	D09	Donnybrook Quarries WA Pty Ltd
Useless Loop	A26 C17 M29	o	5	1545	A10	Anglo Australian Resources NL	D10	Dowling, Locsei, Chaytor, Wanless
SILICA								
Boyanup	W19	c	9	2031	A11	Anshan Iron and Steel Complex	D11	Dragon Mining NL
Bullsbrook	A03	o	9	2034	A12	Apache Ltd	D12	Dreadnought Mining Ltd
Coomberdale	S11	o	7	2136	A13	Aplo Pty Ltd	D13	Duketon Goldfields NL
Eclipse Hill	NCO	c	7	2035	A14	Aquarius Exploration NL	E01	Eagle Mining Corp. NL
Gnangara	R14	o	9	2034	A15	Archaean Gold NL	E02	East Coast Minerals NL
Jandakot	B10	o	9	2033	A16	Ashton Mining Ltd	E03	Eaton MB & AE
Jandakot	R05	o	9	2033	A17	Asia Iron Pty Ltd	E04	Elazac Mining Pty Ltd
Kemerton	G27 I06 T13	u	9	2031	A18	Astro Mining NL	E05	Elmina NL
Kemerton Smelter	S11	o	9	2031	A19	Audax Resources NL	E06	Eltin Minerals Pty Ltd
Lake Gnangara	A03	o	9	2034	A20	Auralia Resources NL	E07	Enterprise Gold Mines NL
Mindjup	T14	o	7	2528	A21	Aurifex Mining NL	E08	Eristoun Gold NL
Mt Burges	W14	o	11	3136	A22	Aurora Gold Ltd	E09	Esmeralda Exploration Ltd
TALC								
Livingstone	G27	u	5	2446	A23	Australasian Gold Mines NL	E10	Esso Exploration & Production Aus. Inc.
Mt Seabrook	G27	o	5	2446	A24	Australia Pacific Minerals NL	E11	Euraust Mineral Development NL
Three Springs	W14	o	5	2038	A25	Australian Hanna Ltd	F01	Fimiston Mining NL
TIN — TANTALUM — LITHIUM								
Bald Hill	H15	u	11	3334	A26	Australian Mutual Provident Society	F02	Fitzgerald, Marley
Friendly Creek	P04	c	4	2555	A27	Australian Openpit Engineering Pty Ltd	F03	Forrest, Scott
Greenbushes	G27	o	9	2130	A28	Australian Resources Ltd	F04	Forrestania Gold NL
Hillside	NCO	c	4	2754	A29	Australian United Steel Industry Pty Ltd	F05	Fortuna NL
Moolyella	S17	c	4	2855	A30	Australite Holdings Pty Ltd	F06	Fraser Range Granite NL
Mt Cassiterite	G18 P02	o	4	2655	B01	Barton Mines Corp.	F07	Fuller, Gibson, Nylund
Mt Cattlin	P02	u	8	2930	B02	Bayly, Palm	F08	Furniss, Lambie
Mt Farmer	C27 R11	u	5	2342	B03	Bennett J	G01	Gardner RC
Pilgangoora	P24	o	4	2655	B04	BHP Iron Ore Pty Ltd	G02	Gasgoyne Gold Mines NL
Shaw River	NCO	c	4	2754	B05	BHP Minerals Pty Ltd	G03	Gencor Ltd
Strelley	G18 P02	u	4	2756	B06	BHP Petroleum Pty Ltd	G04	General Gold Resources NL
Tabba Tabba	G18 P02	u	4	2856	B07	BHP Titanium Pty Ltd	G05	Geographe Resources Ltd
Wodgina	G18 P02	o	4	2655	B08	Black Hill Minerals Ltd	G06	Gindalbie Gold NL
TUNGSTEN								
Mt Mulgine	G04 G16	u	5	2239	B09	Black Mountain Gold NL	G07	Giralia Resources NL
URANIUM								
Killi Killi Hills	NCO	u	14	4658	B10	Boral Resources (WA) Ltd	G08	Glengarry Resources NL
Kintyre	C28	u	4	3353	B11	Border Gold Ltd	G09	GME Resources NL
Lake Way	C28 O06 W22	u	6	2944	B12	Burmine Ltd	G10	GMK Ltd
Manyingee	T15	u	3	1953	B13	Butler RJ	G11	Gold Mines of Australia Ltd
Mt Joel	C11	u	6	3143	B14	Butler AW & RG	G12	Gold Partners NL
Oobagooma	A04	u	1	3764	B15	Bywaters, Leeson	G13	Golden Deepes NL
Yeelirrie	W14	u	6	2843	C01	Cable Sands Pty Ltd	G14	Golden Embassy Pty Ltd
VANADIUM								
Andover	M31	u	3	2256	C02	Camelot Resources NL	G15	Golden Valley Mines NL
Balla Balla	A24 D08	u	3	2456	C03	Carabooda Limestone	G16	Goldfields Ltd
Barrambie	P21 T16	u	6	2743	C04	Cargill Australia Ltd	G17	Goldfields Mining and Pastoral Co. Pty Ltd
Buddadoo	I07	u	5	2140	C05	Centamin Ltd	G18	Goldrim Mining Australia Ltd
Coates	C17	c	7	2134	C06	Centaur Mining and Exploration Ltd	G19	Gondwana Resources NL
Gabarintha	NCO	u	12	2644	C07	Central Bore Nickel NL	G20	Great Central Mines NL
Medcalf	A28	u	8	3032	C08	Central Kalgoorlie Gold Mines NL	G21	Great Southern Mines NL
Windimurra	P21	u	6	2641	C09	Central Norseman Gold Corp. Ltd	G22	Greater Pacific Investments Ltd
VERMICULITE								
Munglinup	V03	c	8	3030	C10	Central West Gold NL	G23	Green PD
SALT								
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TALC								
TIN — TANTALUM — LITHIUM								
TUNGSTEN								
URANIUM								
VANADIUM								
VERMICULITE								

COMPANY INDEX

Code	Company	Code	Company	Code	Company
H15	Horizon Mining NL	N02	National Resources Exploration Ltd	S20	Straits Resources Ltd
H16	Hunter Resources Ltd	N03	New Mexico Mining	S21	Striker Resources NL
I01	Imdex NL	N04	Newcrest Mining Ltd	S22	Stubbs S, M & M
I02	Intermin Resource Corp. Ltd	N05	Nippon Steel Australia Pty Ltd	S23	Summit Gold NL
I03	International Mineral Resources NL	N06	Noble Resources NL	S24	Swan Portland Cement Ltd
I04	ISK Minerals Pty Ltd	N07	Normandy Mining Ltd	T01	Taipan Resources NL
I05	Italia Limestone	N08	North Ltd	T02	Tanami Gold NL
I06	Itochu Corp.	N09	Nugold Hill Mines NL	T03	Taylor AE & EF
I07	Ivornia West Plc	O01	O'Sullivan Syndicate	T04	Tectonic Resources Ltd
J01	Japan Abrasive Co. Ltd	O02	Onslow Salt Pty Ltd	T05	Tennant Ltd
J02	Johnson NG, P & Son	O03	Orbicular Granites Pty Ltd	T06	Terra Resources Pty Ltd
J03	Johnsons Well Mining NL	O04	Oresearch NL	T07	Terrex Resources NL
J04	Jubilee Gold Mines NL	O05	Orion Resources NL	T08	Theiss Contractors Pty Ltd
J05	Julia Mines NL	O06	Outokumpu Australia Pty Ltd	T09	Thompson AC
K01	Kalgoorlie Resources NL	P01	Pacific Arc Exploration NL	T10	Ticor Ltd
K02	Kamin Pty Ltd	P02	Pancontinental Mining Ltd	T11	Titan Petroleum NL
K03	Kerr - McGee Chemical Corp.	P03	Panorama Resources NL	T12	Titan Resources NL
K04	Keygem Nominees Pty Ltd	P04	Pascoe, Sirr	T13	Tochu Co Ltd
K05	Kidman GA & JE	P05	Patterson, Shiner	T14	Tomen Australia
K06	Kimberley Diamond Co. NL	P06	Pavilly Pty Ltd	T15	Total Mining Australia Pty Ltd
K07	King Tiong Kiu	P07	Peat Resources of Australia Pty Ltd	T16	Trans Global Resources NL
K08	King Valley Holdings Pty Ltd	P08	Perilya Mines NL	T17	Triako Resources Ltd
K09	Kings Minerals NL	P09	Perth Granite Holdings Pty Ltd	T18	Triton Resources Ltd
K10	Kingstream Resources NL	P10	Peterson GJ	T19	Troy Resources NL
K11	Kitchener Mining NL	P11	Phillips IM &WD	T20	Tulloch Resources NL
K12	Kobe Alumina Associates	P12	Pilbara Mines NL	V01	Valenti E
L01	Lachlan Resources NL	P13	Pinnacle Mining NL	V02	Valiant Consolidated Ltd
L02	Lake Hillman Mining Pty Ltd	P14	Placer Pacific Ltd	V03	Vermiculite Industries Pty Ltd
L03	Laverton Gold NL	P15	Platgold Pacific NL	W01	WA Salt Supply Nominees Pty Ltd
L04	Legend Mining NL	P16	Plutonic Resources Ltd	W02	Wales Quarries
L05	Liaoning Consultancy and Investment Pty Ltd	P17	PNC Exploration (Australia) Pty Ltd	W03	Wallis Industries Ltd
L06	Limestone Resources Australia Pty Ltd	P18	Poona Emerald Pty Ltd	W04	WAPET Pty Ltd
L07	Locsei, Wanless	P19	Portman Mining Ltd	W05	Wehla Gold NL
L08	Lone Star Exploration NL	P20	Posgold Ltd	W06	Welcome Stranger Mining Co. NL
L09	Loongana Lime Pty Ltd	P21	Precious Metals Australia Ltd	W07	West Australian Metals NL
L10	Lynas Gold NL	P22	Prestige Brick Pty Ltd	W08	West Coast Holdings Ltd
M01	Mackay NJ	P23	Preston Resources NL	W09	Westdeen Holdings Pty Ltd
M02	Maiden Gold NL	P24	Prima Resources NL	W10	Western Australian Gem Explorers Pty Ltd
M03	Main Reef Gold Pty Ltd	R01	Ramirez AJ	W11	Western Collieries Ltd
M04	Majestic Resources NL	R02	Ramsgate Resources NL	W12	Western Metals Ltd
M05	Mallina Holdings Ltd	R03	RC Saddleir Pty Ltd	W13	Western Minerals NL
M06	Marathon Petroleum Australia Ltd	R04	Read, Hackett	W14	Western Mining Corporation Ltd
M07	Martinick Holdings Pty Ltd	R05	Readymix Group Ltd	W15	Western Reefs Ltd
M08	Marymia Exploration NL	R06	Reserve	W16	Westgold Resources NL
M09	Matlock Mining NL	R07	Resolute Samantha Ltd	W17	Westmex Ltd
M10	Max Resources NL	R08	Reynolds Australia Mines Pty Ltd	W18	Westonia Mines Pty Ltd
M11	May, Fong	R09	RGC Mineral Sands Ltd	W19	Westralian Sands Ltd
M12	McAndrew RW &GN	R10	Rhodes Mining NL	W20	Weybridge Pty Ltd
M13	McCall DJ & RA	R11	Richard Read and Associates Pty Ltd	W21	Whitecrest Enterprises Pty Ltd
M14	McCormick, McGuire	R12	Richmond WR	W22	Wiluna Mines Ltd
M15	McDonald Mining Pty Ltd	R13	Riverina Gold Mines NL	W23	Woods PJ
M16	Melita Mining NL	R14	Rocla Ltd	W24	Woodside Petroleum Ltd
M17	Metex Resources NL	R15	Roebuck Resources NL	W25	Woulham Pty Ltd
M18	Metro Brick	R16	Roehampton Resources NL	W26	Wright Prospecting Ltd
M19	Midland Brick Co. Pty Ltd	R17	Ruby Wells NL	Y01	Yardarino Mining NL
M20	Midrex Corp.	R18	Rule, Hines, Horton	Y02	Yinnex NL
M21	Midwest Gypsum and Limesands	R19	Russell Mining	Z01	Zanex NL
M22	Milling PS	S01	Sabminco NL		
M23	MIM Holdings Ltd	S02	Sabre Resources NL		
M24	Mineralogy Pty Ltd	S03	SAGASCO Resources Ltd		
M25	Mining Corporation of Australia Ltd	S04	Salt Exporters Australia Pty Ltd		
M26	Mining Project Investors Pty Ltd	S05	Sandhurst Mining NL		
M27	Minsaco Resources Pty Ltd	S06	Santos Ltd		
M28	Mitchell Plateau Bauxite Co. Ltd	S07	SCM Chemicals Ltd		
M29	Mitsui	S08	Scamac Mining Pty Ltd		
M30	Mitsui - Itochu Iron Pty Ltd	S09	Scotsdale Pty Ltd		
M31	Money Mining NL	S10	Sexton JF		
M32	Mourillian Mining Syndicate	S11	Simcoa Operations Pty Ltd		
M33	Mt Burgess Gold Mining Co. NL	S12	Sipa Resources International NL		
M34	Mt Edon Gold Mines (Australia) Ltd	S13	Smith RJ		
M35	Mt Grace Gold Mining NL	S14	Sons of Gwalia Ltd		
M36	Murchison United NL	S15	Sovereign Resources (Australia) NL		
M37	Mustang Nominees Pty Ltd	S16	Spargo RM		
N01	Nash Mining	S17	St Barbara Mines Ltd		
		S18	St Francis Mining NL		
		S19	Stirling Petroleum (Operations) Pty		

Further details of geological publications and maps produced by the Geological Survey of Western Australia can be obtained by contacting:

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