



Legend Document ver 2.1 (Updated 8<sup>th</sup> March 2011)

## Contents

1. [Mining Tenure and Symbology](#)
2. [Mining Act 1978](#)
3. [State Agreement Act](#)
4. [Offshore Minerals Act 2003](#)
5. [Commonwealth Offshore Act](#)
6. [Mining Act 1904](#)
7. [Mineral Fields and District Codes](#)
8. [Petroleum Act Titles](#)
9. [Land Tenure Symbology](#)
10. [Abbreviations and Symbols](#)
11. [Major Topographic Symbology](#)
12. [Minor Topographic Symbology](#)
13. [Detailed Topographic Features](#)
14. [Topographic Abbreviations](#)
15. [Land Category Abbreviations](#)
16. [Abbreviations](#)
17. [Minedex Sites for Tengraph Display](#)
18. [Data Provision Acknowledgments](#)

## Mining Tenure and Symbology

Mineral Field and District Boundaries



Mining Tenement Number

*M70/193*

Dead Mining Tenement Number

~~M70/193~~

Inspection Compilation (Refer survey diag, Number is not on Pegs)

*M70/193\**

Mining Centre

**KUNDANA**

Granted Mining Tenements



Pending Mining Tenements



The patterns and colours of features displayed in the Marking Out, Recent Activity, Tenement, Land, Survey, Native Title and Petroleum screens are shown in the Thematic Legend situated under the Windows menu.

[Back to Top of Page](#)

## **Mining Act 1978**

Application to Amalgamate	<i>AM...</i>
Exploration Licence	<i>E</i>
Exploration Licence (Christmas Island)	<i>ECI 70/...</i>
Exploration Licence (Cocos Keeling Island)	<i>EKI 70/...</i>
General Purpose Lease	<i>G</i>
Mining Lease	<i>M</i>
Mining Lease (Christmas Island)	<i>MCI 70/ ...</i>
Miscellaneous Licence	<i>L</i>
Restoration Pending	<i>RE...</i>
Prospecting Licence	<i>P</i>
Release Number Under Section 65	<i>RN08/...</i>
Retention Licence	<i>R 70/...</i>
Special Prospecting Licence	<i>P70/193S</i>

[Back to Top of Page](#)

## **Western Australian State Agreement Acts**

Exploration Licence Special Agreement	<i>AE 70/1 ... (E 1SA)</i>
General Purpose Lease Special Agreement	<i>AG 70/3 ... (G 1SA)</i>
Mineral Lease Special Agreement	<i>AML 70/1 ... (ML 1SA)</i>
Mining Lease Special Agreement	<i>AM 70/258 ... (M 258SA)</i>
Miscellaneous Licence	<i>AL 70/2 ... (L 2SA)</i>
Special Licence Lease Special Agreement	<i>ASL 70/1 ... (SL 1SA)</i>

[Back to Top of Page](#)

## **Western Australian Offshore Minerals Act 2003**

Exploration Licence Offshore	<i>EOS 70/1 ... (WA-1-EOS)</i>
Mining Licence Offshore	<i>MOS 70/1 ... (WA-1-MOS)</i>
Retention Licence Offshore	<i>ROS 70/1 ... (WA-1-ROS)</i>
Special Purpose Consent Offshore	<i>SOS 70/1 ... (WA-1-SOS)</i>
Works Licence Offshore	<i>WOS 70/1 ... (WA-1-WOS)</i>

[Back to Top of Page](#)

## Commonwealth Offshore Minerals Act

CTWH Exploration Licence	<i>MEL 70/...</i>
CTWH Mining Lease	<i>MML 70/...</i>
CTWH Retention Licence	<i>MRL</i>
CTWH Special Purpose Consent	<i>MSP</i>
CTWH Works Licence	<i>MWL</i>

## Old Commonwealth Offshore Minerals Act

Minerals Exploration Permit	<i>WEP 70/...</i>
Minerals Production Licence	<i>WPL 70/...</i>
Mineral Works Authority	<i>WWA</i>

## Mining Act 1904

Alluvial Claim, Extended Alluvial Claim	<i>AC, EAC</i>
Business Area	<i>BA</i>
Coal Mining Lease	<i>CML</i>
Dam Site	<i>DS</i>
Dam Water Right	<i>DWR</i>
Dredging Lease, Claim	<i>DL, DC</i>
Furnace Area	<i>FA</i>
Garden Area	<i>GA</i>
Gold Mining Lease	<i>Prefix GML is Omitted</i>
Licence to Treat Tailings	<i>LTT</i>
Lode Claim	<i>LC</i>
Machinery Lease, Area	<i>MyL, MA</i>
Mineral Lease, Claim	<i>ML, MC</i>
Miners Homestead Lease	<i>MHL</i>
Pipe track Water Right	<i>PTWR</i>
Poultry Farm	<i>PF</i>
Prospecting Area	<i>PA</i>
Quarry Area	<i>QA</i>
Quartz Claim	<i>QC</i>
Residence Lease, Area	<i>RL, RA</i>
Reward Claim, Lease	<i>RC, RL</i>
Stream Water Right	<i>SWR</i>
Tailings Lease, Area	<i>TL, TA</i>
Temporary Reserve	<i>TR</i>
Tramway Lease	<i>TyL</i>
Washing Area	<i>WA</i>
Water Lease, Right	<i>WL, WR</i>
Well Site	<i>WS</i>

## Mineral Field and District Codes

District Code	Mineral Field	District	Prefix Code
	Ashburton		08
W	Broad Arrow		24
	Collie River		12
	Coolgardie	Coolgardie	15
S		Kunanalling	16
	Dundas		63
E	East Coolgardie	East Coolgardie	26
Y		Bulong	25
	East Murchison	Lawlers	36
J		Wiluna	53
B		Black range	57
	Gascoyne		09
	Greenbushes		01
	Kimberly		80
T	Mt Margaret	Mt Margaret	38
F		Mt Morgans	39
C		Mt Malcolm	37
	Murchison	Cue	20
D		Day Dawn	21
M		Mt Magnet	58
N		Meekatharra	51
	Northhampton		66
Z	North Coolgardie	Menzies	29
U		Ularring	30
R		Yerilla	31
G		Niagara	40
X	North E. Coolgardie	Kanowna	27
K		Kurnalpi	28
P	Peak Hill		52
	Pilbara	Marble bar	45
L		Nullagine	46
	Phillips River		74
	West Kimberly		04
	West Pilbara		47
	Yalgoo		59
	Yilgarn		77
H	Southwest		70
OP	Warburton		69

## **Petroleum Act Titles**

### **State Onshore Titles PGERA67 (Petroleum and Geothermal Energy Resources Act of 1967) (Mainland and Coastal Waters)**

Petroleum Lease (1936 Act)	L1H
Production Licence	L
Exploration Permit	EP
Exploration Permit Application	Appl 5/07-8 EP
Production Licence Application	Appl 5/07-8 L
Drilling Reservation Application	Appl 5/07-8 DR
Infrastructure Licence Application	Appl 5/07-8 IL
Retention Application	Appl 5/07-8 R
Retention Lease	R
Drilling Reservation	DR
Special Prospecting Authority	SPA
Infrastructure Licence	IL

### **Geothermal Tenure**

Geothermal Exploration Permit	GEP
Geothermal Production Licence	GL
Geothermal Retention Lease	GR
Geothermal Drilling Reservation	GDR
Geothermal Special Prospecting Authority	GSPA
Geothermal Infrastructure Licence	GIL
Geothermal Exploration Permit Application	Appl 2/07-8 GEP
Geothermal Production Licence Application	Appl 2/07-8 GL
Geothermal Retention Lease Application	Appl 2/07-8 GR
Geothermal Drilling Reservation Application	Appl 2/07-8 DR
Geothermal Infrastructure Licence Application	Appl 2/07-8 GIL

### **Pipeline Licences**

State Onshore Pipeline Licence (Petroleum Pipeline Act, 1969)	PL
Territorial Sea Pipeline Licence	TPL
Pipeline Licence	WA-6-PL

### **State Offshore P(SL)A82**

Territorial Sea Production Licence	TL
Territorial Sea Exploration Permit	TP
Territorial Sea Retention Lease	TR
Infrastructure Licence	TIL

## Commonwealth Offshore OPGGSA06 (Offshore Petroleum Greenhouse Gas Storage Act 2006)

Production Licence	WA-1-L
Exploration Permit	WA-1-P
Retention Lease	WA-1-R
Infrastructure Licence	WA-1-IL

## Release Areas

State Onshore PGERA1967 Release (Petroleum Discrete) Area	L08-5
State Onshore PGERA1967 Release (Geothermal Discrete) Area	G08-5
State Offshore P(SL)A1982 Release (Petroleum Discrete) Area	T08-5
Commonwealth Offshore OPGGSA2006 (Petroleum Discrete) Area	W08-5

[Back to Top of Page](#)

## Land Tenure Symbology

Agricultural Estate Area, Suburban Area	— — — — X X — — — —
Agricultural, Estate Lot Number	122
Baseline (Inner Limit of Territorial Sea)	— • • — • • — • • —
Crown Location Number	139
Crown Location Number Broken	139
Drainage District	— — — — )( — — — —
Freehold Land - Crown and LTO	139 or 139

## Lease Types - Land Administration Act 1997

General Lease (number)	GE A123456
Reserve Lease (number)	RL A123456
Purchase Lease (number)	PU A123456
Aboriginal Lease (number)	AB A123456
Pastoral Lease (number)	PL A123456

## Lease Types – Land Act 1933



Pastoral Lease Name and Number	<b>JEEDAMYA</b> 3114 1121
Pastoral Lease Name (to year 2015) and Number	398
Special Purpose Lease (number)	3116

General Lease (number)	3117
Reserve Lease (number)	332
Purchase Lease (number)	386
Conditional Purchase Lease (number)	347
Govt Agency Lease (number)	37
Aboriginal Lease (number)	39

Irrigation District	-----)(-----
Land District	-----+-----
Local Authority	-----
Low Water Mark	●●●●●●●●●●●●●●●●
Marine Park Reserve	-----OO-----
Outer Limit Territorial Sea	---●---●---●---●---
Reserve; Land Act & Forest Act.	▲12345 , F▲146
State Forest	-----++-----
Surveyed Boundary	_____
Townsite	-----X-----
Unsurveyed Boundary	-----
Unallocated Crown Land, (Vacant Crown Land)	UCL, (VCL)
Water Catchment Area	-----)(-----
Water Reserve and Named Water reserve	-----

[Back to Top of Page](#)

## Abbreviations and Symbols









No Labels	Some large entities such as native title claims have no labels on the graphics - refer to the status bar for identity
PD	Position Doubtful
PR	Position reliable
Abd	Abandoned
PT	PT indicates part of an entity which may or may not have an associated vinculum
Road Names	The convention used is the from and to principle
Punctuation	Is not used unless it is essential for correct understanding eg. G.O Bore, O'Loughlin
Label Repetition	Large Polygons have more than one label displayed
	Arrow is a position indicator for text unable to be shown within a polygon
	Vinculum to link polygon severances together
	Horizontal Control
LD	Land District
MF	Mineral field

Calc	Exploration License boundary accurately defined by survey calculation (may not apply to all boundaries)
UC	Uncertified Surveyed Tenement







[Back to Top of Page](#)

## Major Topographic Symbology




### Transport/Communication

	Aircraft Landing Ground
	Airfield Runway
	Airport
	Major Road
	Minor Road
	Tower/Mast ( <i>Yellow in Tengraph</i> )
	Transmission Line ( <i>Yellow in Tengraph</i> )
	Railway Single/Multi Rail








### Cultural

Eg. Outhere	Locality / Place Name
	Tank
	Tank Outline
	Tank with Windmill
	Well/Bore
	Well/Bore with Windmill
	Windmill

### Relief

	Feature Identification Point
	Single Rock Non Hydrographic
	Landmark Point Feature

## Hydrology

	Coastal Feature
	Coastal Waterline
	Major Coastal Feature
	Major Watercourse (non-permanent)
	Major Watercourse (permanent)
	Named lakes (non permanent)
	Named lakes (permanent)


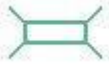
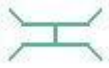





## Mining

	Tailing Dumps
	Archive Minesite
	Mining Centre
	Oil Well / Oil Tank (Yellow)


















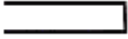


[Back to Top of Page](#)

## Minor Topographic Symbolology






### Transport/Communication

	Bridge One/Both (symbolized)
	Causeway/Bridge (to scale)
	Causeway/Bridge (to scale)
	Railway/Tramway Abandoned/Dismantled
	Railway Siding/Crossing
	Railway Station
	Telecom Route Surveyed - Unsurveyed ( <i>Yellow in Tengraph</i> )
	Track

## ***Cultural***





	Building (Symbolised)
	Building (to scale)
	Channel/Drain
	Dam Wall (retaining or carrying road)
	Earth Dam (symbolised)
	Earth Dam with Windmill (symbolised)
	Earth Dam /Turkey Nest Dam (to scale)
	Fence Line ( <i>Yellow in Tengraph</i> )
	Groyne Area ( <i>Yellow in Tengraph</i> )
	Levee Bank
	Lighthouse ( <i>Yellow in Tengraph</i> )
	Pipeline Above Ground (water)
	Pipeline Below Ground (water)
	Ruin (to scale)
	Ruin Symbolised
	Silo/Lookout ( <i>Yellow in Tengraph</i> )
	Water Reservoir/Sewage Treatment Plant/Ponds
	Wharf/Jetty/Marina ( <i>Yellow in Tengraph</i> )
	Yard (symbolised) ( <i>Yellow in Tengraph</i> )
	Yard (to scale) ( <i>Yellow in Tengraph</i> )

## ***Hydrology***

	Lake Permanent
	Minor Coastal Feature
	Miscellaneous Water Boundary
	Spring/ Soak
	Rockhole/Waterhole/Pool

[Back to Top of Page](#)

## ***Mining***

	Pipeline below ground (not water) ( <i>Yellow in Tengraph</i> )
	Pipeline above ground (not water) ( <i>Yellow in Tengraph</i> )
	Quarry/Mullock
	Tailings Pond/Settling Pond

[Back to Top of Page](#)

## **Detailed Topographic Features**






### ***Transport/Communication***

	Cutline/Fire Break/Seismic Survey Line
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### ***Cultural***













	Race Track
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### ***Relief***




	Cliff
	Breakaway
	Rockridge
	Rock Outcrop (Large)
	Rock Outcrop (Small)
	Sand Area
	Sandridge

### ***Hydrology***

	Braided Stream Area
	Flow Arrow (non- permanent/symbolised)
	Flow Arrow (permanent/symbolised)
	Foreshore Flats
	Named Claypan
	Lake (non- permanent)
	Offshore Rock

	Mangrove boundary
	Mangrove
	Marsh Area (Similar to swamp)
	Minor Watercourse (non-permanent)
	Minor Watercourse (permanent)
	Rapids
	Reef
	Swamp (non-permanent)
	Swamp Permanent
	Swamp Marsh Area (non-permanent)
	Tidal Flats
	Waterfall

***Mining***

	Salt Evaporator ( <i>Yellow in Tengraph</i> )
	Sand/Gravel Pit
	Conveyor ( <i>Yellow in Tengraph</i> )

[Back to Top of Page](#)

**Topographic Abbreviations**

Bore	B
Brook	Bk
Creek	Ck
Dam	D
Gnamma Hole	GH
Gully	Gy
Headland	Hd
Highway	Hwy
Inlet	In
Island	I
Islands	Is
Kilometre	Km
Lake	L

Microwave Repeater Station	MRS
Mount	Mt
Mountains	Mts
Passage (Hydro Only)	Pass
Peak	Pk
Peninsula	Pen
Plateau	Plat
Point	Pt
Pool	P
Railway	Rly
Range	Ra
Reef	Rf
Reservoir	Resvr
River	R
Road	Rd
Rock	Rk
Rock Hole	RH
Siding	Sdg
Soak	Sk
Spring	S
Springs	Sps
Strait	Str
Tank	T
Waterhole	WH
Well	W
Yard	Y

[Back to Top of Page](#)

## Land Category Abbreviations

***Special Land Categories*** - (For more detailed descriptions of Special Land Categories and Proposals please refer to the online document 'Description of Land Type Categories').
















[Back to Top of Page](#)

## Abbreviation examples

Aerial Landing Ground	Air Ldg Grd
Agriculture	Agric
Cemetery	Cemt
Church	Chur
Community Welfare Purposes	Com Wel Purp
Conservation	Cons
Country Automatic Exchange Site	C A X
Excepted or Exempt from Sale	E S
Foreshore	Fshore
Flora and Fauna	FL & F
Geological Monument Management	Geol Mon Mgmt
Government	Govt
Historical	Hist
Landscape Protection	Land Prot
National	Nat
Park	Pk
Preservation of Natural Formations	Pres of Nat Form
Protection of Geological Monument	Prot of Geol Mon
Public	Pub
Public Utility	PU
Rabbit Proof Fence	RPF
Railway	Rly
Recreation and Parkland Rehabilitation	Recn & Park rehab
Repeater	Rept
Requirements	Reqt
Rubbish	Rub
Sanitary	Sani
School	Sch
Sewage Pumping Station	Sew Pump Stn
Station	Stn
Stopping Place	Stop Pl
Transmitter	Trans
Trigonometrical	Trig
Use and Benefit of Aboriginal Inhabitants	U & B of AB Inh
Use and Requirements of the Minister for Works	U & Req of Min Works
Waste Water Treatment Site	W W Treat Site

[Back to Top of Page](#)

## Minedex Sites for Tengraph Display

	Mineral deposit/Exploration Site (open pit, underground, both, tailings re-treatment)
	Mine open pit, under developed or operating
	Mine open pit, care and maintenance or shutdown
	Mine underground, under development or operating
	Mine underground, care and maintenance or shutdown
	Mine both, under development or operating
	Mine both, care and maintenance or shutdown
	Process/Power plant or handling facility; under development or operating ; Powerplant
	Process/Power plant or handling facility; care and maintenance
	Mine tailings retreatment, under development or operating
	Mine tailings retreatment, care and maintenance or shutdown
	Historical Minesite (Pre 1986 gold mine or pre 1989 non-gold mine)
	Tailings Storage Facility, under development or operating
	Tailings Storage Facility, care & maintenance or shutdown
	Abandoned Minesite

## **Data Provisions - Acknowledgments**

**The provision of data from the following agencies is acknowledged.**

Landgate - *Geonoma Feature Names, Cadastral, Topographic and Native Title Information.*

Geoscience Australia, (GA) - *Topographic Information, Australian Maritime Boundaries and Magnetic Information.*

Australian Army - *Topographic Information.*

Department of Environment and Conservation, (DEC) - *Proposal and Special Category Land Information.*

Department of Water, (DOW) - *Proposal and Special Category Land Information.*

Western Power - *Carrier Information.*

Alinta - *Carrier Information.*

Telstra Corporation Limited - *Carrier Information.*

Public Transport Authority of WA - *Rail Corridor Information.*

Department of Fisheries - *Aqua Pearling Leases/Licenses.*

### **Disclaimer**

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[Back to Top of Page](#)