Queensland Government

Application for Mining Lease

Mineral Resources Act 1989

Form MMOL-14 Version 7

Permit Application (ID: 10011404) - COMPLETE

Lodged On: 14/12/2023 11:22 AM

PERMIT DETAILS

Permit name:	Dugald River Southwest
Permit type:	Mining Lease - Minerals
Permit term:	23 Years
Permit subtype:	Minerals - Prescribed Threshold Critical Minerals
General locality of the application:	Approx 85km NW of Cloncurry
Specific minerals:	Cobalt Ore, Copper Ore, Lead Ore, Zinc Ore, Silver Ore, Gold
Specific infrastructures:	Ancillary Power Generation,Road / access / right of way

PERMIT HOLDER DETAILS

Client name	Percent holding	Authorised
MMG DUGALD RIVER PTY LTD	100.000000000000	Yes

Holder address details:

Holder:	MMG DUGALD RIVER PTY LTD	**Address:**	C/-Hetherington Exploration & Mining Title Services (QLD) Pty Ltd PO Box 49 Spring Hill LPO
ACN:	083405556	**Town/City:**	Spring Hill
Email address:	[redacted]	**State:**	QLD
Business number:	[redacted]	**Postcode:**	4004
Mobile number:	[redacted]	**Country:**	Australia

Applicant or associate disqualified: No

Authorised Holder Representative (AHR) address details:

Name:	Hetherington Exploration & Mining Title Services (QLD) Pty Ltd	**Address:**	PO BOX 49 SPRING HILL LPO
		Town/City:	SPRING HILL
Email address:	[redacted]	**State:**	QLD
Business number:	[redacted]	**Postcode:**	4004
Mobile number:		**Country:**	Australia

PERMIT AREA

Size of area applied for (ha):	1075.0000
Size of surface area applied for (ha):	1075.0000
Local government area(s):	Cloncurry Shire Council, Cloncurry Shire Council
Has a datum post been inserted?	No
Datum post standard used:	GDA2020
Provide coordinates for the datum post:	refer to boundary description
Is surface area within the permit area required?	Whole.
Provide width of access (m):	30.00
Provide any relevant information about access including start and end points:	Refer to attachment

LAND INFORMATION DETAILS

Does this application involve the surrender of a granted permit in favour of whole or part of this application?	No
Is there any restricted land associated with this permit application?	No
Is the lease area within the surface of reserve?	No
Is the land applied for situated within an area of a greenhouse gas (GHG) permit?	No

Overlapping permits

Permit number	Holder	Status
EPM 12163	MMG DUGALD RIVER PTY LTD	GRAN
ML 2477	MMG DUGALD RIVER PTY LTD	GRAN
ML 2479	MMG DUGALD RIVER PTY LTD	GRAN
ML 2480	MMG DUGALD RIVER PTY LTD	GRAN
ML 2482	MMG DUGALD RIVER PTY LTD	GRAN
ML 2559	MMG DUGALD RIVER PTY LTD	GRAN
ML 90049	MMG DUGALD RIVER PTY LTD	GRAN
ML 90050	MMG DUGALD RIVER PTY LTD	GRAN
ML 90211	MMG DUGALD RIVER PTY LTD	GRAN
ML 90213	MMG DUGALD RIVER PTY LTD	GRAN
EPM 25757	ROSEBY COPPER PTY LTD	GRAN

Overlapping permits

Permit type	Permit number	Authorised holder	Expiry date
EPM	12163	MMG DUGALD RIVER PTY LTD	26/06/2025

Constrained lands

Type	Brief definition	Details of constraint
Endangered Regional Ecosystems	Where the application overlaps with a regional ecosystem that is endangered, additional requirements for the Environmental Authority may be required. Remnant 2019 regional ecosystems are vegetation communities in a bioregion that are consistently associated with a particular combination of geology, landform and soil.	For more information please contact the Queensland Herbarium, Department of Environment and Science, Brisbane Botanic Gardens.
RVM category A - vegetation offsets	This layer provides information about vegetation management activities within Queensland for landholders.	For more information please contact Department of Environment and Science.

NATIVE TITLE

Native title process:	Right to Negotiate
Determined native title claim:	Yes

PROPOSED DEVELOPMENT PLAN

Are you applying for a prescribed mineral mining lease?	Yes
Do you intend on mining a threshold amount in any 1 or more of the first 5 years of the mining lease or this mining lease is to be part of an existing mining project comprised of prescribed mineral mining leases?	Yes
Are you applying for a critical mineral as prescribed in the Mineral Resources Regulation 2013?	Yes
Will you be seeking a rent payment deferral for the first year?	No
Program or plan	Development plan
Duration:	5 Years

OBLIGATIONS

As the authorised holder representative, I understand and agree to the obligations associated with the permit: Yes

PAYMENT DETAILS

Fee type	Details	Amount ($)
APPMLMIN	Mining Lease - Minerals	1,800.94
ADVREVDL	Native title determined land advertisement	0.00
	Total Fee:	1,800.94

UPLOADED DOCUMENTS

Section	File name	Uploaded by	Date uploaded
AHR	Letter of authority - AHR	[redacted]	14/12/2023 09:50 AM
Financial Capability	Financial Commitment	[redacted]	14/12/2023 10:33 AM
Land availability	Adjoining land details	[redacted]	14/12/2023 10:13 AM
Permit area	Statement dealing permit location	[redacted]	14/12/2023 10:09 AM
Permit area	Map of boundaries and access	[redacted]	14/12/2023 10:09 AM
Permit area	Statement justifying the area	[redacted]	14/12/2023 10:08 AM
Permit details	Permit term justification statement	[redacted]	14/12/2023 09:47 AM
Technical capability	Technical capability statement	[redacted]	14/12/2023 10:33 AM
Financial Capability	Financial capability statement	[redacted]	14/12/2023 10:33 AM
General	Company structure	[redacted]	14/12/2023 09:49 AM
Land availability	Land details	[redacted]	14/12/2023 10:13 AM
Permit area	Access area file	[redacted]	14/12/2023 10:09 AM
Permit area	Statement detailing adjoining resource authorities and land parcel details	[redacted]	14/12/2023 10:09 AM
Permit area	Area file	[redacted]	14/12/2023 10:09 AM
Permit area	Surface area justification statement	[redacted]	14/12/2023 10:09 AM
Technical capability	Other resource commitment statement	[redacted]	14/12/2023 10:33 AM
Work program	Proposed development plan	[redacted]	14/12/2023 10:25 AM

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DATE: _____ **TIME:** _____

FEE Paid: _____ **RECEIPT no:** _____

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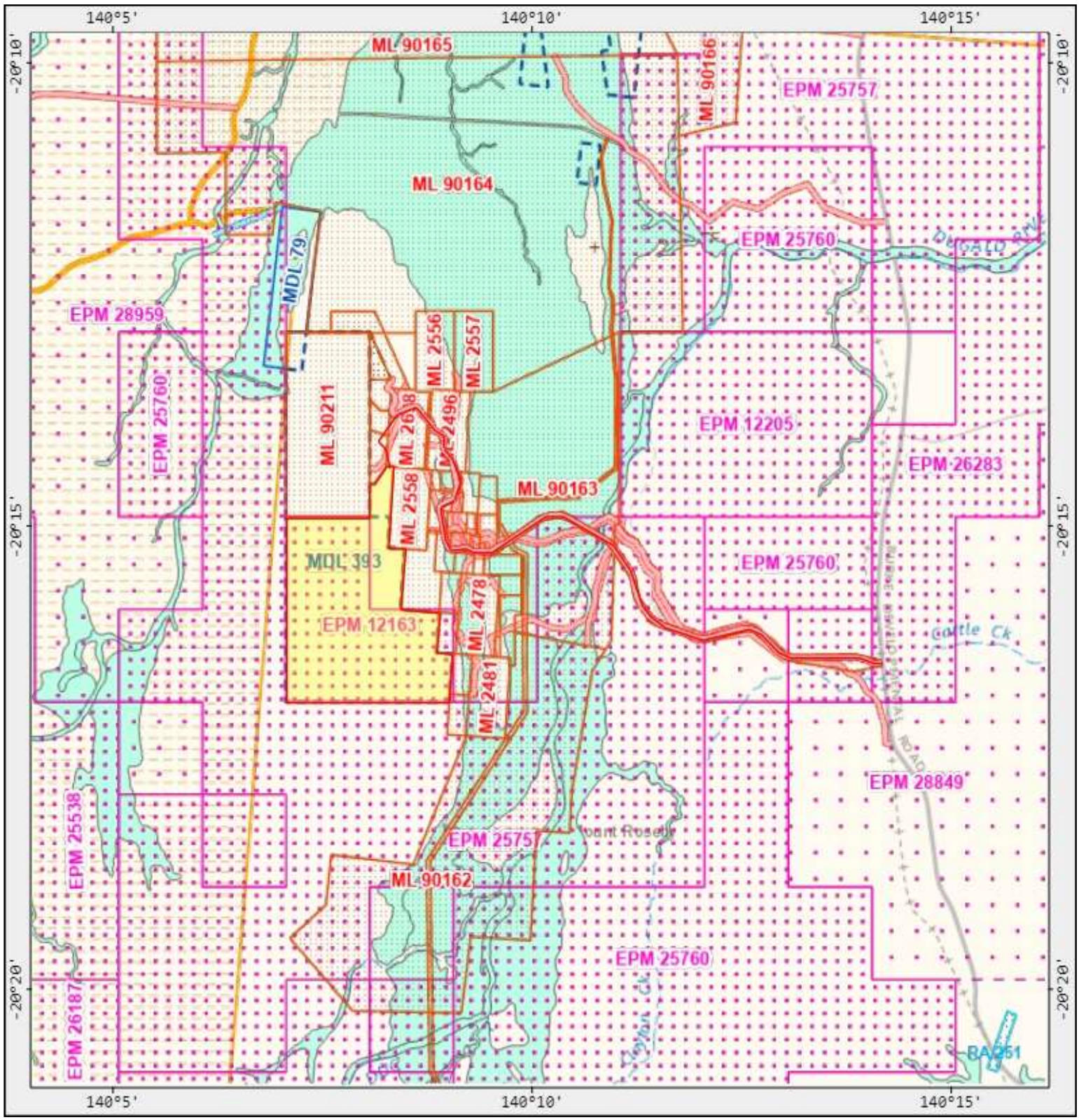
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Queensland Government
Department of Resources

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Legend

- POLYGON-Area file (18).zip - poly
- POLYLINE-Access area file (6).zip - line
- Queensland special wildlife reserve
- Cultural Heritage designated landscape area

Coordinated Projects - The Coordinator General

- Current EIS project
- Current IAR project
- Completed EIS project
- Completed IAR project

- RVM category A - vegetation offsets; compliance notices; VDecs
- Commonwealth acquisition (unavailable)
- Conservation park
- Fish habitat area A
- Forest reserve
- National park
- Scientific purposes reserve
- Torres Strait protection zone
- World heritage area
- Commonwealth acquisition (constrained)
- Coordinated conservation area
- DAF research site
- Endangered regional ecosystem
- Fish habitat area B
- National heritage list
- Nature refuge
- Priority agricultural area
- Priority living area
- Queensland marine park
- Regional open space system
- Reserve
- Resources reserve
- State development area
- State forest
- State forest feature protection
- State forest park
- State forest scientific area

Attribution

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- Forest consent area
- Forest entitlement area A
- Forest management area
- Quarry resource
- Quarry resource access
- Plantation licence area
- Timber reserve
- State heritage place
- SCL criteria zone
- SCL criteria sub-zone
- SCL trigger map
- SEA
- SEA-designated precinct
- Surat Basin transitional area
- Wild rivers designated urban management area
- Wild rivers floodplain management area
- Wild rivers high preservation area
- Wild rivers nominated waterway
- Wild rivers preservation area
- Wild rivers special floodplain management area
- Wild rivers sub-artesian management area
- OEP application
- OEP granted
- EPC application
- EPC granted
- EPM application
- EPM granted
- EPM special application
- EPM special granted
- MDL permit application
- MDL access application
- MDL permit granted
- MDL access granted
- EPG application

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Legend

- EPG granted
- PGA application
- PGA granted
- EPQ application
- EPQ granted
- PSA granted
- ATP application
- ATP granted
- PCA application
- PCA granted
- ML infrastructure permit application
- ML infrastructure surface area application
- ML infrastructure access application
- ML infrastructure permit granted
- ML infrastructure surface area granted
- ML infrastructure access granted
- PPL application area
- PPL granted area
- PPL application centre line
- PPL granted centre line
- PFL application
- PFL granted
- MC permit application
- MC access application
- MC permit granted
- MC access granted
- ML permit application
- ML surface area application
- ML access application
- ML permit granted
- ML surface area granted
- ML surface restricted land granted
- ML access granted
- PL application

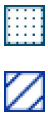
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Legend

- PL granted
- GL application
- GL granted
- QL application
- QL granted
- Moratorium area mineral
- Moratorium area special
- EPG advertised area
- GL advertised area
- EPQ advertised area
- QL advertised area
- ATP advertised area
- PL advertised area
- EPC advertised area
- ML coal advertised area
- EPM advertised area
- ML mineral advertised area
- EPG proposed advertised area
- GL proposed advertised area
- EPQ proposed advertised area
- QL proposed advertised area
- ATP proposed advertised area
- PL proposed advertised area
- EPC proposed advertised area
- ML coal proposed advertised area
- EPM proposed advertised area
- ML mineral proposed advertised area
- Historical MDL extent
- MSES legally secured offset area [offset register]
- Designated fossicking land
- General permission area
- Mining policy decision
- Miscellaneous noting
- Restricted area

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Legend



TENEMENT BOUNDARY, SURFACE AREA AND ACCESS DESCRIPTION
DUGALD RIVER SOUTHWEST MLA

MLA Access Description

The access description for the Dugald River Southwest MLA commences at a point on the Bourke Developmental Road at co-ordinates (-20.27474°, 140.23647°).
From the commencement point, the centreline of the access proceeds: -

- At a bearing of 259 degrees for approximately 63m, then -
- At a bearing of 263 degrees for approximately 59m, then -
- At a bearing of 274 degrees for approximately 60m, then -
- At a bearing of 288 degrees for approximately 61m, then -
- At a bearing of 299 degrees for approximately 77m, then -
- At a bearing of 292 degrees for approximately 70m, then -
- At a bearing of 284 degrees for approximately 62m, then -
- At a bearing of 280 degrees for approximately 59m, then -
- At a bearing of 272 degrees for approximately 84m, then -
- At a bearing of 270 degrees for approximately 595m, then -
- At a bearing of 270 degrees for approximately 601m, then -
- At a bearing of 269 degrees for approximately 85m, then -
- At a bearing of 275 degrees for approximately 78m, then -
- At a bearing of 286 degrees for approximately 80m, then -
- At a bearing of 292 degrees for approximately 74m, then -
- At a bearing of 303 degrees for approximately 87m, then -
- At a bearing of 313 degrees for approximately 98m, then -
- At a bearing of 315 degrees for approximately 203m, then -
- At a bearing of 316 degrees for approximately 153m, then -
- At a bearing of 308 degrees for approximately 88m, then -
- At a bearing of 300 degrees for approximately 84m, then -
- At a bearing of 291 degrees for approximately 92m, then -
- At a bearing of 279 degrees for approximately 97m, then -
- At a bearing of 272 degrees for approximately 99m, then -
- At a bearing of 260 degrees for approximately 61m, then -
- At a bearing of 256 degrees for approximately 103m, then -
- At a bearing of 254 degrees for approximately 514m, then -
- At a bearing of 257 degrees for approximately 88m, then -
- At a bearing of 267 degrees for approximately 101m, then -
- At a bearing of 277 degrees for approximately 97m, then -
- At a bearing of 286 degrees for approximately 105m, then -
- At a bearing of 289 degrees for approximately 237m, then -
- At a bearing of 289 degrees for approximately 388m, then -
- At a bearing of 294 degrees for approximately 96m, then -
- At a bearing of 300 degrees for approximately 98m, then -
- At a bearing of 304 degrees for approximately 67m, then -
- At a bearing of 308 degrees for approximately 99m, then -
- At a bearing of 314 degrees for approximately 100m, then -
- At a bearing of 320 degrees for approximately 95m, then -
- At a bearing of 325 degrees for approximately 103m, then -
- At a bearing of 331 degrees for approximately 117m, then -
- At a bearing of 338 degrees for approximately 108m, then -

- At a bearing of 344 degrees for approximately 119m, then -
- At a bearing of 348 degrees for approximately 211m, then -
- At a bearing of 344 degrees for approximately 101m, then -
- At a bearing of 334 degrees for approximately 102m, then -
- At a bearing of 325 degrees for approximately 108m, then -
- At a bearing of 323 degrees for approximately 226m, then -
- At a bearing of 324 degrees for approximately 211m, then -
- At a bearing of 319 degrees for approximately 76m, then -
- At a bearing of 313 degrees for approximately 67m, then -
- At a bearing of 306 degrees for approximately 75m, then -
- At a bearing of 299 degrees for approximately 211m, then -
- At a bearing of 299 degrees for approximately 623m, then -
- At a bearing of 297 degrees for approximately 94m, then -
- At a bearing of 290 degrees for approximately 91m, then -
- At a bearing of 282 degrees for approximately 96m, then -
- At a bearing of 272 degrees for approximately 97m, then -
- At a bearing of 263 degrees for approximately 103m, then -
- At a bearing of 253 degrees for approximately 96m, then -
- At a bearing of 244 degrees for approximately 90m, then -
- At a bearing of 237 degrees for approximately 89m, then -
- At a bearing of 235 degrees for approximately 458m, then -
- At a bearing of 236 degrees for approximately 233m, then -
- At a bearing of 239 degrees for approximately 73m, then -
- At a bearing of 246 degrees for approximately 87m, then -
- At a bearing of 243 degrees for approximately 159m, then -
- At a bearing of 235 degrees for approximately 68m, then -
- At a bearing of 222 degrees for approximately 39m, then -
- At a bearing of 264 degrees for approximately 42m, then -
- At a bearing of 270 degrees for approximately 344m, then -
- At a bearing of 283 degrees for approximately 45m, then -
- At a bearing of 304 degrees for approximately 41m, then -
- At a bearing of 305 degrees for approximately 32m, then -
- At a bearing of 297 degrees for approximately 28m, then -
- At a bearing of 283 degrees for approximately 31m, then -
- At a bearing of 269 degrees for approximately 31m, then -
- At a bearing of 258 degrees for approximately 129m, then -
- At a bearing of 260 degrees for approximately 94m, then -
- At a bearing of 273 degrees for approximately 39m, then -
- At a bearing of 289 degrees for approximately 35m, then -
- At a bearing of 301 degrees for approximately 38m, then -
- At a bearing of 323 degrees for approximately 43m, then -
- At a bearing of 337 degrees for approximately 49m, then -
- At a bearing of 346 degrees for approximately 47m, then -
- At a bearing of 334 degrees for approximately 47m, then -
- At a bearing of 345 degrees for approximately 89m, then -
- At a bearing of 351 degrees for approximately 90m, then -
- At a bearing of 356 degrees for approximately 85m, then -
- At a bearing of 348 degrees for approximately 76m, then -
- At a bearing of 348 degrees for approximately 121m, then -
- At a bearing of 346 degrees for approximately 161m, then -
- At a bearing of 8 degrees for approximately 52m, then -
- At a bearing of 52 degrees for approximately 95m, then -
- At a bearing of 59 degrees for approximately 68m, then -
- At a bearing of 70 degrees for approximately 60m, then -
- At a bearing of 80 degrees for approximately 50m, then -

- At a bearing of 59 degrees for approximately 42m, then -
- At a bearing of 40 degrees for approximately 43m, then -
- At a bearing of 18 degrees for approximately 48m, then -
- At a bearing of 10 degrees for approximately 73m, then -
- At a bearing of 25 degrees for approximately 140m, then -
- At a bearing of 41 degrees for approximately 13m, then -
- At a bearing of 23 degrees for approximately 100m, then -
- At a bearing of 334 degrees for approximately 415m, then -
- At a bearing of 337 degrees for approximately 64m, then -
- At a bearing of 319 degrees for approximately 227m, then -
- At a bearing of 332 degrees for approximately 49m, then -
- At a bearing of 1 degrees for approximately 37m, then -
- At a bearing of 2 degrees for approximately 16m, then -
- At a bearing of 21 degrees for approximately 30m, then -
- At a bearing of 11 degrees for approximately 25m, then -
- At a bearing of 10 degrees for approximately 60m, then -
- At a bearing of 349 degrees for approximately 46m, then -
- At a bearing of 327 degrees for approximately 57m, then -
- At a bearing of 300 degrees for approximately 55m, then -
- At a bearing of 295 degrees for approximately 3m, then -
- At a bearing of 295 degrees for approximately 66m, then -
- At a bearing of 306 degrees for approximately 15m, then -
- At a bearing of 306 degrees for approximately 42m, then -
- At a bearing of 319 degrees for approximately 59m, then -
- At a bearing of 334 degrees for approximately 75m, then -
- At a bearing of 317 degrees for approximately 7m, then -
- At a bearing of 317 degrees for approximately 52m, then -
- At a bearing of 317 degrees for approximately 16m, then -
- At a bearing of 312 degrees for approximately 48m, then -
- At a bearing of 312 degrees for approximately 73m, then -
- At a bearing of 312 degrees for approximately 1m, then -
- At a bearing of 325 degrees for approximately 122m, then -
- At a bearing of 326 degrees for approximately 89m, then -
- At a bearing of 320 degrees for approximately 43m, then -
- At a bearing of 292 degrees for approximately 49m, then -
- At a bearing of 267 degrees for approximately 68m, then -
- At a bearing of 255 degrees for approximately 80m, then -
- At a bearing of 243 degrees for approximately 81m, then -
- At a bearing of 243 degrees for approximately 53m, then -
- At a bearing of 241 degrees for approximately 153m, then -
- At a bearing of 220 degrees for approximately 58m, then -
- At a bearing of 209 degrees for approximately 249m, then -
- At a bearing of 223 degrees for approximately 225m, then -
- At a bearing of 204 degrees for approximately 85m, then -
- At a bearing of 241 degrees for approximately 46m, then -
- At a bearing of 192 degrees for approximately 15m, then -
- At a bearing of 114 degrees for approximately 56m, then -
- At a bearing of 131 degrees for approximately 64m, then -
- At a bearing of 142 degrees for approximately 95m, then -
- At a bearing of 165 degrees for approximately 122m, then -
- At a bearing of 184 degrees for approximately 109m, then -
- At a bearing of 166 degrees for approximately 51m, then -
- At a bearing of 150 degrees for approximately 71m, then -

- At a bearing of 149 degrees for approximately 35m, then to a point on the Northern boundary of the Dugald River Southwest MLA at co-ordinates (-20.23951°, 140.13840°)

External Boundary Description

Commencing from the NW corner point of the Dugald River Southwest MLA, being the South-West corners of the southern boundary of ML90211 (-20.24850°, 140.11784°) then-

- At an approximate bearing of 90 degrees for approx. 1741m, along the northern boundary of EPM 12163 (-20.24850, 140.13450) then-
- At an approximate bearing of 0 degrees for approx. 673m, along the eastern boundary of ML 90211 (-20.24242, 140.13450) then –
- At an approximate bearing of 90 degrees for approx. 102m, along the southern boundary of ML 90213 (-20.24242, 140.13548) then –
- At an approximate bearing of 37 degrees, for approx. 417m, along the south-eastern boundary of ML 90213 (-20.23935, 140.13779) then –
- At an approximate bearing of 94 degrees, for approx. 149m, along the southern boundary of ML 2638 (-20.23945, 140.13921) then –
- At an approximate bearing of 184 degrees, for approx. 1620m along the western boundary of ML 2558 (-20.25404, 140.13814) then –
- At an approximate bearing of 94 degrees, for approx. 347m, along the southern boundary of ML 2558 (-20.25426, 140.14146) then –
- At an approximate bearing of 184 degrees, for approx. 1211m, along the western boundary of ML 2559 (-20.26517, 140.14064) then –
- At an approximate bearing of 94 degrees, for approx. 805m along the southern boundary of ML 2559 (-20.26567, 140.14833) then -
- At an approximate bearing of 184 degrees, for approx. 805m along the western boundary of ML 2479 (-20.27293, 140.14779) then -
  At an approximate bearing of 94 degrees, for approx. 336m along the southern boundary of ML 2479 (-20.27314, 140.15100) then -
- At an approximate bearing of 184 degrees, for approx. 964m along the western boundaries of MLs 2480 and 2482, to a point on the southern boundary of EPM 12163 (-20.28183, 140.15035) then
- At an approximate bearing of 270 degrees, for approx. 3395m along the southern boundary of EPM 12163 to the southwestern corner of EPM 12163 (-20.28184, 140.11785) then –
- At an approximate bearing of 0 degrees, for approx. 3691m, along the western boundary of EPM 12163 back to the point of commencement.

Notes - The total area of the Dugald River Southwest MLA is approximately 1075 Ha
- The surface area of the Dugald River Southwest MLA is - whole
- The access width is 30m
- All listed bearings reference MGA2020

Figure 1 below is a locality sketch showing the location of the Dugald River Project,

Figure 2 below is a sketch showing the location of the existing Dugald River project tenements and the Dugald River Southwest MLA.

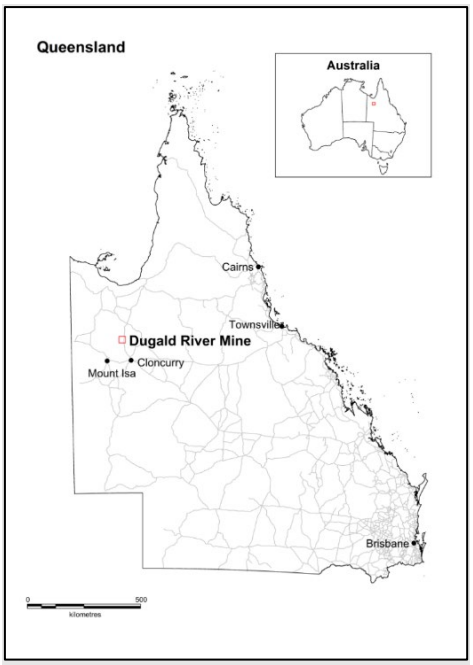


Figure 1 - Locality map of the Dugald River Mine

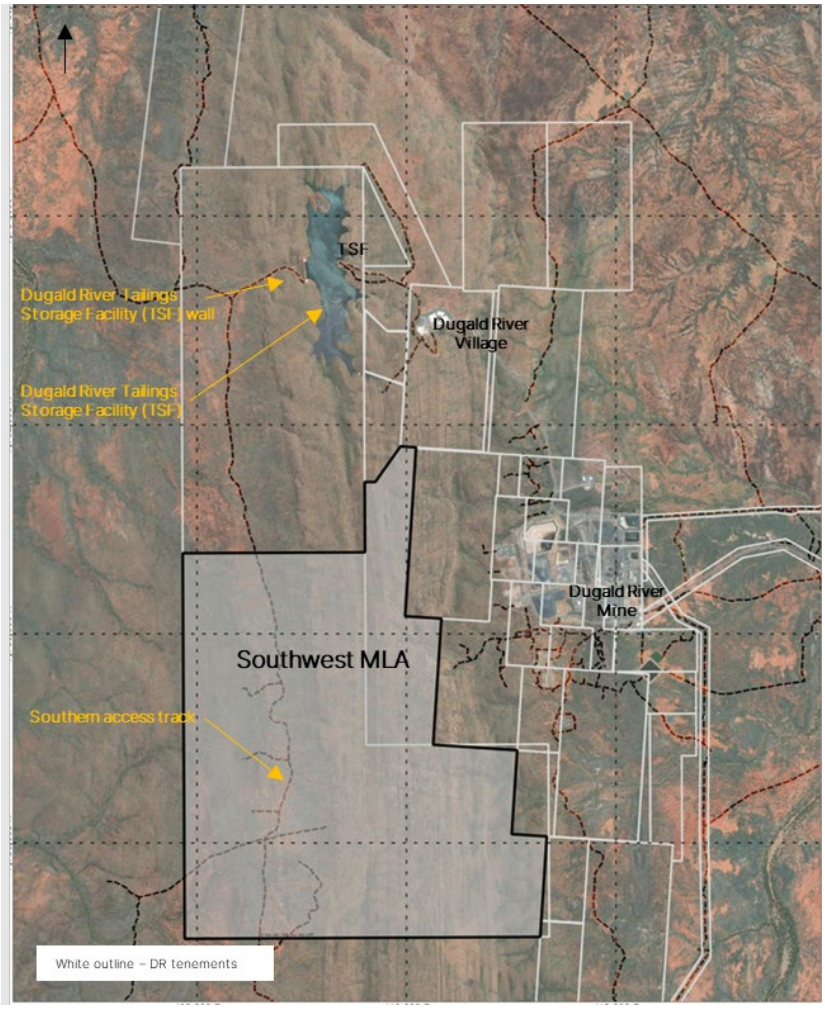


Figure 2 - Proposed ML outlined – showing southern access track to the Tailings Storage Facility and dam wall.

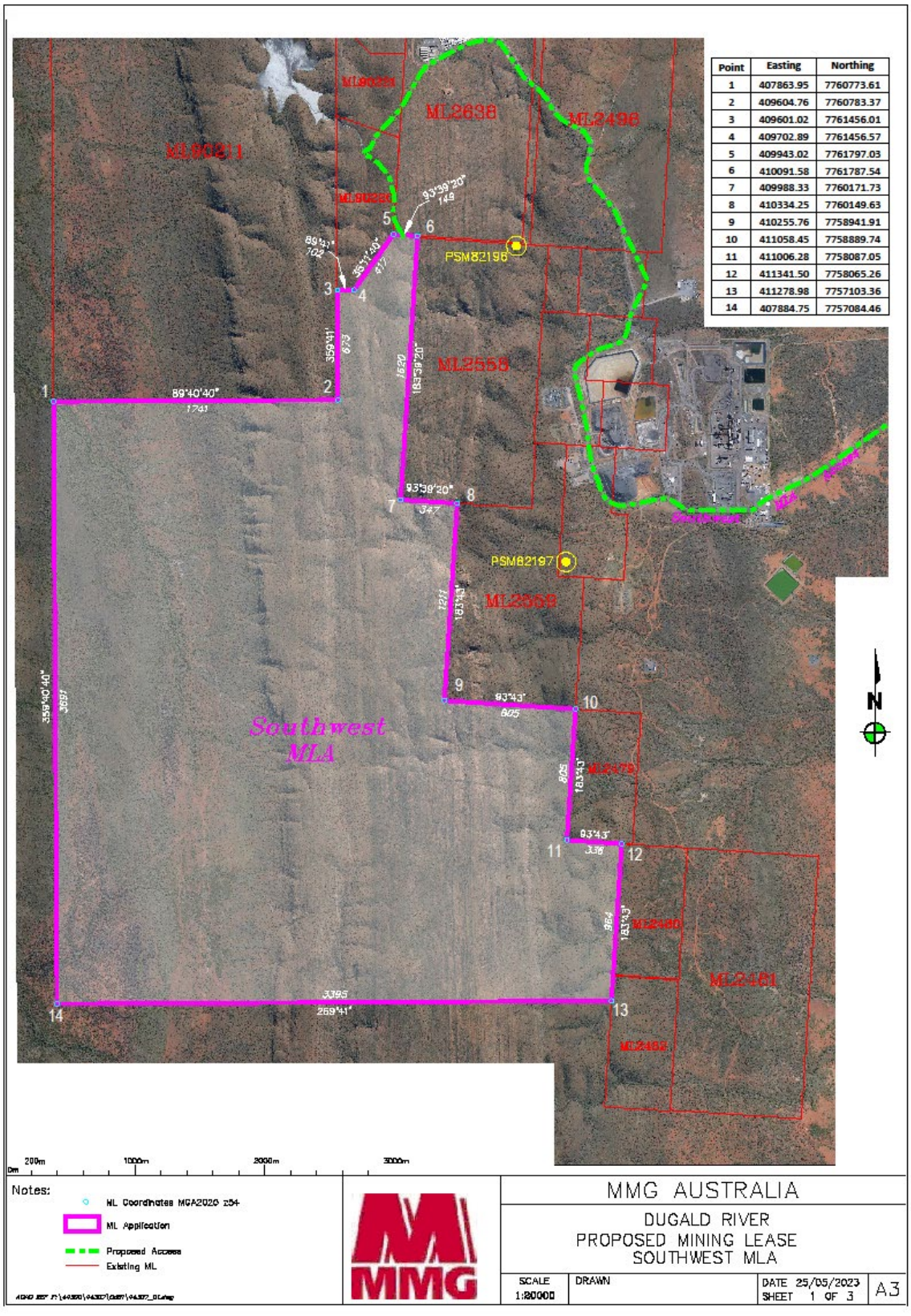


Figure 3: Southwest MLA - meets and bounds sketch

MMG Dugald River Pty Ltd

Dugald River Mine

Project Development Plan

For period: Five years from grant.

Company details: MMG Dugald River Pty Ltd, Regional Office, Development Road, Cloncurry QLD/ [redacted] Sept 2023

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1. Current operations and Justification

1.1 Operational overview of current activities

MMG Dugald River Pty Ltd (MMG) currently own and operate the Dugald Rive Mine, which consists of 1 EPM, 1 MDL and 40 individual ML's (Table 1). The mine is located approximately 65km northwest of Cloncurry, in North-West Queensland (Figure 1). Table 1 provides details of the current Dugald River Resource Authorities.

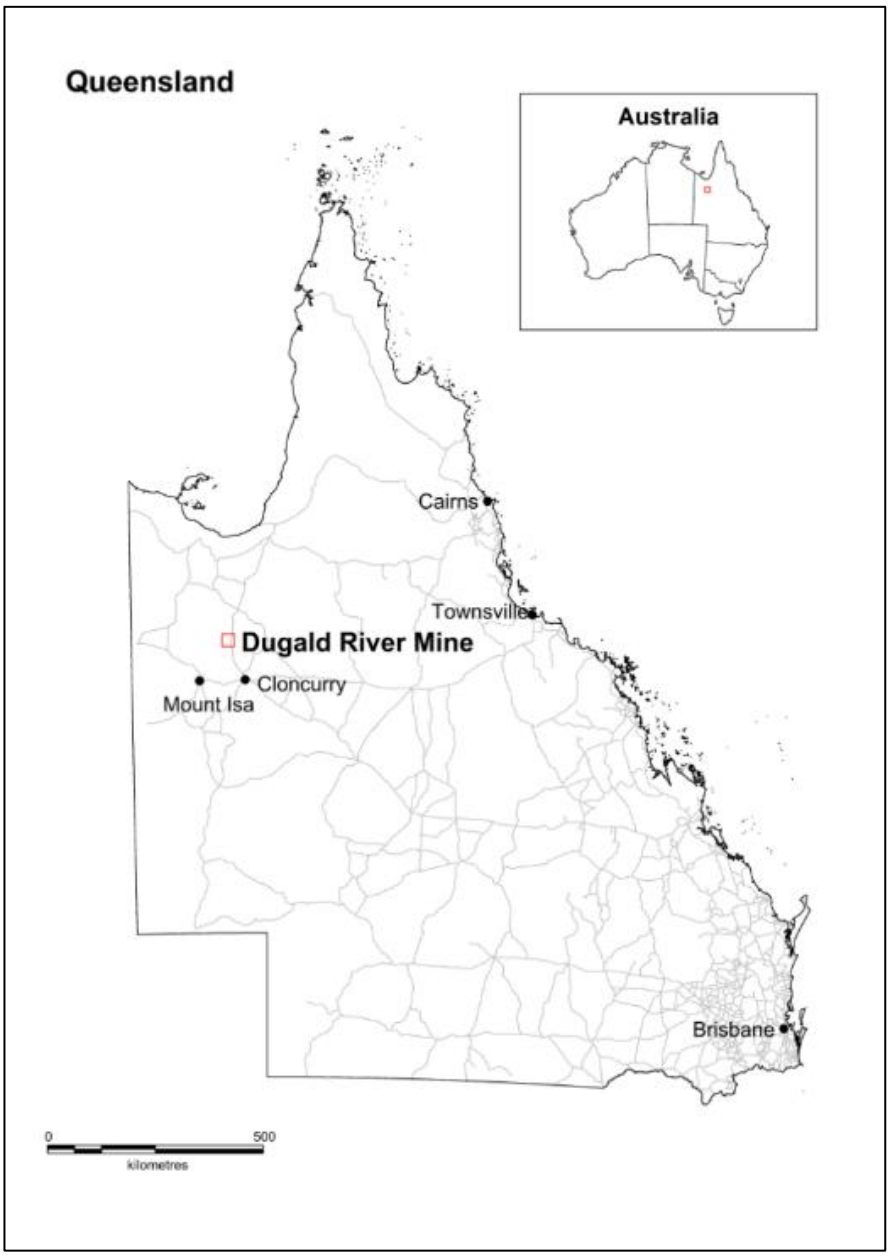


Figure 1 – Locality map of the Dugald River Mine

This IDP is lodged in support of the application for MLs 100359, 100382 and 100383. They will form part of the broader Dugald River Project which includes the resources authorities listed in Table 1 below.

Table 1 – Currently granted resource authorities included in Dugald River Project.

Lease	Lease Name	Status	Grant Date	Expiry Date	Area
EPM 12163	Knapdale	Granted	27.06.2003	26.06.2025	3 s/b
MDL 79	North Knapdale	Granted	30.09.1991	30.09.2026	227.5 ha
ML 2467	Dugald River 1	Granted	22.11.1973	30.11.2028	16.21 ha
ML 2468	Dugald River 2	Granted	15.11.1973	30.11.2028	16.21 ha
ML 2469	Dugald River 3	Granted	15.11.1973	30.11.2028	16.2 ha
ML 2470	Dugald River 4	Granted	22.11.1973	30.11.2028	16.19 ha
ML 2471	Dugald River 5	Granted	22.11.1973	30.11.2028	16.19 ha
ML 2477	Dugald 6	Granted	06.12.1973	31.12.2036	32.51 ha
ML 2478	Dugald 7	Granted	06.12.1973	31.12.2036	129.5 ha
ML 2479	Dugald 8	Granted	06.12.1973	31.12.2036	32.37 ha
ML 2480	Dugald 9	Granted	06.12.1973	31.12.2036	32.37 ha
ML 2481	Dugald 10	Granted	06.12.1973	31.12.2036	129.5 ha
ML 2482	Dugald 11	Granted	06.12.1973	31.12.2036	32.37 ha
ML 2496	Dugald River 6	Granted	17.07.1989	31.12.2036	129.5 ha
ML 2497	Dugald River 7	Granted	17.07.1989	31.12.2036	8.094 ha
ML 2498	Dugald River 8	Granted	17.07.1989	31.12.2036	29.06 ha
ML 2499	Dugald River 9	Granted	06.12.1973	31.12.2036	28.08 ha
ML 2500	Dugald River 10	Granted	17.07.1989	31.12.2036	28.35 ha
ML 2501	Dugald River 11	Granted	06.12.1973	31.12.2036	30.4 ha
ML 2502	Dugald River 12	Granted	06.12.1973	31.12.2036	31.64 ha
ML 2556	Clandestine 7	Granted	24.01.1974	31.01.2033	127.7 ha
ML 2557	Clandestine 8	Granted	24.01.1974	31.01.2033	129.2 ha
ML 2558	Clandestine 13	Granted	24.01.1974	31.01.2033	128.5 ha
ML 2559	Clandestine 14	Granted	24.01.1974	31.01.2033	98.71 ha
ML 2596	Dugald River 15	Granted	10.01.1974	31.01.2033	19 ha
ML 2599	Dugald River 57	Granted	24.01.1974	31.01.2033	44.77 ha
ML 2601	Dugald River 16	Granted	24.01.1974	31.01.2033	28.51 ha
ML 2638	Knapdale	Granted	20.09.1973	30.09.2035	122.5 ha
ML 2684	Dugald River 12	Granted	05.08.1976	31.01.2033	1.049 ha
ML 2685	Dugald River 13	Granted	05.08.1976	31.01.2033	2.51 ha
ML 7496	Dugald	Granted	30.07.1992	31.07.2032	24.8 ha
ML 90047	Knapdale 2	Granted	25.01.1995	31.01.2029	8.3620 ha
ML 90049	Dugald South 7	Granted	25.01.1995	31.12.2028	0.3088 ha
ML 90050	Dugald South 8	Granted	25.01.1995	31.12.2028	0.2174 ha
ML 90051	Scanlan 6	Granted	25.01.1995	31.01.2029	9.5870
ML 90211	Dugald TSF	Granted	04.10.2012	31.10.2033	643 ha
ML 90212	Dugald TSF1	Granted	04.10.2012	31.10.2033	100.5130 ha
ML 90213	Dugald TSF 2	Granted	04.10.2012	31.10.2033	31.6854 ha
ML 90218	Dugald WPIPE	Granted	13.11.2012	30.11.2033	43.6212 ha
ML 90220	Dugald PLINE	Granted	04.02.2013	28.02.2034	507.9494
ML 90230	DACCESS	Granted	04.10.2012	31.10.2033	120.8265 ha
ML 90237	Dugald TXS3	Granted	15.07.2013	31.07.2034	20.5025 ha

MMG owns and operates the Dugald River Mine on one of the largest and highest-grade known deposits of zinc, lead and silver in the world, located in north-west Queensland, approximately 65 kilometres north-west of Cloncurry. As reported in the 2022 MROR report, the deposit has a Mineral Resource of 61 million tonnes at 11.9% zinc, 1.1% lead and 23g/t silver.

The Dugald River Mine consists of an underground mine accessed by two declines (north and south). The operation was commissioned ahead of schedule and under budget with the first trucking of zinc concentrate occurring on 8 November 2017. Current underground development extends to approximately 650m below surface with the Inferred Resource more than 1km below surface.

The leases for the Dugald River Mine include road access, water pipeline and powerline leases to provide this critical infrastructure to the mine site. Concentrate produced from the mine is transported in containers by road train to a rail heading in Cloncurry where it is transported by rail to the port of Townsville for export or to a customer in Townsville. Some lead concentrate is transported by road to a customer in Mt Isa.

The operation has produced between 170,000 – 180,000 tonnes of zinc in concentrate per annum since operations commenced, with the milestone of 1 million tonnes of zinc concentrate achieved in November 2020.

Near-mine surface and underground drilling aims to extend the current resource base at depth. Extension of the known inferred mineral resource may allow for extension of mine life and may potentially support higher mining rates.

Ongoing exploration activities for Zn-Pb-Ag and Cu prospects on Dugald River EPM, MDL and mining leases, will provide further geological knowledge of the region, and ultimately lead to major mineral discoveries and therefore subsequent mineral extraction. These lease areas include some historical small-scale mining activities pre-dating, by many decades, the MMG and Dugald River Mine development.

In May 2021, applications to renew ML's 2477 to 2482 and 2496 to 2502 were lodged with the Department of Resources (DoR). An Initial Development Plan (IDP) for the Dugald River Project was lodged with DOR in accordance with the IDP transition provisions, to support the renewal applications.

The IDP was approved 10 December 2021, commencing 1 January 2022.

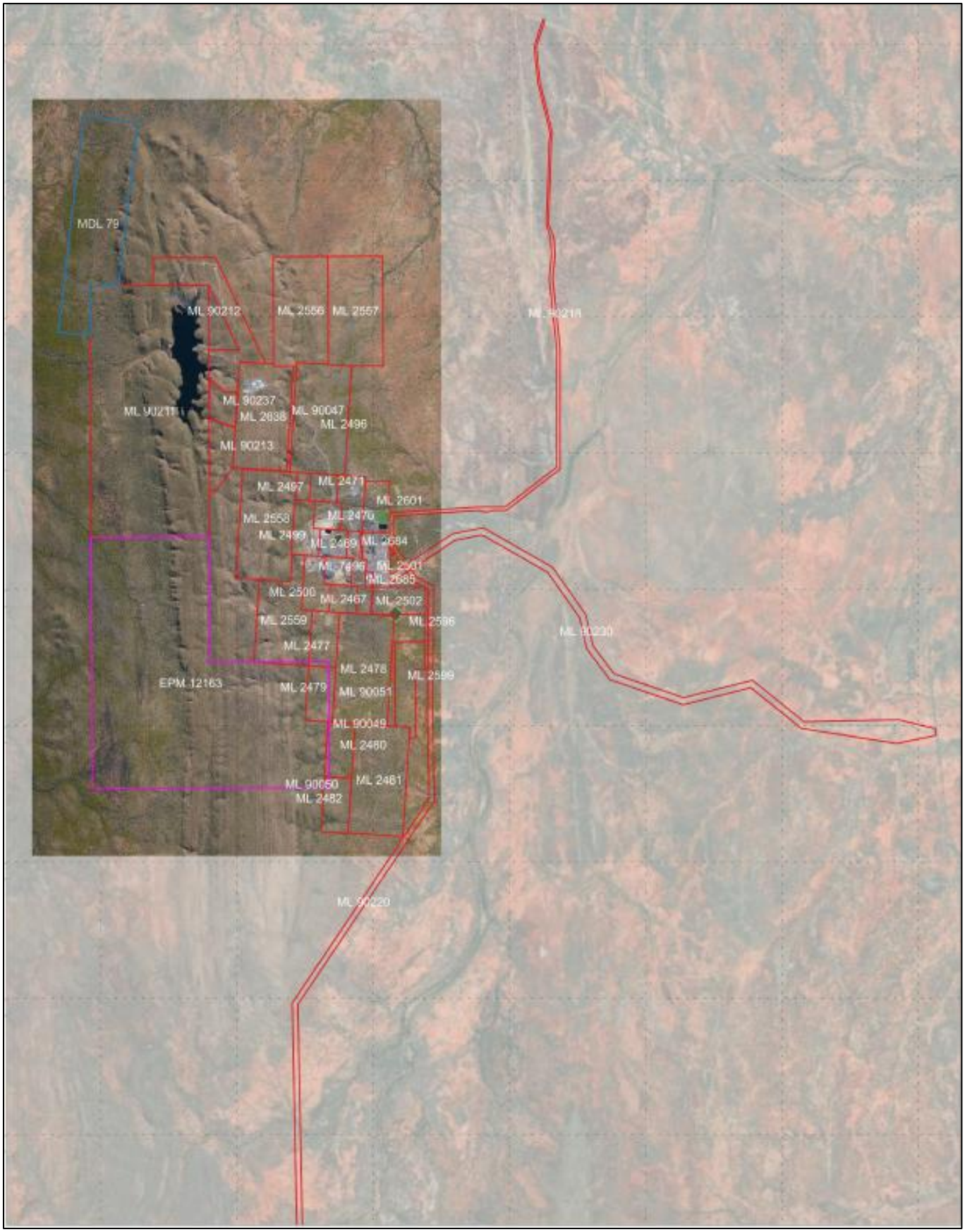


Figure 2 – Aerial image of the Dugald River Held Mining Leases

As stated, MMG has elected to apply for 3 additional Mining Lease Applications (MLAs). These will secure necessary ground to install required infrastructure for the project. The application areas include: -

- The Dugald River Southwest MLA (Minerals) (1075.40 Ha)
- The Dugald River Northwest MLA (Infrastructure) (21.13 Ha)
- The Dugald River Northeast MLA (Infrastructure) (43.53 Ha)

Dugald River Southwest MLA (ML100383)
Permit Type: Minerals - Prescribed Threshold Critical Minerals
Prescribed Purpose: Ancillary Power Generation, Road / access / right of way
Prescribed Minerals: Copper ore, gold, silver ore, lead ore, zinc ore, and cobalt ore

- Opportunity to optimise and possibly expand the proposed Renewable Wind Farm Project turbine locations and associated tracks and infrastructure.
- Maintain access to the road along the western boundary of the lease to the TSF allowing second access.
- Continue geological exploration activities across the ML to further build on known Zinc-Lead and Copper prospect targets.

Dugald River Northwest MLA (ML100359)
Permit Type: Infrastructure (Minerals)
Prescribed Purpose: Environmental dam, Road / access / right of way

- To support operational capacity of the northern discharge TSF line for additional catchment dams and associated access tracks and infrastructure
- To support development of access tracks for the site camp facility
- To support development of firebreak management of the camp facility

Dugald River Northeast MLA (ML100382)
Permit Type: Infrastructure (Minerals)
Prescribed Purpose: Living quarters / camp

- To support development of access tracks for the site camp facility
- To support development of firebreak management of the camp facility

The IDP lodged in support of the above applications essentially mirrors, the currently approved development plan but has been amended to include information relevant to the proposed MLA areas (Figure 3).

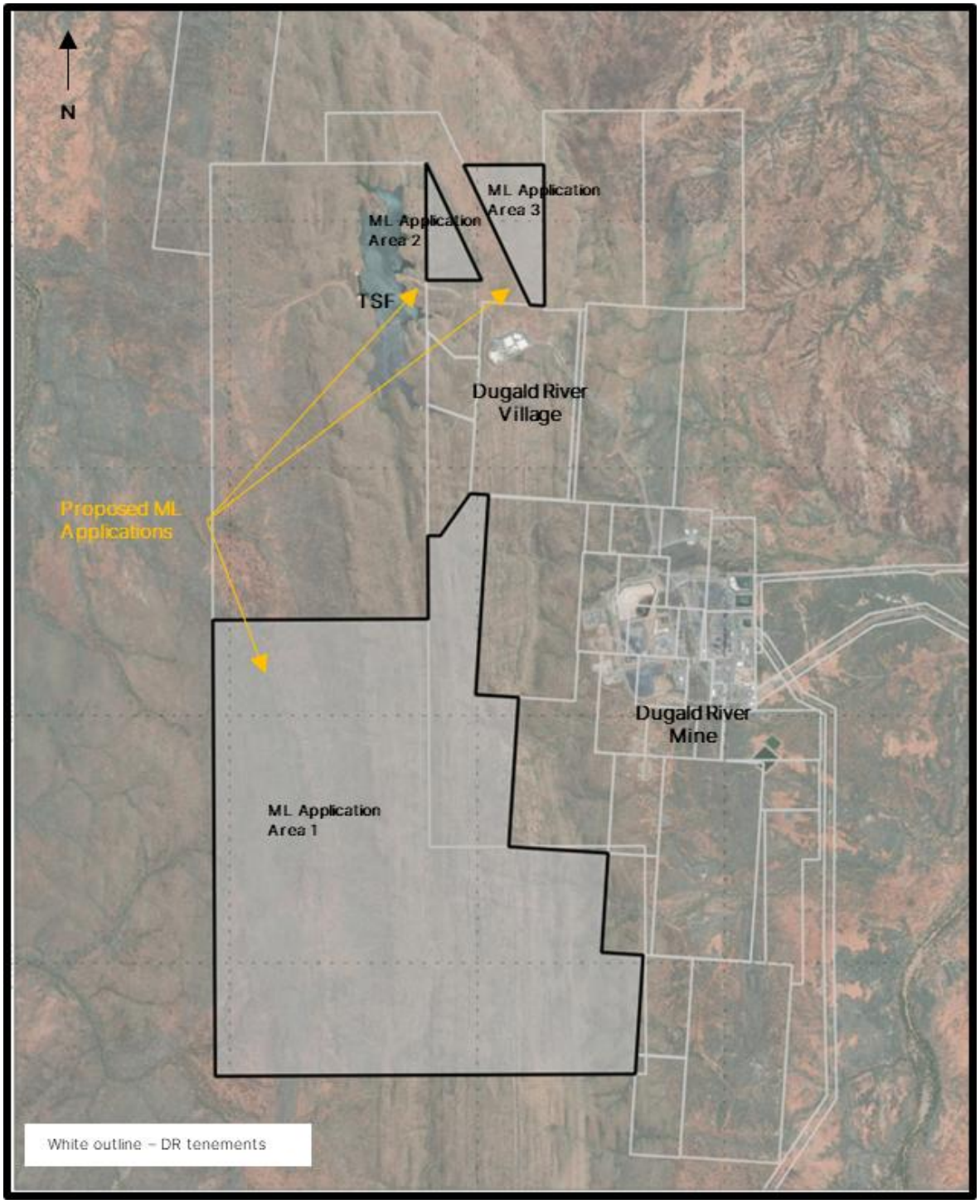


Figure 3 – Aerial view of the Dugald River existing tenements and the three proposed ML application areas

1.2 Plan period

This plan period is 5 years upon grant of the MLs. The next later development plan to be lodged after grant will incorporate these MLs into the broader project and supersede this IDP.

The Dugald River deposit consists of an underground mine accessed by two declines (north and south) (e.g. Figure 4). Ore is extracted via traditional underground stoping techniques at an annual rate of 1.8Mt. Current underground development extends around 650m below surface with the Inferred Resource reaching to more than 1km deep. The operation has produced between 170,000 – 180,000 tonnes of zinc concentrate per

annum. Based on this rate and the known resource, the Life of Mine (LOM) for Dugald River is currently planned out to 2046.

This revised development plan supports the applications for 3 new mining leases to be applied in the south-western and northern area of the Dugald River Project (Figure 3).

Dugald River Southwest MLA – Conversion of EPM12163 and adjacent vacant land parcel;

- This area does not contain any underground operations at this point.
- This area contains geological exploration targets that have been the focus as part of EPM 12163
- MMG maintains interest in the area to support ongoing renewables project optimisation and growth study options, as well as continuing exploration activities to further understand known prospects.

Dugald River Northwest MLA – N-W vacant land area;

- This area does not contain any underground operations at this point.
- This area is primarily required for necessary project infrastructure.

Dugald River Northwest MLA – N-E vacant land area;

- This area does not contain any underground operations at this point.
- This area is primarily required for necessary project infrastructure.

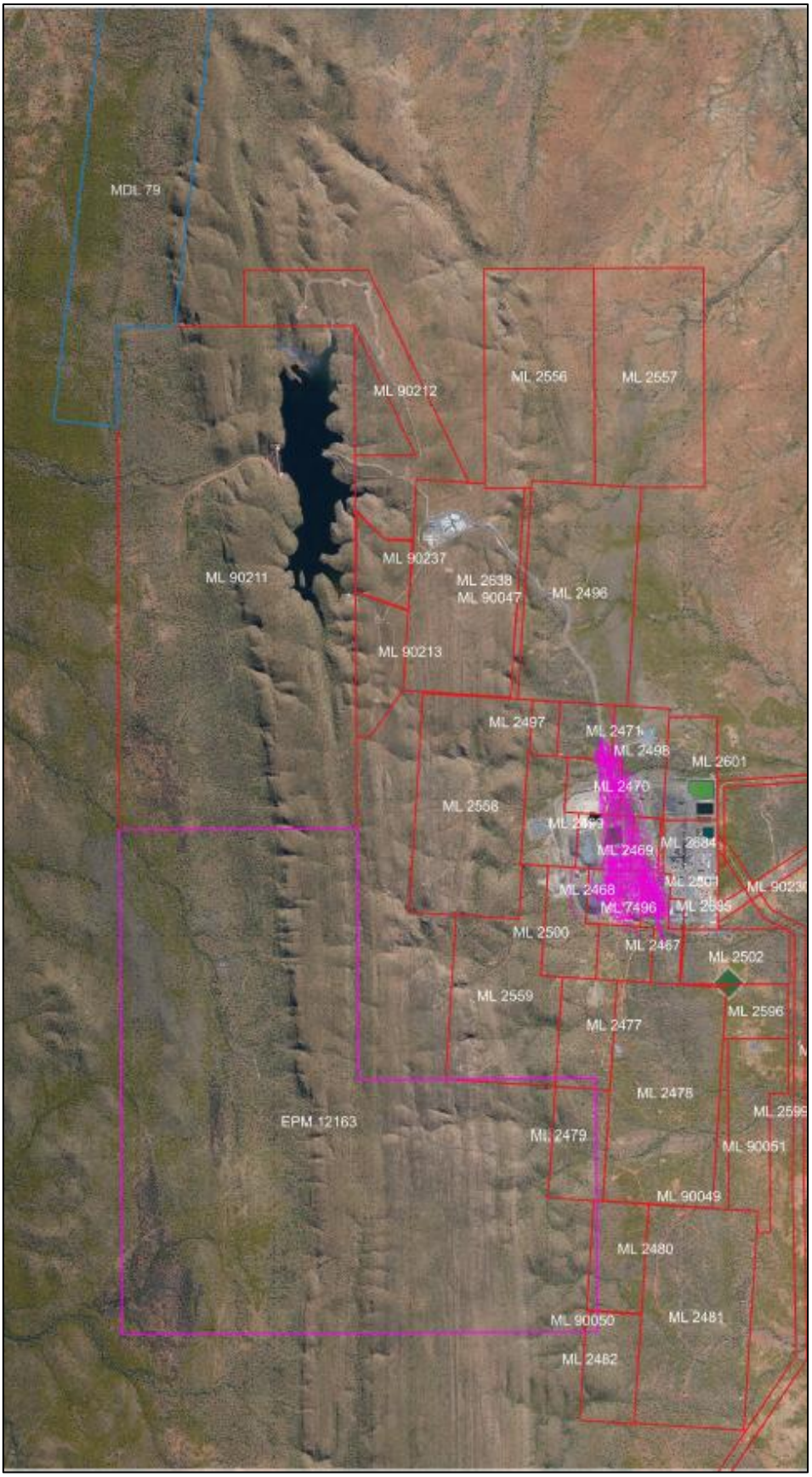


Figure 4 – Map of the Dugald River ML's and Underground working in "magenta".

1.3 Public Interest

The Dugald River operation currently employs around 800 employees and contractors on a mix of fly-in, fly-out and local residential basis.

Continued development of the Dugald River Mining operation and associated exploration and infrastructure activities to support, provide a significant benefit to the local community through direct employment in the form of site-based positions. MMG continues to promote local employment through ongoing advertisement within the local community as well as regular engagement with Cloncurry and Mt Isa businesses and councils. MMG Dugald River commitment to support local businesses will also see significant advantages through expansion and growth activities as part of the ongoing operations for the site.

MMG Dugald River is committed to the use of local suppliers ensuring the support of the local businesses and suppliers in the region.

Ongoing exploration activities of Zn-Pb-Ag and Cu-Co prospects will provide further geological knowledge of the Northwest Minerals Province, supporting the site to understand the Dugald River Mineral System. Ultimately, this work aims to support major mineral discoveries and subsequent mineral extraction, with flow on benefits from such activities for both the local communities and state.

1.4 Purpose of development plan

MMG has elected to apply for 3 additional MLAs. These will secure necessary ground to install required infrastructure for the project. The application areas include: -

- The Dugald River Southwest MLA (Minerals) (1075.40 Ha)
- The Dugald River Northwest MLA (Infrastructure) (21.13 Ha)
- The Dugald River Northeast MLA (Infrastructure) (43.53 Ha)

1.5 Reasons why the plan is considered appropriate.

MMG has been operating the Dugald River Mine since 2017 achieving annual production rates of >1.7Mt / annum at stable rates from the mine with overall Zinc production of 170-180kt annually. The sub level stoping mining method has been proved successful for the geological conditions and the required mining rates to support ongoing annual production from the mine. Site infrastructure and facilities are in place to support the operational activities of the mine.

MMG is currently reviewing options for higher mining and milling throughput rates based on recent understanding that significant growth opportunities are present for the deposit which would in turn facilitate expansion of the operation and support a >20-year mine life. It is expected that, since the deposit is open at depth, the actual mine life may be greater than this. The expansion of the mine will be based on current stoping methods (Longitudinal, Transverse and Avoca).

As part of MMG's commitment to achieving 40% reduction in emissions by 2030, Dugald River commenced a renewable energy study for the site in early 2022. This study has successfully gathered the support and endorsement of the MMG board in late 2022 and has entered into the feasibility stage in 2023. The project consists of 8 wind turbines to be installed across the Knapdale Range to the west of existing Dugald River

Operational area with additional access tracks and electrical infrastructure (powerlines and substations) to be installed to support. The proposed location of the wind turbines has been constrained to within existing Dugald River ML's and includes Dugald River Southwest MLA (ML 100383) once granted.

2. Geology and resource information

2.1 Geological Summary

2.1.1 Local Geology

The deposit is located within a 3-4 km along strike north-south trending high-strain domain named the Mount Roseby Corridor and is hosted by steeply dipping mid Proterozoic sediments of the Mary Kathleen Zone in the Eastern Succession of the Mount Isa Inlier. The host sequence is composed of the Knapdale Quartzite and the Mount Roseby Schist Group (which includes the Hanging wall calc-silicate unit, the Dugald River Slate (DRS) and the footwall argillaceous limestone/dolostone). The sequence is an interbedded package of greenschist to amphibolite grade metamorphosed carbonate and siliciclastic lithologies.

The main Dugald lode is hosted within a major N-S striking steeply west dipping shear zone which crosscuts the strike of the Dugald River Slate stratigraphy at a low angle. The lode pinches and swells in thickness along strike and to depth (Figure 5). Significant boudinage features reflect the strong structural influence to mineralisation. It is recognised that the previously modelled hanging wall and foot wall domains (1A, 2, 3, 4 and 5) are part of the main lens which anastomoses, splits and merges. All zinc and associated lead-silver mineralisation are governed by this geometry. The mineralised zone extends approximately 2.4 km in strike length and up to 1.4 km down dip.

The DRS hosts the Dugald Lode. The DRS are metasomatized and brecciated calcareous to carbonaceous slates. The shales are variably fractured, with a strong structural control to mineralisation. The lode and alteration halo crosscut the strike of the slate sequence at a low angle. The most significant zinc-lead-silver mineralisation is restricted to the breccias in the main lens with the hanging wall and footwall lenses hosting minor mineralisation. Breccia clasts are dominantly DRS. Three main mineralisation textures/types are recognised, including banded, slatey breccia, and massive breccia. The slatey and massive breccias dominate the south mine and exhibit extensive pinch and swell (Figure 5). The banded ore dominates the thinner steeply dipping northern section of the mine (Figure 6).

The mineralogy of the Dugald lode is typical of a slate-hosted base metal deposit. The main sulphides are sphalerite, pyrite, pyrrhotite and galena with minor arsenopyrite, chalcopyrite, tetrahedrite, pyrargyrite, marcasite and alabandite. The gangue within the lode is composed of quartz, muscovite, carbonates, K-Feldspar, clays, graphite, carbonaceous matter and minor amounts of calcite, albite, chlorite, rutile, barite, garnet, and fluorite.

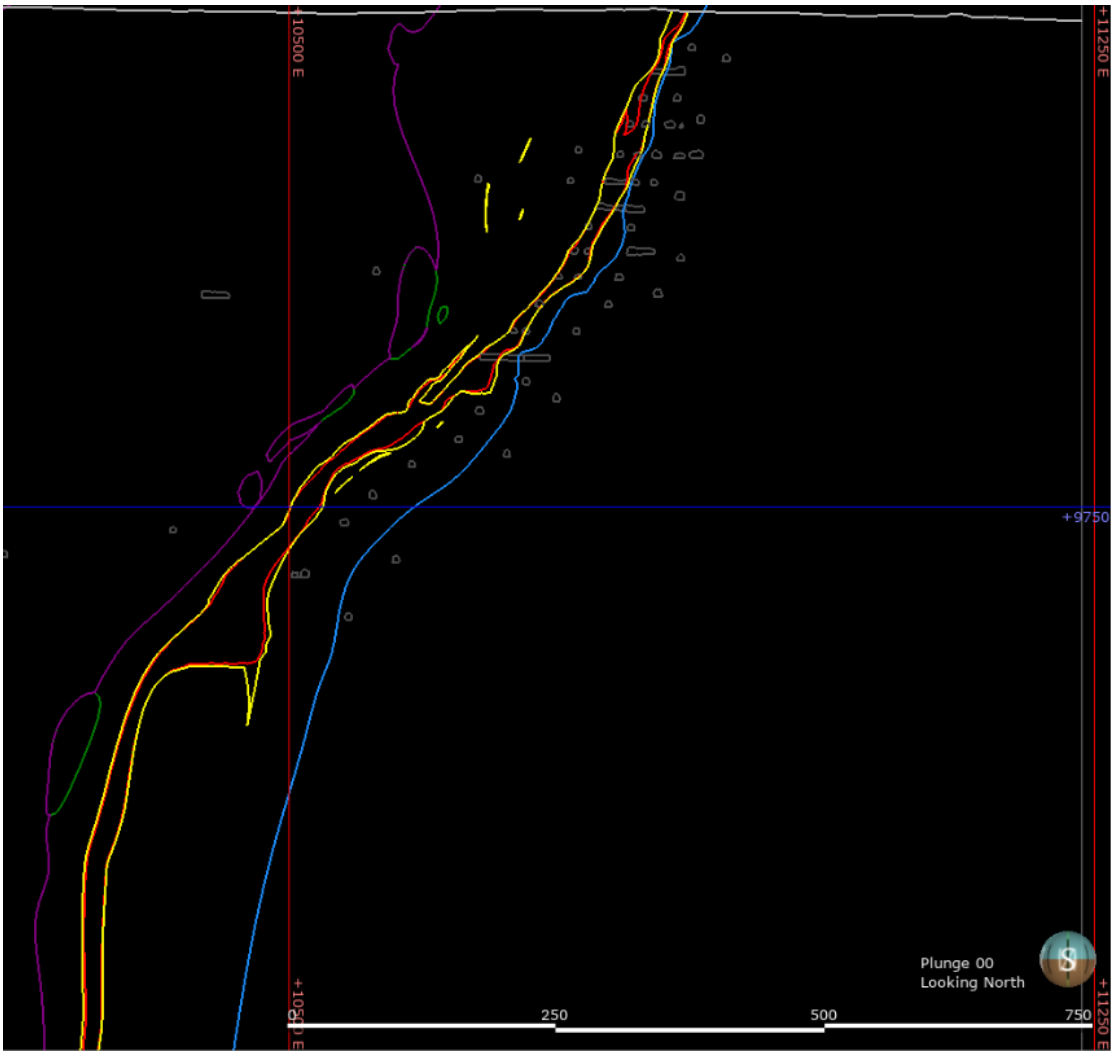


Figure 5 – Cross section 14110mN (local Dugald River mine grid) of the South Mine looking north – 1% zinc composite wireframes (yellow) with 7% zinc composite wireframes (red), development (grey), limestone contact (blue), calc-silicate contact (purple), mafic porphyry contact (green) with topography (grey).

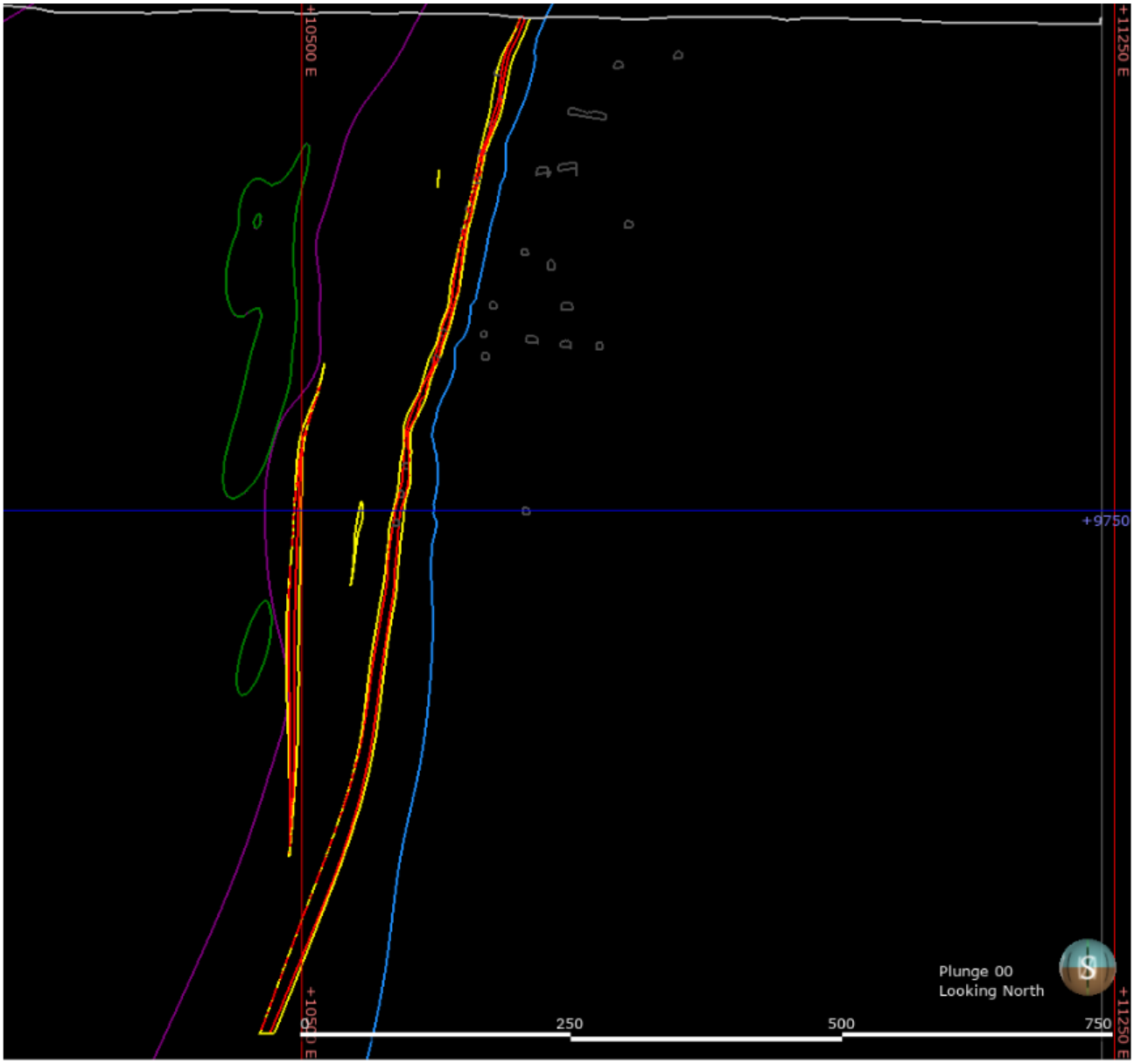


Figure 6 – Cross section 14960mN (local Dugald River mine grid) of the North Mine looking north – 1% zinc composite wireframes (yellow) with 7% zinc composite wireframes (red), development (grey), limestone contact (blue), calc-silicate contact (purple), mafic porphyry contact (green) with topography (grey).

2.2 Resource Estimation / Reserves

2.2.1 Location and estimation of mineral resources

The footprint of the Dugald River orebody covers the following ML's (Figure 7): -

- ML2496
- ML2498
- ML2499
- ML2500
- ML2501
- ML2502
- ML2471
- ML2470
- ML2469
- ML2468
- ML7496
- ML2467
- ML2477
- ML2478

Figure 8 below is a long section, looking west, of the Dugald River mineralisation lode showing blocks coloured by Kriging variance (KV) and the Measured, Indicated and Inferred wireframes used in selecting the 2022 Mineral Resource classification (Figure 8). Mineral resource estimates for Dugald River are shown in Table 2.

- Measured = green polygon
- Indicated = yellow polygon
- Inferred = red polygon

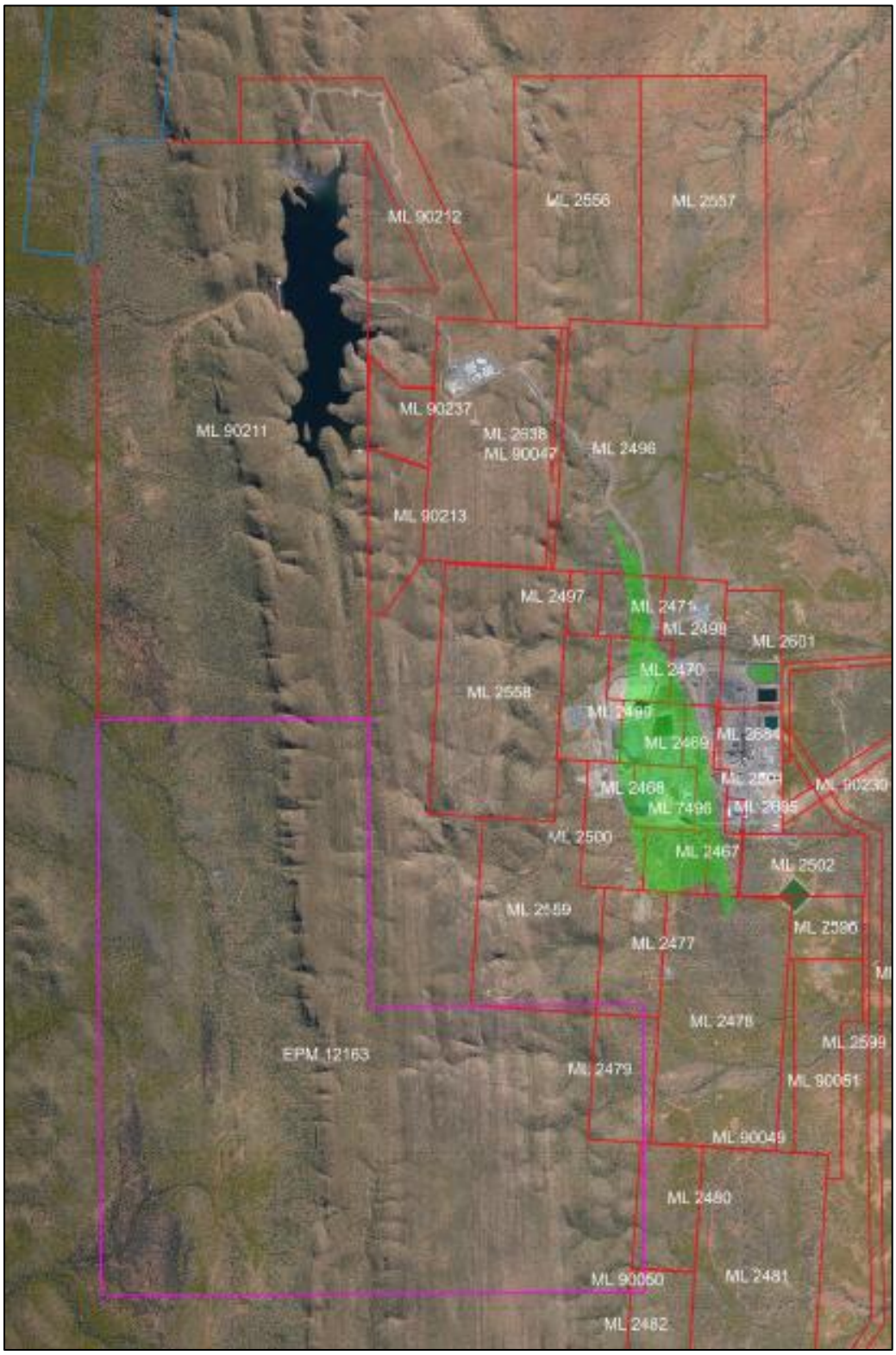


Figure 7 – Aerial view of DR ML's and ore body outline in "green"

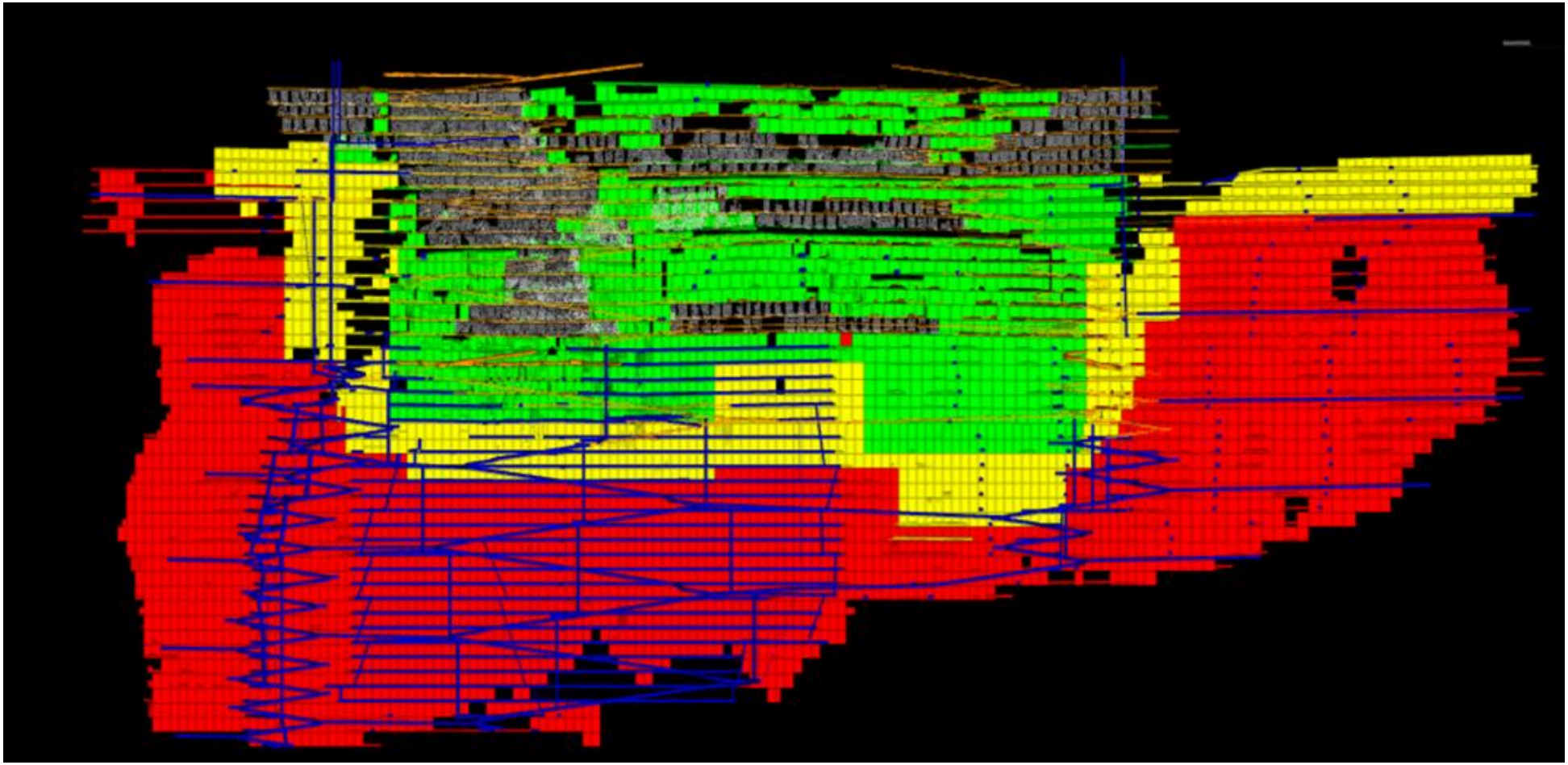


Figure 8 – Long section (Looking West) of 2022 Resource Classification for the Dugald River zinc wireframe (Measured – green, Indicated- yellow and Inferred -red)

Table 2 – Dugald River 2022 Mineral Resource Estimates

Dugald River Mineral Resource

2022							Contained Metal				
	Tonnes (Mt)	Copper (% Cu)	Zinc (% Zn)	Lead (% Pb)	Silver (g/t Ag)	Gold (g/t Au)	Copper ('000)	Zinc ('000)	Lead ('000)	Silver (Moz)	Gold (MoZ)
Primary Zinc[1]											
Measured	12		13.5	2.2	71			1,700	260	28	
Indicated	15		12.0	0.9	16			1,800	130	7.6	
Inferred	33		11.3	0.8	8			3,800	270	8.7	
Total	**61**		**11.9**	**1.1**	**23**			**7,200**	**660**	**44**	
Stockpiles											
Measured	0.02		9.9	1.6	40			2.2	0.4	0.03	
Total	**0.02**		**9.9**	**1.6**	**40**			**2.2**	**0.4**	**0.03**	
Total Primary Zinc	**61**		**11.9**	**1.1**	**23**			**7,200**	**660**	**44**	
Primary Copper[2]											
Inferred	4.5	1.5				0.1	68				0.02
Total	**4.5**	**1.5**				**0.1**	**68**				**0.02**
Dugald River Total							**68**	**7,200**	**660**	**45**	**0.02**

[1] $145/t NSR Cut-off, in-situ (less depletion and oxide material)

[2] 1% Cu Cut-off, in-situ (less depletion and oxide material)

Figures are rounded according to JORC Code guidelines and may show apparent addition errors.

Contained metal does not imply recoverable metal

The Dugald River Northwest and the Dugald River Northeast MLAs have been applied for infrastructure purposes only at this point. There are currently no defined JORC resources within the MLA areas.

2.3 Mineral resource estimation standards and procedures

Excerpts below are referenced from the MMG Mineral Resources and Ore Reserves Statement, 30th June 2022;

Mineral Resources and Ore Reserves for MMG have been estimated as at 30 June 2022 and are reported in accordance with the guidelines in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (2012 JORC Code) and Chapter 18 of the Listing Rules. Mineral Resources and Ore Reserves tables are provided on pages 4 to 8, which include the 30 June 2022 and 30 June 2021 estimates for comparison. The Measured and Indicated Mineral Resources are inclusive of those Mineral Resources that have been converted to Ore Reserves. All supporting data are provided within the Technical Appendix, available on the MMG website.

Mineral Resources and Ore Reserves information in this statement have been compiled by Competent Persons (as defined by the 2012 JORC Code). Each Competent Person consents to the inclusion of the information in this report, that they have provided in the form and context in which it appears.

MMG has established processes and structures for the governance of Mineral Resources and Ore Reserves estimation and reporting. MMG has a Mineral Resources and Ore Reserves Committee that regularly convenes to assist the MMG Governance and Nomination Committee and the Board of Directors with respect to the reporting practices of the Company in relation to Mineral Resources and Ore Reserves, and the quality and integrity of these reports of the Group.

3. Mine Planning and Compliance

3.1 Nature and extent of operations on an annual basis

Table 3 below provides details of the mining activities proposed to be conducted on the Dugald River MLs during this IDP period.

The Life of Mine long section is displayed in Figure 9 showing the orebody strike of ~2km's and to a depth in excess of 1km below the surface. Colouring in the long section outlines the mine stoping extraction plan for the next 5 years.

Table 3 – Schedule of Mining Activity for the Dugald River MLs during the IDP period

Year	Activity	Area / mine / pit
2023	Development Panel 5 B&D, A Block decline, A Block EXEs	ML2496 ML2471 ML2498 ML2470 ML2469 ML2468 ML2467 ML7496 ML2500
	Stoping 1-3D, 2-3B	ML2471 ML2470 ML2498 ML2469 ML2684 ML2468 ML2500
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500
	Development (wind farm and operations support)	ML100383, ML2558, Ml2559, ML90211, ML90213
	Geological growth and operations support	ML100383
2024	Development Panel 5 B&D, A Block decline, 2A, A Block EXDs, 2E ore drives	ML2496 ML2471 ML2470 ML2498 ML2469 ML2468ML2467ML2500ML7496
	Stoping 1-3D, 2-4B, Commence Stoping 4D	ML2470 ML2469 ML2468 ML2468ML2500 ML7496
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500
	Development (wind farm project and operations support)	ML100383, ML2558, Ml2559, ML90211, ML90213
2025	Development Panel 5 B&D, A Block decline, 2A, A Block EXDs, Complete 790 Link Drive	ML2496 ML2471 ML2470 ML2469 ML2468 ML2500 ML7496 ML2467
	Stoping 1-3D, 2-4B, Commence Stoping 2A, 5B	ML2470 ML2498 ML2469 ML7496 ML2468 ML2467 ML2500
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500
	Growth (exploration geophysics)	ML100383
2026	Development Panel 5 B&D, A Block decline, 3A ore drives	ML2496 ML2471 ML2470 ML2469 ML2468 ML2500 ML2467
	Stoping 1-5D, 3-4B, Commence 3A oredrives	ML2470 ML2469 ML2468 ML2500 ML2467 ML7496
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500
	Operations support	ML100359, ML100382
	Geological and operations support	ML100383
2027	Development of 2,3 &5E ore drives, Continue 4D ore drive development	ML2496 ML2471 ML2470 ML2469 ML2468 ML2500 ML2467
	Stoping 1-3D, 2-5B, 1-3A Commence Stoping 3A	ML2470 ML2469 ML2468 ML2500 ML2467 ML7496
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500
	Operations support	ML100359, ML100382
	Geological and operations support	ML100383

2028	Development of 2,3 &5E ore drives, Continue 4D ore drive development	ML2469 ML2471 ML2470 ML2469 ML2468 ML2500 ML2467
	Stoping 1-3D, 2-5B, 1-3A Commence Stoping 3E	ML2471 ML2470 ML2469 ML2484 ML2468 ML2500 ML2467 ML7496
	Development (Operations support)	ML100359, ML100382
	Resource Extension drilling of orebody	ML2478, 2477, 2479, 2481, 2480, 2496, 2499, 2497, 2500

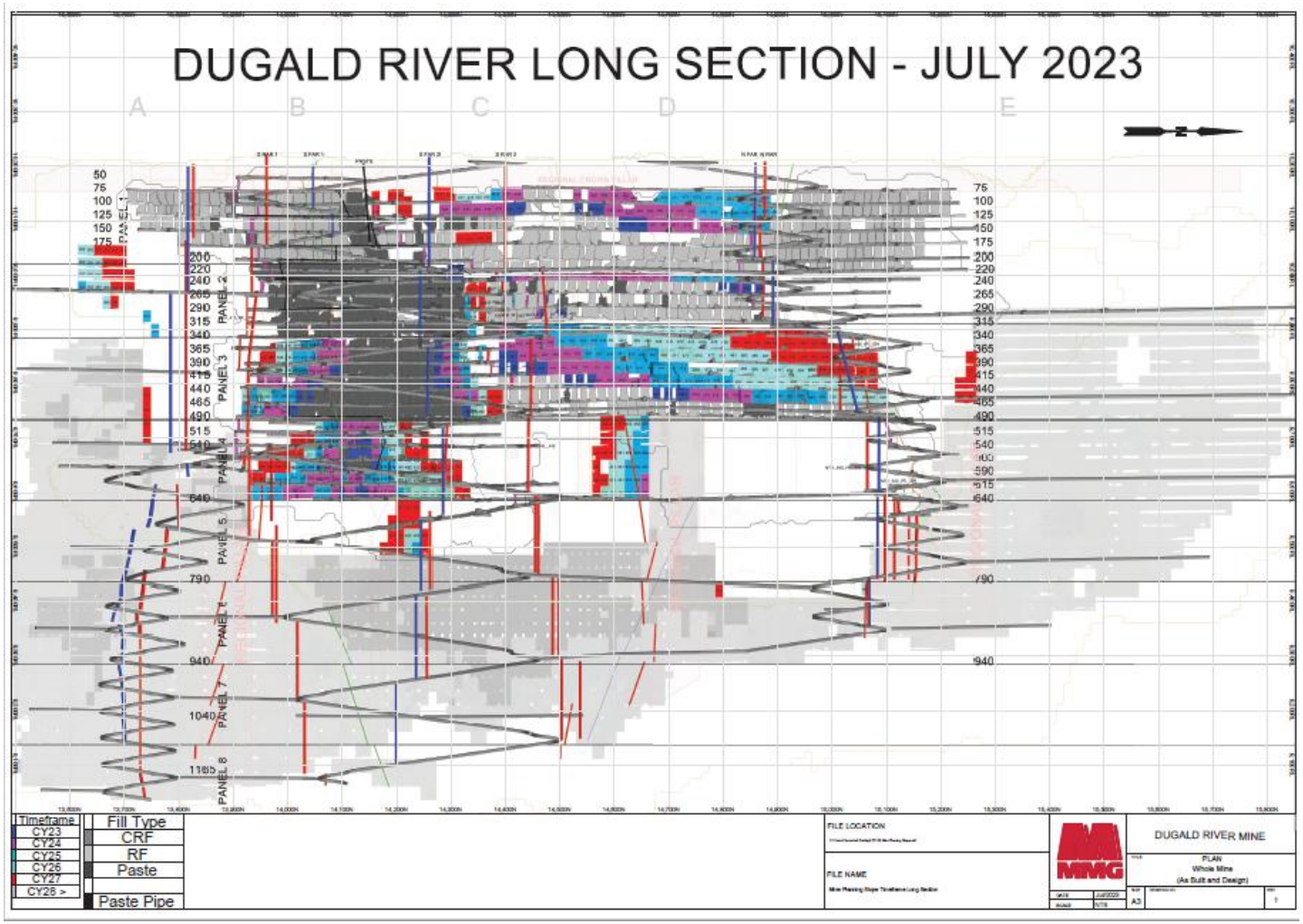


Figure 9 – Long section (looking West) of asbuilt mine and planned mine design. Planned stopes to 5 years are coloured by year (see legend), with completed stopes (dark grey), planned stopes of Inferred Resource (pale grey polygons), completed development (textured grey polygons), planned development (smoothed grey polygons) and vent and surface lines (blue and red traces).

3.2 Compliance with the current development plan

3.2.1 Compliance with the current development plan.

Not applicable.

3.2.2 Significant changes from the current plan

Not applicable.

4. Maps and spatial data

4.1 Map and spatial data requirements

Maps required	Map to include	Shapefiles
Mine plan	Current layout of the mine including pits, infrastructure, dumps, lease boundary and dams. Yearly mine development for the period of the plan. Include additional infrastructure, yearly pit boundaries and mining lease boundaries.	• Current mine plan – include pits and infrastructure. • Mine extraction sequence by year for the proposed plan period - mining strips, blocks or panels • Additional infrastructure to be built during the proposed plan period • Exploration target areas • Mine plan for the end of mine life – include residual pits and rehabilitated areas. • Historic mining (yearly strips, blocks, panels etc)
Resource Map	Remaining resources within the LDP ML's. Differentiate resource categories (e.g. measured, indicated and inferred). Pit boundaries and mining lease boundaries. Target minerals.	• Resource layers of the various confidence categories. (e.g. measured, indicated and inferred) • Resources exhausted
Local Geology	Outline of the local geological and structural features relevant to development activities. Refer to section 2.a.1.	• Local geology features • Target seams

The Shapefile guide is available at the following link under *'Area description guides':*
https://www.business.qld.gov.au/industries/mining-energy-water/resources/petroleum-energy/legislation-policies/policies-guidelines

Disclaimer:

The information requested in this document is for use in assessing an Initial Development Plan under the Mineral Resources Act 1989 (The Act). The Spatial information provided will be used internally only, will not be released publicly and will be treated as 'Financial and Technical' information under the Act.

This is a suggestion / example only. The content is not intended to replace or substitute legislation or relevant guidelines.

Any likeness of examples given in this template to real life cases is purely coincidental and not intentional.

LENGTH OF TERM STATEMENT

DUGALD RIVER SOUTHWEST MLA

MMG Dugald River Pty Ltd (MMG) currently own and operate the Dugald Rive Mine, which consists of 1 EPM, 1 MDL and 40 individual MLs. The mine is located approximately 85km northwest of Cloncurry, in North-West Queensland (Figure 1). This document has been prepared to provide necessary information to support the Dugald River Southwest Mining Lease Application (MLA) and includes details to justify the requested initial term of 23 years.

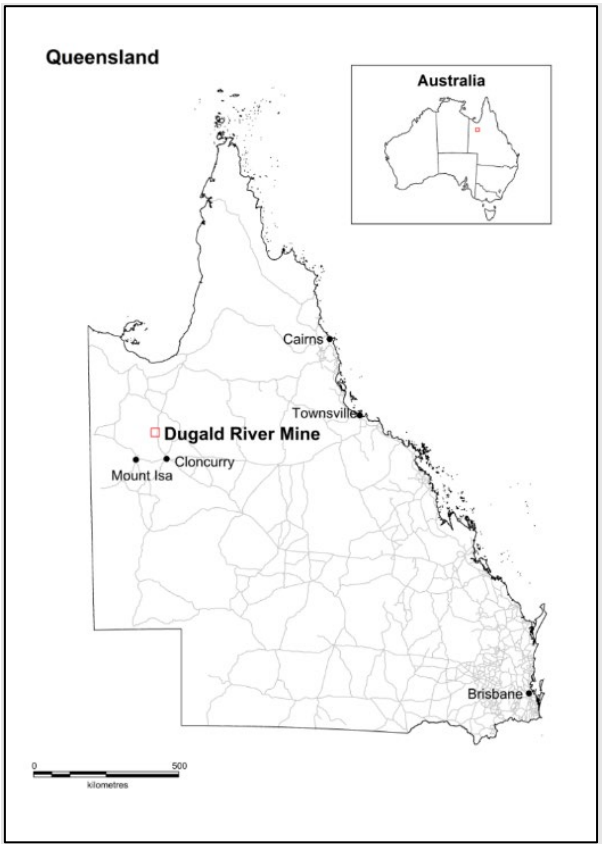


Figure 1 - Locality map of the Dugald River Mine

Access to the Dugald River Mine is via the sealed Burke Development Road from the township of Cloncurry. The area surrounding the mine consists of grazing land and low-lying hills.

The Dugald River deposit was first discovered in the 1880's, however it wasn't until the 1950's that systematic exploration activities were conducted. The first mining leases were granted over the area in the 1970's. In 2012 mine development activities commenced, with the mine commencing commercially operation in May 2018 by MMG Dugald River Pty Ltd.

The Dugald River deposit is one of the largest and highest-grade known deposits of zinc, lead and silver in the world. As reported in the 2022 MROR report, the deposit has a Mineral Resource of 61 million tonnes at 11.9% zinc, 1.1% lead and 23g/t silver.

Exploration activities continue to occur across the tenements held by MMG to the west, south and north of the existing operations. MMG is currently undergoing studies for mine expansion

opportunity's, involving exploration activities for base metals and renewable energy infrastructure to support the life of the operation.

MMG is seeking to apply for a mining lease for the purpose of securing ground for necessary project infrastructure to support optimisation and growth studies of Renewable Energy infrastructure (wind and solar), to continue exploration activities over know Zn-Pb and Cu-Co prospects, and continued access and maintenance of the TSF southern access track.

Years 1-2

- Ongoing Feasibility Study - Renewables Wind Farm project to optimise wind turbine and associated tracks and infrastructure.
- Exploration activities on known Zn-Pb and Cu-Co prospects, including geological mapping, sampling, geophysical studies and drilling.
- Ongoing maintenance of the southern TSF access track (located on the western edge of ML).

Years 2-4

- Renewables Wind Farm Project execution – construction activities.
- Exploration activities on known Zn-Pb and Cu-Co prospects, including geological mapping, sampling, geophysical studies and drilling.
- Ongoing maintenance of the southern TSF access track (located on the western edge of ML).

Years 5-23

- Operation of the Renewables Wind Farm facility providing power generation for the mine.
- Exploration activities on known Zn-Pb and Cu-Co prospects, including geological mapping, sampling, geophysical studies and drilling.
- Mining of defined mineral resources within MLA.
- Ongoing maintenance of the southern TSF access track (located on the western edge of ML).

The Dugald River deposit consists of an underground mine accessed by two declines (north and south). Ore is extracted via traditional underground techniques at an annual rate of 1.8Mt. Current underground development extends around 700m below surface with the Inferred Resource reaching around 1km deep. The operation has produced between 170,000 – 180,000 tonnes of zinc concentrate per annum. Based on this rate and the known resource, the Life of Mine (LOM) for Dugald River is currently planned out to 2046.

The proposed Renewables Wind Farm Project has an asset life of 25 years.

Based on these considerations MMG Dugald River has sought an initial term of 23 years for the Dugald River Southwest MLA to provide sufficient time to develop and operate the proposed Renewables Wind Farm and to align with the current LOM for the Dugald River Mine.

The total proposed area of the MLA is 1079 hectares or 10km^2 (Figure 2 and Figure 3).

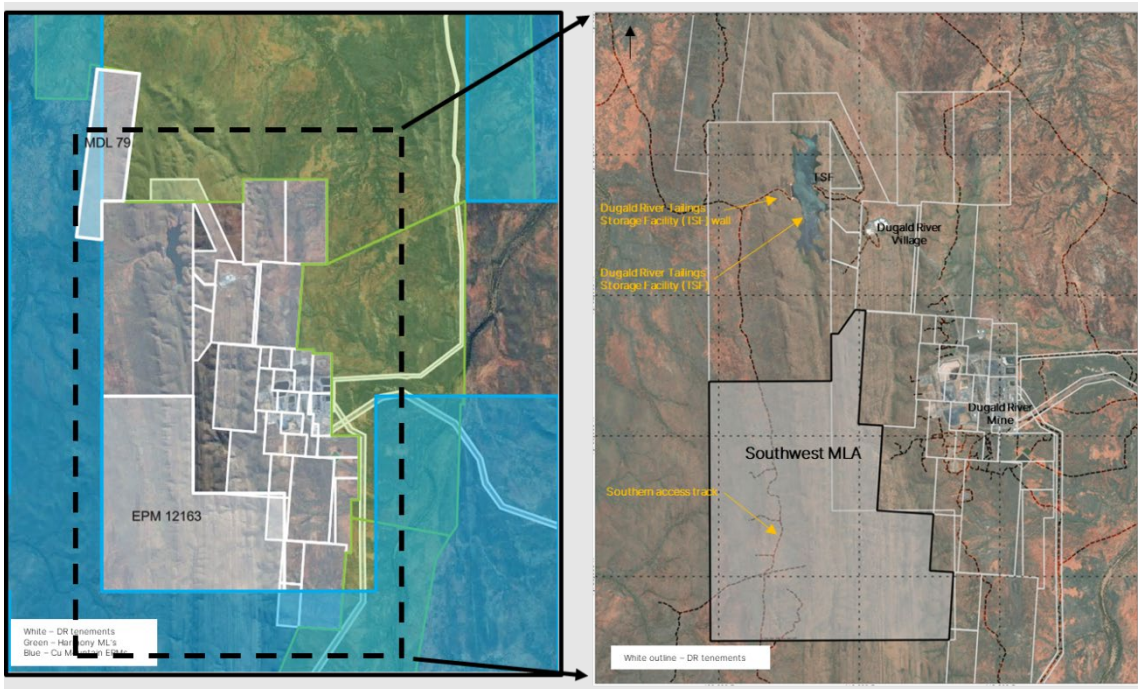


Figure 2 – Aerial image of the Dugald River Mine, existing tenements held by MMG Dugald River Pty Ltd (right) and the surrounding leases (left)

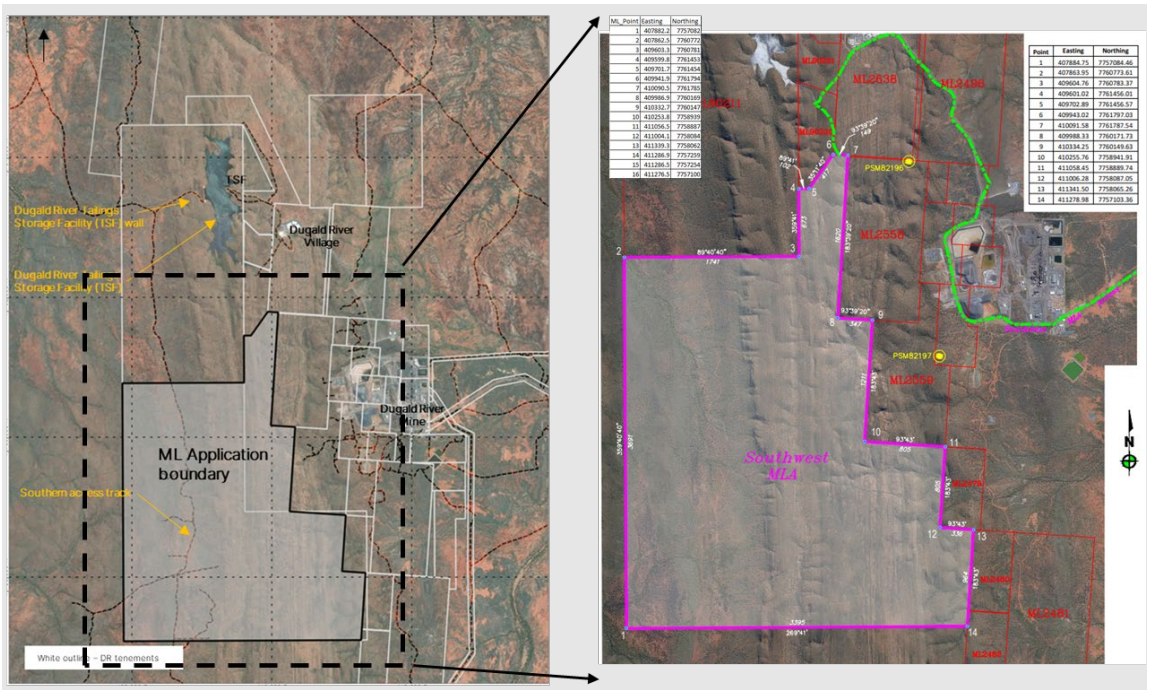


Figure 3 – Aerial image of the Southwest MLA boundary

SIZE AND SHAPE STATEMENT

DUGALD RIVER SOUTHWEST MLA

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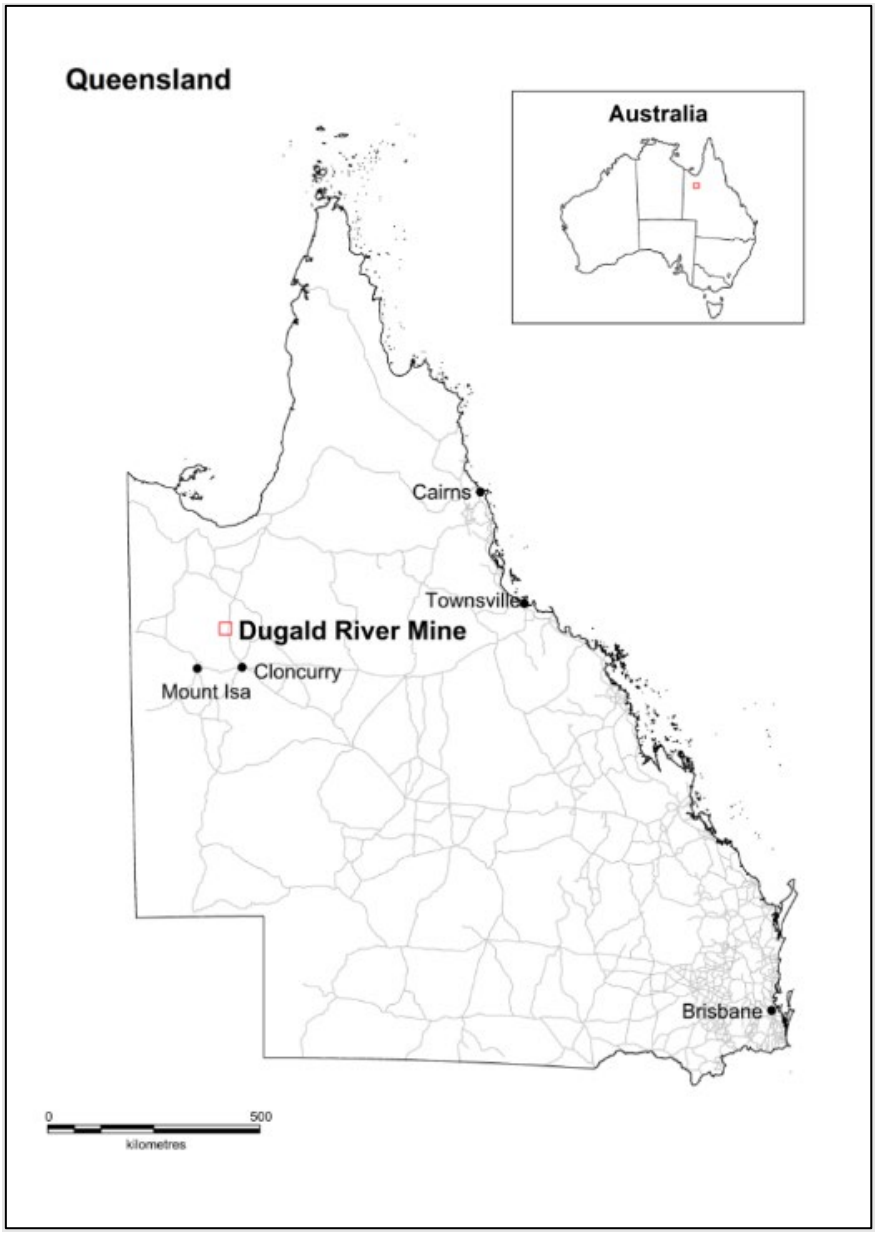


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The Dugald River deposit consists of an underground mine accessed by two declines (north and south). Ore is extracted via traditional underground techniques at a rate of 1.8Mt per annum. Current underground development extends around 650m below surface with the Inferred Resource reaching around 1km deep. The operation has produced between 170,000 – 180,000 tonnes of zinc concentrate per annum.

Exploration activities continue to occur across the project tenements held by MMG to the west, south and north of the existing operations. MMG is currently undergoing studies for mine expansion opportunity's, involving exploration activities for base metals and renewable energy infrastructure to support the life of the operation.

MMG has prepared and lodged the Dugald River Southwest MLA for the purpose of securing space for necessary project infrastructure to support optimisation and growth studies of Renewable Energy infrastructure (wind and solar), to continue exploration activities over known Zn-Pb and Cu-Co prospects, and to continue access and maintenance of the TSF southern access track (refer to figures 3 to 8).

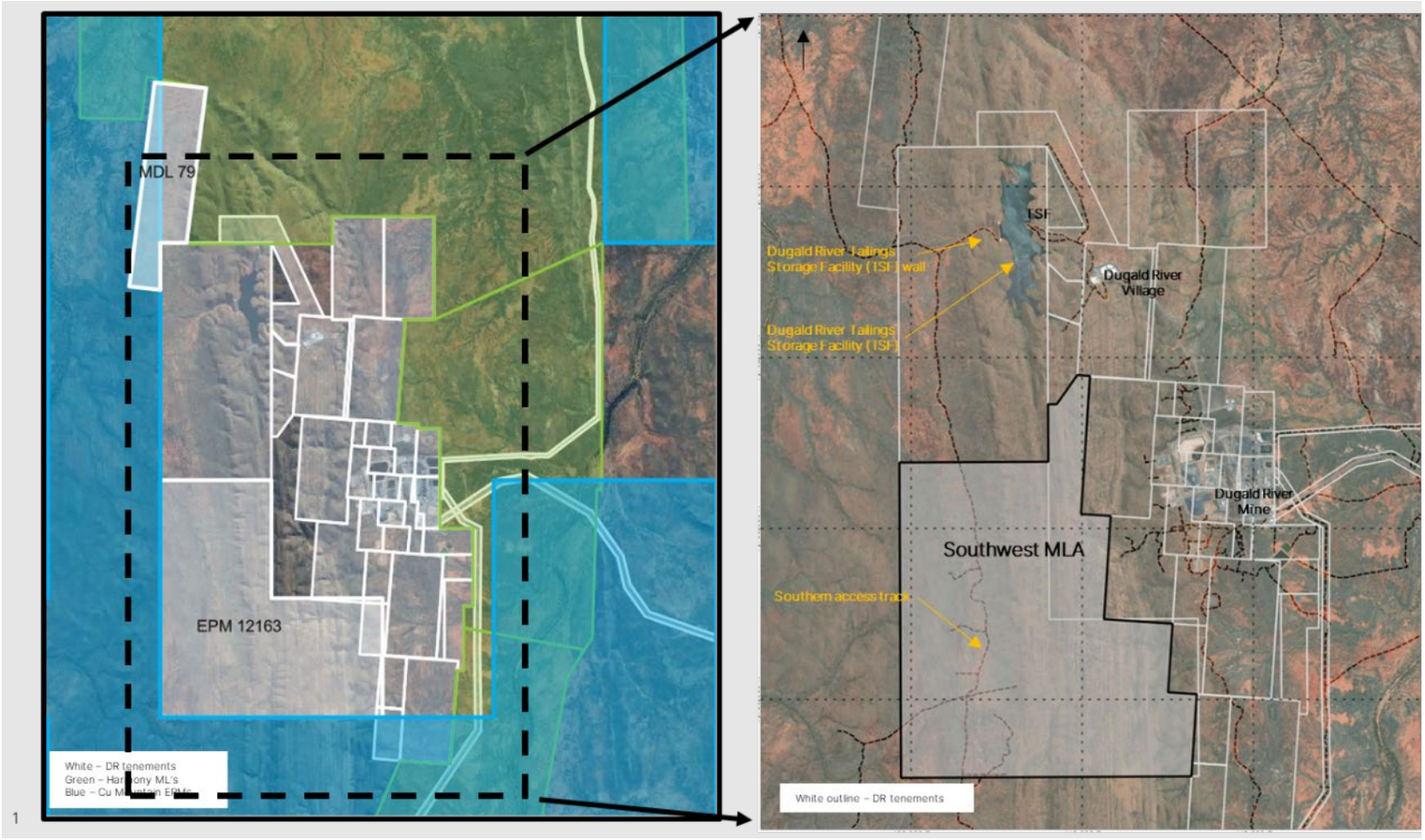


Figure 2 – Aerial image of the Dugald River Mine, existing tenements held by MMG Dugald River Pty Ltd and the Dugald River Southwest MLA (right) and the surrounding leases (left)

Existing Tenement Details

EPM 12163

EPM 12163 is the only Exploration Permit to be held by MMG Dugald River and currently consists of 3 sub-blocks, covering 9.7 sq. km (Figure 3). Pasminco applied for the tenure, which was originally granted in September 2003. Ownership transferred from Pasminco to Zinifex Ltd and then to Oz Minerals Ltd. In May 2009, China MinMetals (MMG) purchased certain Oz Minerals assets, including EPM 12163 and the Dugald River Mining Leases.

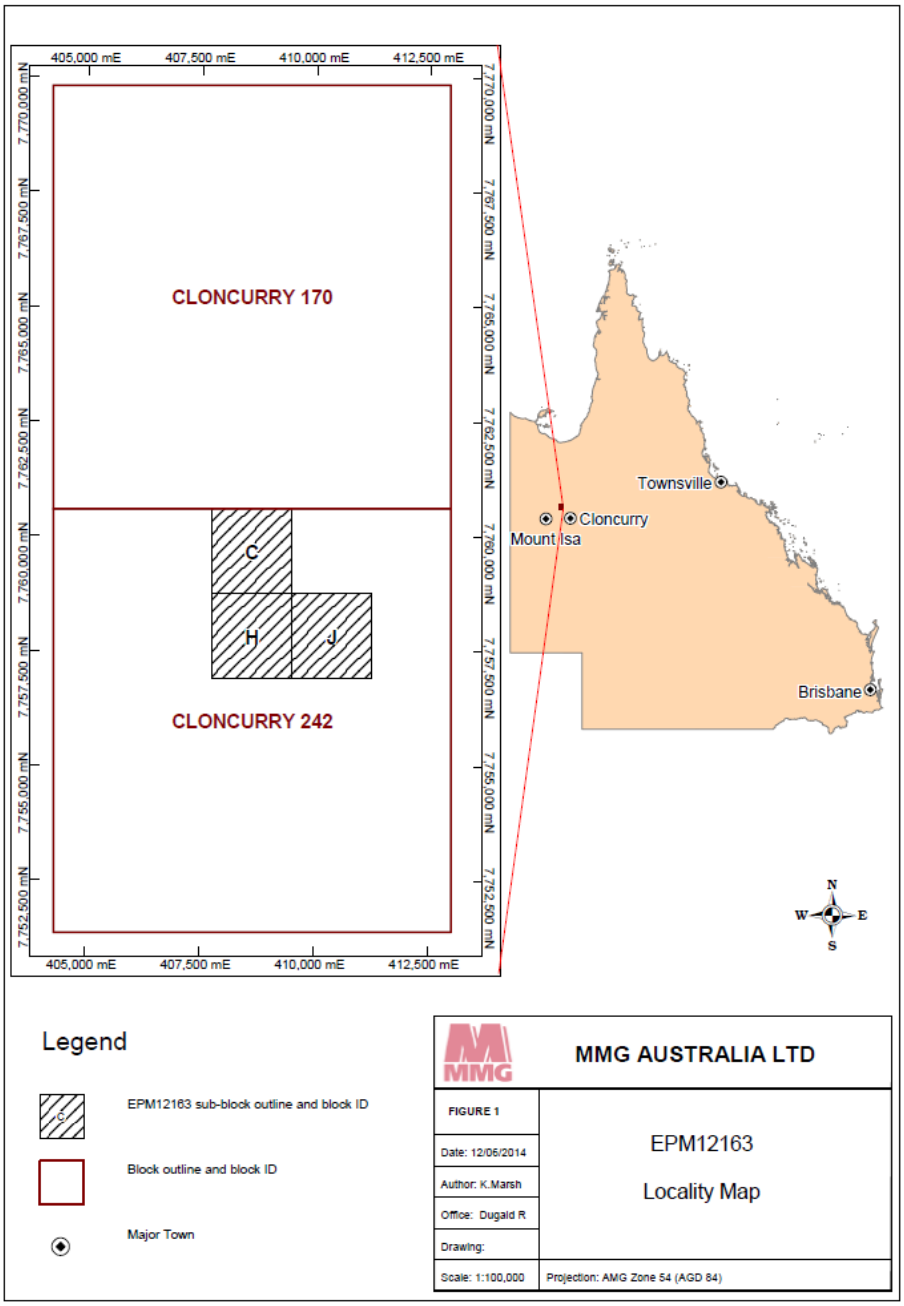


Figure 3 - Map of the location of EPM12163 – 3 sub blocks

Zinc mineralisation

MMG's principal exploration target on EPM 12163 is the zinc-lead potential of the Western Black Slate package (Figure 4). The prospective zone within the slate package is an 11 km long belt of sulphidic graphitic slates. The rock types that occur within EPM 12163 to the west of the Knapdale Range, are considered to be analogous to the Dugald River host rocks, with geochemical and geophysical anomalies in the Western Black Slates remarkably similar to those of the Dugald River Zn-Pb-Ag deposit. Geological and structural reviews completed as part of an orebody knowledge study in 2019 indicated that the Western Slates that sit within EPM 12163 may have similar critical structural characteristics to that of Dugald River. More recent structural research identified structural features within the Dugald Lode that are being used to reinterpret and reassess the structures within the Western Slates.

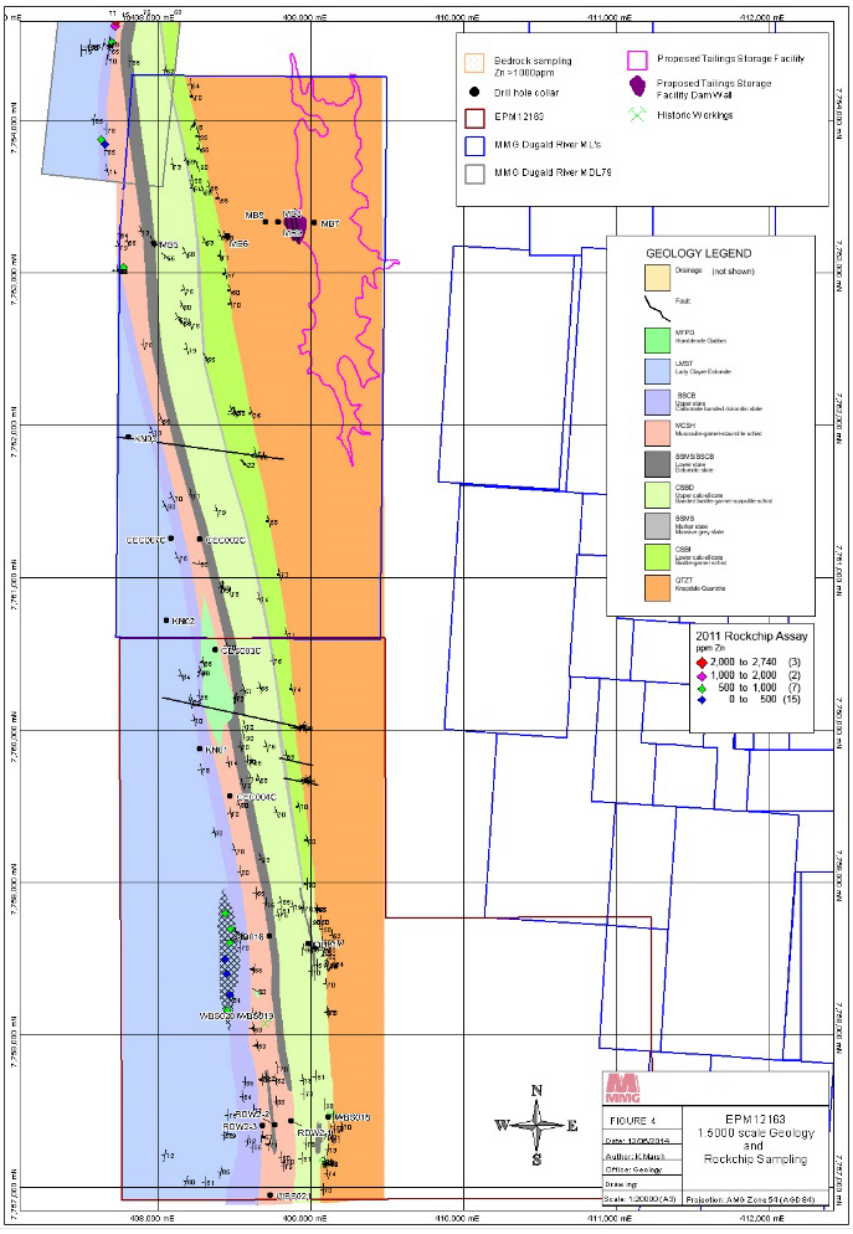


Figure 4 – Geological mapping and exploration activities across the EPM 12163 and northern leases held by MMG Dugald River Pty Ltd

Copper Mineralisation

Numerous copper occurrences are located along the contact of the Knapdale Quartzite and overlying biotite-garnet schist within EPM 12163. Historic copper workings run north and south along the Knapdale Range (both on the western and eastern edges) with numerous un-named prospecting pits and shafts. Within EPM12163, Mt Co and Cowsara are two significant historic workings at the slate calc-silicate boundary.

During the 2022, targeted drilling around historic workings, within MMG leases, intercepted Cu mineralisation in the calc-silicate units. Further testing and geological interpretation is currently underway to determine the controls on this mineralisation and update work programs to further understand these Cu intercepts.

EPM Status

EPM 12163 was renewed for a period of 5 years from mid-2020 with the next renewal due in June 2025 (Figure 5).

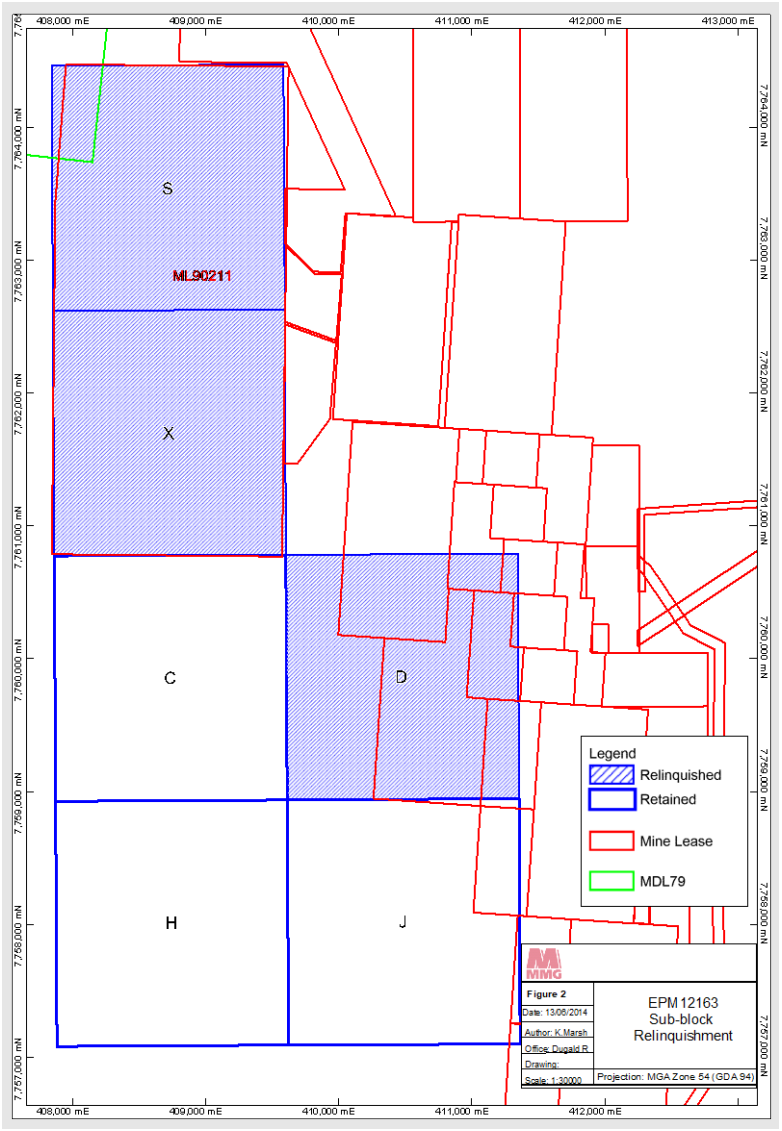


Figure 5 – Map of the current EPM 12163 sub blocks and relinquished sub blocks (shaded)

MMG maintains a strong interest in both the Zn and Cu mineralisation potential across the remaining area of EPM 12163.

Adjacent Mining Leases

The proposed MLA is bounded to the:

- North by the following MLs currently held by MMG:
  - ML 90211
  - ML90213
  - ML2638
- East by the following MLs currently held by MMG:
  - ML2558
  - ML2559
  - ML2479
  - ML2480
  - ML2482
  - ML90050

Size and Shape Justification

The Dugald River Southwest MLA has been lodged to secure the remaining area EPM 12163 and an adjacent vacant parcel of land. The MLA abuts both the northern and eastern boundaries of the existing MMG Dugald River MLs. The southern and western boundaries of the MLA abut the current boundaries of EPM 12163.

The following information provides justification for the size and shape of the Dugald River Southwest MLA.

Infrastructure – Wind Farm (northern, southern and eastern extent justification)

MMG is currently at the feasibility stage of a Renewables Wind farm Project to support the site through the generation of power for site operations. This project is considered to be the first of its kind to be developed in Queensland to directly support a mining operation. The project proposes the installation of 8 x wind turbines and associated access tracks and electrical infrastructure on the existing Dugald River Mining Leases.

Whilst the project is bound by the existing mining Leases held by MMG, the study has identified significant opportunity to optimise planned wind turbine locations across the remaining area of EPM 12163 (Figure 6). Additionally, there remains further interest into a phase 2 expansion (Scoping Level Study) of the initial proposed 8 turbines into an energy park of up to twice the scale as phase 1 with the additional infrastructure installed across the proposed mining lease application area.

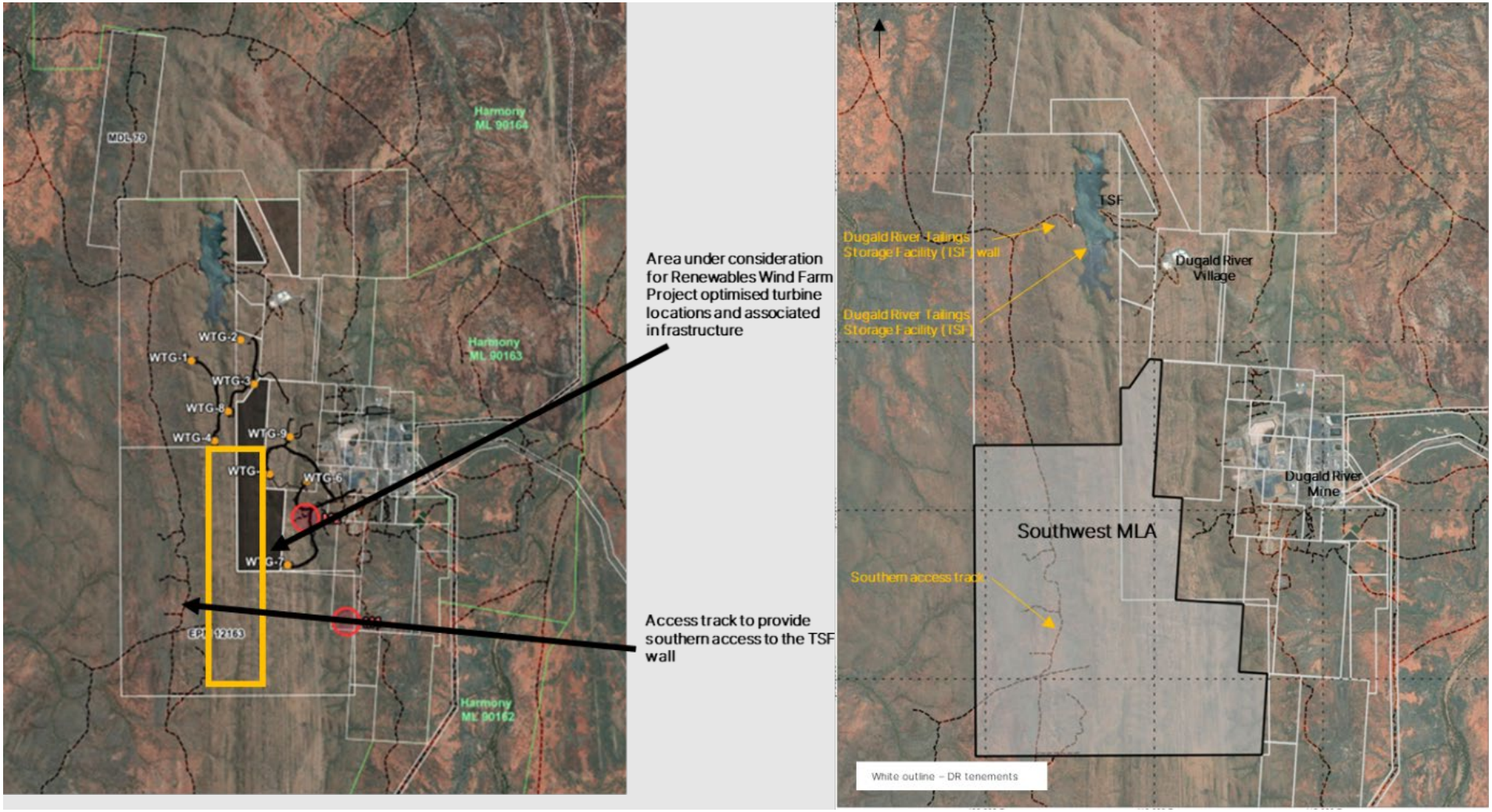


Figure 6 - Aerial of tenements, with the proposed wind turbine and access tracks – with proposed Southwest MLA and optimised windfarm location (yellow outline)

Infrastructure – Access tracks (southern and western justification)

The MMG Dugald River Operations Tailing Storage Facility is located within a valley of the Knappdale Quartzites, to the North of the operational area. To access the down wall side of the dam wall for inspections and operational activities, access is required both from the north and south, to ensure suitable means of access are maintained during events such as flooding or road blockage/damage. Both accesses are along local land holder tracks, which access has been approved. Whilst there are sections of each track that are not within existing MMG tenements, the granting of the Dugald River Southwest MLA will ensure security for MMG to continue to maintain southern access to TSF wall (Figure 7).

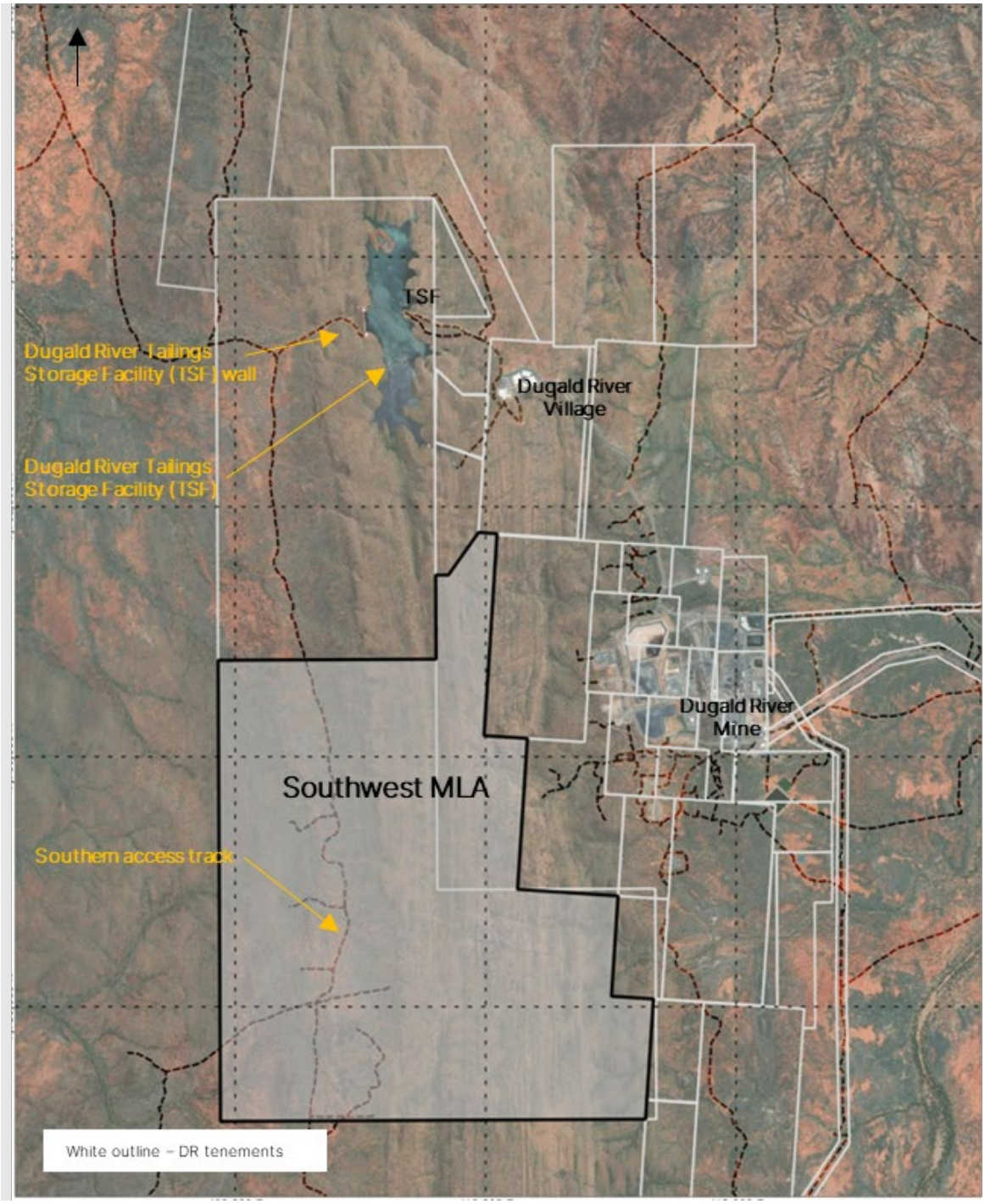


Figure 7 - Proposed ML outlined – showing southern access track to the Tailings Storage Facility and dam wall.

Geological (northern – southern – eastern and western justification)

As detailed above, MMG maintains interest across the remaining area of EPM 12163 and as such intends to continue exploration activities to further the geological understanding of the area and define and develop the mineral resources within it. The success of this on-going exploration program will provide significant support for potential mine expansion studies and extend the current mine life.

Zn-Pb-Ag Mineralisation

The Western Slates represent 11km of prospective host sequences representing analogues to the Dugald River Slates. Zinc mineralisation is associated with slate horizons in the Dugald River mineral

system. Mapping along strike of the Western Slates indicate numerous locations of structural complexity. Associated with the more structurally complex regions are several historical workings of Zn, Cu and Co. These structural and metal occurrence associations are akin to those observed and now mined in the Dugald River Slates. Assay results from drilling within the EPM indicate elevated levels of Zn within wide zones brecciated rocks and carbonate alteration. These associations are analogous to Dugald River Zn-Pb-Ag mineralisation. Additionally, the Cowsara working is located on the limestone horizon on the EPM and could represent a new mineralised domain with a larger undercover target. MMG maintains its interest in further exploration of these prospects to further understand the geological presence to ultimately expand the existing operation of the Dugald River Mining area (Figure 8). Exploration activities including geological mapping, solid sampling, drilling, geophysical studies and associated interpretation are planned to continue across this area.

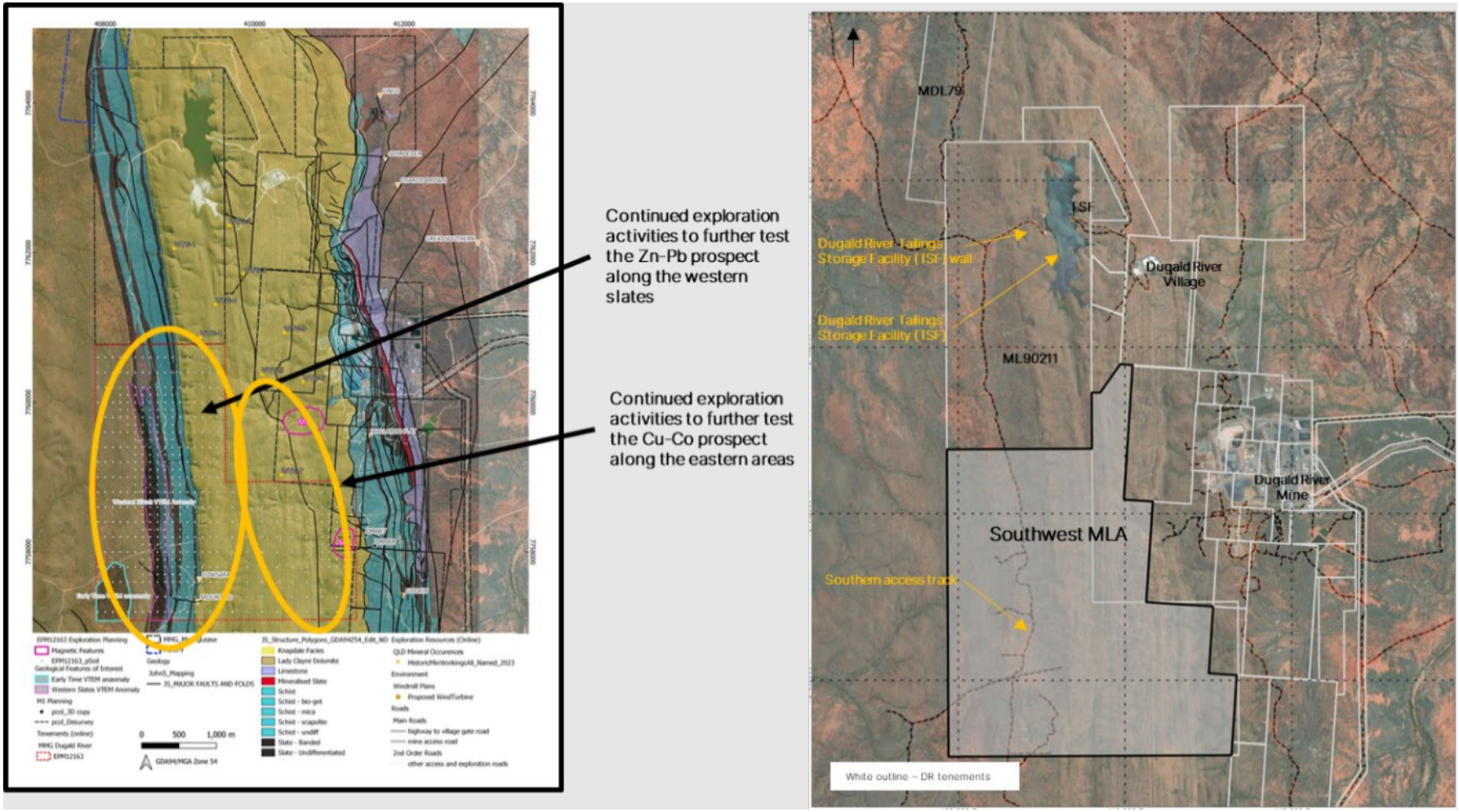


Figure 8 - Showing the proposed mining lease with consideration to the western states geological knowledge/interest to date to the south. The northern portions of the package are contained within the existing MMG held ML90211 and MDL79 tenements.

Cu Mineralisation

As mentioned earlier, recent exploration drilling has intercepted Cu mineralisation on the directly adjacent MLs to the east of EPM 12163 (Figure 8). These intercepts present significant interest to the geological opportunity/understanding for the operation to further explore and understand.

The presence of these Cu intercepts coupled with known Cu resource in the immediate hangingwall of the known Zinc deposit poses a significant opportunity / interest for MMG to explore further. Scoping level studies are currently underway to determine the viability of the presence of Cu as part of an expansion of existing operational activities at the mine.

Exploration activities including geological mapping, solid sampling, drilling, geophysical studies and associated interpretation are planned to continue across the application area.

Details

The location of the Dugald River Southwest MLA is outlined in Figure 2 and Figure 9 and represents a land area of approximately 1075 ha or 10.8 km^2.

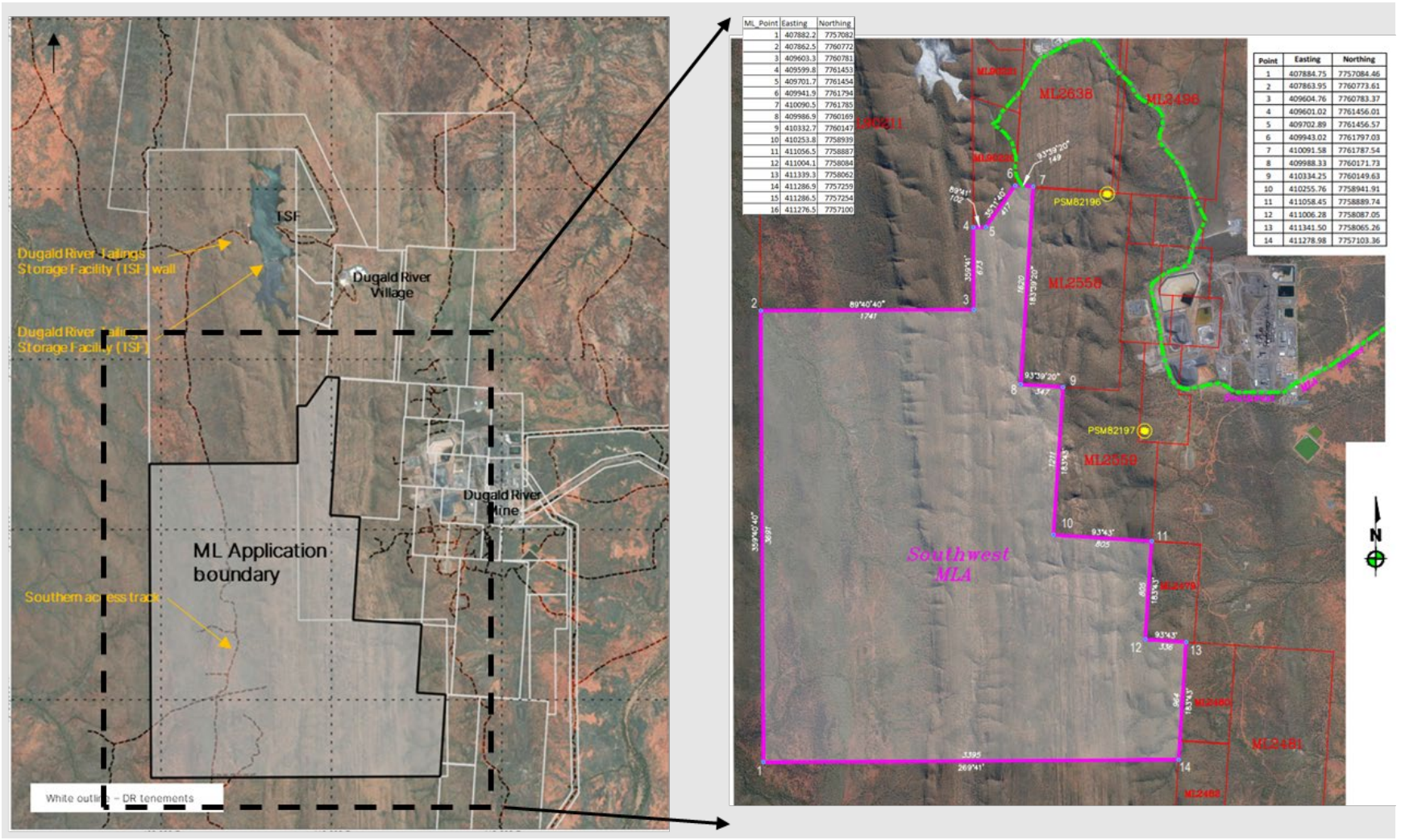
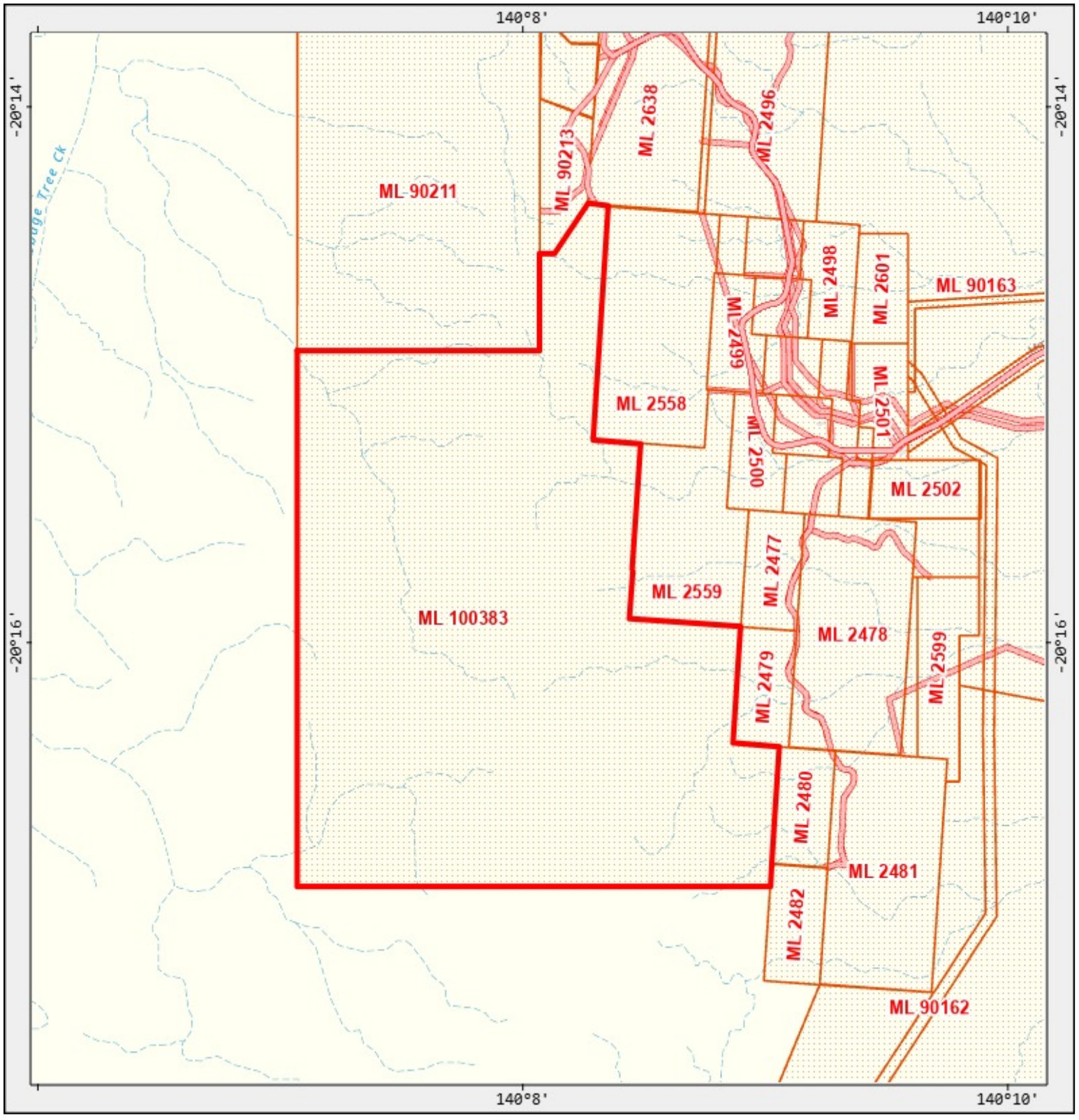


Figure 9 - Aerial image of the Southwest MLA boundary

ML 100383 Sketch Map



A product of
GeoResGlobe



Legend located on next page

N

0 1 km

Scale: 1:39039

Printed at: A4

Print date: 15/10/2026

Projection: Web Mercator EPSG 102100 (3857)

For more information, visit https://georesglobe.information.qld.gov.au/help-info/Contact-us.html

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Queensland Government
Department of Natural Resources and Mines, Manufacturing, and Regional and Rural Development

ML 100383 Sketch Map

Legend

- ML permit application
- ML surface area application
- ML access application
- ML permit granted
- ML surface area granted
- ML surface restricted land granted
- ML access granted
- ML infrastructure permit application
- ML infrastructure surface area application
- ML infrastructure access application
- ML infrastructure permit granted
- ML infrastructure surface area granted
- ML infrastructure access granted

Places: ML permit application

- ML 100383

Attribution

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Land information details

In this worksheet, input the land information details that will be included in your new permit application. The column headings with * are mandatory and require data to be completed either by selection of an item from a pick-list or entering some text. You can 'copy and paste' multiple items in the same column. Each individual cell will give you instruction on how to enter the correct data. See Instructions tab for more assistance with completing form.

Lot number	Plan number	Land tenure type *	Land tenure name (if applicable)	Current land usage *	Proposed usage *	Land owner's name *	Land owners address	Is compensation required? *	Land subject to erosion control works
36	AP23793	Unallocated state land		Grazing	Permit	[redacted]	[redacted]	No	
036	AP23793	Lands lease		Grazing	Permit	[redacted]	[redacted]	No	
36	AP23793	Unallocated state land		Grazing	Access	[redacted]	[redacted]	No	
036	AP23793	Lands lease		Grazing	Access	[redacted]	[redacted]	No	
92	SP353339	Lands lease		Grazing	Access	[redacted]	[redacted]	Yes	
2577	PH139	Lands lease		Grazing	Access	[redacted]	[redacted]	Yes	
211	SP136468	Lands lease		Grazing	Access	[redacted]	[redacted]	Yes	
92	SP353339	Lands lease		Grazing	Permit	[redacted]	[redacted]	Yes	
93	SP353339	Lands lease		Grazing	Permit	[redacted]	[redacted]	Yes	
93	SP353339	Lands lease		Grazing	Access	[redacted]	[redacted]	Yes	
35	B15753	Freehold		Other	Access	[redacted]	[redacted]	No	
	45841012	Road reserve		Road	Access	[redacted]	[redacted]	Yes	

Adjoining land information details for mining lease applications

In this worksheet, input the land information details that will be included in your new mining lease application. The column headings with * are mandatory and require data to be completed either by selection of an item from a pick-list or entering some texts. You can 'copy and paste' multiple items in the same column. Each individual cell will give you instruction on how to enter the correct data.

Lot number	Plan number	Land tenure type *	Land tenure name (if applicable)
59	TG40	Lands lease	[redacted]
6	GR33	Lands lease	[redacted]
3635	SP274652	Lands lease	[redacted]
27	B15753	Freehold	[redacted]
36	B15753	Freehold	[redacted]
28	B15753	Freehold	[redacted]
251	SP136469	Lands lease	[redacted]
1	GR42	Lands Lease	[redacted]
2	GR41	Lands Lease	[redacted]
35	B15753	Freehold	[redacted]
2577	PH139	Lands Lease	[redacted]
92	SP255105	Land Lease	[redacted]