MUSWELLBROOK LOCAL GOVERNMENT AREA

SINGLETON LOCAL GOVERNMENT AREA

MUSWELLBROOK

New England Highway

Scrumlo Road

Hebden Road

Foy Brook

Lake Liddell

RAVENSWORTH STATE FOREST

RAVENSWORTH

FALBROOK

Integra Underground

Falbrook Road

Glennies Creek Road

ML 1786
ML 1740
ML 1742
CL 382
ML 1742
CL 382
ML 1525
ML 1676
ML 1437
ML 1518
ML 1551

Fal Brook

CAMBERWELL

Main

GLENNIES CREEK

HUNTER RIVER

New England Highway

OBANVALE

NUNDAH

Northern

LEMINGTON

JERRYS PLAINS

MAISON DIEU

RIXS CREEK

Golden Highway

WARKWORTH

WYLIES FLAT

SINGLETON

Railway

WHITTINGHAM

MT THORLEY

BULGA

FORDWICH

MINIMBAH

Golden Highway

TAMWORTH

QUIRINDI

PORT MACQUARIE

TAREE

SCONE

DUBBO

ABERDEEN

MUSWELLBROOK

DENMAN

SINGLETON

MAITLAND

CESSNOCK

NEWCASTLE

Lake Macquarie

South Pacific Ocean

Integra Underground

New South Wales

Tamworth

Port Macquarie

Dubbo

Muswellbrook

Singleton

Newcastle

Sydney

Integra Underground

LEGEND:

- Project Boundary
- Road
- Railway
- Watercourse
- Water Body
- Local Government Area Boundary
- State Forest
- National Park
- Mining Lease Boundary (ML / CL)

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
Scale:	1:50000
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N

0 1.25 2.5km

GLENCORE

Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Pre-Mining Environment - Project Locality

PLAN 1A

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000
ML1786
ML1740
ML1742
CL382
VENTILATION INFRASTUCTURE AREA
ML1525
ML1676
PIT TOP AREA
ML1437
ML1518
ML1551
Falbrook Road
Middle Falbrook Road
Glennies Creek Road
Glennies Creek
CAMBERWELL
New England Highway
I
II
III
IV
V
VI
VII
M

LEGEND:

- Project Approval Area
- Mining Tenements
- Railway
- Existing Powerlines
- 1 in 100 year Flood Area
- Underground Mining Area

Vegetation Communities

- Barrington Footslopes Dry Spotted Gum Forest
- Broad-leaved Ironbark Woodland
- Central Hunter Box - Ironbark Woodland
- Central Hunter Bulloak Forest Regeneration
- Central Hunter Ironbark - Spotted Gum - Grey Box Forest
- Central Hunter Swamp Oak Forest
- Dry Rainforest
- Grassland
- Hunter Floodplain Red Gum Woodland Complex
- Hunter Footslopes Sheltered Forest
- Hunter Lowlands Red Gum Forest
- Hunter Valley River Oak Forest
- Planted areas
- Planted Ironbark - Spotted Gum - Grey Box Forest
- Rehabilitation
- River-flat Eucalypt Forest
- River-flat Red Gum Forest
- Rough-barked Apple Open Forest

Post-mining Land Capability

- II Class II
- III Class III
- IV Class IV
- V Class V
- VI Class VI

Endandgered and Vulnerable Flora and Fauna

- Endangered Flora
- Endangered Fauna
- Vulnerable Flora
- Vulnerable Fauna

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
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Coordinate System:	MGA_ZONE56
Sheet Size:	A0

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0 250 500m

GLENCORE

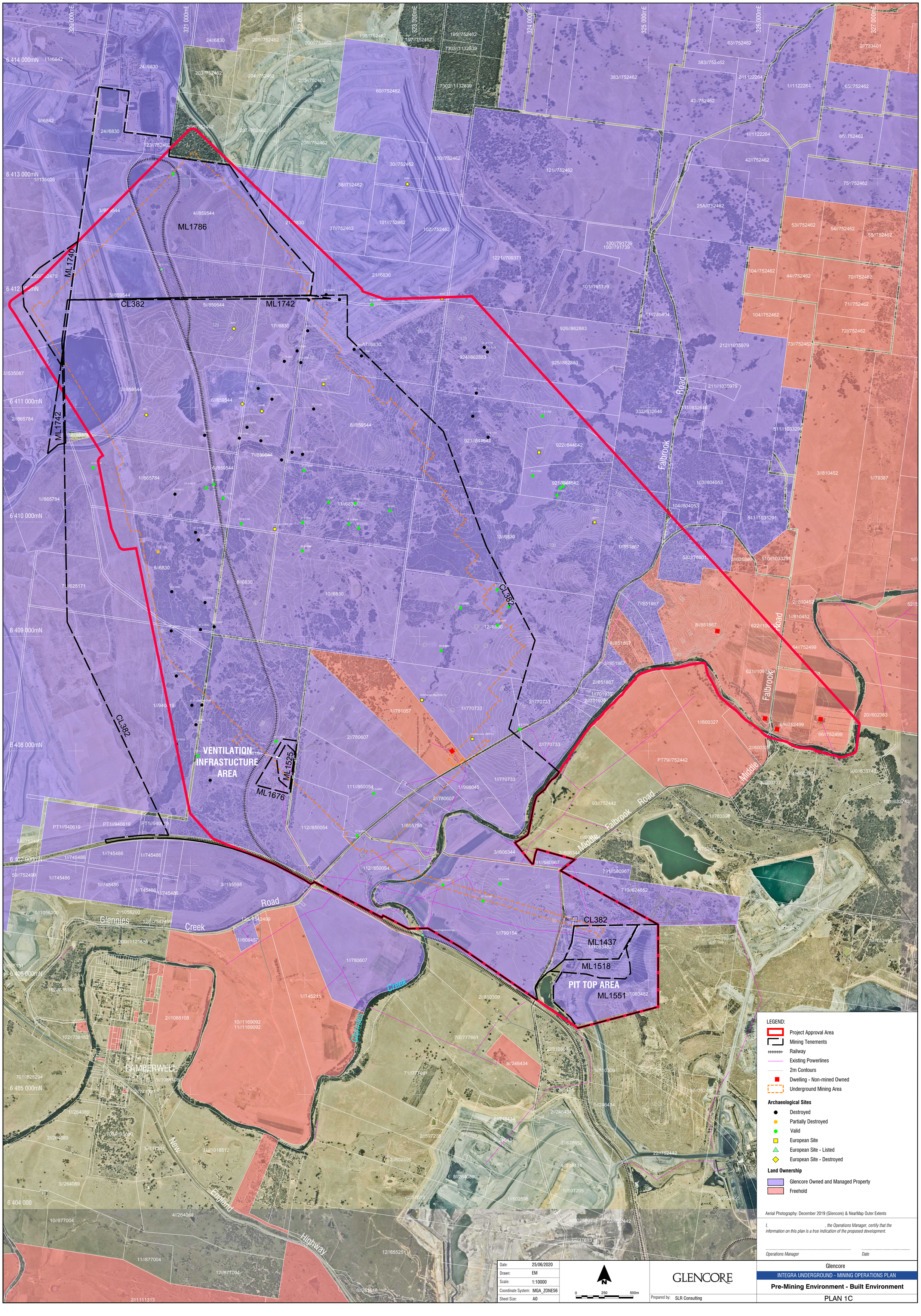
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Pre-Mining Environment - Natural Environment

PLAN 1B


320 000mE
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322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000
ML1786
ML1740
ML1742
CL382
ML1676
ML1525
ML1437
ML1518
VENTILATION INFRASTUCTURE AREA
PIT TOP AREA
Falbrook Road
Middle Falbrook Road
Glennies Creek
New England Highway
CAMBERWELL
Glennies
24//6830
4//859544
3//859544
5//859544
6//859544
8//859544
7//859544
17//6830
21//6830
37//752462
58//752462
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100//752462
101//752462
102//752462
60//752462
121//752462
1221//709371
100//791739
101//791739
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925//862883
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7//625171
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PT1//940619
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112//850054
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2//770733
2//780607
1//781057
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3//195598
1//799154
1//745211
2//810309
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2//246434
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7004//93630
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1//745486
3//606344
2//606344
791//580967
710//624852
4//606344
1//783398
93//752442
PT79//752442
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2//600327
3//600327
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3//810452
1//79387
2//733401
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383//752462
2//1122264
1//1122264
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42//752462
75//752462
25A//752462
53//752462
54//752462
55//752462
104//752462
44//752462
70//752462
71//752462
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73//752462
92//752442
22//752442
2//752450
10//752450
100//633743
52//
1//810452
2//810452
1//1083482
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1//1083482

320 000mE
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323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
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6 410 000mN
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6 408 000mN
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6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
ML1742
CL382
Mt Owen ER Pit
Tailings Disposal Facility
LW 20
LW 19
LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
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LW 10
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LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1
A
A'
15/1
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15/5
15/6
15/7
14/0
14/1
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7/2
7/3
6/1
6/2
6/3
5/1
5/2
5/3
4/1
4/2
4/3
3/1
3/2
3/3
MG 12 9c/t Gas Riser
NM 12 c/t Gas Riser
NW M R2 140c/t Gas Riser
NWM L1 26c/t Gas Riser
VENTILATION INFRASTUCTURE AREA
ML1532
ML1676
INSET (See 2-2)
INSET (See 2-1)
Fabrook Road
Middle Fabrook Road
Glennies Creek
CAMBERWELL
New England Highway
ML1437
ML1518
PIT TOP AREA
ML1551

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Previous Years Mine Extraction
- Cross Sections
- Railway
- Existing Powerlines
- Existing Pipeline
- Access Tracks

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 2A - Active Gas Wells (EDL/Gas Flare)
- Domain 2B - Inactive Gas Wells that are to Remain in Service
- Domain 2C - Out of Service Gas Wells (Rehabilitation to be undertaken)
- Domain 2D - Rehabilitation Completed
- Domain 2E - Gas Well Drill Pad
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
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Sheet Size:	A0

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GLENCORE

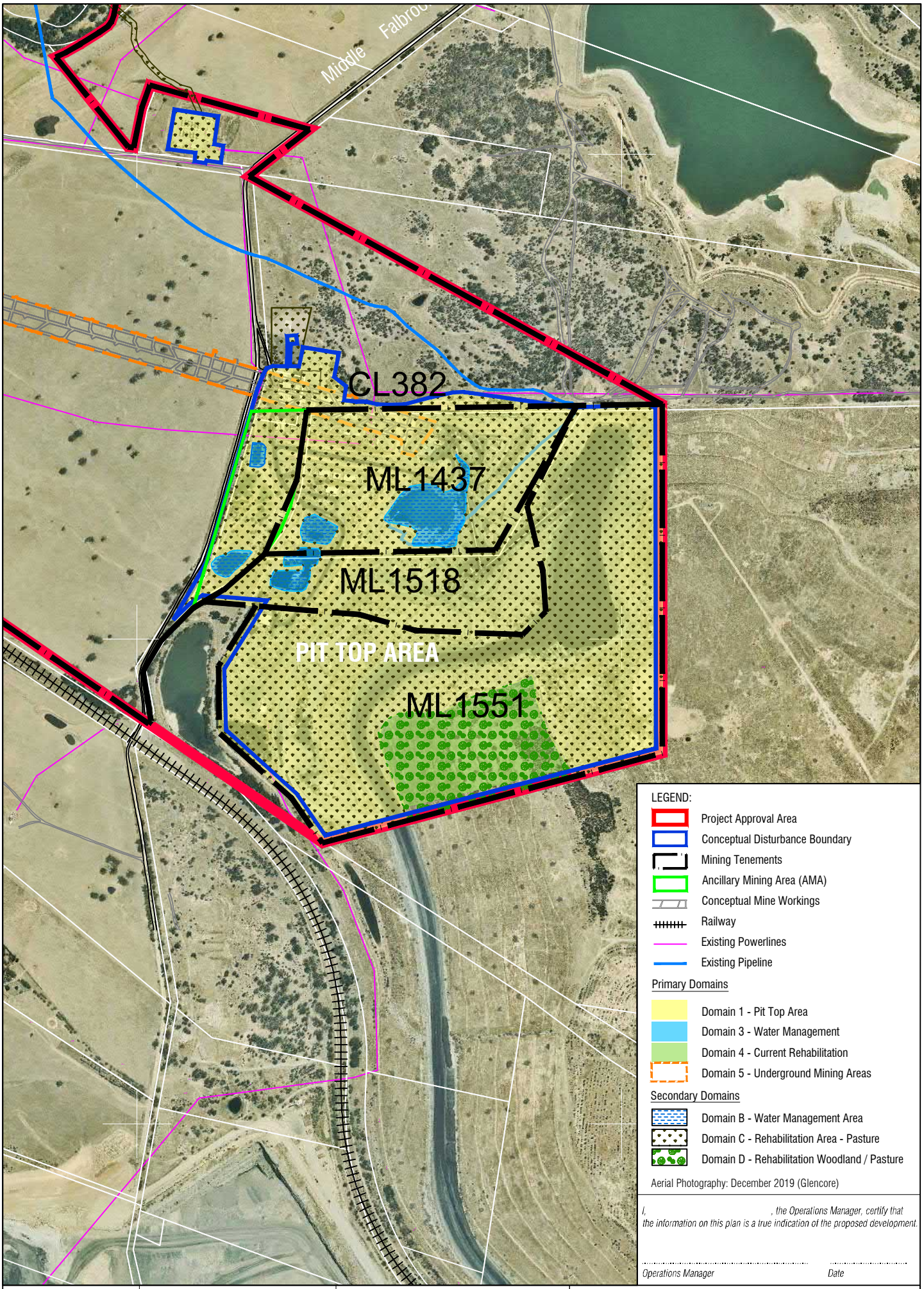
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mine Domains at Commencement of MOP

PLAN 2



Date:	25/06/2020
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Scale:	1:10000
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Sheet Size:	A4

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GLENCORE

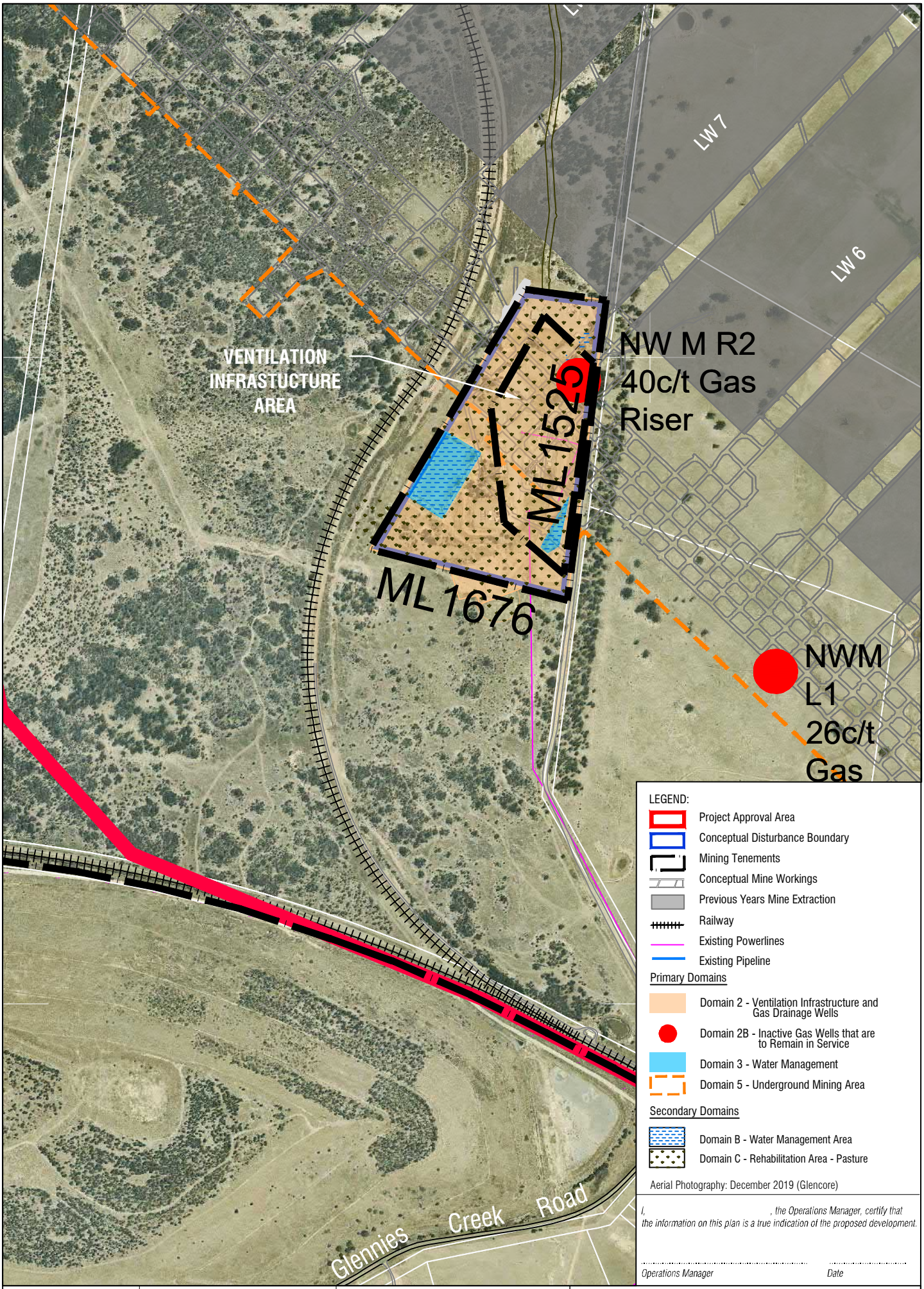
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mine Domains at Commencement of MOP
Pit Top Area

MAP 2-1



Date:	25/06/2020
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GLENCORE

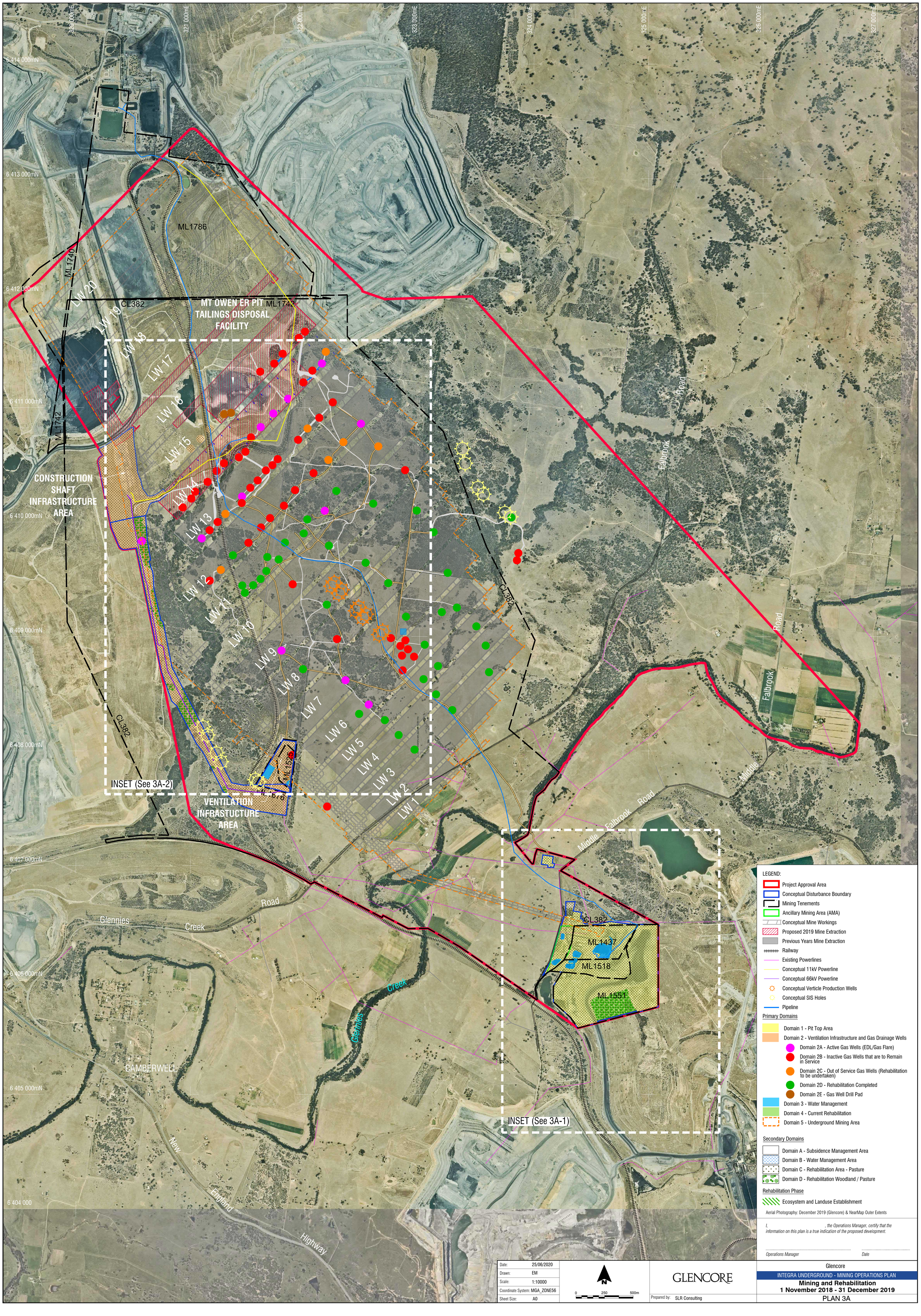
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mine Domains at Commencement of MOP Ventilation Area Infrastructure

MAP 2-2



LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Proposed 2019 Mine Extraction
- Previous Years Mine Extraction
- Railway
- Existing Powerlines
- Conceptual 11kV Powerline
- Conceptual 66kV Powerline
- Conceptual Verticle Production Wells
- Conceptual SIS Holes
- Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 2A - Active Gas Wells (EDL/Gas Flare)
- Domain 2B - Inactive Gas Wells that are to Remain in Service
- Domain 2C - Out of Service Gas Wells (Rehabilitation to be undertaken)
- Domain 2D - Rehabilitation Completed
- Domain 2E - Gas Well Drill Pad
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
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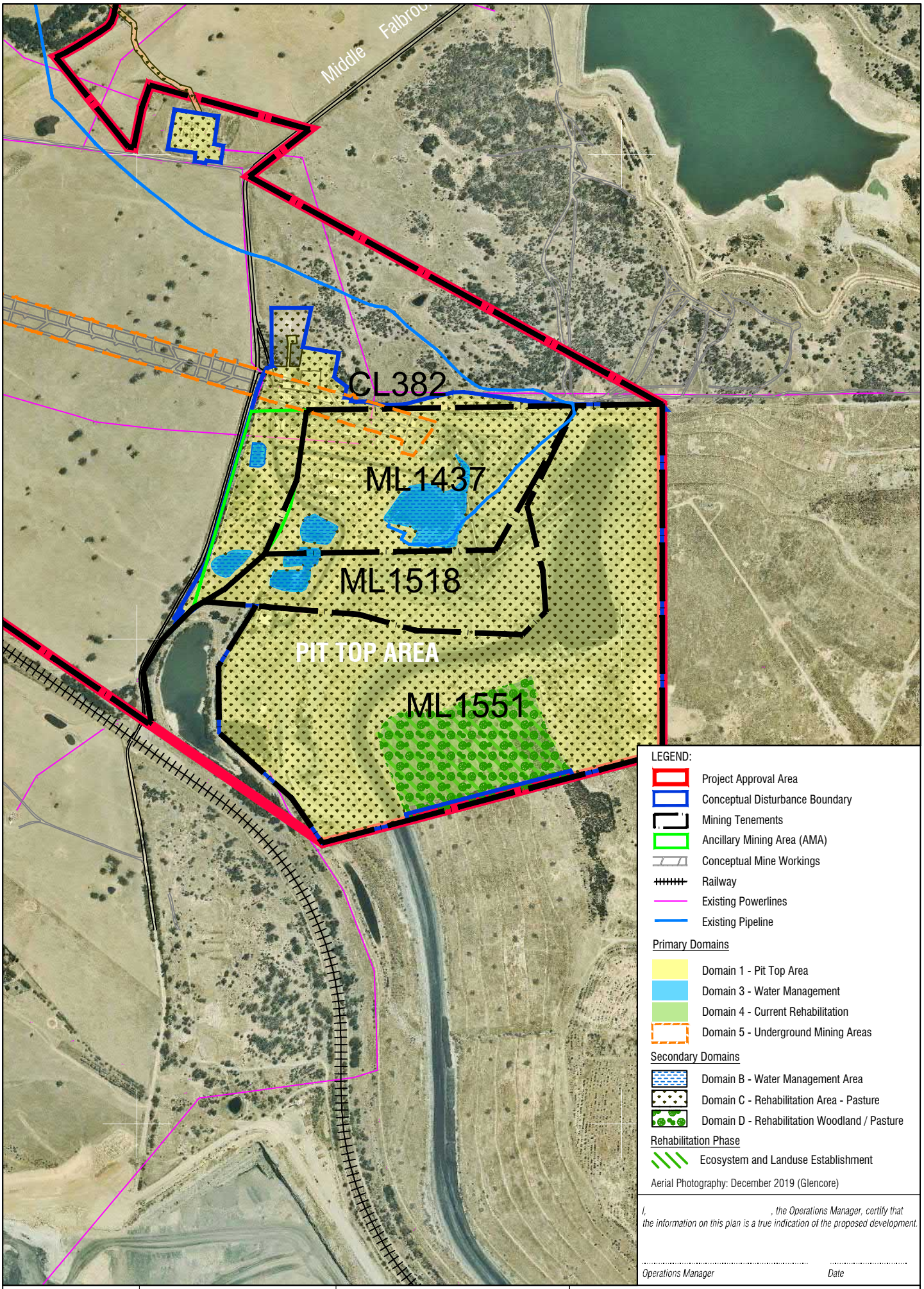
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
1 November 2018 - 31 December 2019

PLAN 3A



LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Railway
- Existing Powerlines
- Existing Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Areas

Secondary Domains

- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore)

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
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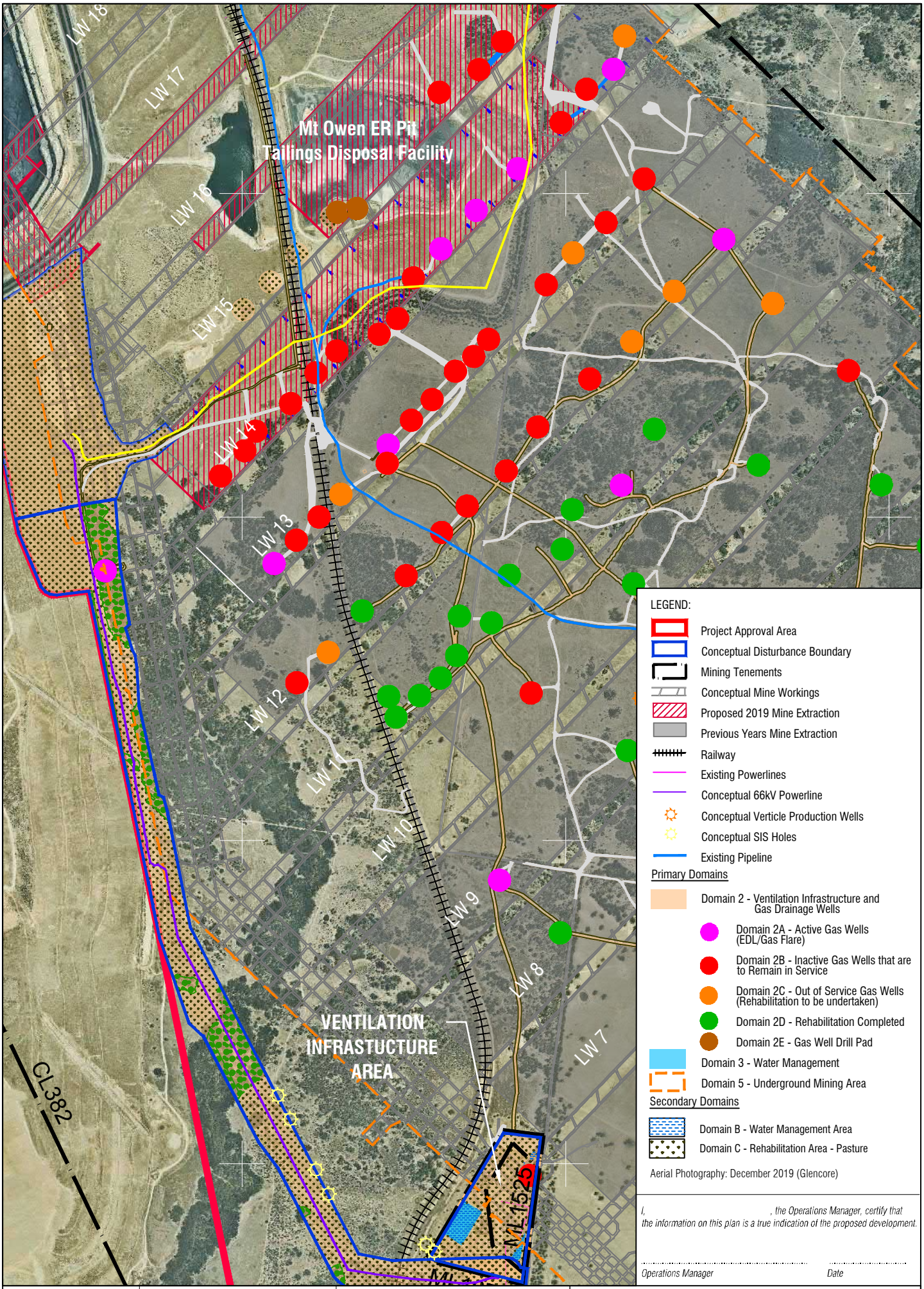
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation - Pit Top Area
Year 1 - End of 2019

PLAN 3A-1


LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
Mt Owen ER Pit
Tailings Disposal Facility
VENTILATION
INFRASTUCTURE
AREA
CL382
NVL1525
LEGEND:
Project Approval Area
Conceptual Disturbance Boundary
Mining Tenements
Conceptual Mine Workings
Proposed 2019 Mine Extraction
Previous Years Mine Extraction
Railway
Existing Powerlines
Conceptual 66kV Powerline
Conceptual Verticle Production Wells
Conceptual SIS Holes
Existing Pipeline
Primary Domains
Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
Domain 2A - Active Gas Wells (EDL/Gas Flare)
Domain 2B - Inactive Gas Wells that are to Remain in Service
Domain 2C - Out of Service Gas Wells (Rehabilitation to be undertaken)
Domain 2D - Rehabilitation Completed
Domain 2E - Gas Well Drill Pad
Domain 3 - Water Management
Domain 5 - Underground Mining Area
Secondary Domains
Domain B - Water Management Area
Domain C - Rehabilitation Area - Pasture
Aerial Photography: December 2019 (Glencore)
I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.
Operations Manager
Date
Date: 25/06/2020
Drawn: EM
Scale: 1:15000
Coordinate System: MGA_ZONE56
Sheet Size: A4
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0
200
400m
GLENCORE
Prepared by: SLR Consulting
Glencore
INTEGRA UNDERGROUND - MINING OPERATIONS PLAN
Mining and Rehabilitation
Ventilation Area Infrastructure - Year 1 End of 2019
PLAN 3A-2

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
ML1742
ML1747
CL382
LW 20
LW 19
LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1
ML1525
ML1676
ML1437
ML1518
ML1551

MT OWEN ER PIT TAILINGS DISPOSAL FACILITY

GOAF DEWATERING SITE

CONSTRUCTION SHAFT INFRASTRUCTURE AREA

VENTILATION INFRASTUCTURE AREA

Falbrook Road
Middle Falbrook Road
Glennies Creek Road
Glennies Creek
CAMBERWELL
New England Highway

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Proposed 2020 Mine Extraction
- Previous Years Mine Extraction
- Railway
- Existing Powerlines
- Conceptual 11kV Powerline
- Conceptual 66kV Powerline
- Conceptual Verticle Production Wells
- Conceptual SIS Holes
- Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
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Scale:	1:10000
Coordinate System:	MGA_ZONE56
Sheet Size:	A0

N

0 250 500m

Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
1 January 2020 - 31 December 2020

PLAN 3B

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
ML1742
ML1747
CL382
LW 20
LW 19
LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1

MT OWEN ER PIT TAILINGS DISPOSAL FACILITY

GOAF DEWATERING SITE

CONSTRUCTION SHAFT INFRASTRUCTURE AREA

VENTILATION INFRASTUCTURE AREA

ML1525
ML1676

ML1437
ML1518
ML1551

Falbrook Road
Middle Falbrook Road
Glennies Creek
New England Highway
CAMBERWELL

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Proposed 2021 Mine Extraction
- Previous Years Mine Extraction
- Railway
- Existing Powerlines
- Conceptual 11kV Powerline
- Conceptual 66kV Powerline
- Conceptual Verticle Production Wells
- Conceptual SIS Holes
- Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
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Coordinate System:	MGA_ZONE56
Sheet Size:	A0

N

0 250 500m

GLENCORE

Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
1 January 2021 - 31 December 2021

PLAN 3C

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
LW 20
LW 19
LW 18
CL382
MT OWEN ER PIT TAILINGS DISPOSAL FACILITY
ML1742
GOAF DEWATERING SITE
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1
CONSTRUCTION SHAFT INFRASTRUCTURE AREA
VENTILATION INFRASTUCTURE AREA
ML1525
ML1676
ML1437
ML1518
ML1551
Falbrook Road
Middle Falbrook Road
Glennies Creek Road
Glennies Creek
CAMBERWELL
New England Highway

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Proposed 2022 Mine Extraction
- Previous Years Mine Extraction
- Railway
- Existing Powerlines
- Conceptual 11kV Powerline
- Conceptual 66kV Powerline
- Conceptual Verticle Production Wells
- Conceptual SIS Holes
- Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
Scale:	1:10000
Coordinate System:	MGA_ZONE56
Sheet Size:	A0

N

0 250 500m

Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
1 January 2022 - 31 December 2022

PLAN 3D

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
ML1742
ML1747
CL382
LW 20
LW 19
LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1

MT OWEN ER PIT TAILINGS DISPOSAL FACILITY

GOAF DEWATERING SITE

CONSTRUCTION SHAFT INFRASTRUCTURE AREA

VENTILATION INFRASTUCTURE AREA

ML1525
ML1526

INSET (See 3E-2)

INSET (See 3E-1)

ML1437
ML1518
ML1551

Falbrook Road
Middle Falbrook Road
Glennies Creek
New England Highway
CAMBERWELL

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Proposed 2023 Mine Extraction
- Previous Years Mine Extraction
- Railway
- Existing Powerlines
- Conceptual 11kV Powerline
- Conceptual 66kV Powerline
- Conceptual Verticle Production Wells
- Conceptual SIS Holes
- Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 2 - Ventilation Infrastructure and Gas Drainage Wells
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Area

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

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Drawn:	EM
Scale:	1:10000
Coordinate System:	MGA_ZONE56
Sheet Size:	A0

N

0 250 500m

GLENCORE

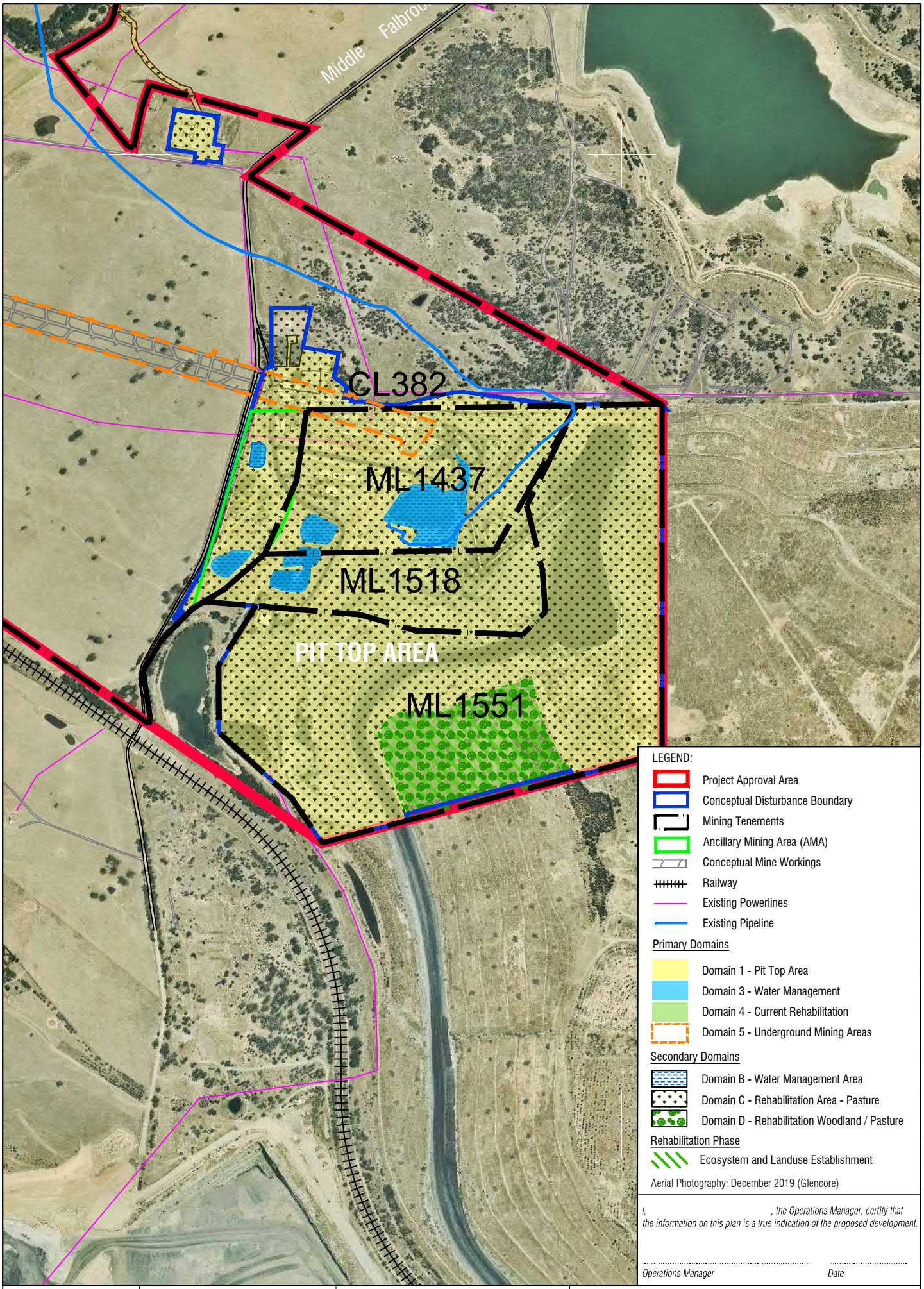
Prepared by: SLR Consulting

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INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
1 January 2023 - 31 December 2023

PLAN 3E



LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Railway
- Existing Powerlines
- Existing Pipeline

Primary Domains

- Domain 1 - Pit Top Area
- Domain 3 - Water Management
- Domain 4 - Current Rehabilitation
- Domain 5 - Underground Mining Areas

Secondary Domains

- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Rehabilitation Phase

- Ecosystem and Landuse Establishment

Aerial Photography: December 2019 (Glencore)

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
Scale:	1:10000
Coordinate System:	MGA_ZONE56
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0 125 250m

GLENCORE

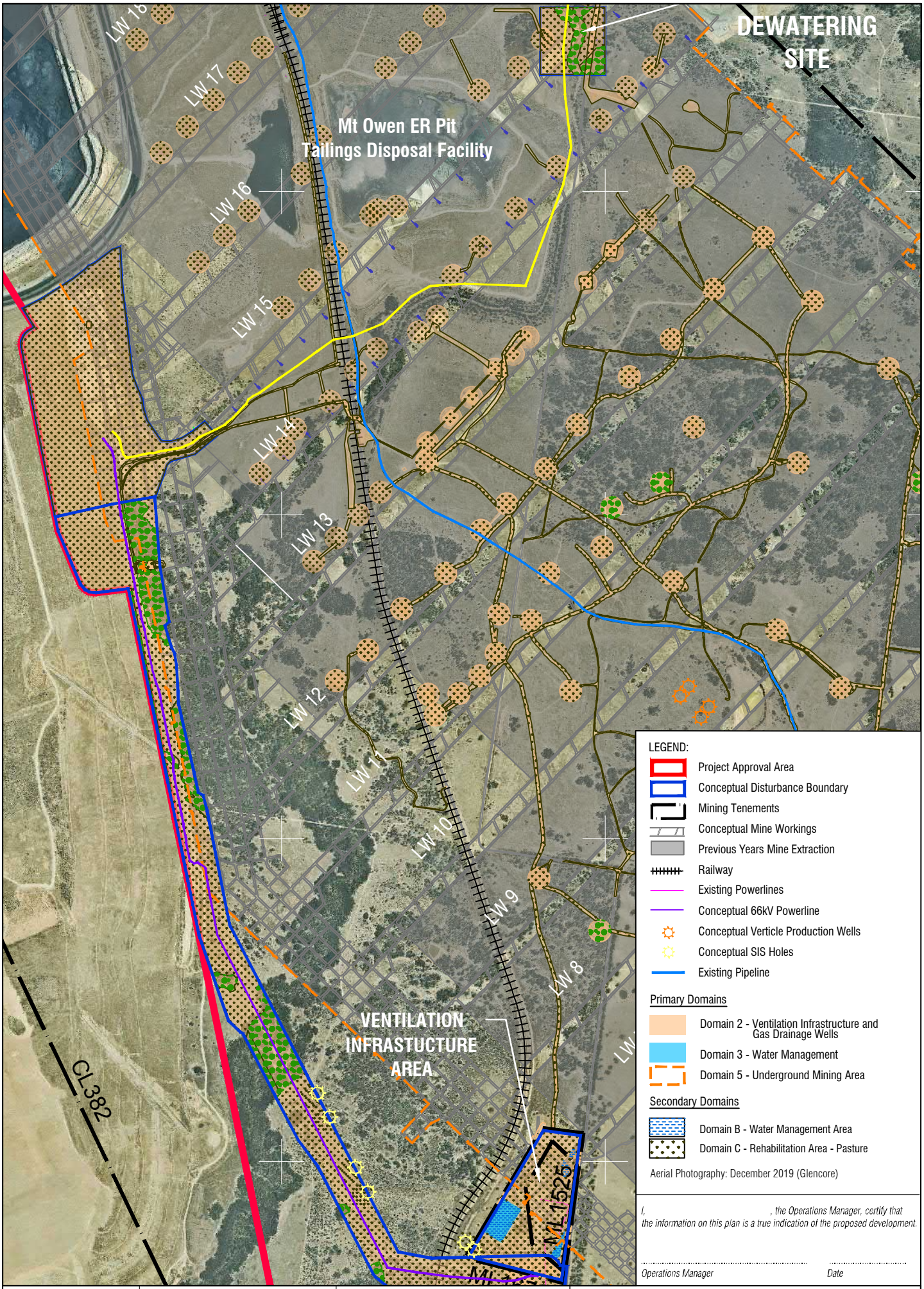
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation - Pit Top Area
Year 5 - End of 2023

PLAN 3E-1



Date:	25/06/2020
Drawn:	EM
Scale:	1:15000
Coordinate System:	MGA_ZONE56
Sheet Size:	A4

GLENCORE

Prepared by: SLR Consulting

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INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Mining and Rehabilitation
Ventilation Area Infrastructure - Year 5 End of 2023

PLAN 3E-2

320 000mE
321 000mE
322 000mE
323 000mE
324 000mE
325 000mE
326 000mE
327 000mE
6 414 000mN
6 413 000mN
6 412 000mN
6 411 000mN
6 410 000mN
6 409 000mN
6 408 000mN
6 407 000mN
6 406 000mN
6 405 000mN
6 404 000

ML1786
ML1740
ML1742
CL382
LW 20
LW 19
LW 18
LW 17
LW 16
LW 15
LW 14
LW 13
LW 12
LW 11
LW 10
LW 9
LW 8
LW 7
LW 6
LW 5
LW 4
LW 3
LW 2
LW 1
Mt Owen ER Pit
Tailings Disposal Facility
A
A'
B
B'
VENTILATION
INFRASTUCTURE
AREA
ML1525
ML1676
INSET (See 4-2)
INSET (See 4-1)
CL382
ML1437
ML1518
PIT TOP AREA
ML1551
Falbrook Road
Middle Falbrook Road
Glennies Creek
New England Highway
CAMBERWELL

LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Previous Years Mine Extraction
- A - A' Cross Sections
- Railway
- Existing Powerlines
- Existing Pipeline
- ----85--- Final Landform Contours

Final Landform Water Management

- Drop Structure
- Contour Bank

Secondary Domains

- Domain A - Subsidence Management Area
- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture
- Domain E - Retained Infrastructure

Aerial Photography: December 2019 (Glencore) & NearMap Outer Extents
Note: Disturbance boundary offset for presentation purposes

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
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Coordinate System:	MGA_ZONE56
Sheet Size:	A0

N

0 250 500m

GLENCORE

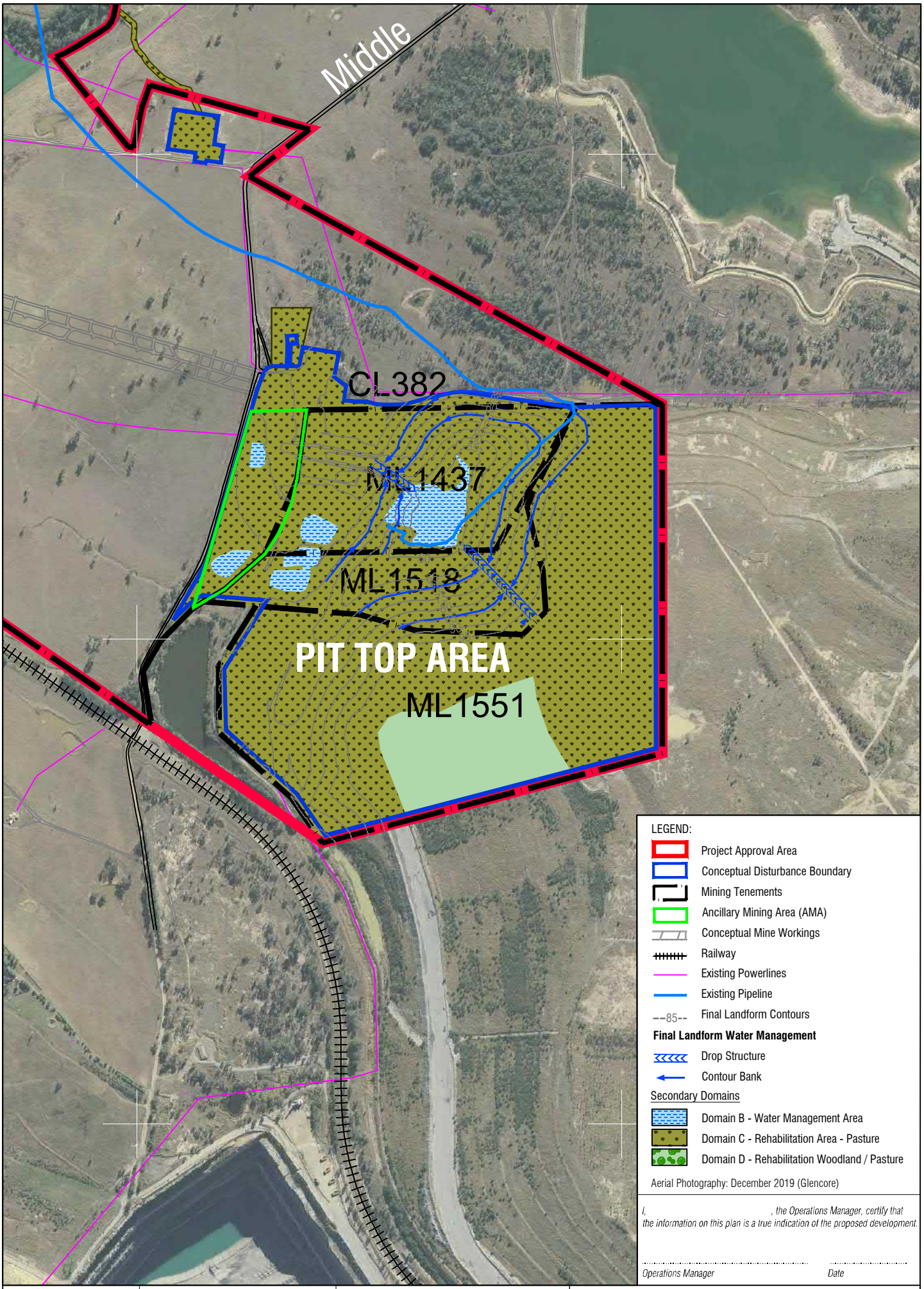
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Final Rehabilitation and Post Mining Land Use

PLAN 4



LEGEND:

- Project Approval Area
- Conceptual Disturbance Boundary
- Mining Tenements
- Ancillary Mining Area (AMA)
- Conceptual Mine Workings
- Railway
- Existing Powerlines
- Existing Pipeline
- --85-- Final Landform Contours

Final Landform Water Management

- Drop Structure
- Contour Bank

Secondary Domains

- Domain B - Water Management Area
- Domain C - Rehabilitation Area - Pasture
- Domain D - Rehabilitation Woodland / Pasture

Aerial Photography: December 2019 (Glencore)

I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.

Operations Manager *Date*

Date:	25/06/2020
Drawn:	EM
Scale:	1:10000
Coordinate System:	MGA_ZONE56
Sheet Size:	A4

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0 125 250m

GLENCORE

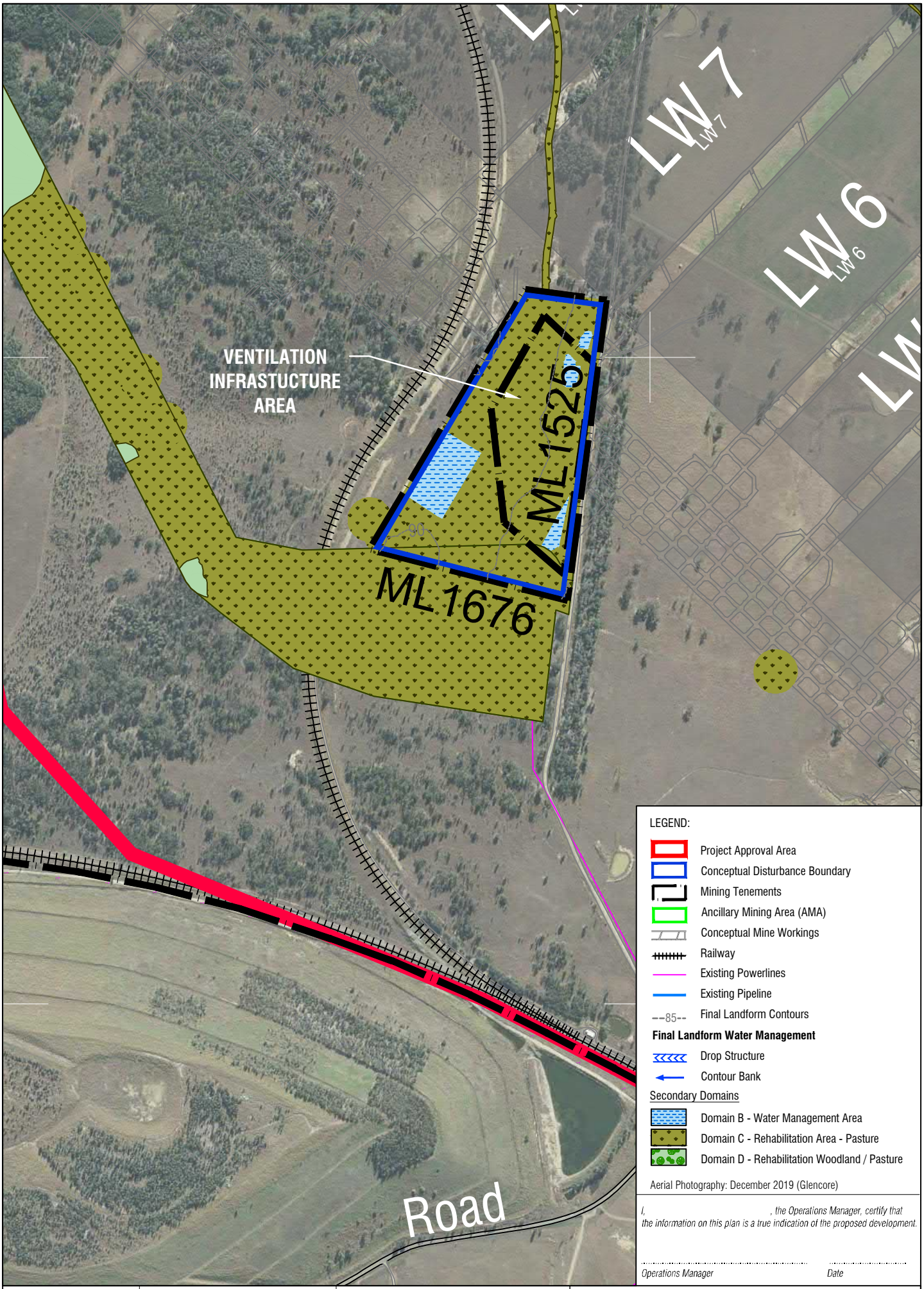
Prepared by: SLR Consulting

Glencore

INTEGRA UNDERGROUND - MINING OPERATIONS PLAN

Final Rehabilitation and Post Mining Land Use

MAP 4-1


VENTILATION
INFRASTUCTURE
AREA
ML 1526
ML 1676
LW 7
LW 6
Road
LEGEND:
Project Approval Area
Conceptual Disturbance Boundary
Mining Tenements
Ancillary Mining Area (AMA)
Conceptual Mine Workings
Railway
Existing Powerlines
Existing Pipeline
--85-- Final Landform Contours
Final Landform Water Management
Drop Structure
Contour Bank
Secondary Domains
Domain B - Water Management Area
Domain C - Rehabilitation Area - Pasture
Domain D - Rehabilitation Woodland / Pasture
Aerial Photography: December 2019 (Glencore)
I, , the Operations Manager, certify that the information on this plan is a true indication of the proposed development.
Operations Manager
Date
Date: 25/06/2020
Drawn: EM
Scale: 1:7500
Coordinate System: MGA_ZONE56
Sheet Size: A4
N
0 100 200m
GLENCORE
Prepared by: SLR Consulting
Glencore
INTEGRA UNDERGROUND - MINING OPERATIONS PLAN
Final Rehabilitation and Post Mining Land Use
MAP 4-2