

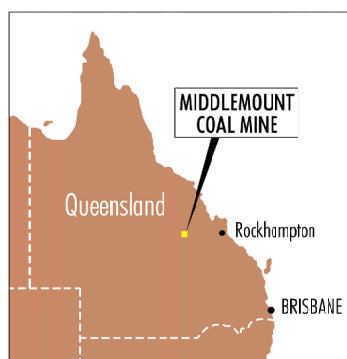


MIDDLEMOUNT COAL MINE

SOUTHERN EXTENSION PROJECT Original EPBC Referral Submission 18/03/2021 (EPBC 2021/8920)

Figures 1 to 8 Combined

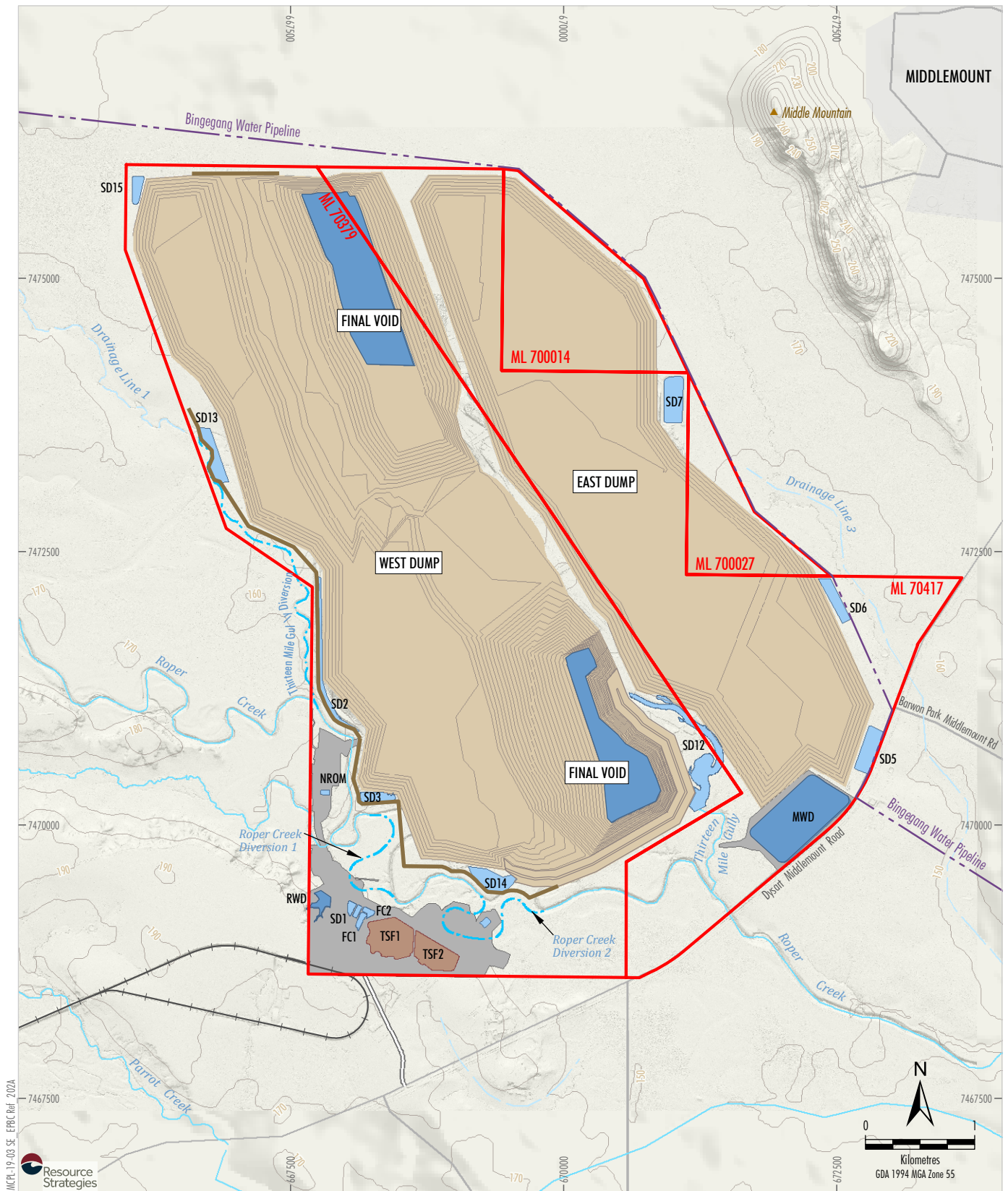




SOUTHERN EXTENSION PROJECT Regional Location

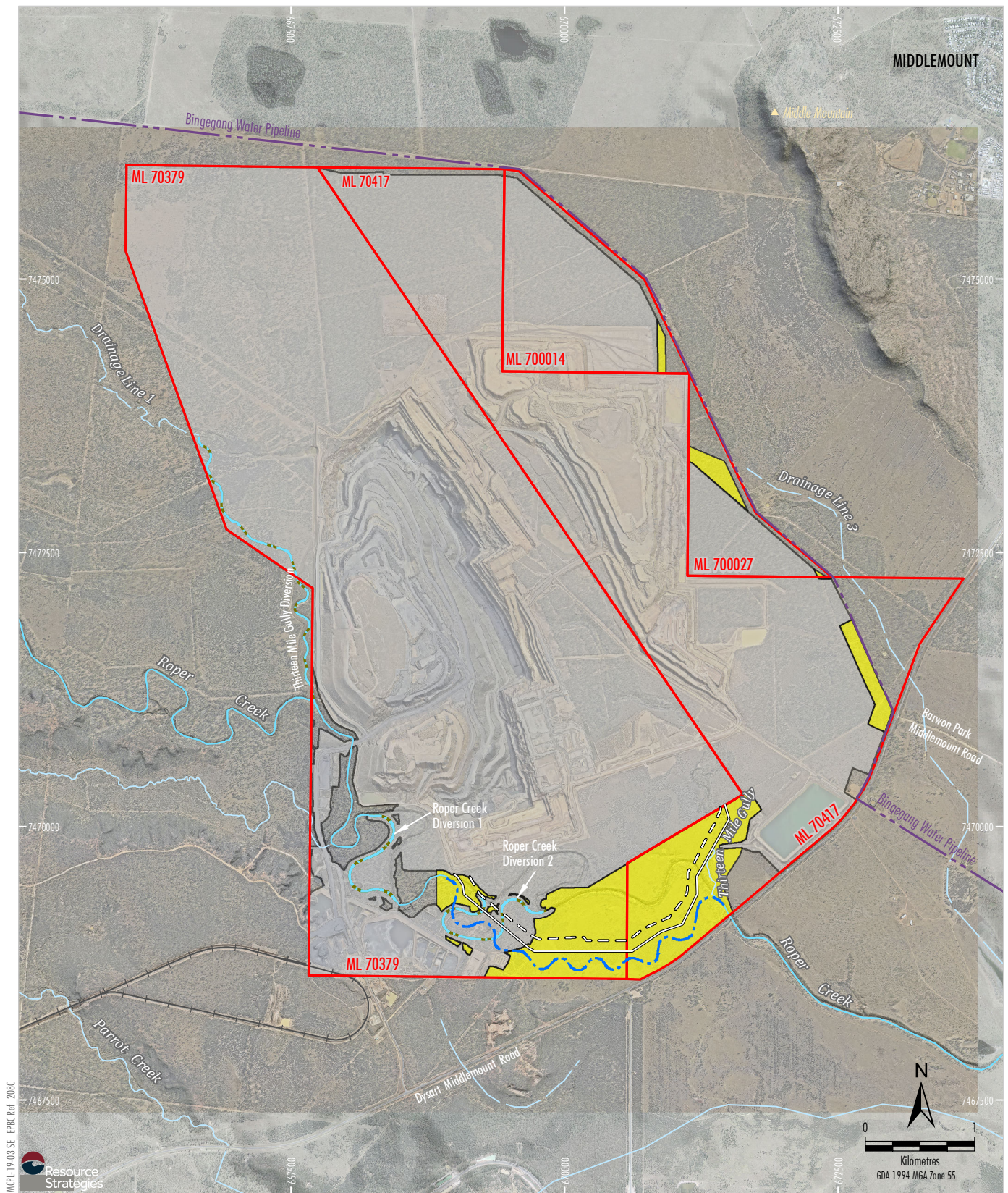


Figure 1



middlemount coal
SOUTHERN EXTENSION PROJECT
Existing/Approved Middlemount Coal Mine
General Arrangement

Figure 2



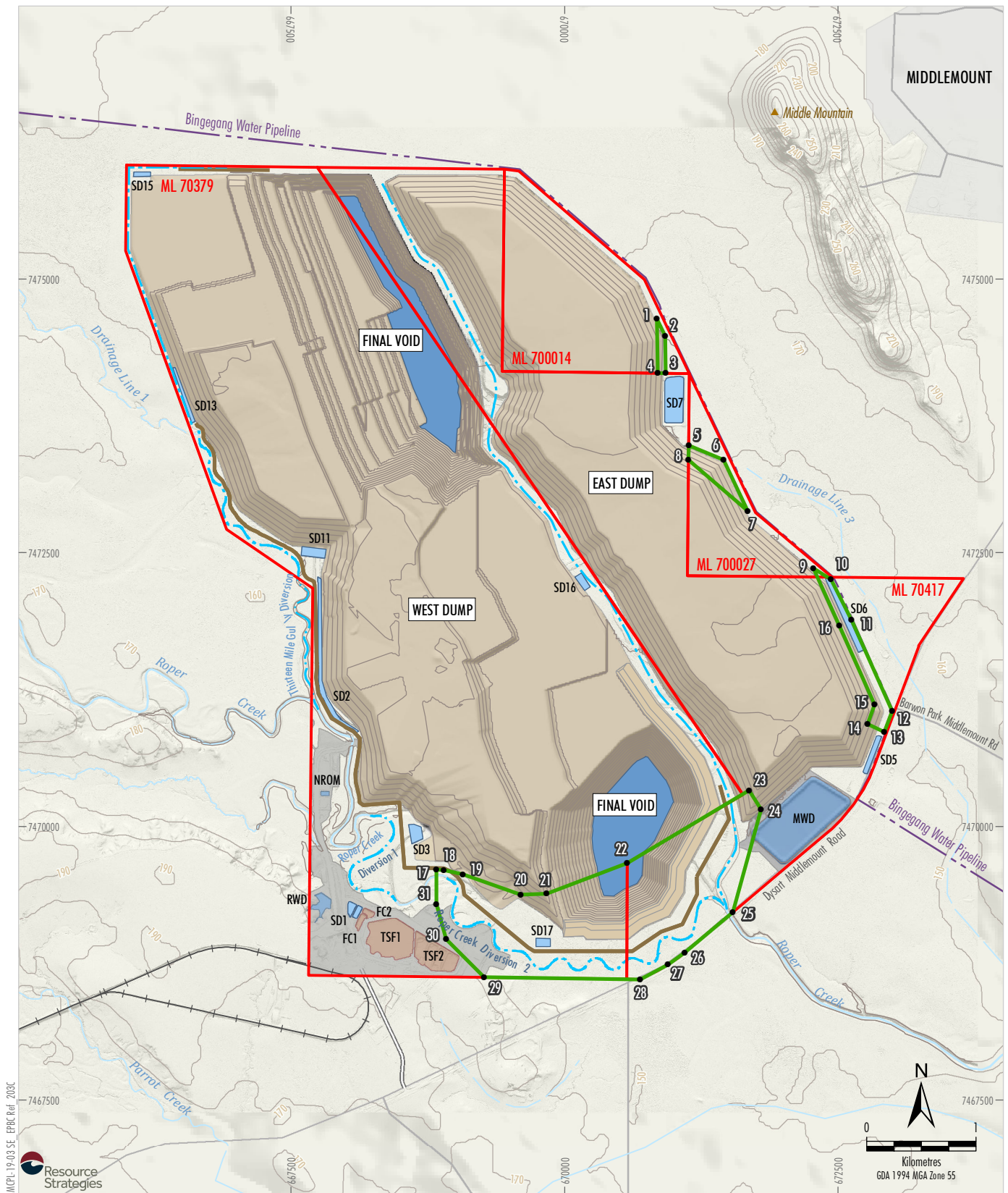
- LEGEND**
- Mining Lease Boundary (ML)
 - Middlemount Rail Spur and Loop
 - Approved Disturbance Footprint
 - Approved Diversion Structure
 - Realigned Diversion
 - Levee
 - Open Cut Pit Extension
 - Approximate Extent of Additional Disturbance Associated with the Action

Source: MCPL (2020); The State of Queensland (2020)
Orthophoto: MCPL (September 2019)



SOUTHERN EXTENSION PROJECT
Approximate Footprint of the Action

Figure 3



MCPL 19-03 SE EPBC Ref. 203C
Resource Strategies

- LEGEND**
- Mining Lease Boundary (ML)
 - Mine Pit and Spoil
 - Mine Infrastructure Area
 - Tailings Storage Facility
 - Sediment Dam
 - Water Storage
 - Diversion Structure
 - Levee
 - Mine Access Road
 - + + Middlemount Rail Spur and Loop

Southern Extension Project - The Action

 Approximate Location of Proposed Additional Disturbance

POINT	EASTING	NORTHING	POINT	EASTING	NORTHING
1	670845.11	7474631.33	17	668826.44	7469603.42
2	670921.65	7474478.33	18	668894.49	7469600.61
3	670923.31	7474136.99	19	669071.66	7469559.99
4	670850.65	7474137.80	20	669598.99	7469373.70
5	671134.10	7473475.80	21	669834.36	7469384.66
6	671452.71	7473344.67	22	670571.82	7469661.63
7	671671.66	7472878.90	23	671687.20	7470325.66
8	671132.60	7473346.58	24	671797.90	7470153.40
9	672274.15	7472356.36	25	671538.85	7469216.22
10	672434.52	7472253.13	26	671099.40	7468847.11
11	672621.77	7471884.34	27	670945.75	7468736.19
12	672993.98	7471050.47	28	670691.38	7468602.47
13	672922.95	7470861.42	29	669265.93	7468619.80
14	672769.38	7470932.04	30	668916.65	7468966.97
15	672831.34	7471110.58	31	668826.44	7469288.52
16	672509.64	7471829.85			

Source: MCPL (2020); The State of Queensland (2020)

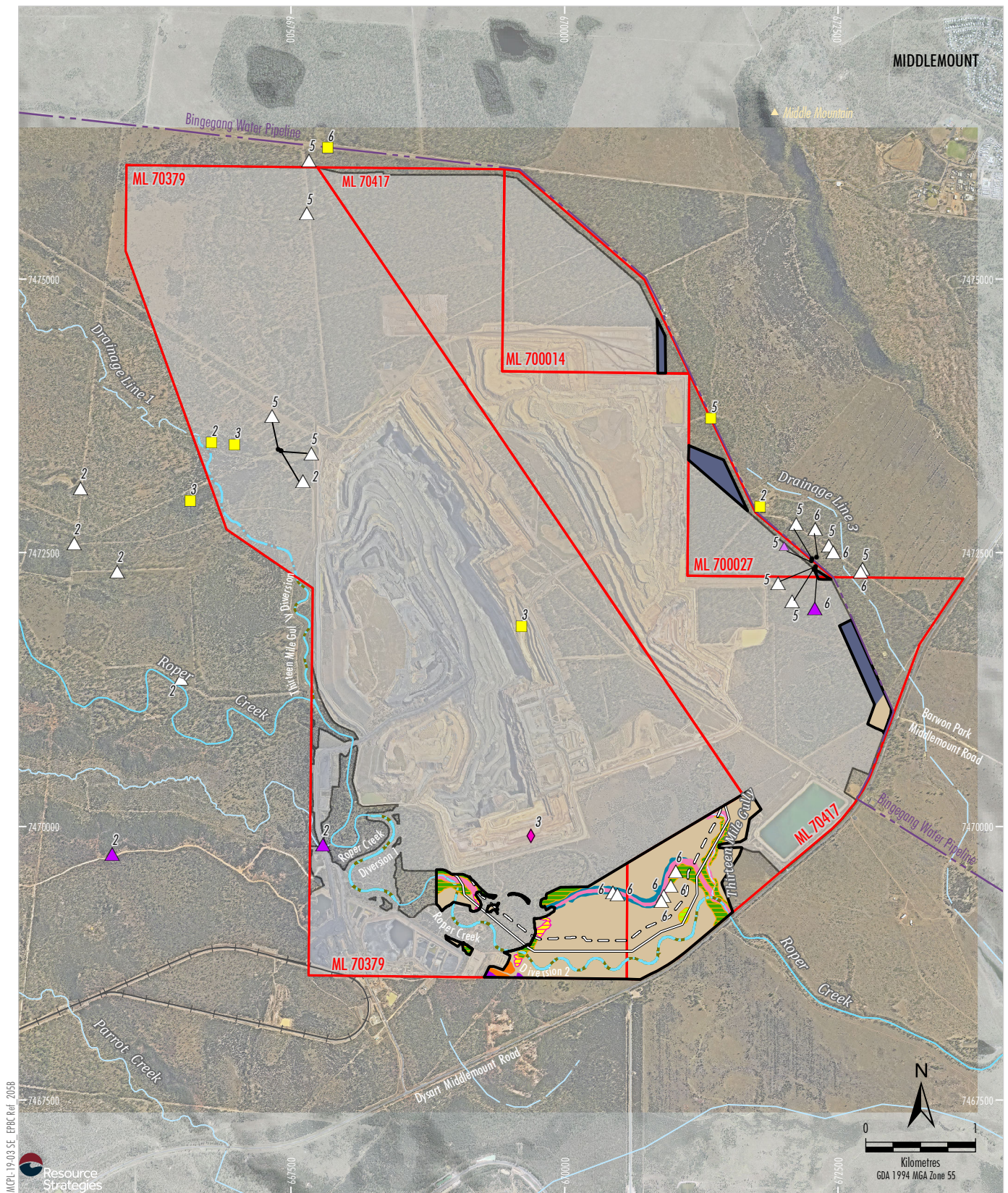


SOUTHERN EXTENSION PROJECT
General Arrangement of the
Middlemount Coal Mine
Incorporating the Action

Figure 4



Figure 5



- LEGEND**
- Mining Lease Boundary (ML)
 - Middlemount Rail Spur and Loop
 - Approved Disturbance Footprint
 - Diversion Structure
 - Levee
 - Open Cut Pit Extension
 - Approximate Extent of Additional Disturbance

- Regional Ecosystem**
- 11.3.1
 - 11.3.2
 - 11.3.2b
 - 11.3.25
 - 11.3.7
 - 11.5.3
 - 11.7.2
 - 11.7.4
 - Non-remnant (cleared)
 - Brigalow TEC
 - Poplar Box TEC

- Threatened Species Records**
- Squatter Pigeon (southern)
 - ◆ Ornamental Snake
 - △ Greater Glider
 - ▲ Koala
 - △ Koala Scats
- Reference:**
- 1 Ecology and Heritage Partners (2012)
 - 2 Naturecall Environmental (2014)
 - 3 Parsons Brinkerhoff (2010)
 - 4 Biodiversity Australia (2018)
 - 5 Naturecall Environmental (2017)
 - 6 Biodiversity Australia (2020)

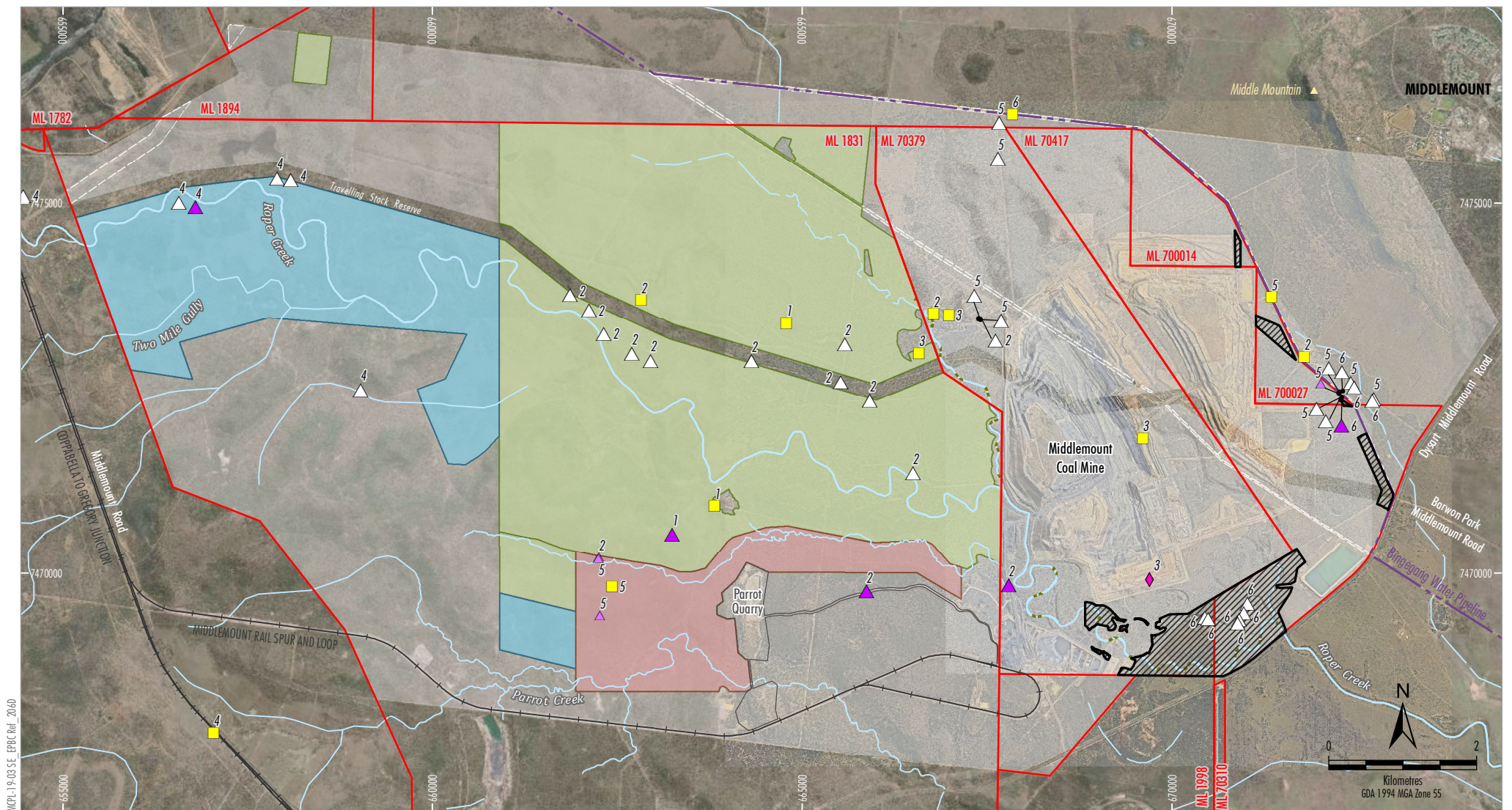
Source: MCPL (2020); Biodiversity Australia (2020);
The State of Queensland (2020)
Orthophoto: MCPL (Sept 2019)



SOUTHERN EXTENSION PROJECT

Ground-truthed Regional Ecosystems and Recorded EPBC Act Listed Fauna Species

Figure 6



LEGEND

- Mining Lease Boundary (ML)
- Middlemount Coal Owned Land
- Railway
- Approximate Extent of Additional Disturbance
- Existing Offset Areas
- North-eastern Extension Commonwealth Offset Area (EPBC 2016/7717)
- Middlemount Coal (Stage 2) Project Commonwealth Offset Area (EPBC 2010/5394)
- Western Extension Commonwealth Offset Area (EPBC 2017/8130)

- Threatened Species Records**
- Squatter Pigeon (southern)
 - Ornamental Snake
 - Greater Glider
 - Koala
 - Koala Scats

- Reference:**
- 1 Ecology and Heritage Partners (2012)
 - 2 Naturecall Environmental (2014)
 - 3 Parsons Brinkerhoff (2010)
 - 4 Biodiversity Australia (2018)
 - 5 Naturecall Environmental (2017)
 - 6 Biodiversity Australia (2020)

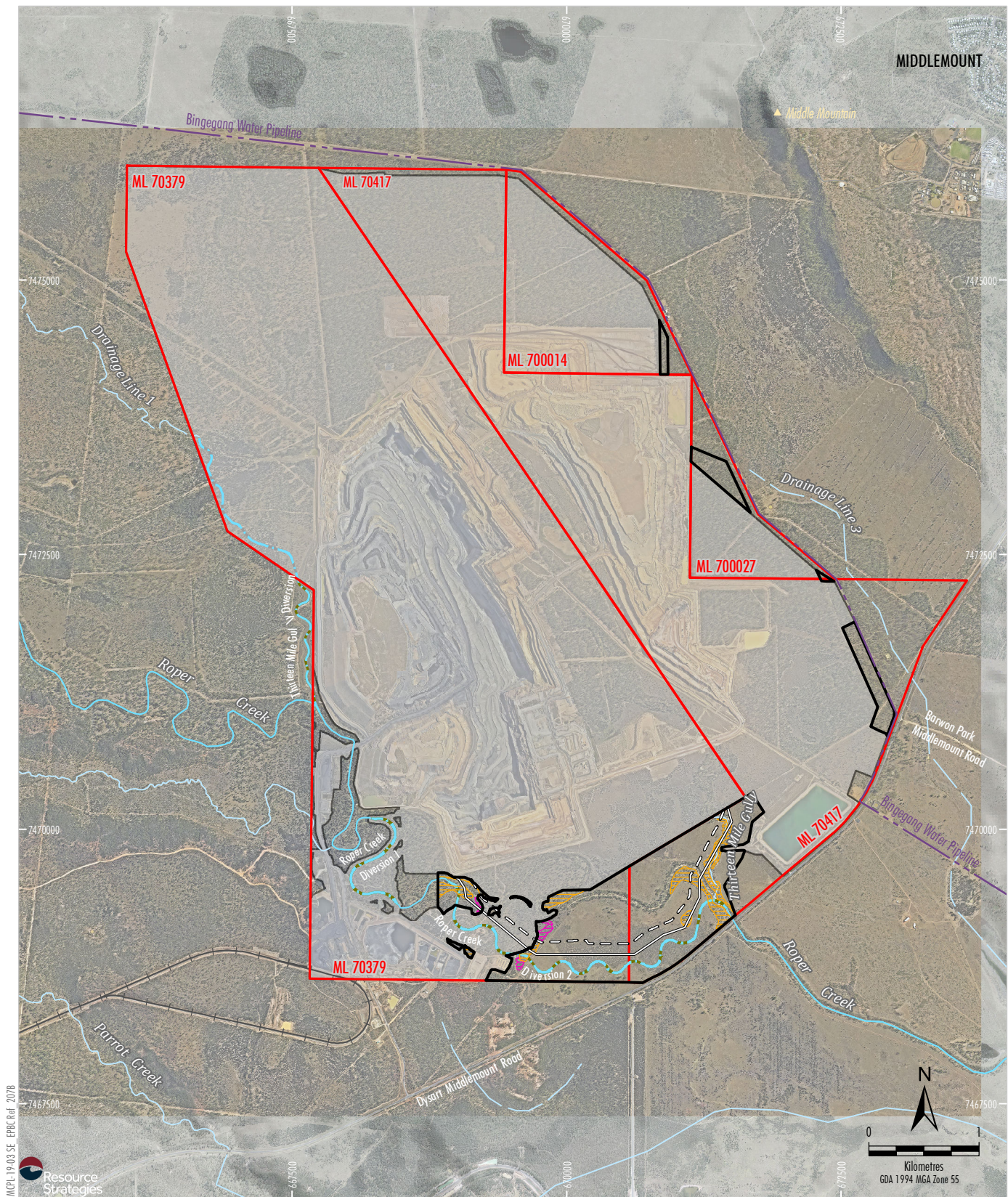
Source: MCPL (2020); State of Queensland (2020)
Orthophoto: MCPL (Sept 2019); Esri, DigitalGlobe (2019)



SOUTHERN EXTENSION PROJECT

Extent of Approved Offsets
 Under the EPBC Act

Figure 7



- LEGEND**
- Mining Lease Boundary (ML)
 - Middlemount Rail Spur and Loop
 - Approved Disturbance Footprint
 - Diversion Structure
 - Levee
 - Open Cut Pit Extension
 - Approximate Extent of Additional Disturbance

- Threatened Ecological Communities**
- Brigalow TEC
 - Poplar Box TEC

Source: MCPL (2020); Biodiversity Australia (2020);
The State of Queensland (2020)
Orthophoto: MCPL (Sept 2019)



SOUTHERN EXTENSION PROJECT
Threatened Ecological Communities

Figure 8