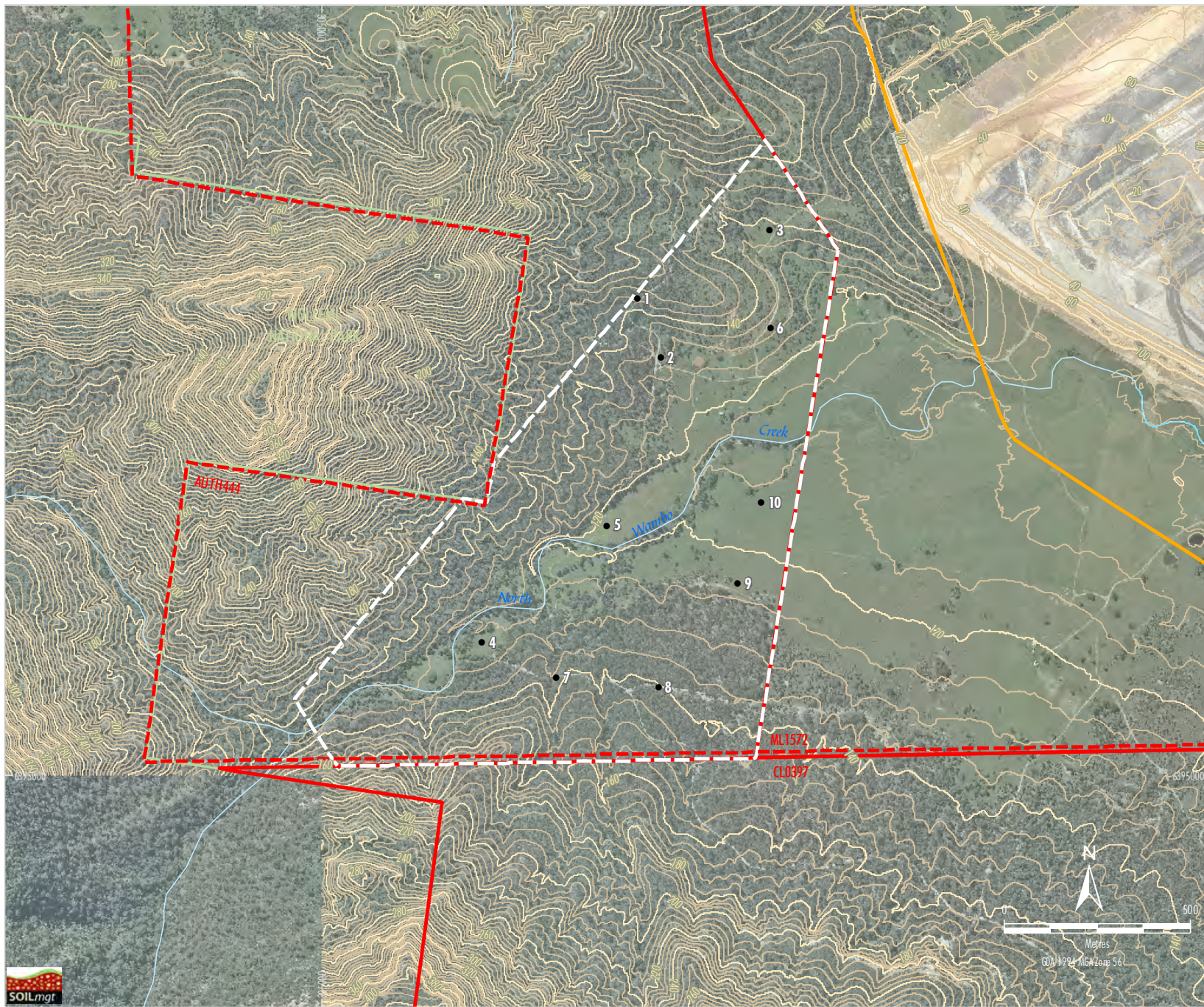


SOIL MAPS 1 TO 13



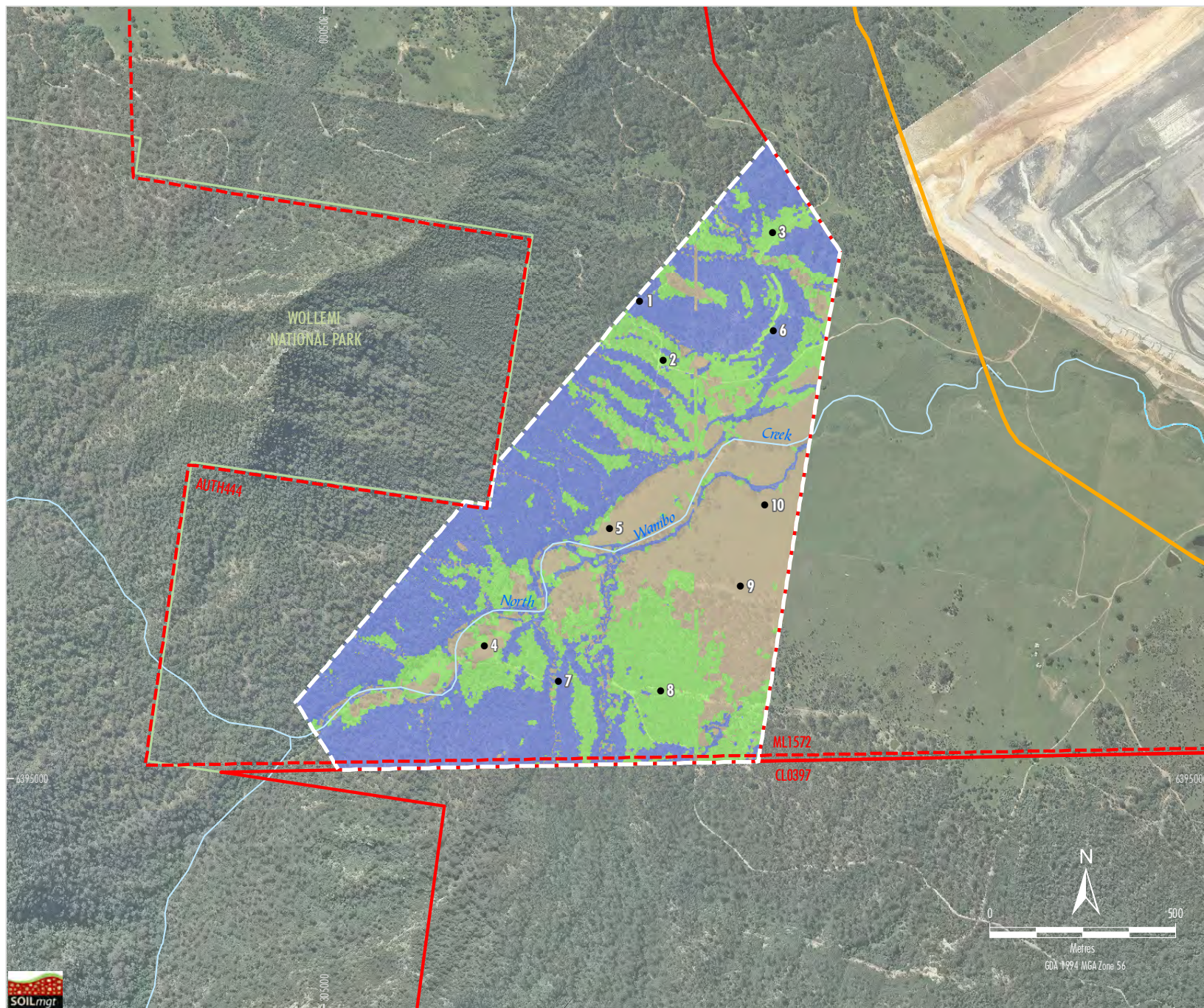
LEGEND

- Mining and Coal Lease Boundary
- Exploration Licence Boundary
- Existing/Approved Surface Development Area
- Site Verification Certificate Application Area
- Soil Test Pit
- Surface Contour (5 m AHD)

Source: Department of Lands (July 2016); WCPL (2016); WCPL Orthophoto (Apr-Oct 2013)

Peabody
 ENERGY
 WAMBO COAL MINE
 Surface Contours

Map 1a



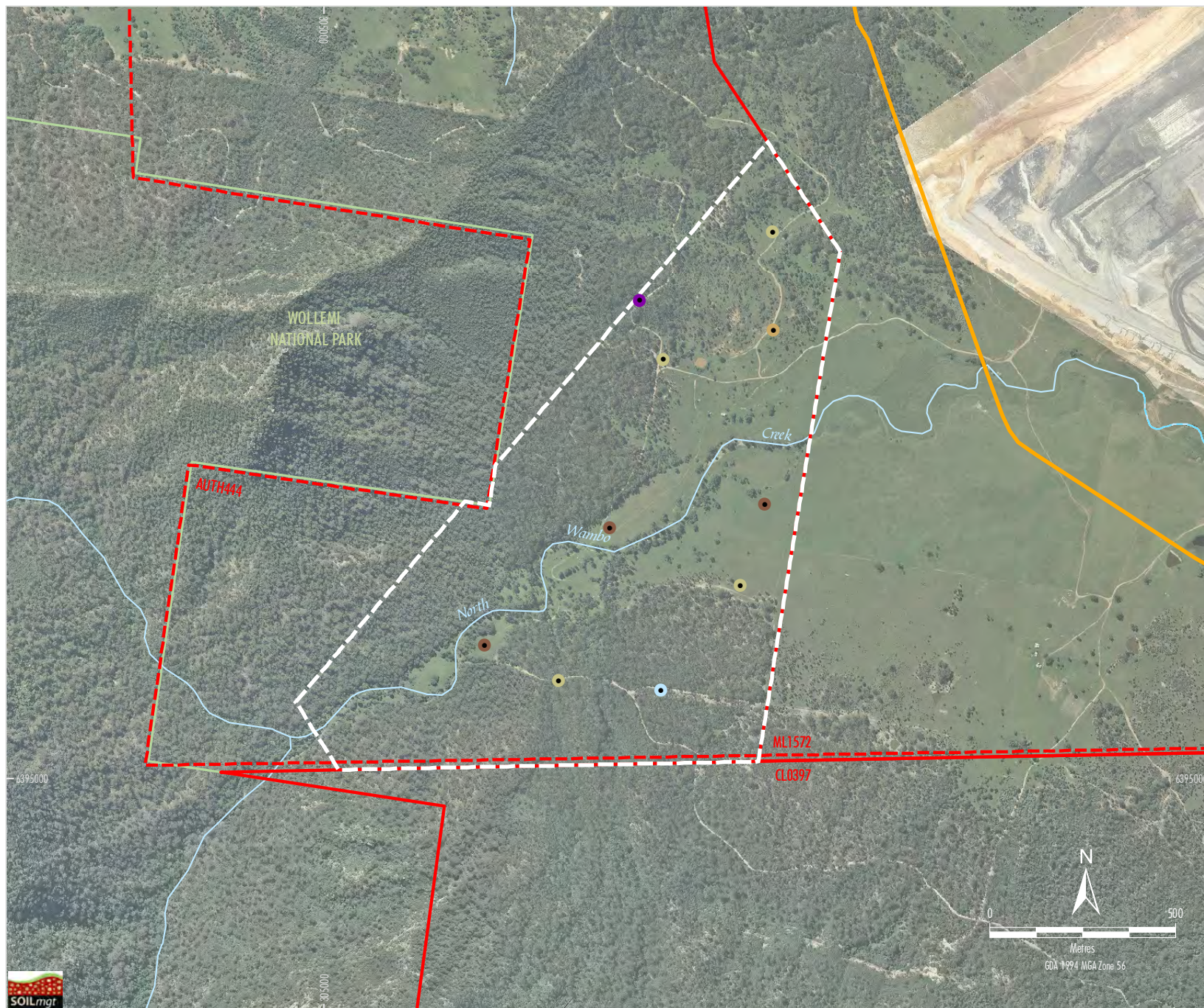
LEGEND

- Mining and Coal Lease Boundary
- - - Exploration Licence Boundary
- Existing/Approved Surface Development Area
- - - Site Verification Certificate Application Area
- Soil Test Pit
- Slopes < 5%
- Slopes 5% to 10%
- Slopes > 10%

*Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)*


WAMBO COAL MINE
 Slope Categories

Map 1b

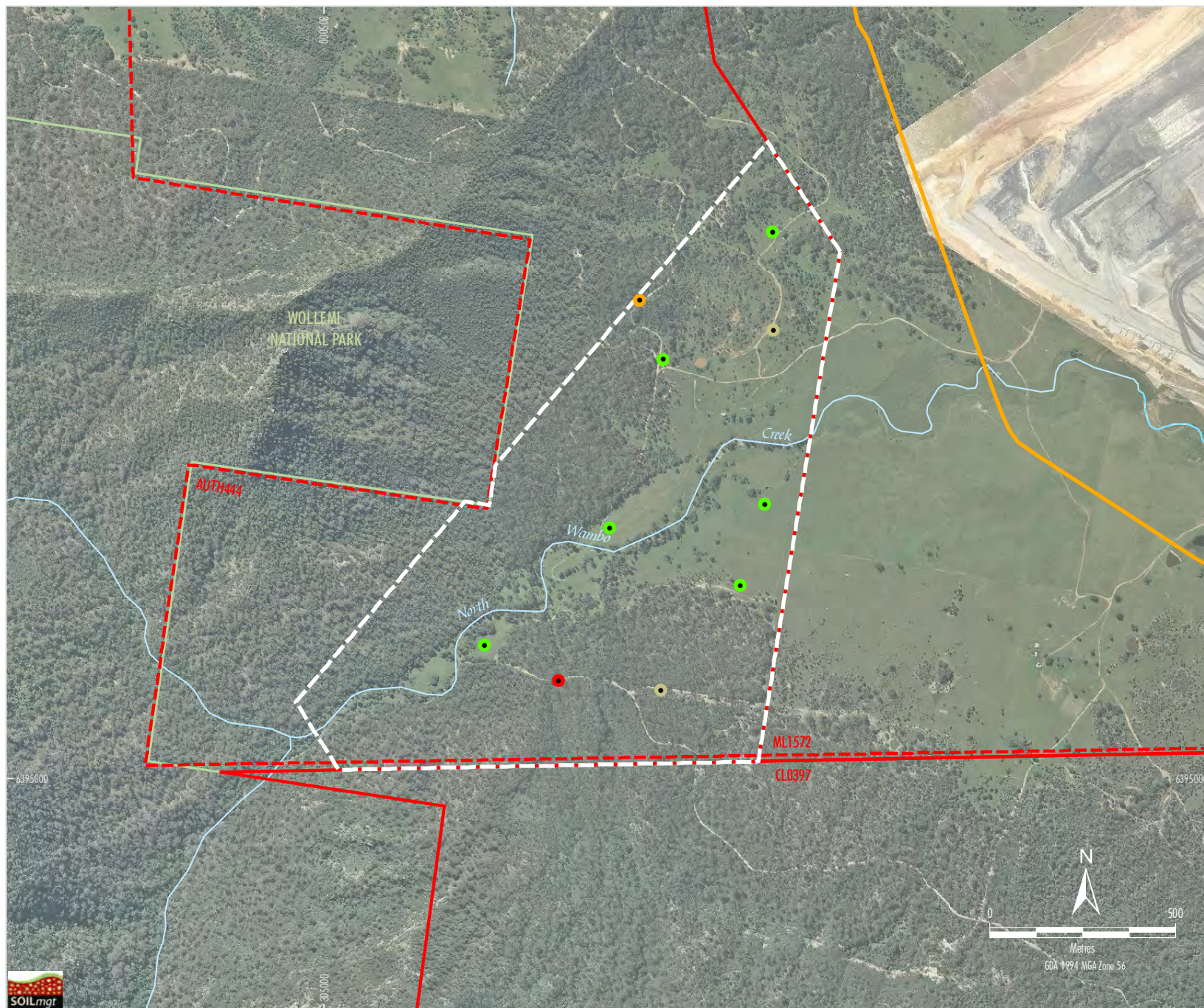


- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - - - Site Verification Certificate Application Area
 - Soil Test Pit
- Soil Types**
- Chromosol
 - Kandosol
 - Rudosol
 - Sodosol
 - Tenosol
- Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)

Peabody
ENERGY

WAMBO COAL MINE

Soil Types - Australian Soil Classification



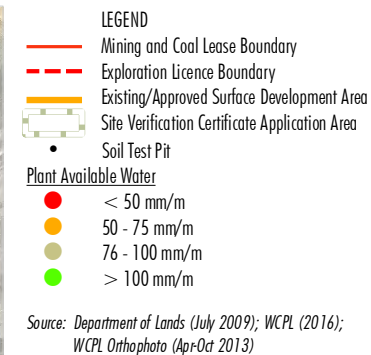
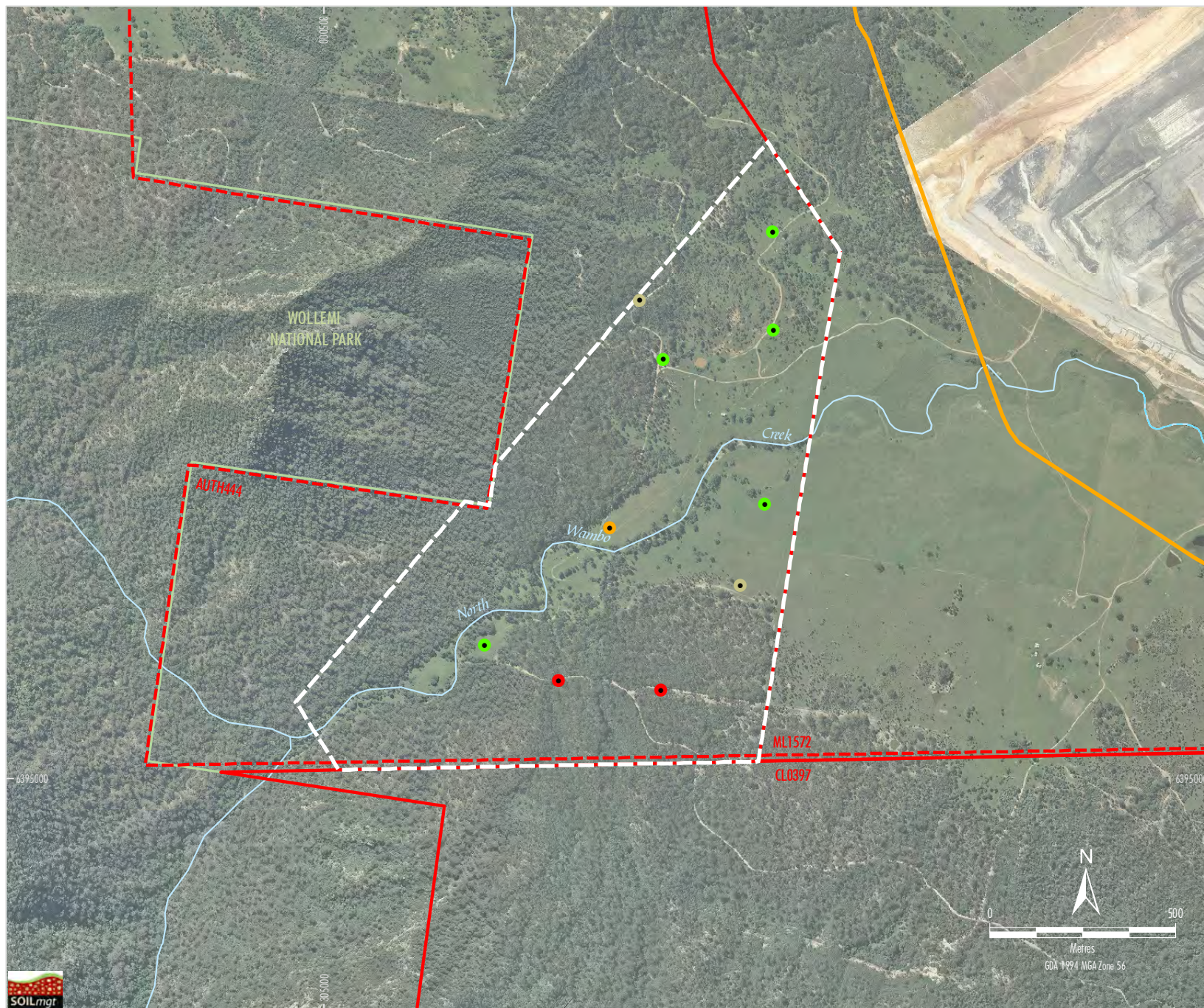
LEGEND

- Mining and Coal Lease Boundary
- - - Exploration Licence Boundary
- Existing/Approved Surface Development Area
- - - Site Verification Certificate Application Area
- Soil Test Pit

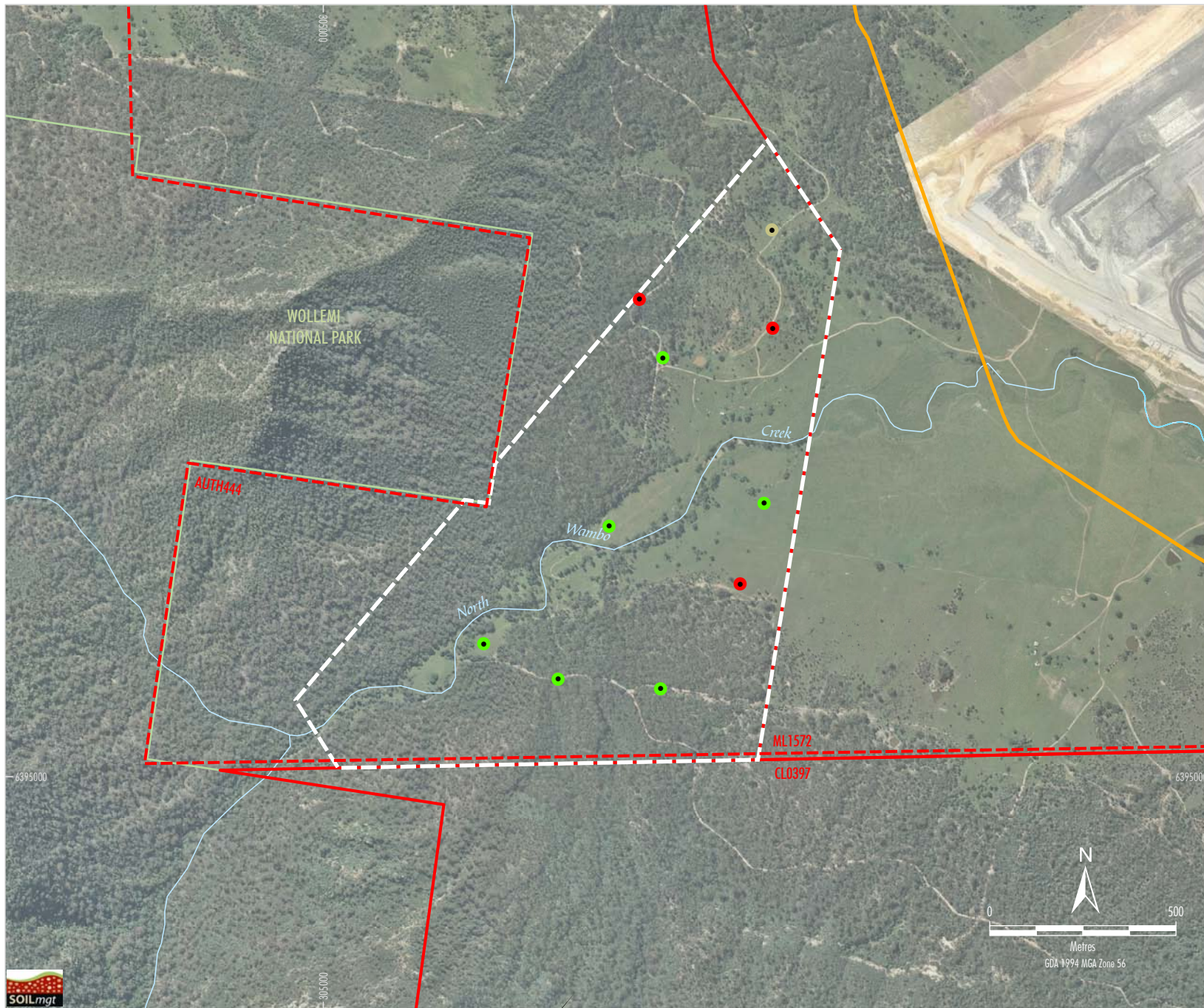
Depth to Rock

- < 50 cm
- 50 - 75 cm
- 76 - 100 cm
- > 100 cm

Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



DRAFT



WAM-09-15 SBEM SVCR SM 214B

LEGEND

- Mining and Coal Lease Boundary
 Exploration Licence Boundary
 Existing/Approved Surface Development Area
 Site Verification Certificate Application Area

- Soil Test Pit

Depth to Mottled Layer

- < 50 cm
- 50 - 100 cm
- > 100 cm

Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)

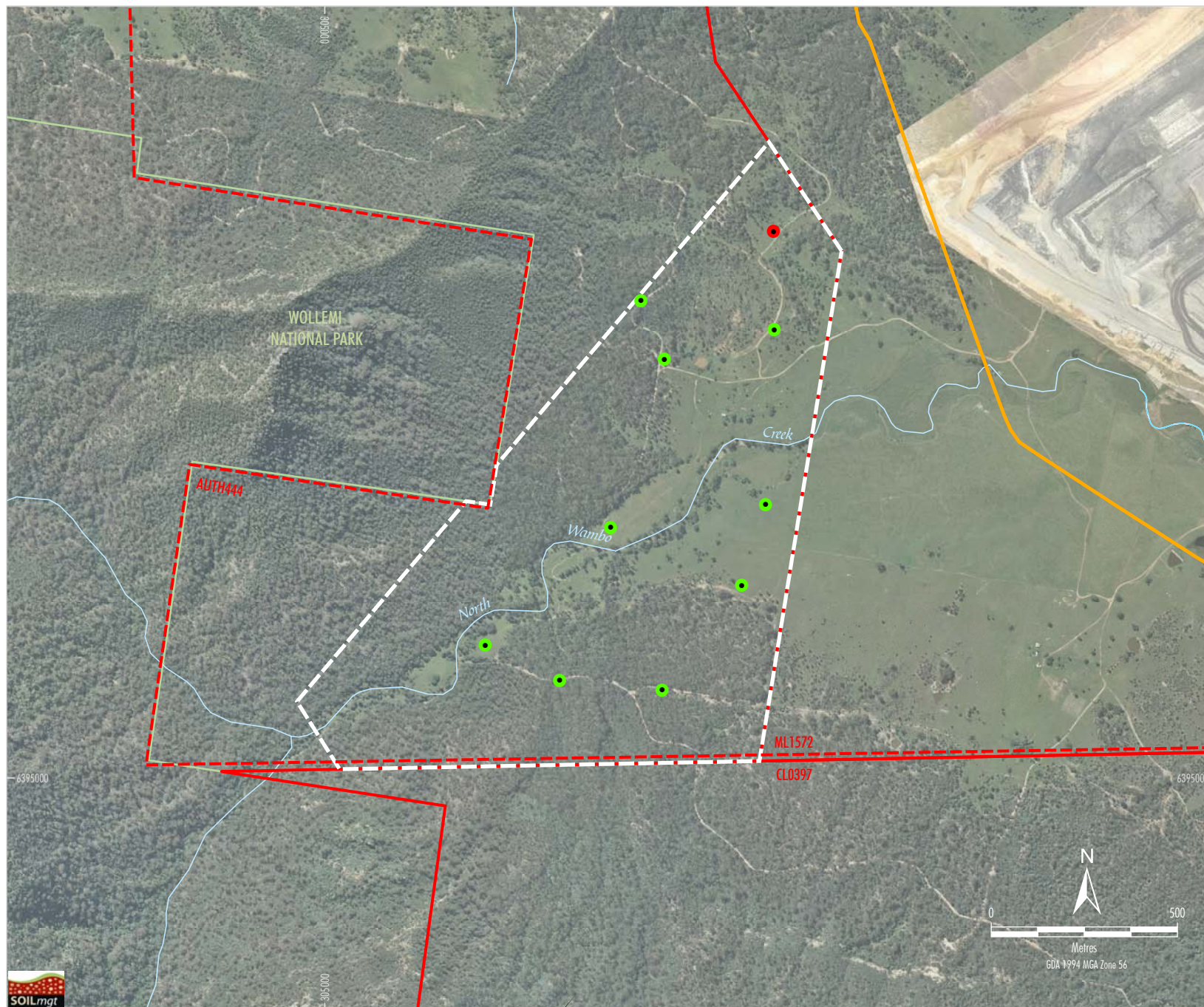


W A M B O C O A L M I N E

Depth to Mottled Layer

Map 5

DRAFT



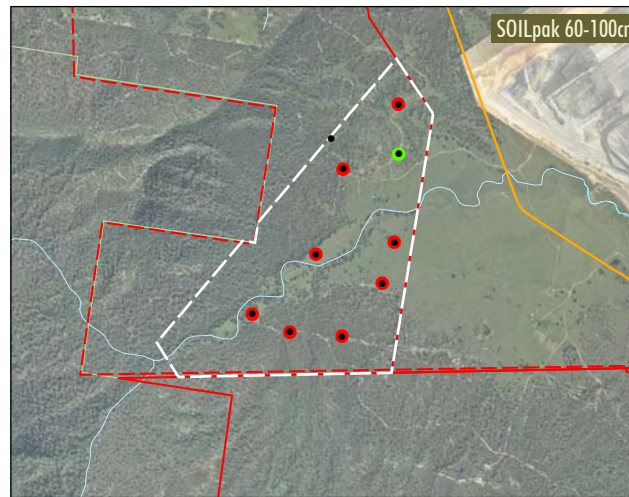
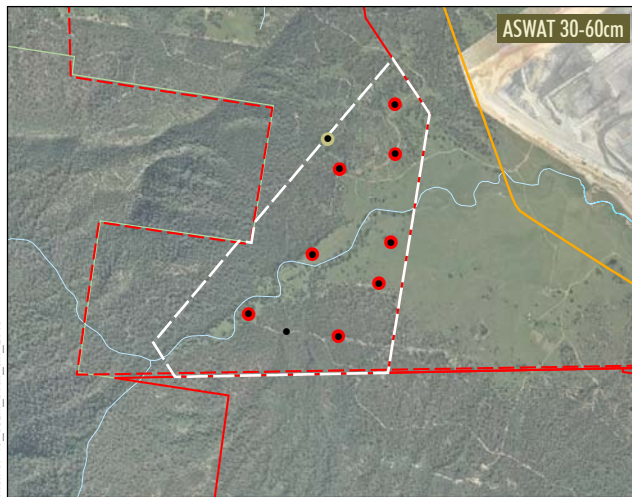
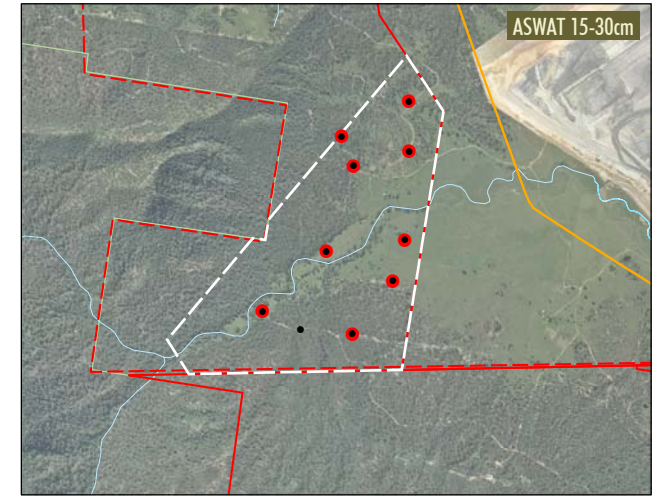
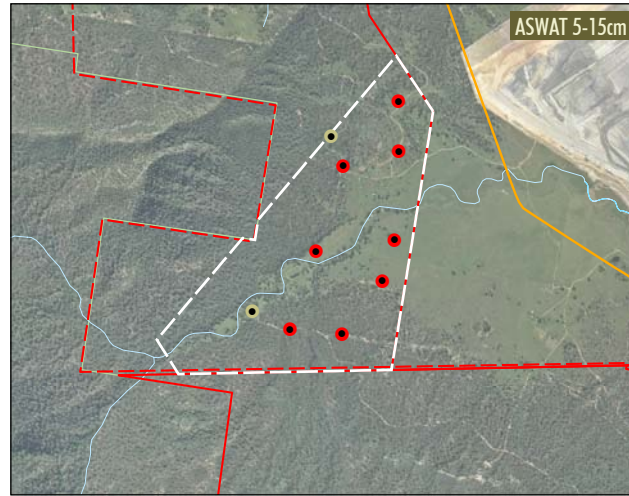
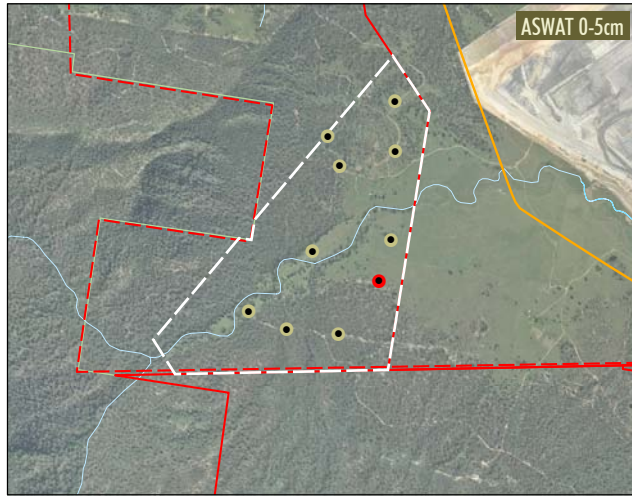
LEGEND

- Mining and Coal Lease Boundary
- - - Exploration Licence Boundary
- Existing/Approved Surface Development Area
- - - Site Verification Certificate Application Area
- Soil Test Pit

Depth to Layer with Lime

- < 60 mm/m
- 60 - 140 mm/m
- > 140 mm/m

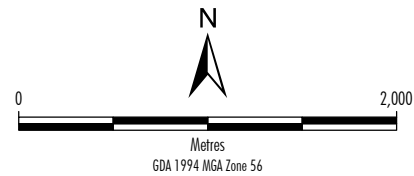
Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



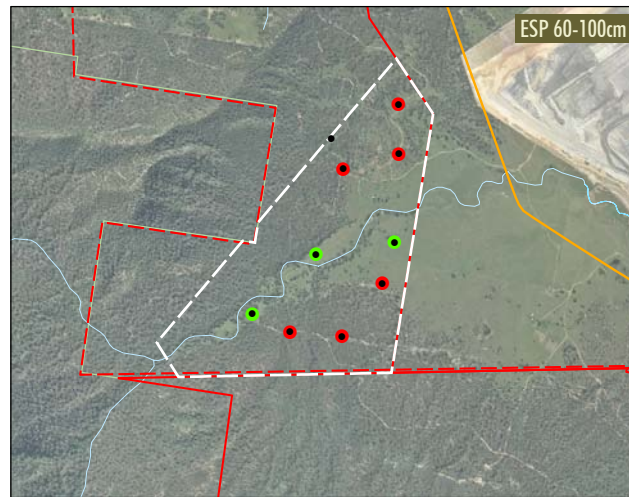
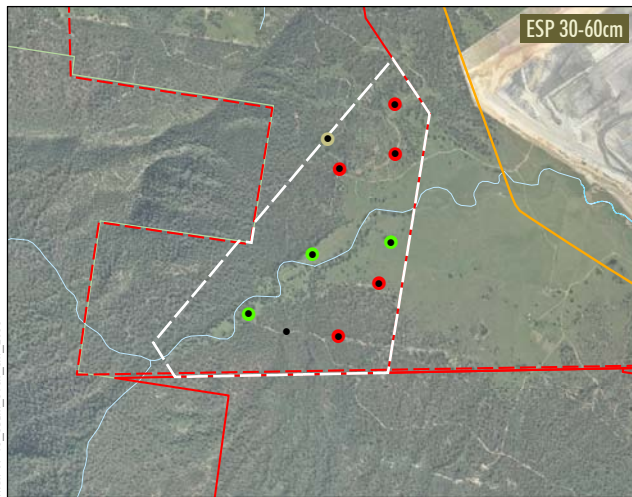
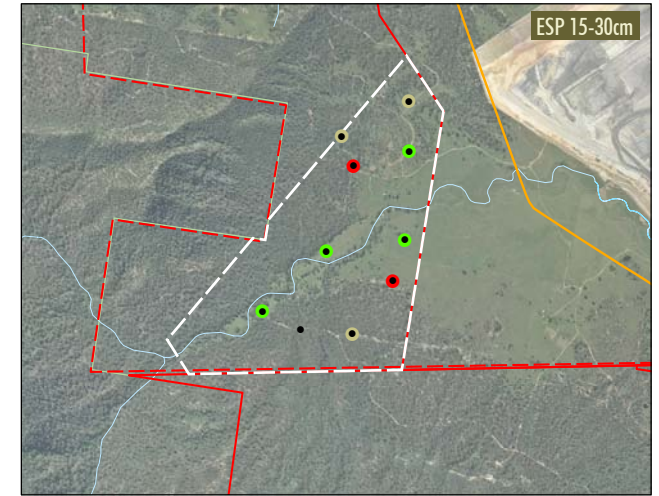
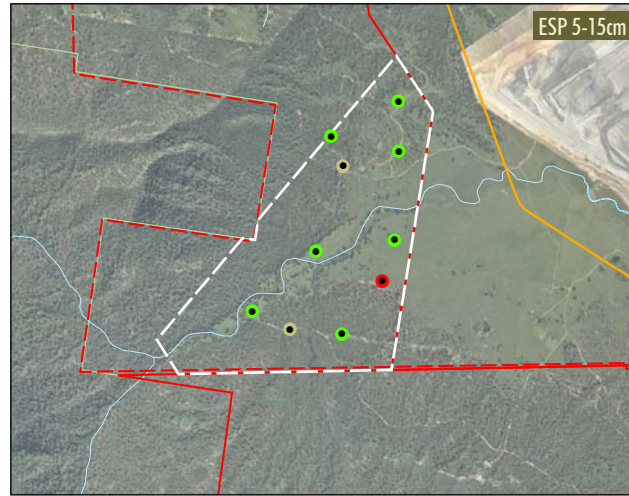
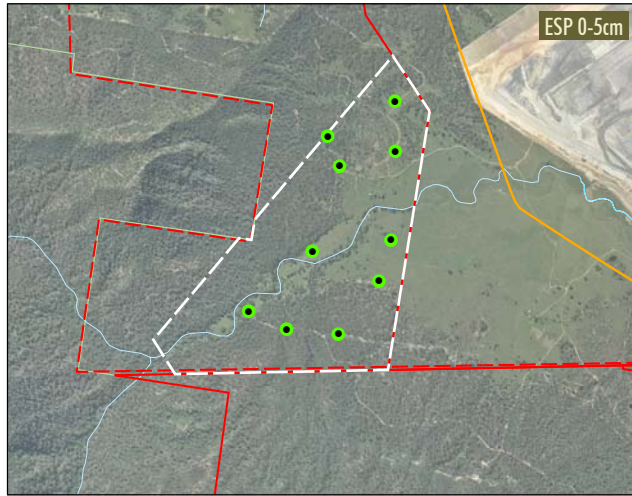
WMA-09-15_SBEM_SVCR_SW_204C

- LEGEND**
- Mining and Coal Lease Boundary
 - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area

- Soil Test Pit
- Dispersion (ASWAT) > 6
- 2 - 6
- < 2



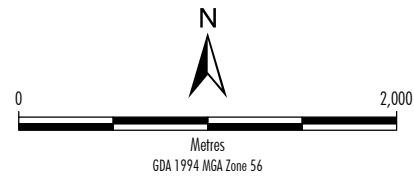
Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



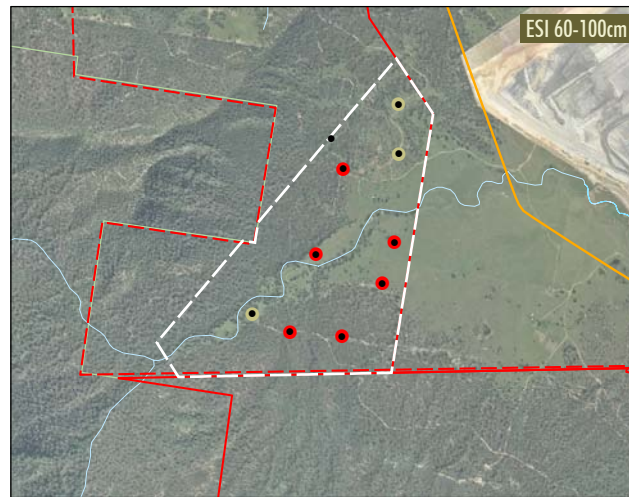
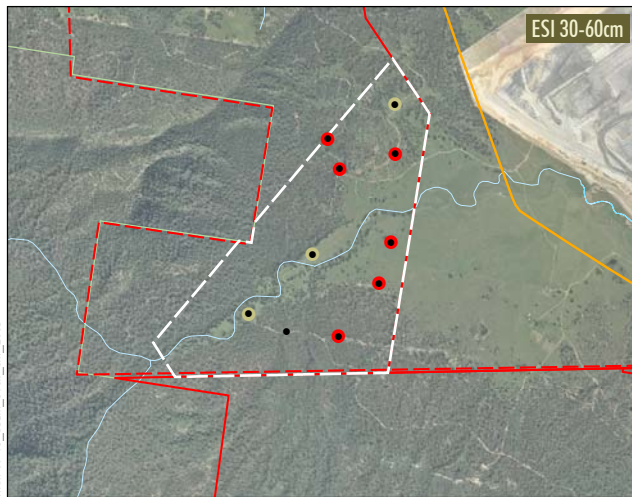
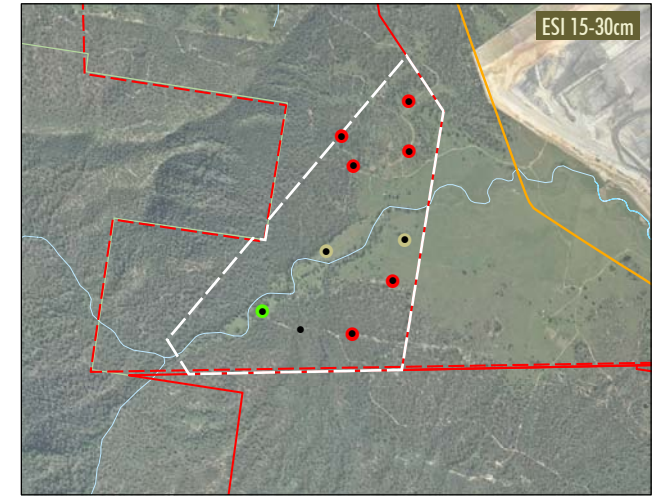
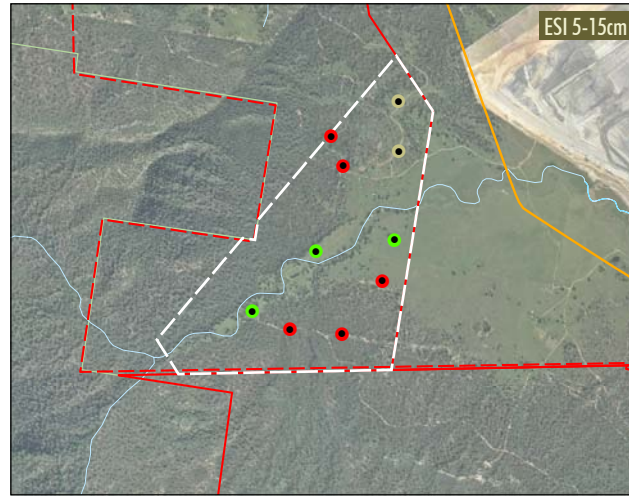
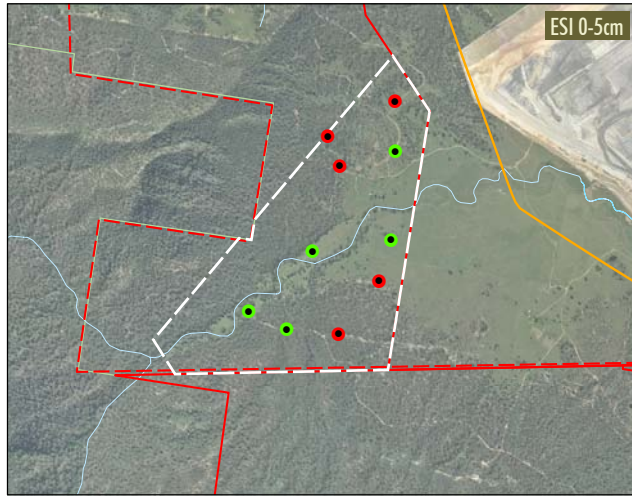
WMA-09-15_SBEM_SVCR_SM_205C

- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area

- Dispersion (ESP)**
- Soil Test Pit
 - > 6
 - 3 - 6
 - < 3



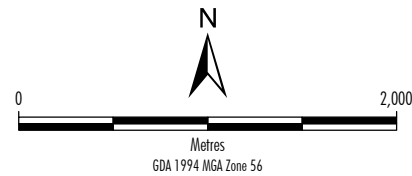
Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



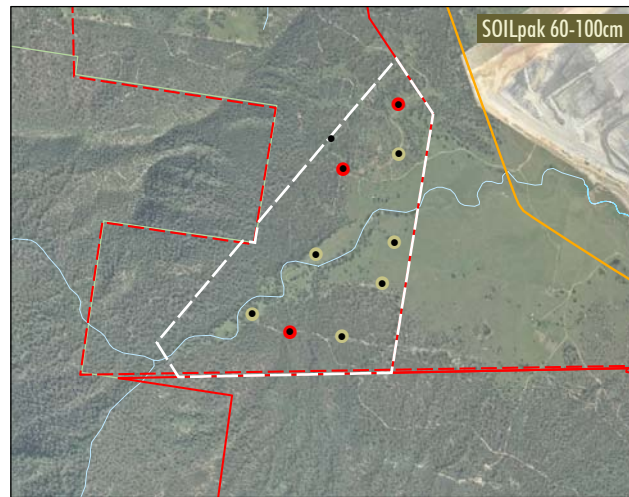
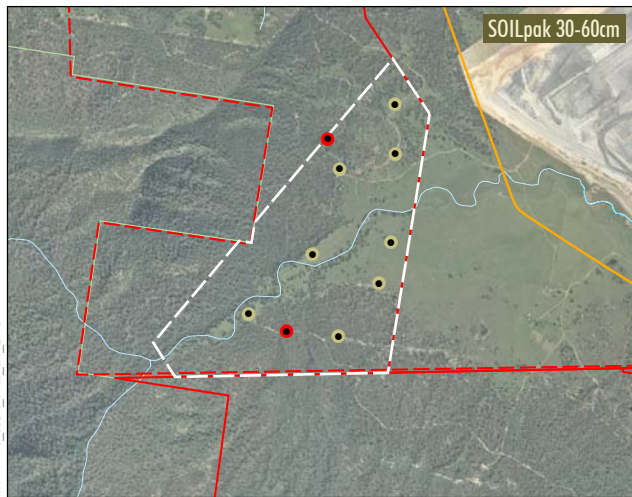
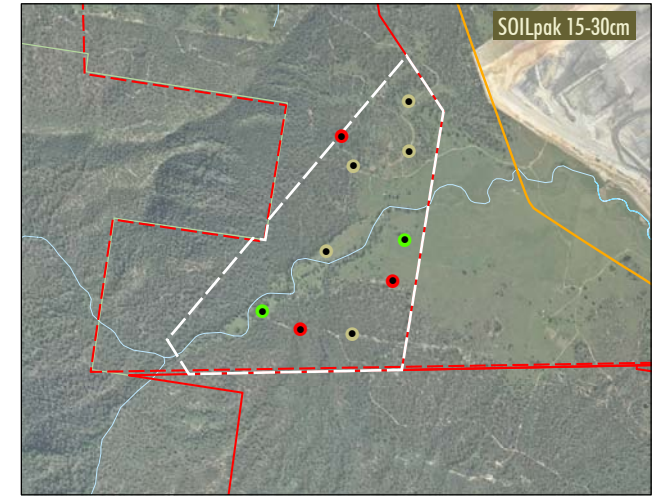
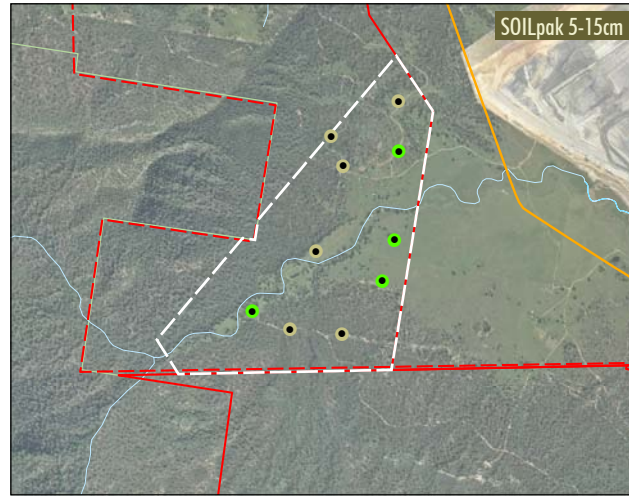
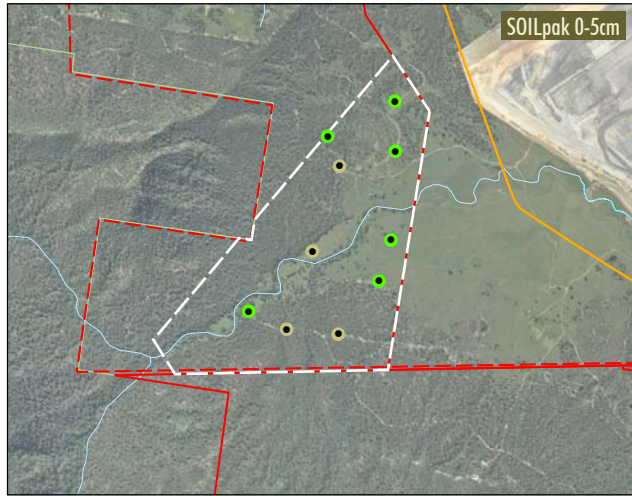
WMA-09-15_SBEM_SVCN_SIN_2068

- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area

- Soil Test Pit
- Dispersion (ESI)
- < 0.03
- 0.03 - 0.05
- > 0.05

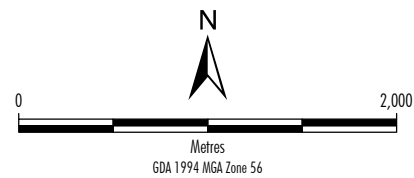


Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



WMA-09-15_SBEM_SVCN_SK_2078

- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area
 - Soil Test Pit
 - Compaction Severity**
 - < 1.0
 - 1.0 - 1.5
 - > 1.5

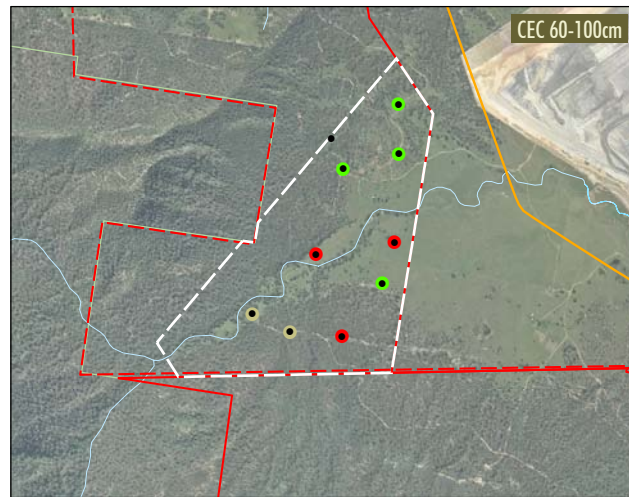
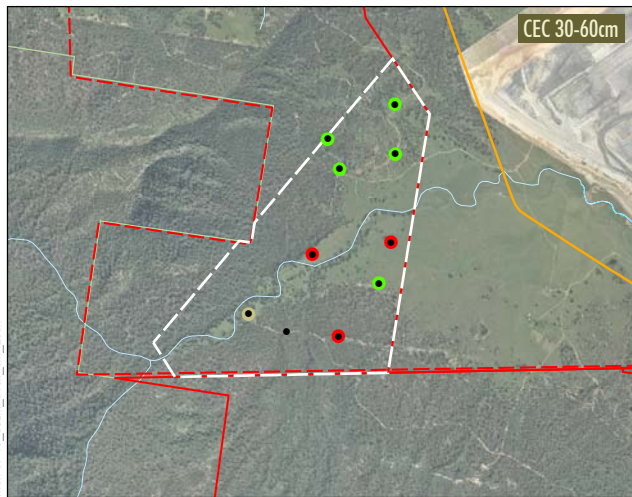
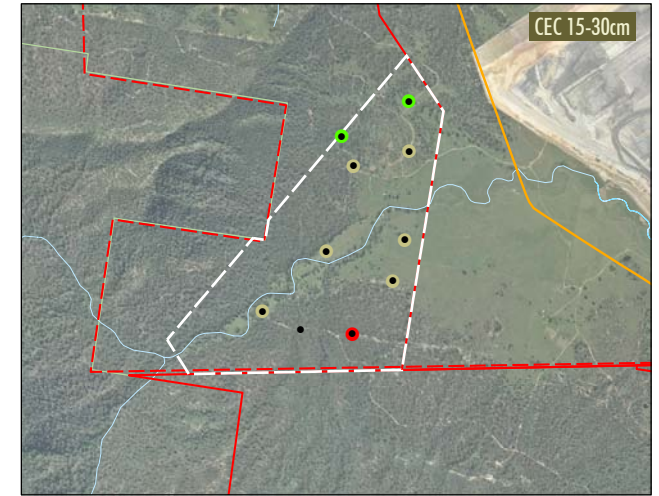
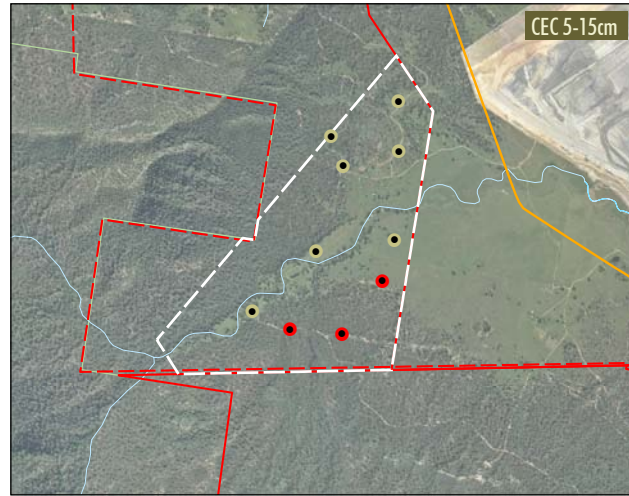
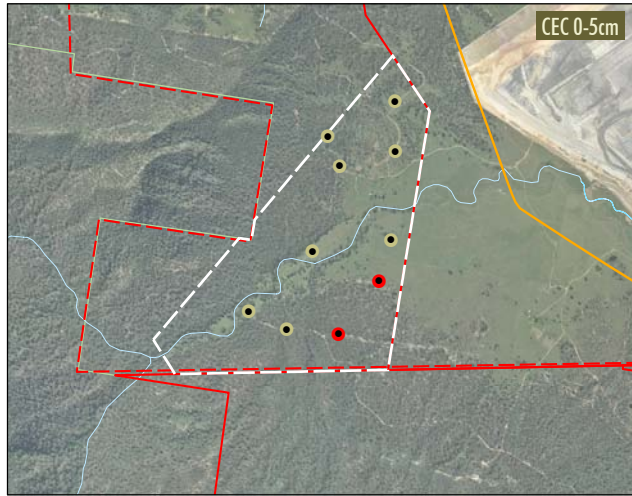


Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)

Peabody
ENERGY

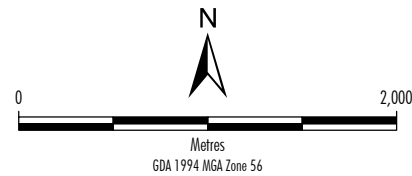
W A M B O C O A L M I N E

Compaction Severity (SOILpak Score)

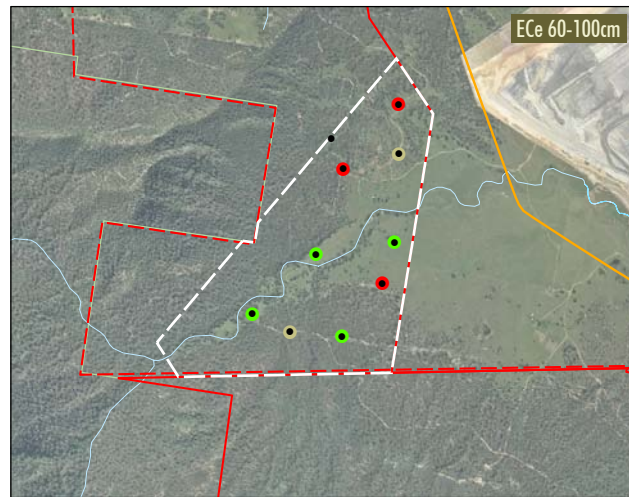
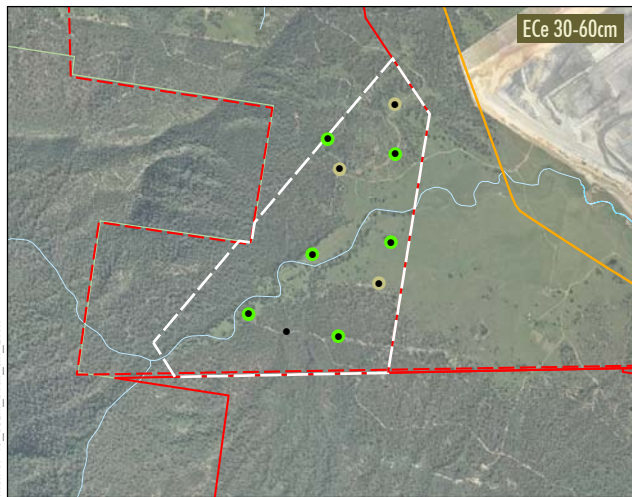
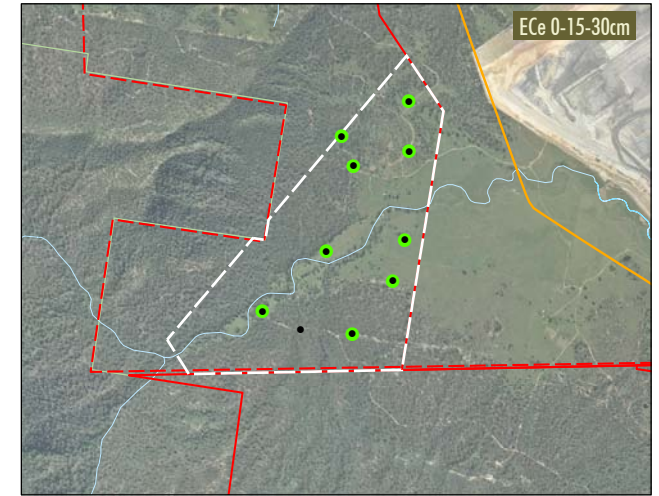
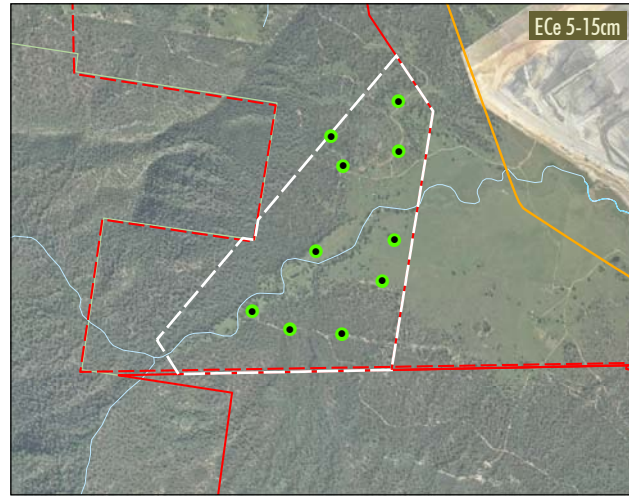
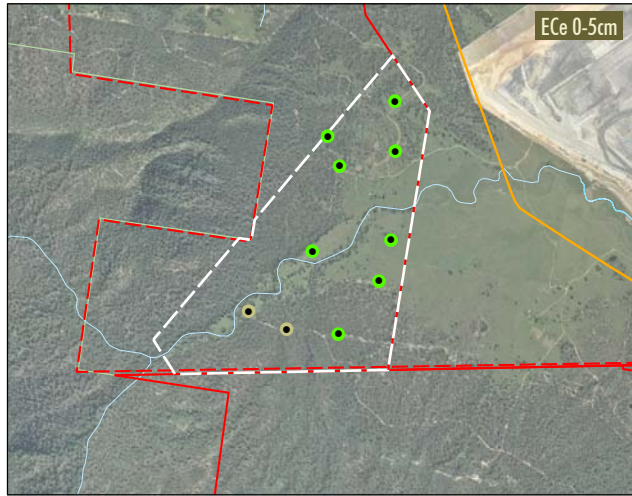


WMA-09-15_SBEM_SVCN_SKI_2008A

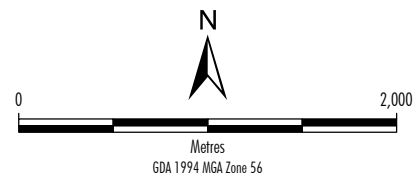
- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area
 - Soil Test Pit
 - Cation Exchange Capacity**
 - < 5 (meq/100 g)
 - 5 - 15 (meq/100 g)
 - > 15 (meq/100 g)



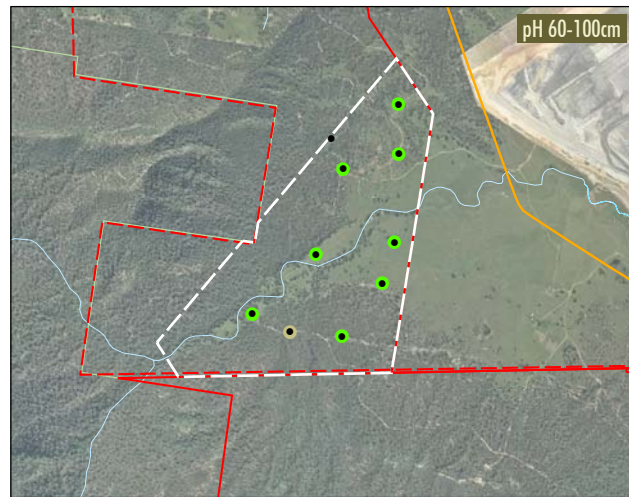
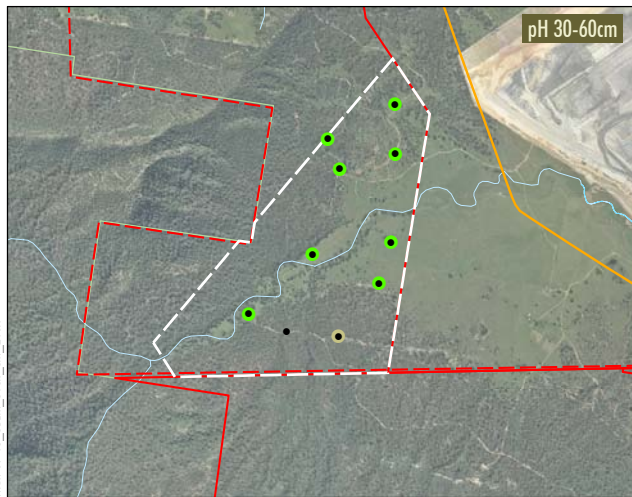
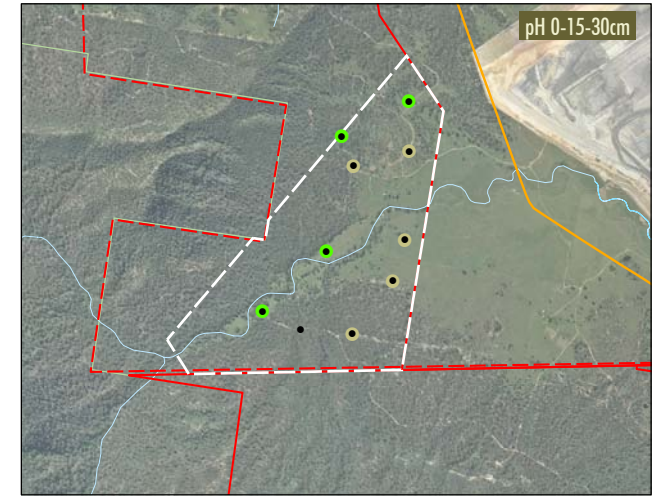
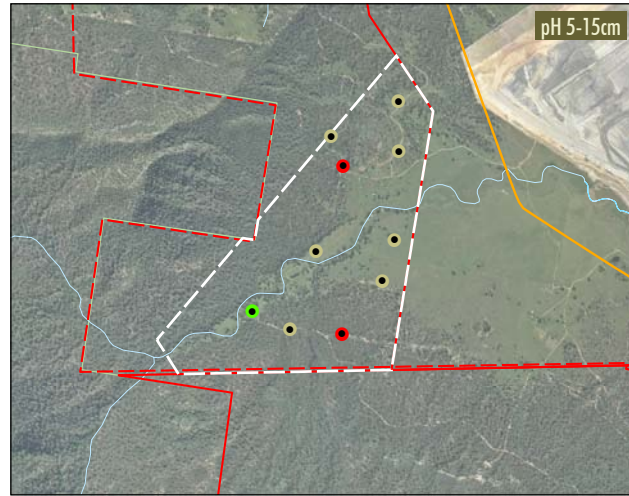
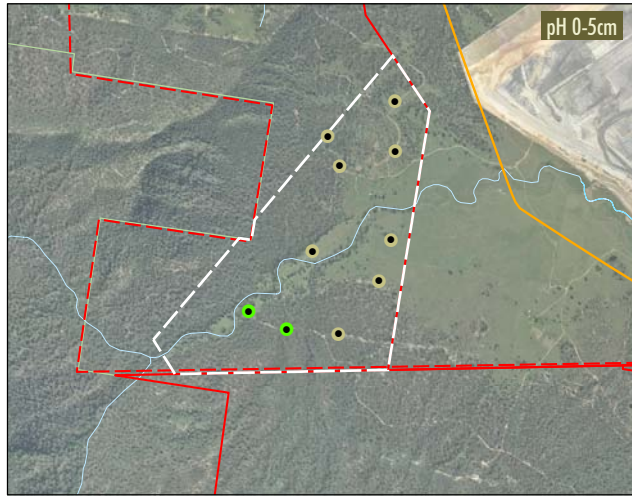
Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



WMA-09-15_SBEM_SVCR_SM_209A

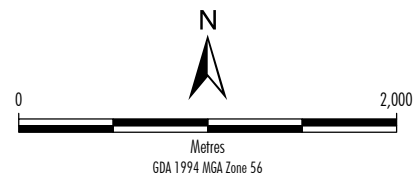


Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)

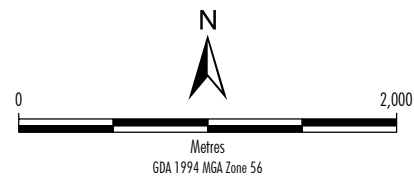
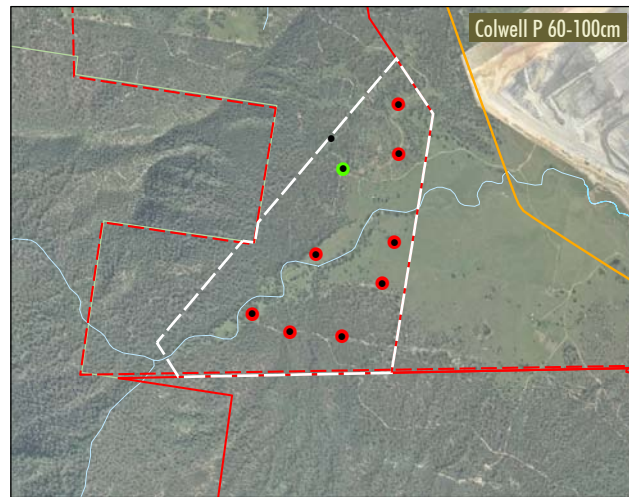
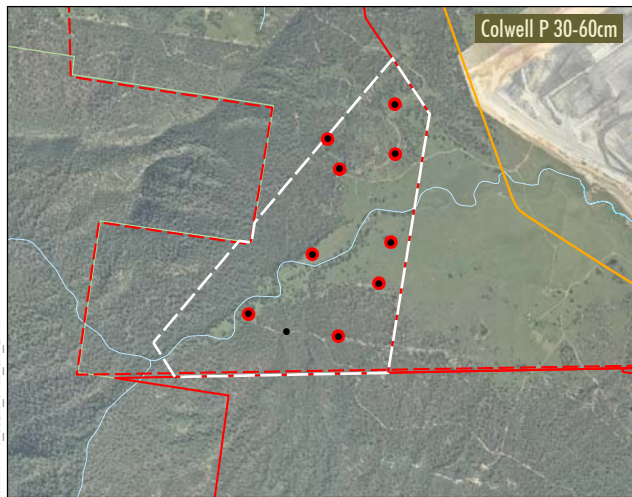
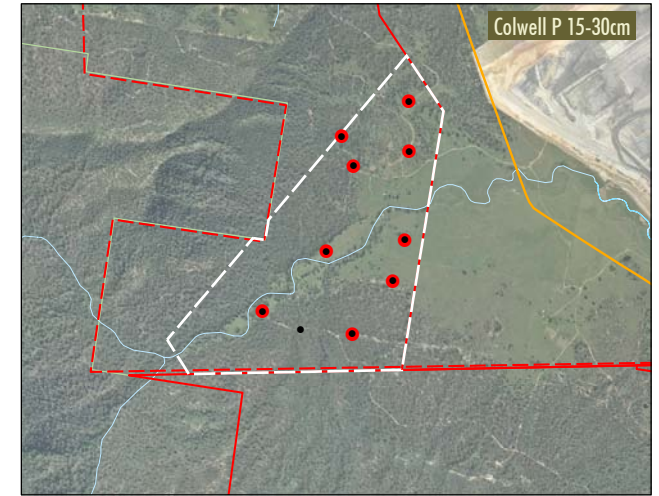
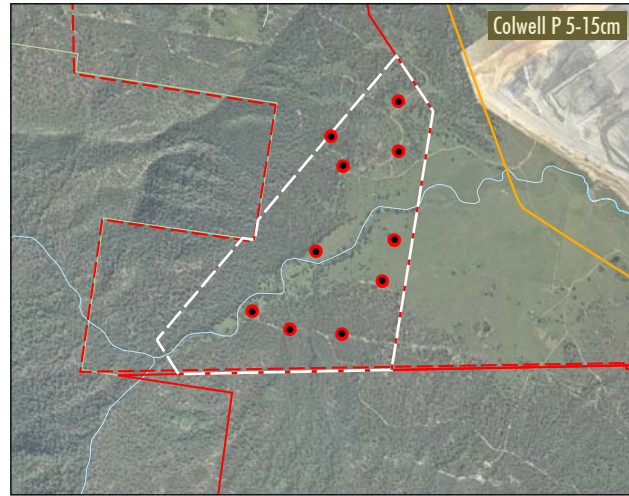
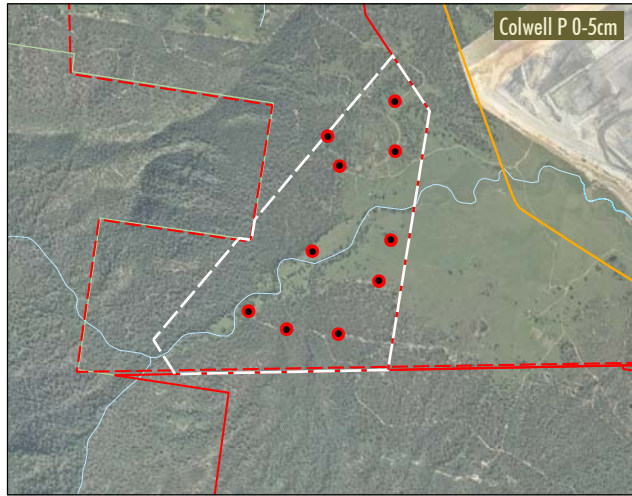


WMA-09-15_SBEM_SVCN_SK_210A

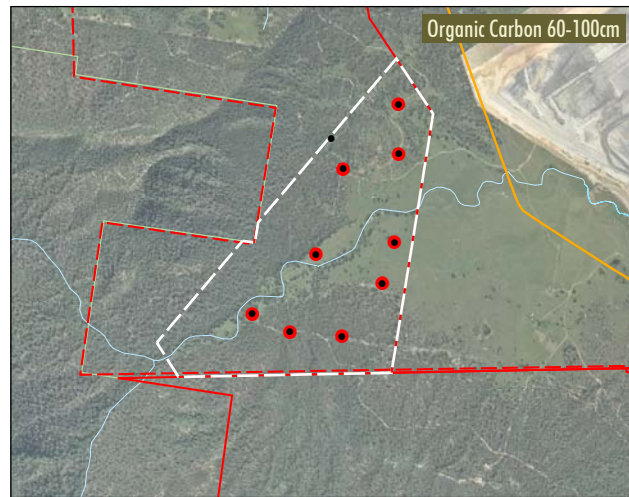
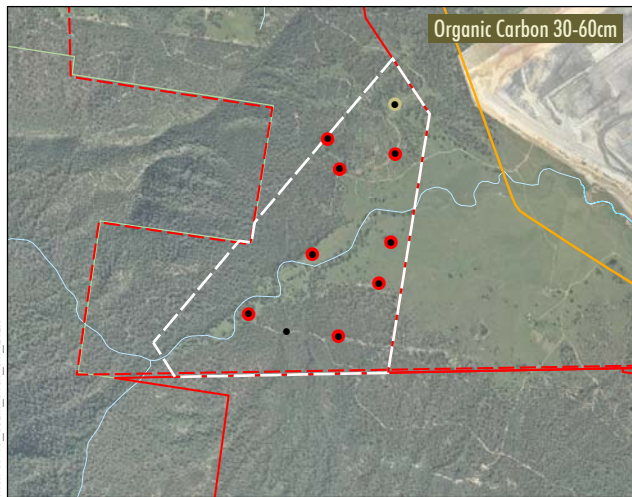
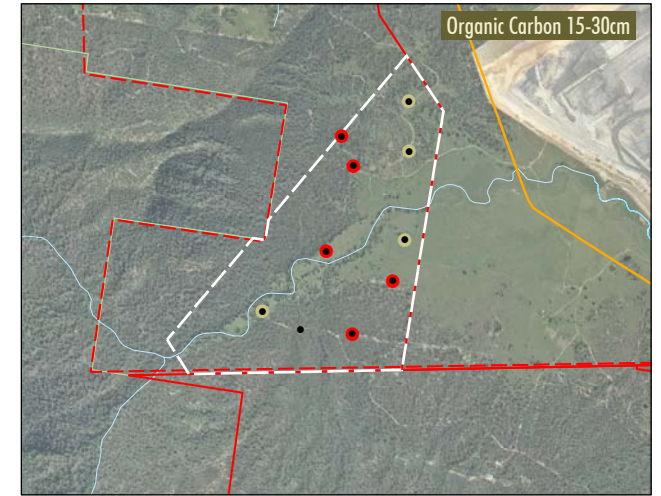
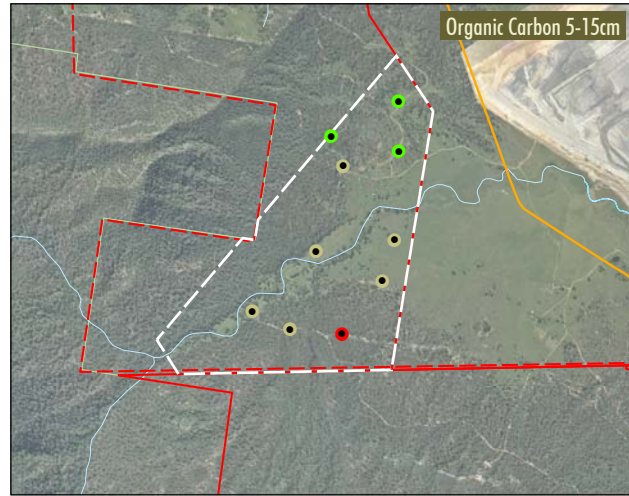
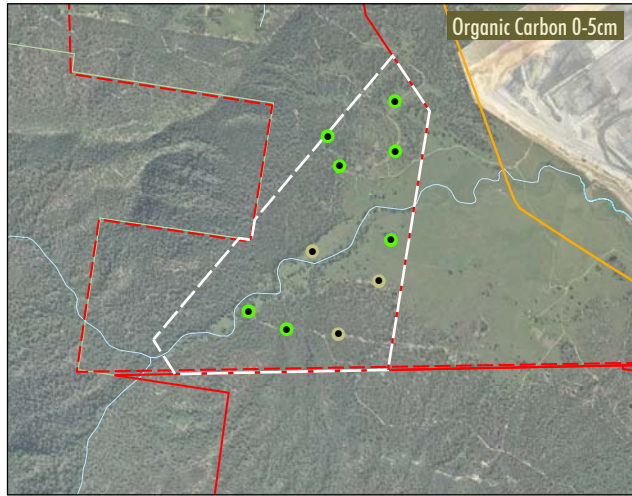
- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - Site Verification Certificate Application Area
 - Soil Test Pit
 - pH < 4.5
 - pH 4.5 - 5.5
 - pH > 5.5



Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)

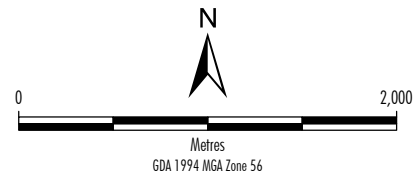


Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)



WMA-09-15_SBEM_SVCN_SK_212A

- LEGEND**
- Mining and Coal Lease Boundary
 - - - Exploration Licence Boundary
 - Existing/Approved Surface Development Area
 - - - Site Verification Certificate Application Area
 - Soil Test Pit
 - Organic Carbon**
 - < 0.8 %
 - 0.8 - 1.5 %
 - > 1.5 %



Source: Department of Lands (July 2009); WCPL (2016);
WCPL Orthophoto (Apr-Oct 2013)