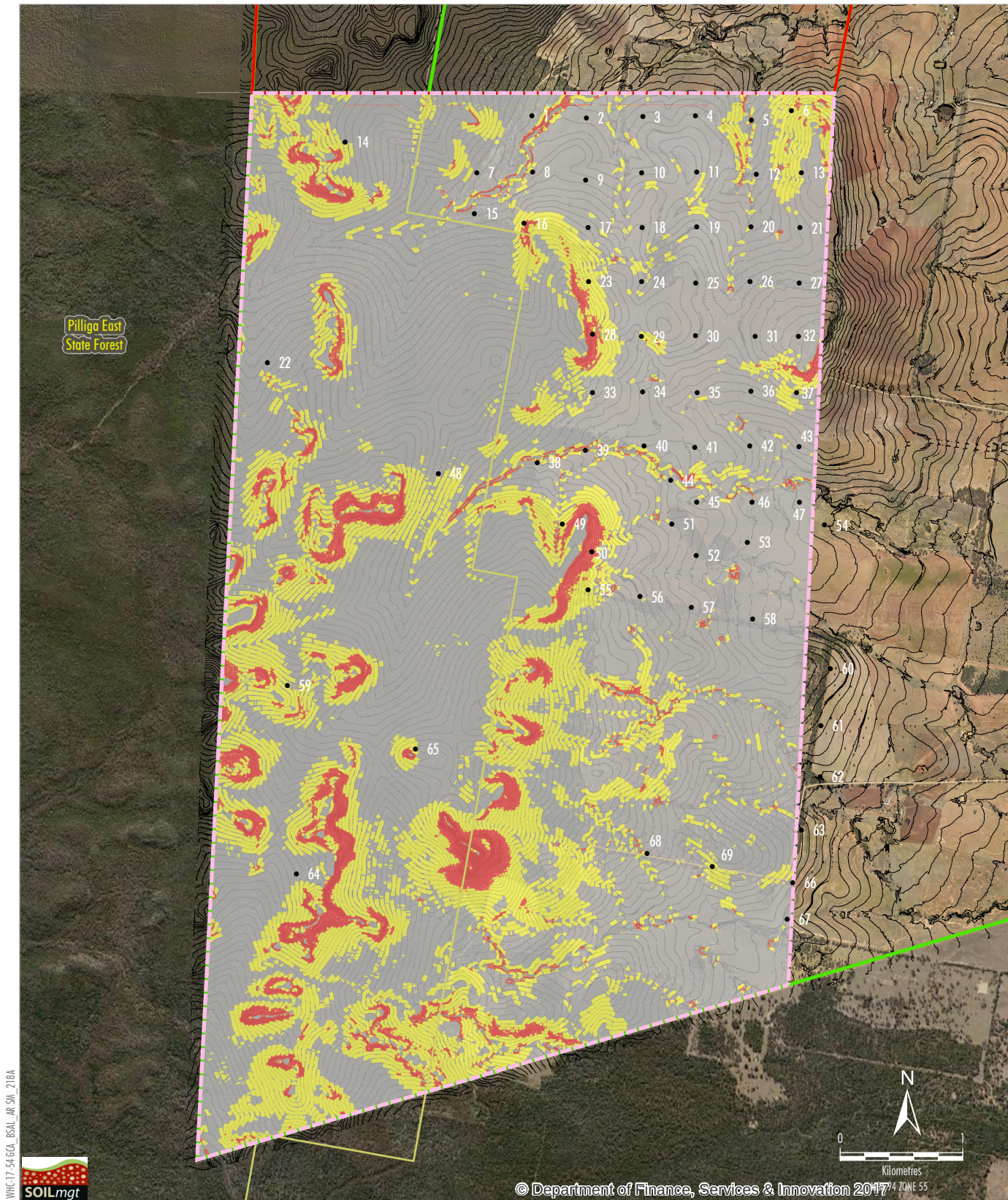




WHC17-54 GCA_BSAL_AR SW_21BA

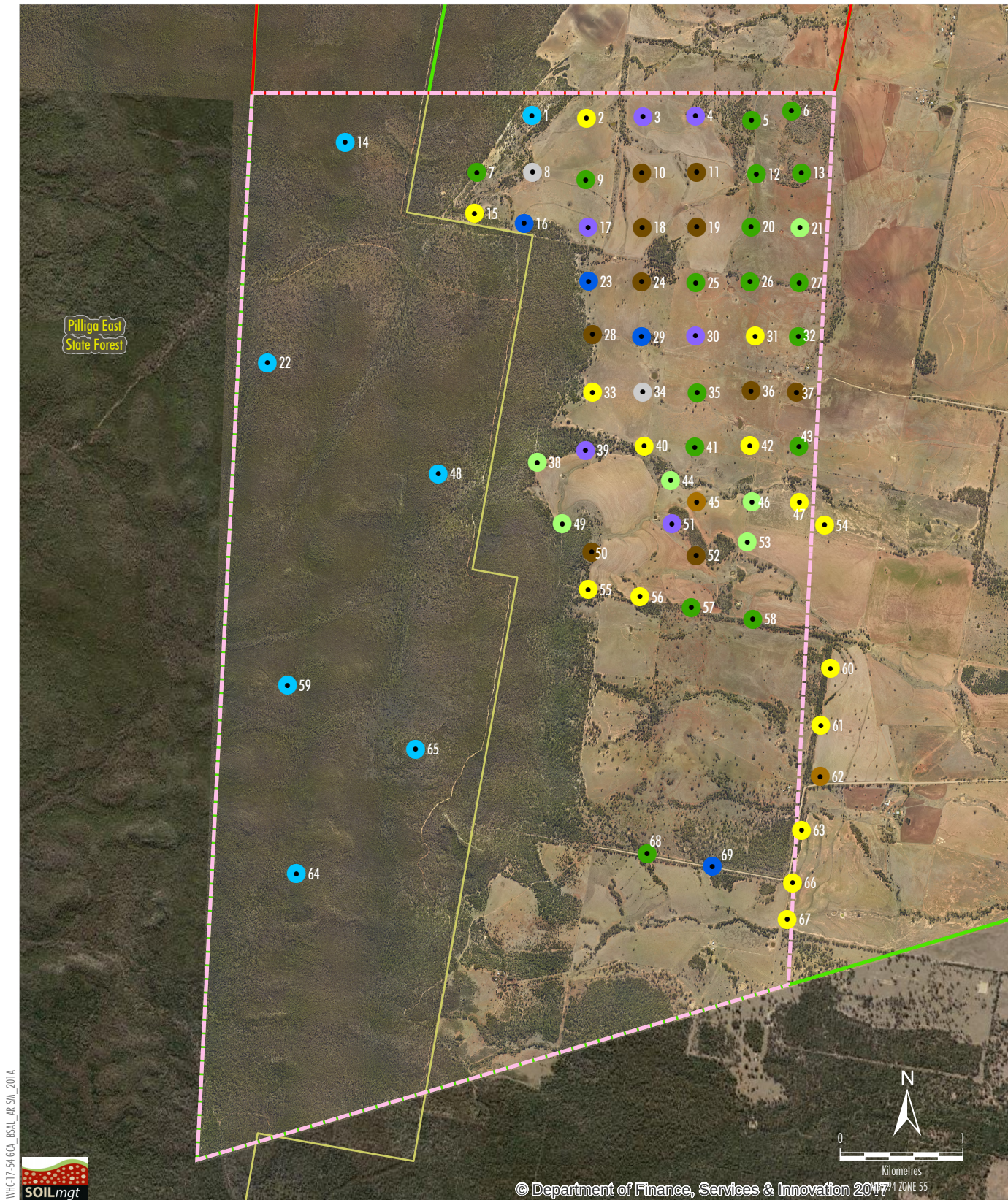


- LEGEND**
- State Forest
 - Mining Lease Boundary (ML 1609)
 - Exploration Licence (EL 6243)
 - Contour (2m Interval)
 - Gateway Certificate Application Area
 - Soil Test Pit
 - Slopes (> 10 %)
 - Slopes (2% to 10%)
 - Slope (< 2%)

Source: Orthophotos - Whitehaven Coal (July 2017); R.W. Corkery & Co Pty Ltd (2009),
NSW Trade & Investment (2015); NCOPL (2017); McKenzie Soil Management (2017)



NARRABRI STAGE 3 PROJECT
Slope Mapping

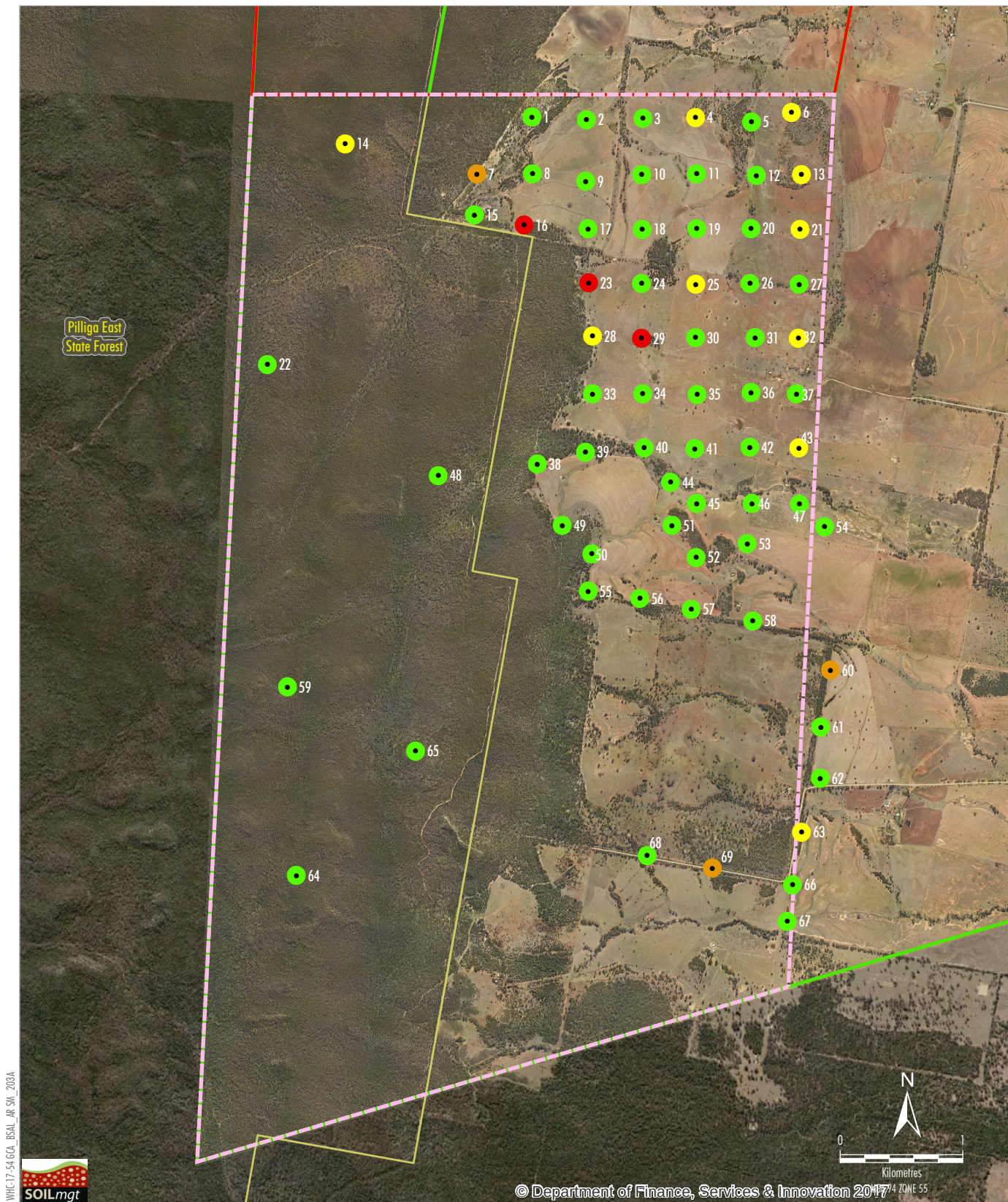


- LEGEND**
- State Forest
 - Mining Lease Boundary (ML 1609)
 - Exploration Licence (EL 6243)
 - Gateway Certificate Application Area
 - Soil Test Pit

- Soil Type**
- Calcarosol
 - Chromosol
 - Dermosol
 - Kandosol
 - Leptic Tenosol
 - Orthic Tenosol
 - Stratic Rudosol
 - Sodosol
 - Vertosol

Source: Orthophotos - Whitehaven Coal (July 2017); R.W. Corkery & Co Pty Ltd (2009),
NSW Trade & Investment (2015); NCOPL (2017); McKenzie Soil Management (2017)


NARRABRI STAGE 3 PROJECT
 Soil Types – Australian Soil Classification



WHC-17-54 GCA_BSA_L AR SW 203A

- LEGEND**
- State Forest
 - Mining Lease Boundary (ML 1609)
 - Exploration Licence (EL 6243)
 - Gateway Certificate Application Area
 - Soil Test Pit

Depth to Rock

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

Source: Orthophotos - Whitehaven Coal (July 2017); R.W. Corkery & Co Pty Ltd (2009), NSW Trade & Investment (2015); NCOPL (2017); McKenzie Soil Management (2017)



NARRABRI STAGE 3 PROJECT

Depth to Rock

