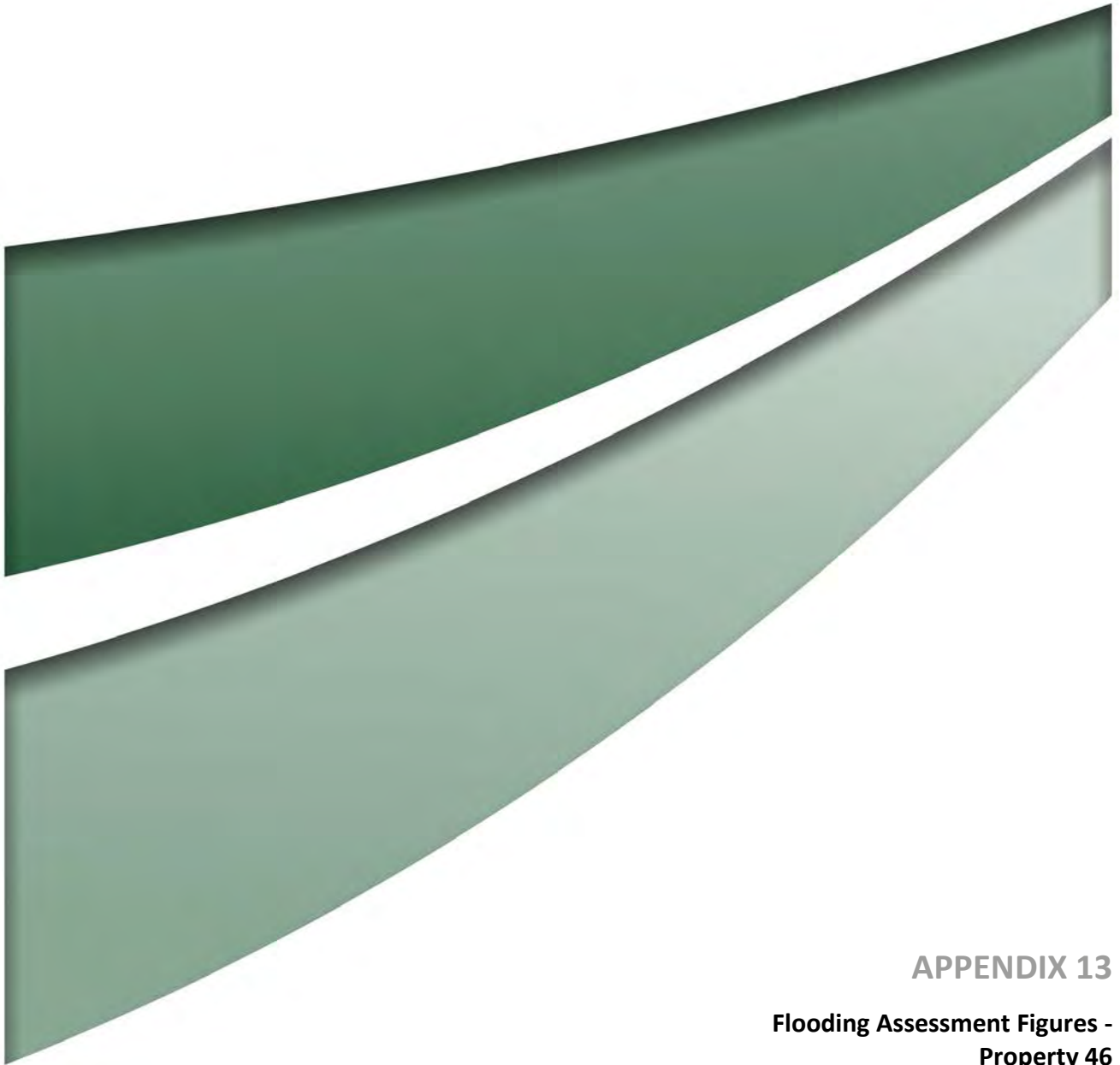




APPENDIX 13

Flooding Assessment Figures -
Property 46



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 46		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 1

Property 46 - 100 year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform

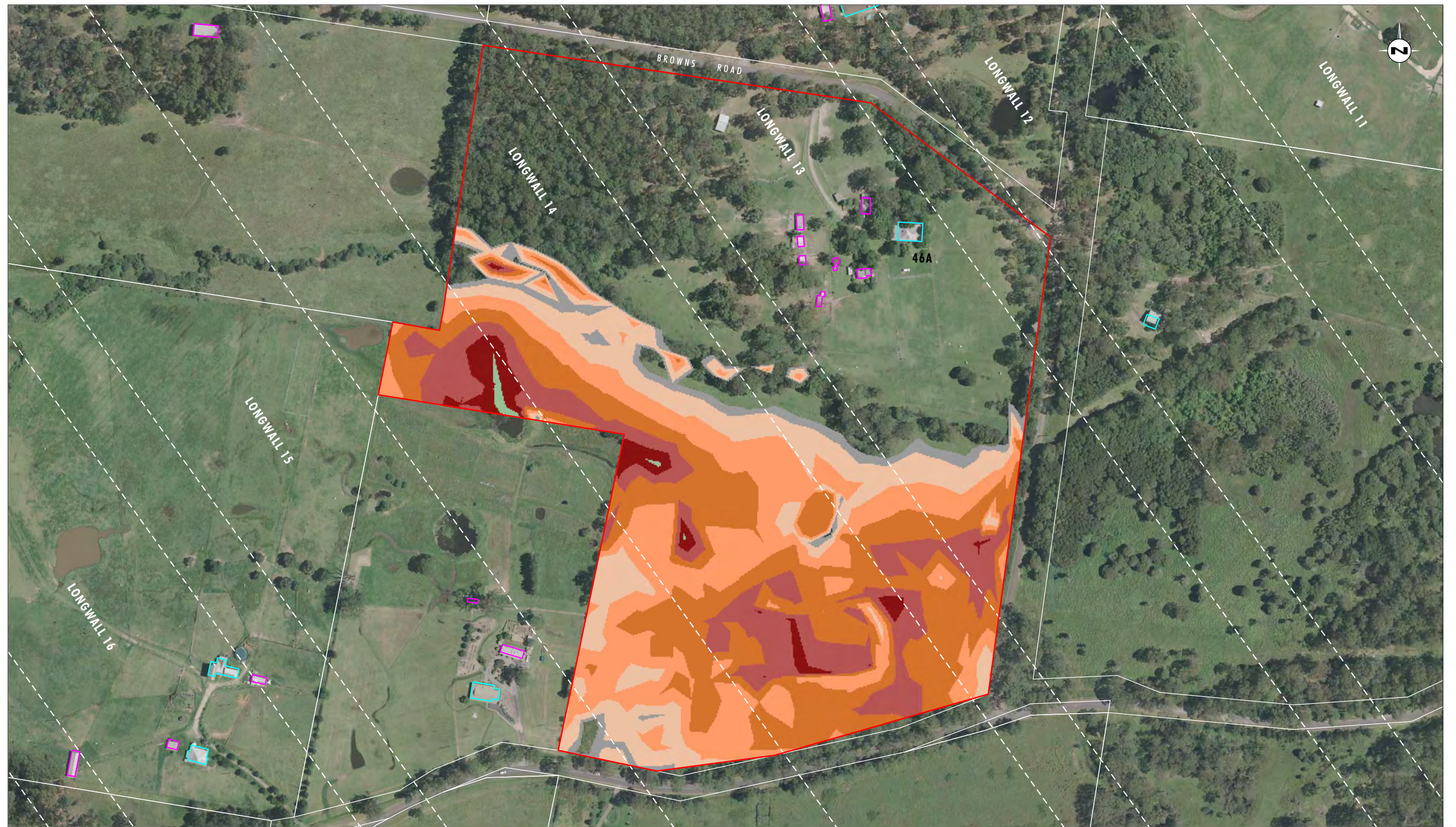


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 46		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [1.900 : 2.100]

FIGURE 2

Property 46 - 100 year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 46		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 3

Property 46 - 1 year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



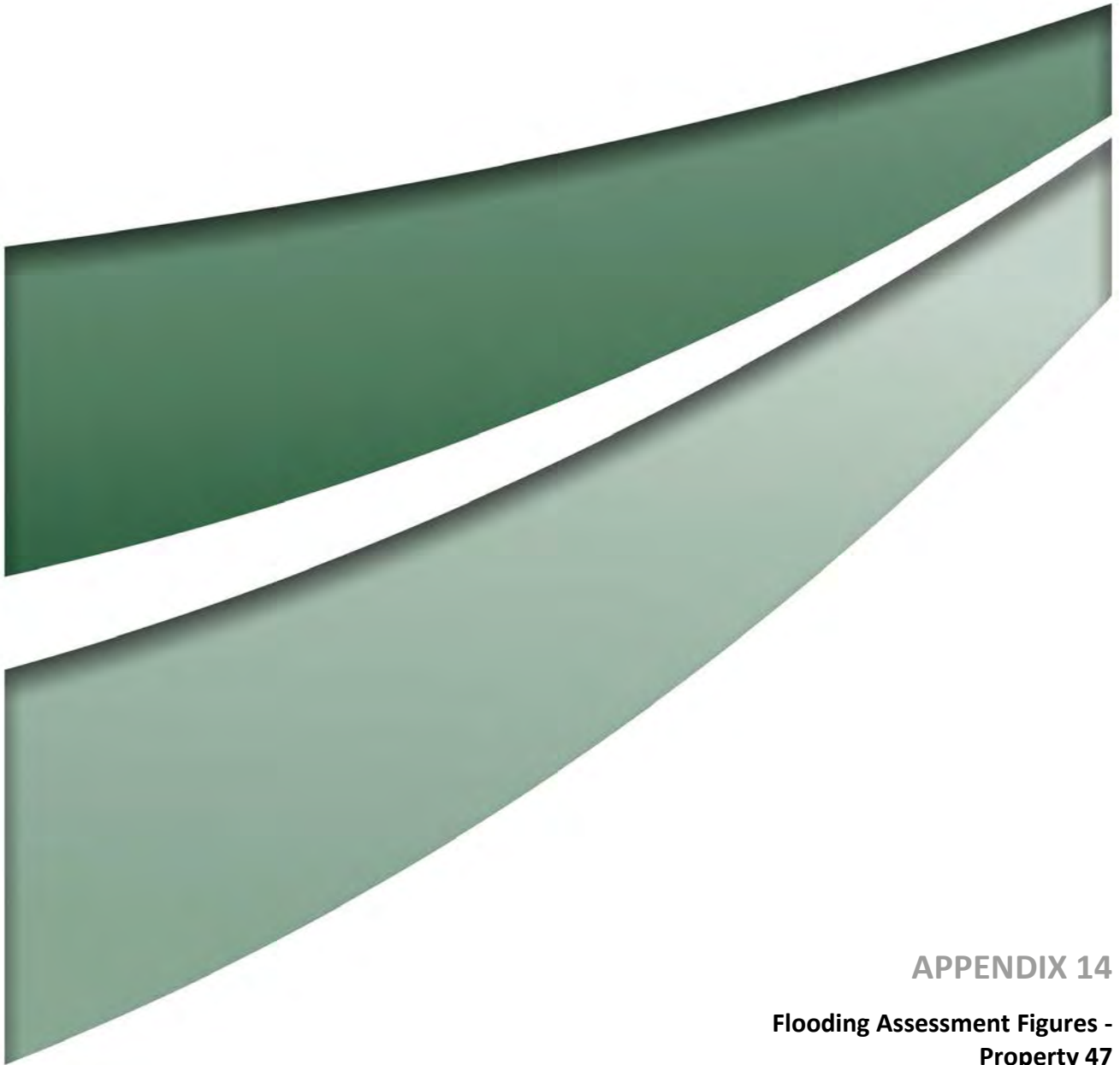
Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 46		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 4

Property 46 - 1 year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



APPENDIX 14

**Flooding Assessment Figures -
Property 47**



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

Legend

- Property 47
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 1

Property 47 - 100 year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend

- Property 47
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 2

Property 47 - 100 year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		
 Property 47	 Range [0.001 : 0.100]	 Range [0.900 : 1.100]
 Longwall Locations	 Range [0.100 : 0.300]	 Range [1.100 : 1.300]
 Dwelling	 Range [0.300 : 0.500]	 Range [1.300 : 1.500]
 Other Structure	 Range [0.500 : 0.700]	 Range [1.500 : 1.700]
 Cadastral Boundary	 Range [0.700 : 0.900]	 Range [1.700 : 1.900]
		 Range [> 1.900]

FIGURE 3

Property 47 - 1 year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

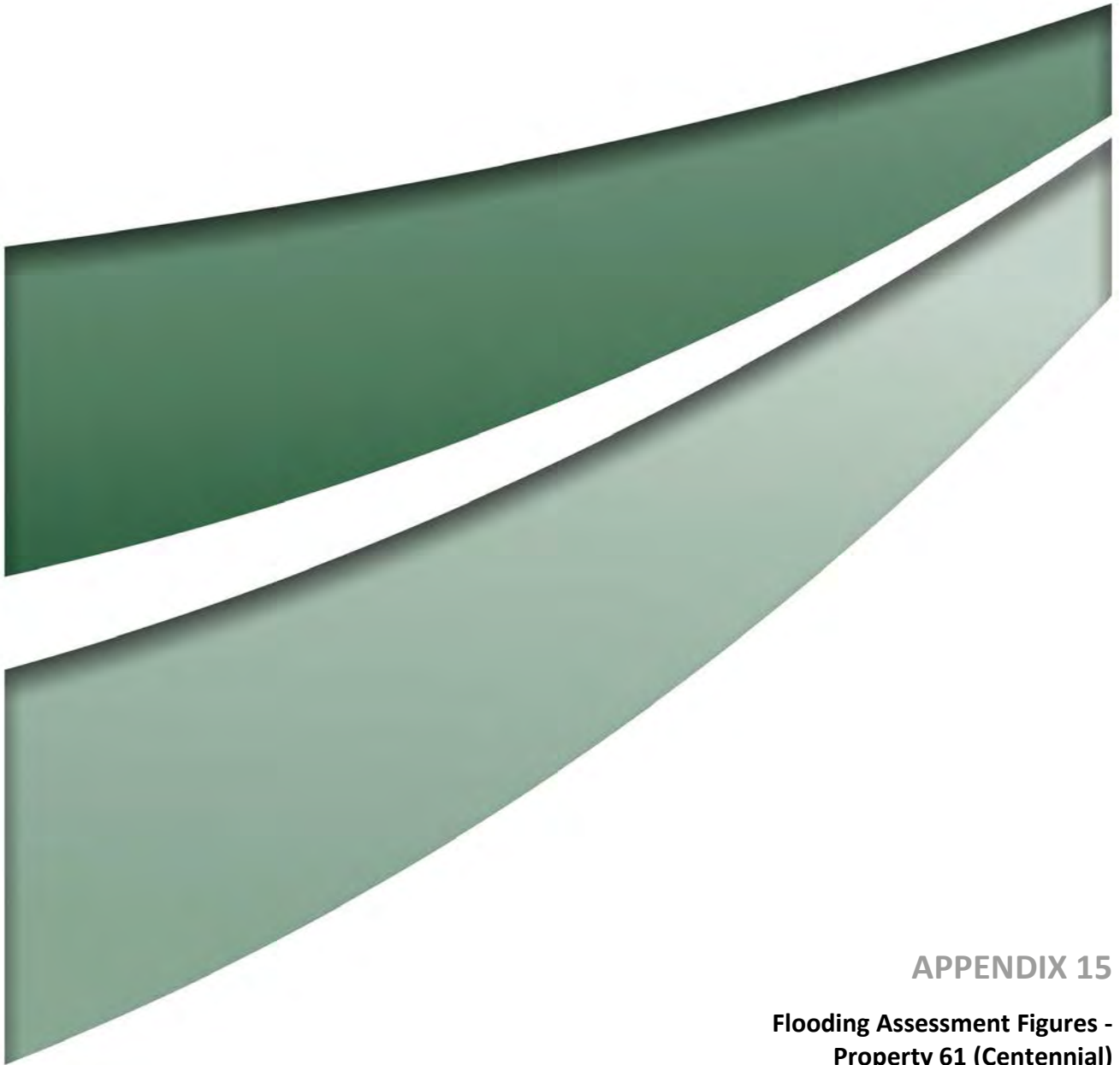
Legend

- Property 47
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [1.900 : 2.100]

FIGURE 4
Property 47 - 1 year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



APPENDIX 15

**Flooding Assessment Figures -
Property 61 (Centennial)**

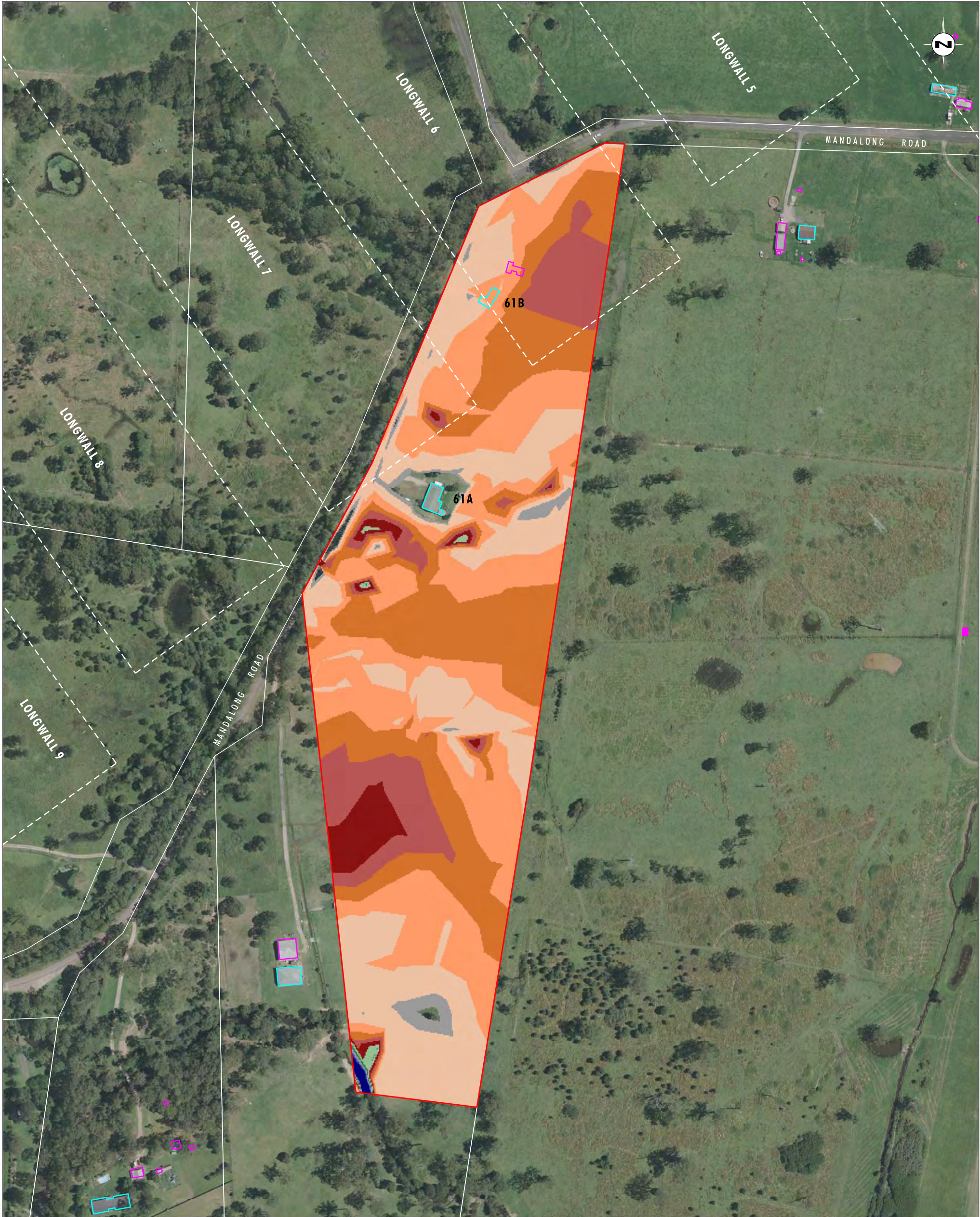


Image Source: Centennial Mandalong Pty Ltd(2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend

- Property 61
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 1
Property 61 - 100 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform

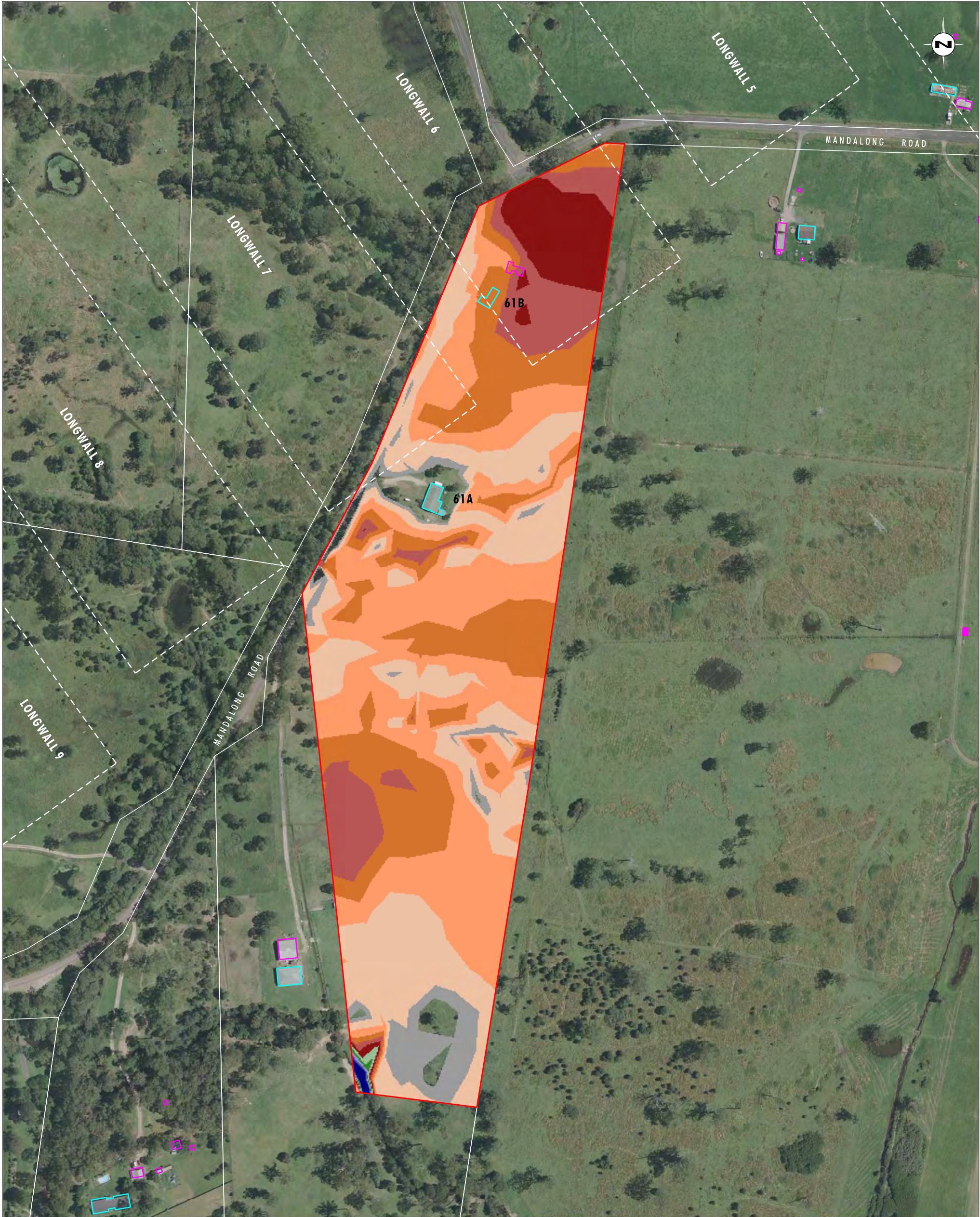


Image Source: Centennial Mandalong Pty Ltd(2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		
 Property 61	Water Depth (m)	 Range [0.900 : 1.100]
 Longwall Locations	 Range [0.001 : 0.100]	 Range [1.100 : 1.300]
 Dwelling	 Range [0.100 : 0.300]	 Range [1.300 : 1.500]
 Other Structure	 Range [0.300 : 0.500]	 Range [1.500 : 1.700]
 Cadastral Boundary	 Range [0.500 : 0.700]	 Range [1.700 : 1.900]
	 Range [0.700 : 0.900]	 Range [>1.900]

FIGURE 2
Property 61 - 100 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend	
	Property 61
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 3
Property 61 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

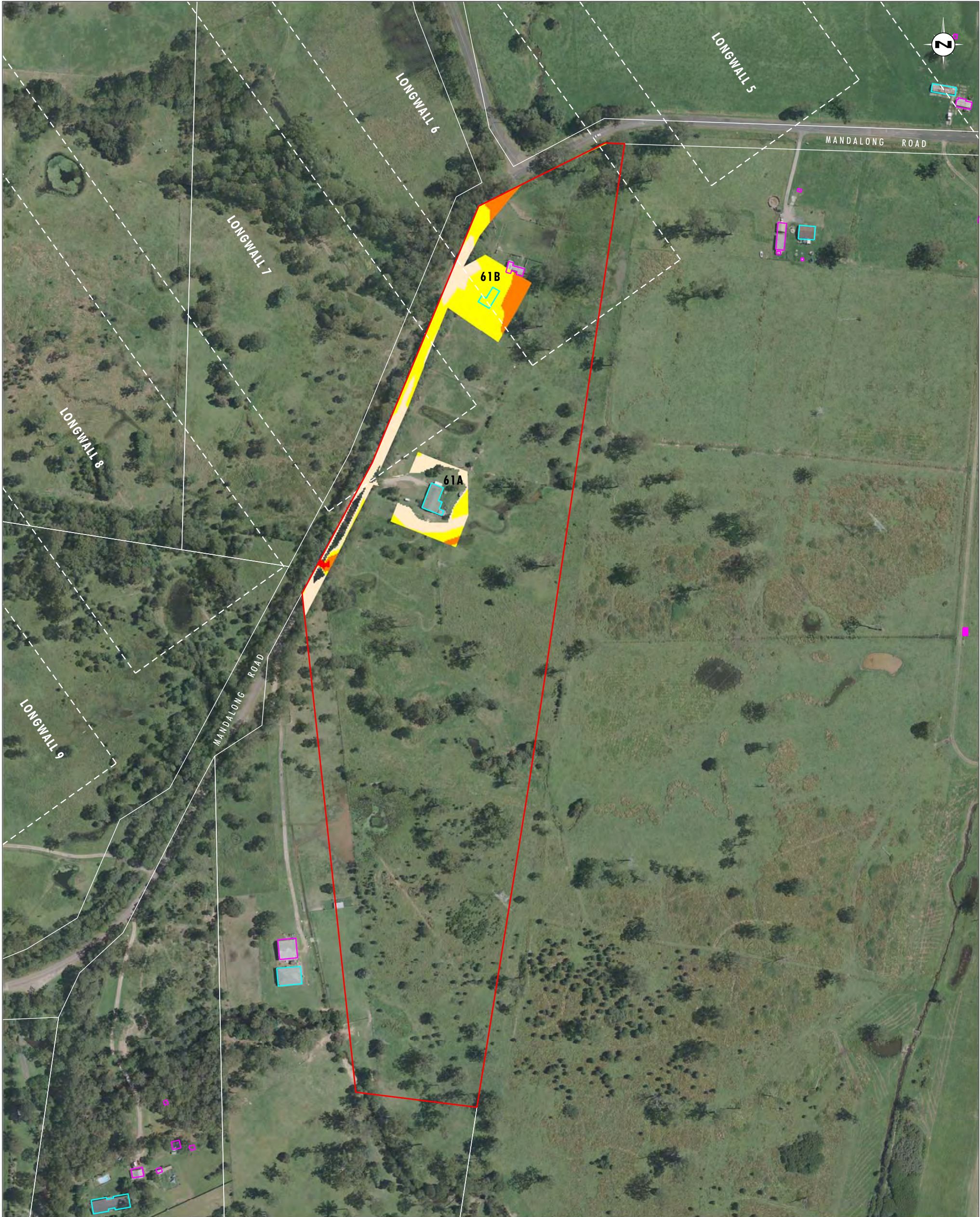


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

- Legend**

 - Property 61
 - Longwall Locations
 - Dwelling
 - Other Structure
 - Cadastral Boundary
- Hazard Category**

 - Low Hazard - Unclassified hazard
 - Low Hazard - Vehicles unstable
 - High Hazard - Wading unsafe
 - High Hazard - Damage to light structures

FIGURE 4
Property 61 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Landform 23)

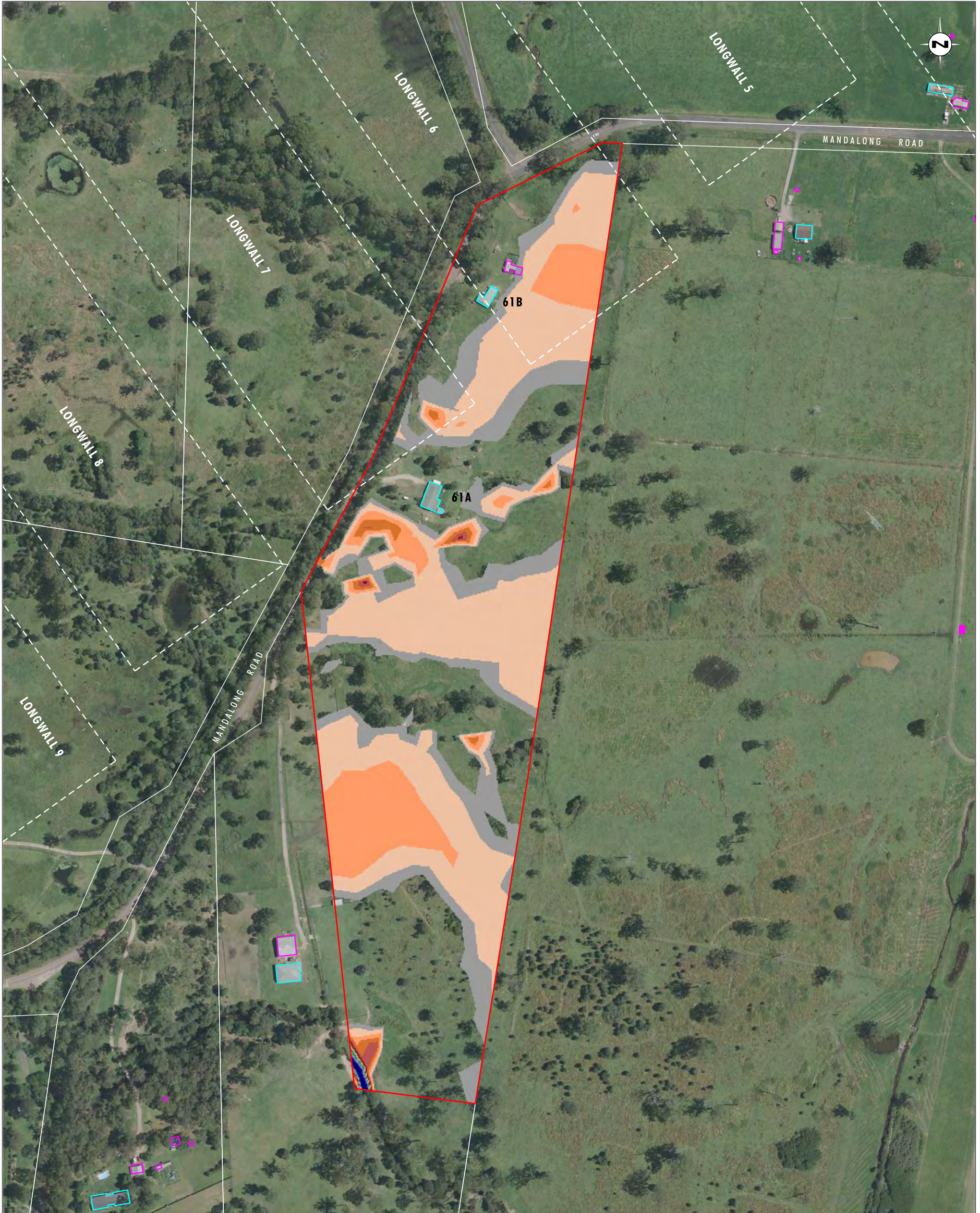


Image Source: Centennial Mandalong Pty Ltd(2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 61		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [>1.900]

FIGURE 5
Property 61 - 1 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform

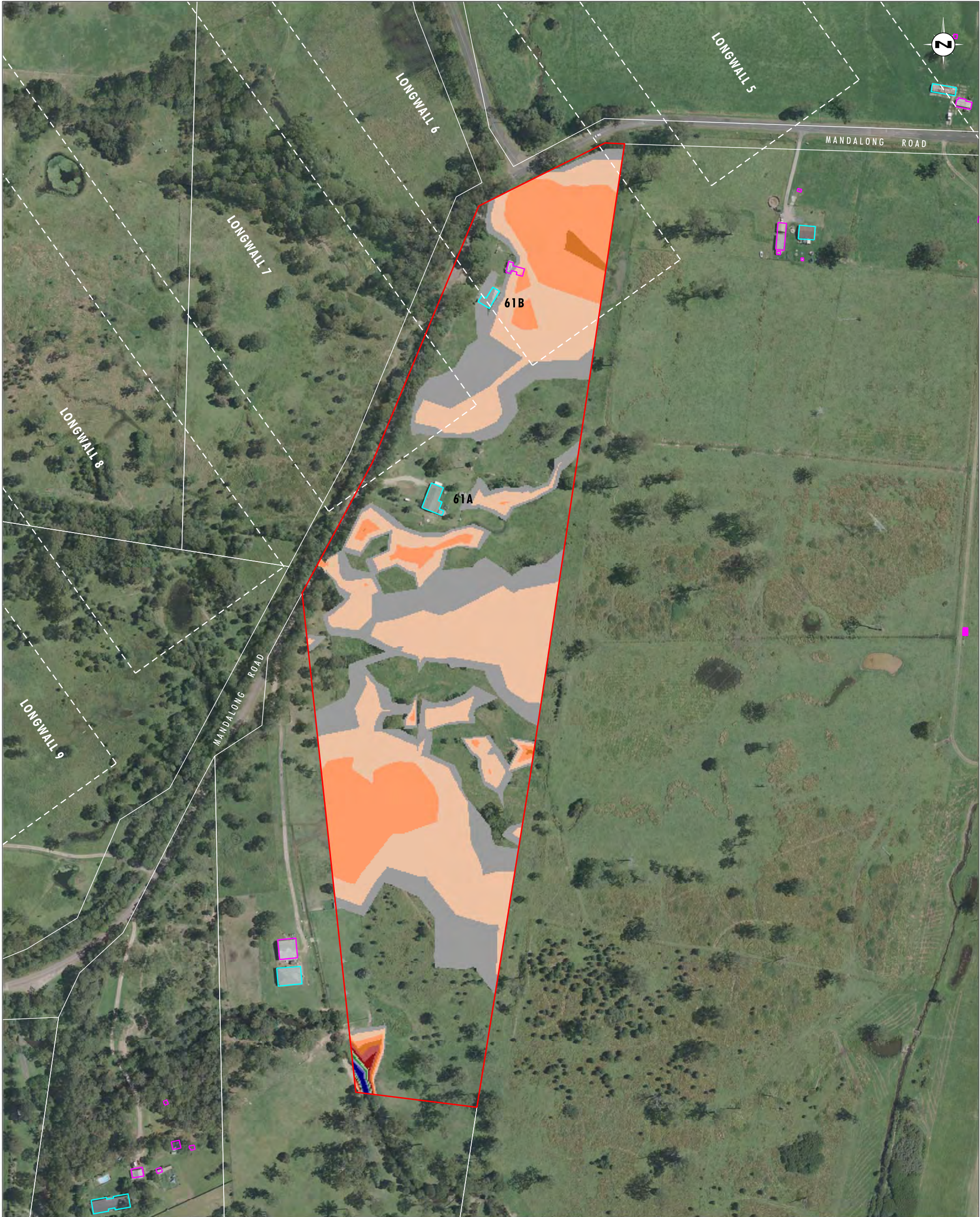


Image Source: Centennial Mandalong Pty Ltd(2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend

- Property 61
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 6
Property 61 - 1 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend	
	Property 61
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 7
Property 61 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

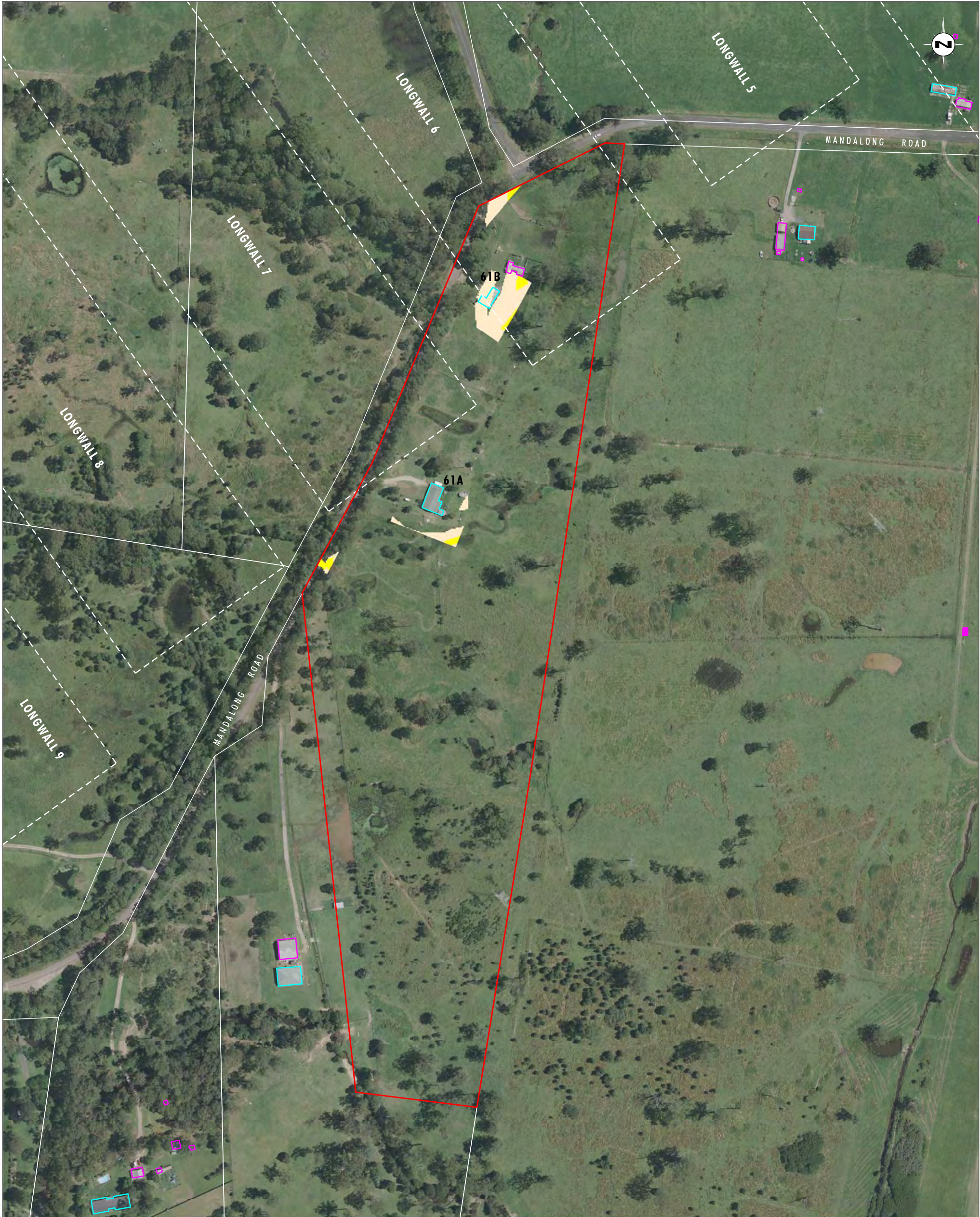


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

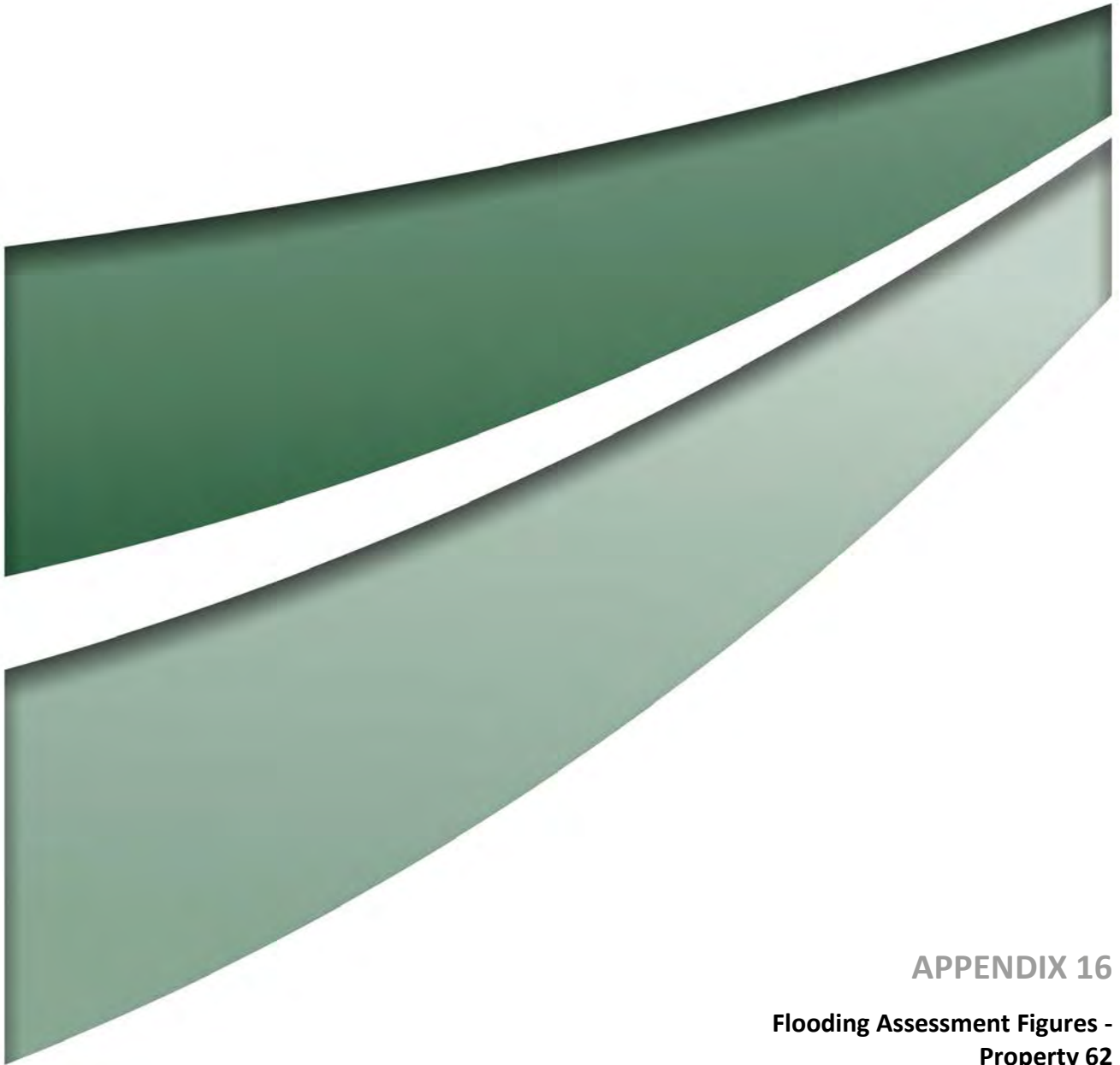
Legend

- Property 61
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Hazard Category

- Low Hazard - Unclassified hazard
- Low Hazard - Vehicles unstable
- High Hazard - Wading unsafe
- High Hazard - Damage to light structures

FIGURE 8
Property 61 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



APPENDIX 16

**Flooding Assessment Figures -
Property 62**

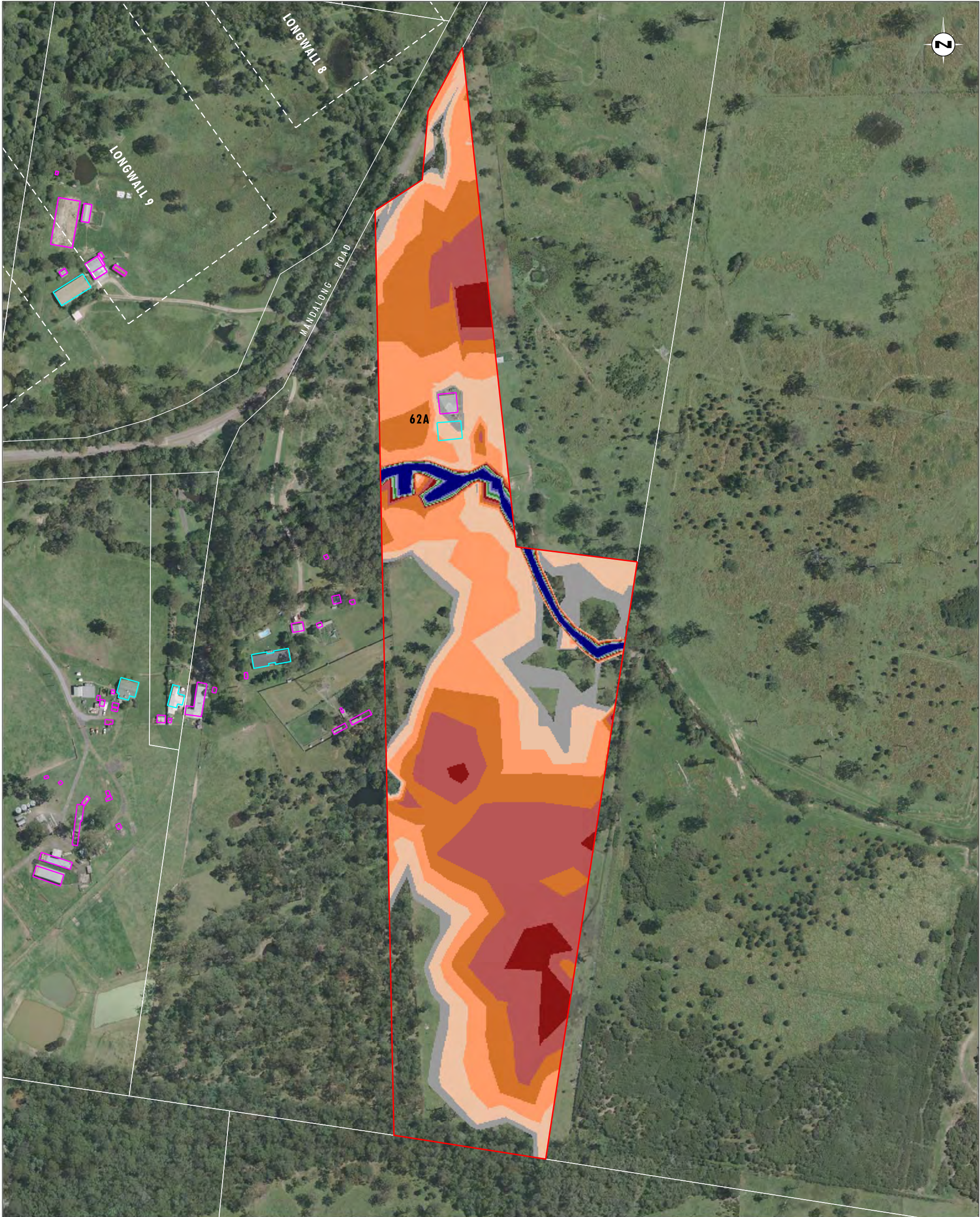


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		
 Property 62	Water Depth (m)	 Range [0.900 : 1.100]
 Longwall Locations	 Range [0.001 : 0.100]	 Range [1.100 : 1.300]
 Dwelling	 Range [0.100 : 0.300]	 Range [1.300 : 1.500]
 Other Structure	 Range [0.300 : 0.500]	 Range [1.500 : 1.700]
 Cadastral Boundary	 Range [0.500 : 0.700]	 Range [1.700 : 1.900]
	 Range [0.700 : 0.900]	 Range [>1.900]

FIGURE 1
Property 62 - 100 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 62		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 2
Property 62 - 100 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)

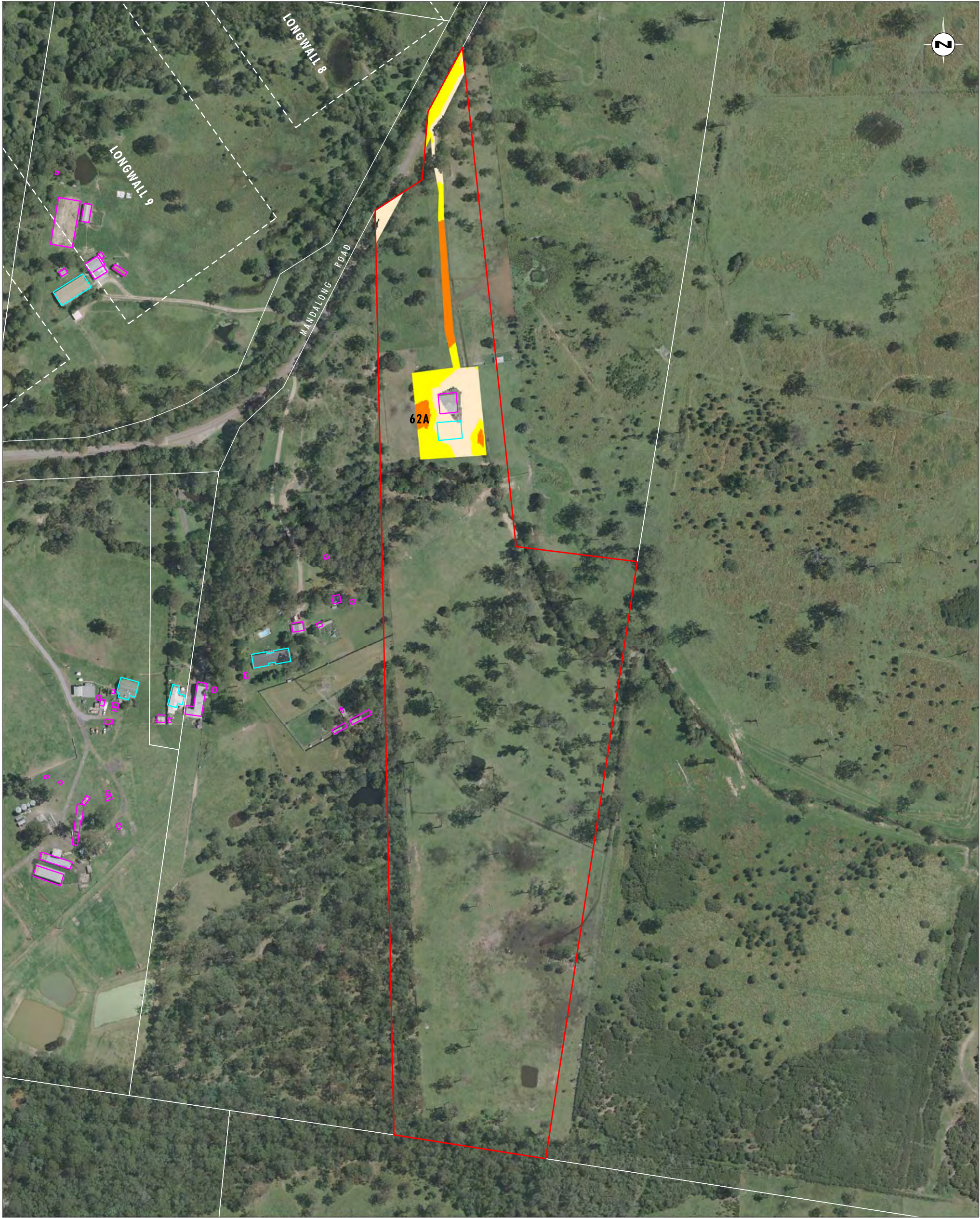


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend

- Property 62
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Hazard Category

- Low Hazard - Unclassified hazard
- Low Hazard - Vehicles unstable
- High Hazard - Wading unsafe
- High Hazard - Damage to light structures

FIGURE 3
Property 62 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

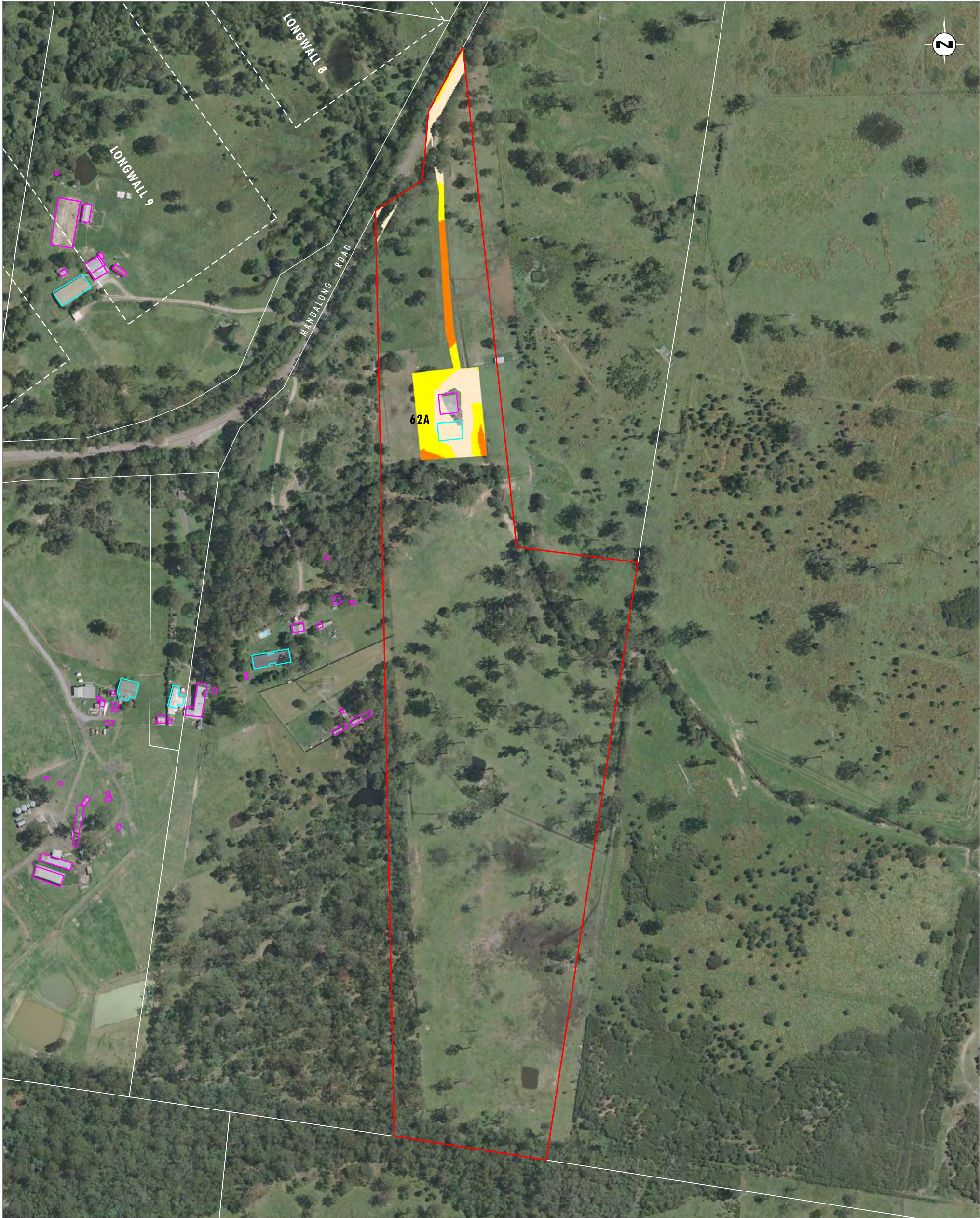


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend

- Property 62
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Hazard Category

- Low Hazard - Unclassified hazard
- Low Hazard - Vehicles unstable
- High Hazard - Wading unsafe
- High Hazard - Damage to light structures

FIGURE 4
Property 62 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

Legend		Water Depth (m)	
	Property 62		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [>1.900]

FIGURE 5
Property 62 - 1 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 62		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [>1.900]

FIGURE 6
Property 62 - 1 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend

- Property 62
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Hazard Category

- Low Hazard - Unclassified hazard
- Low Hazard - Vehicles unstable
- High Hazard - Wading unsafe
- High Hazard - Damage to light structures

FIGURE 7
Property 62 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

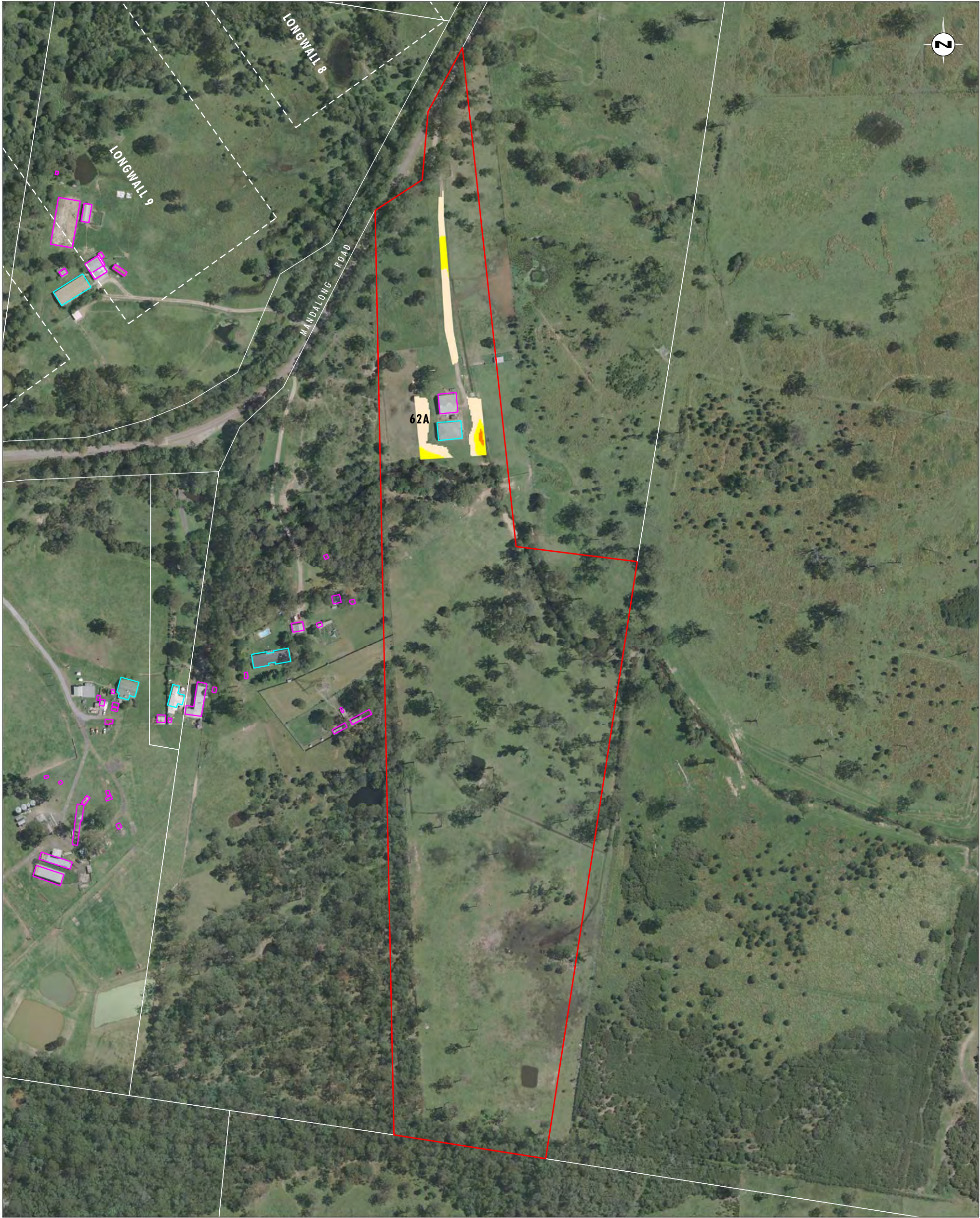


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

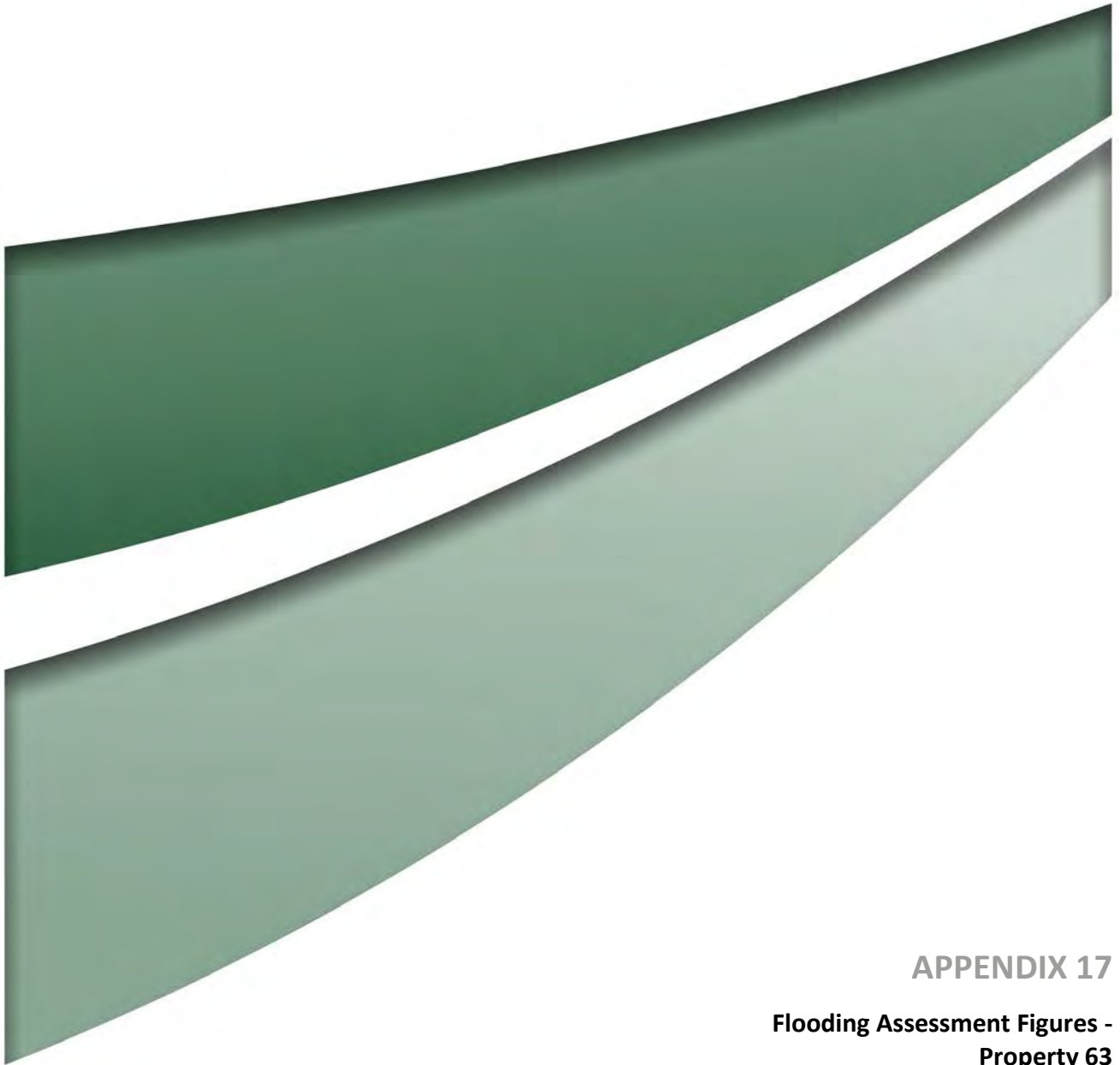
Legend

- Property 62
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Hazard Category

- Low Hazard - Unclassified hazard
- Low Hazard - Vehicles unstable
- High Hazard - Wading unsafe
- High Hazard - Damage to light structures

FIGURE 8
Property 62 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



APPENDIX 17

**Flooding Assessment Figures -
Property 63**



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		
 Property 63	Water Depth (m)	 Range [0.900 : 1.100]
 Longwall Locations	 Range [0.001 : 0.100]	 Range [1.100 : 1.300]
 Dwelling	 Range [0.100 : 0.300]	 Range [1.300 : 1.500]
 Other Structure	 Range [0.300 : 0.500]	 Range [1.500 : 1.700]
 Cadastral Boundary	 Range [0.500 : 0.700]	 Range [1.700 : 1.900]
	 Range [0.700 : 0.900]	 Range [>1.900]

FIGURE 1
Property 63 - 100 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 63		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [>1.900]

FIGURE 2
Property 63 - 100 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)

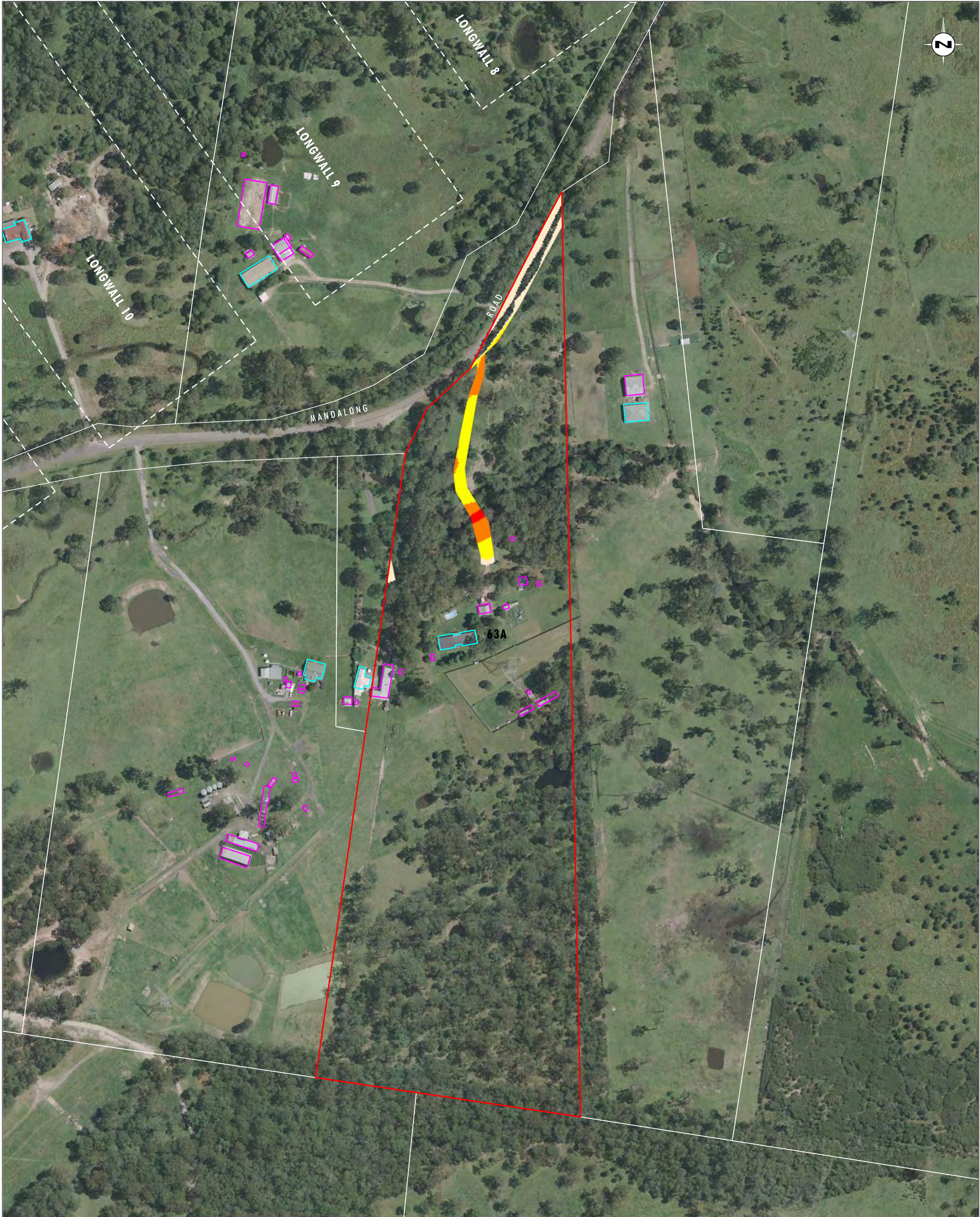


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend	
	Property 63
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 3

Property 63 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

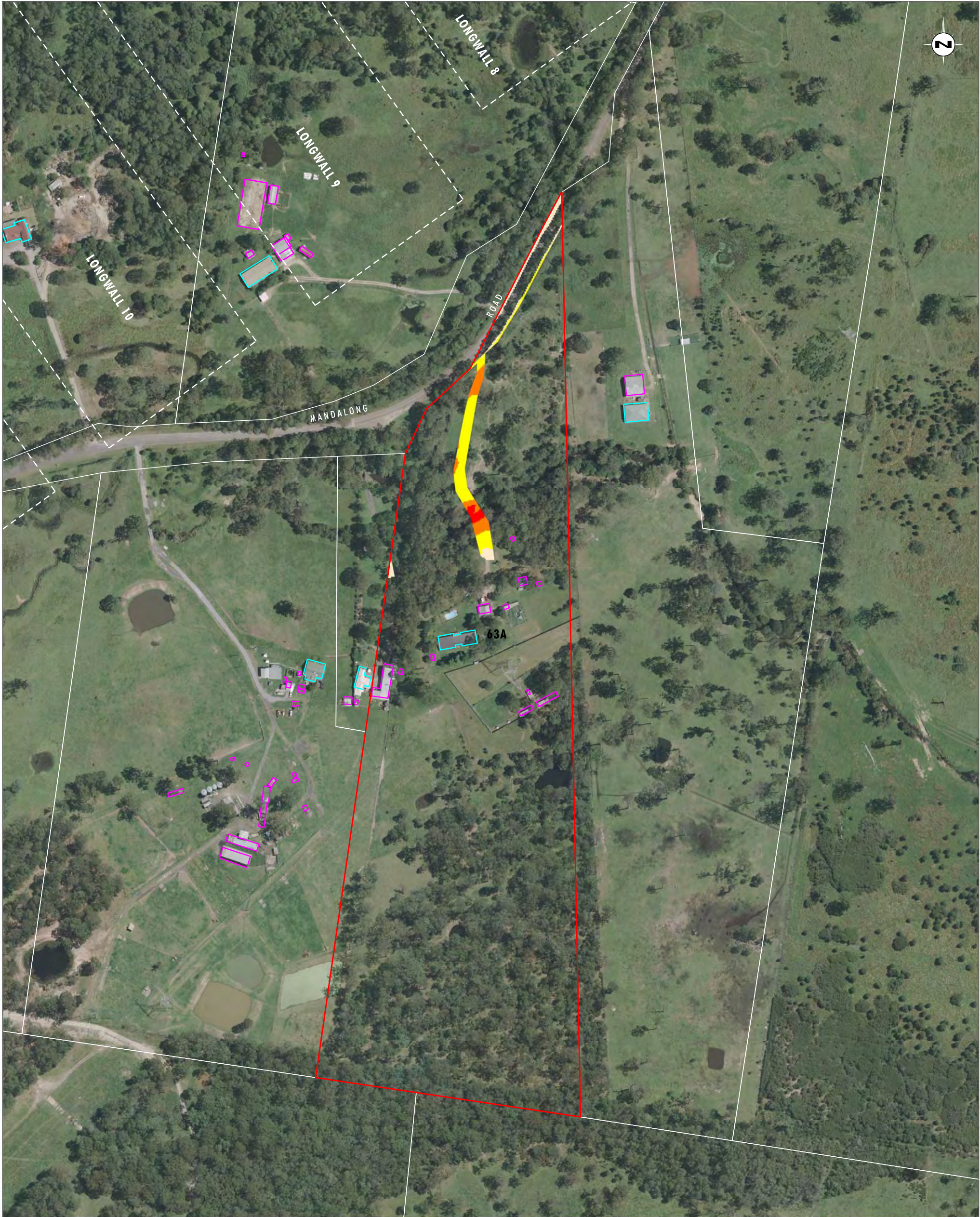


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend	
	Property 63
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary

Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 4
Property 63 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		
 Property 63	Water Depth (m)	 Range [0.900 : 1.100]
 Longwall Locations	 Range [0.001 : 0.100]	 Range [1.100 : 1.300]
 Dwelling	 Range [0.100 : 0.300]	 Range [1.300 : 1.500]
 Other Structure	 Range [0.300 : 0.500]	 Range [1.500 : 1.700]
 Cadastral Boundary	 Range [0.500 : 0.700]	 Range [1.700 : 1.900]
	 Range [0.700 : 0.900]	 Range [> 1.900]

FIGURE 5

Property 63 - 1 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 50 100 150m
1:3000 (A3)

Legend		Water Depth (m)	
	Property 63		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [>1.900]

FIGURE 6
Property 63 - 1 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 50 100 150m
1:3000 (A3)

Legend	
	Property 63
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 7
Property 63 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

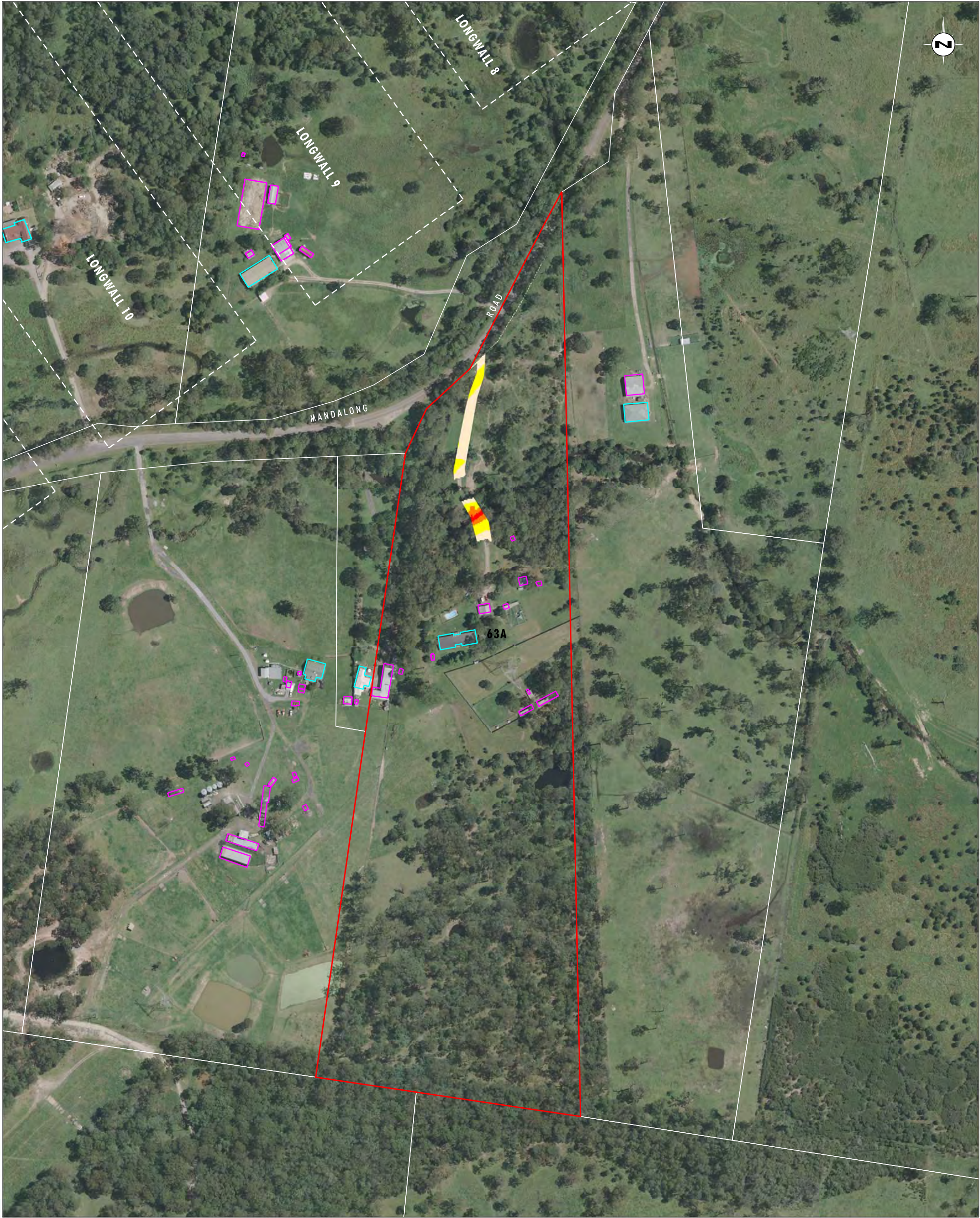


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

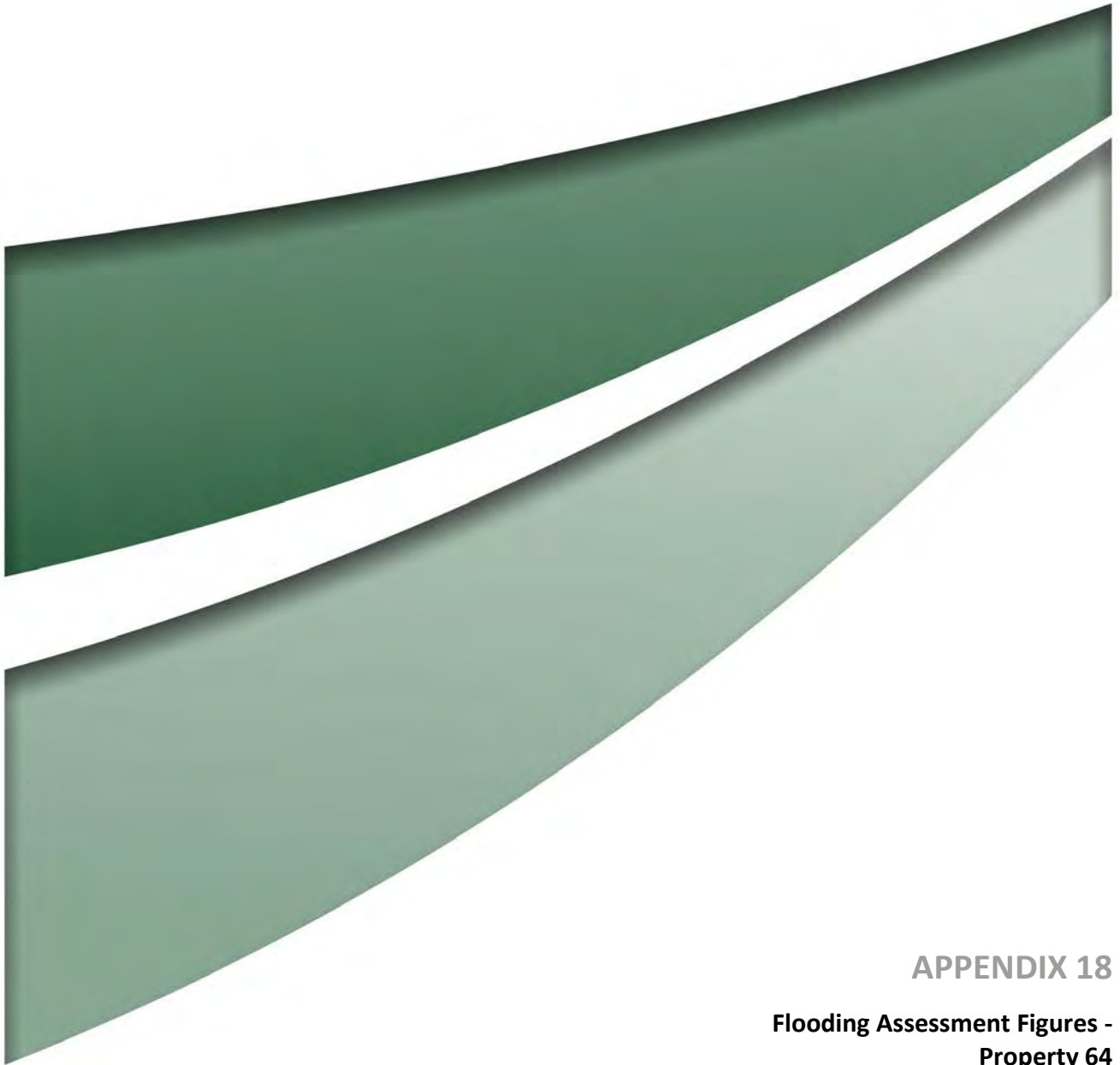
0 50 100 150m
1:3000 (A3)

Legend	
	Property 63
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary

Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 8

Property 63 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



APPENDIX 18

**Flooding Assessment Figures -
Property 64**



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

Legend		Water Depth (m)	
	Property 64		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 1
Property 64 - 100 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform

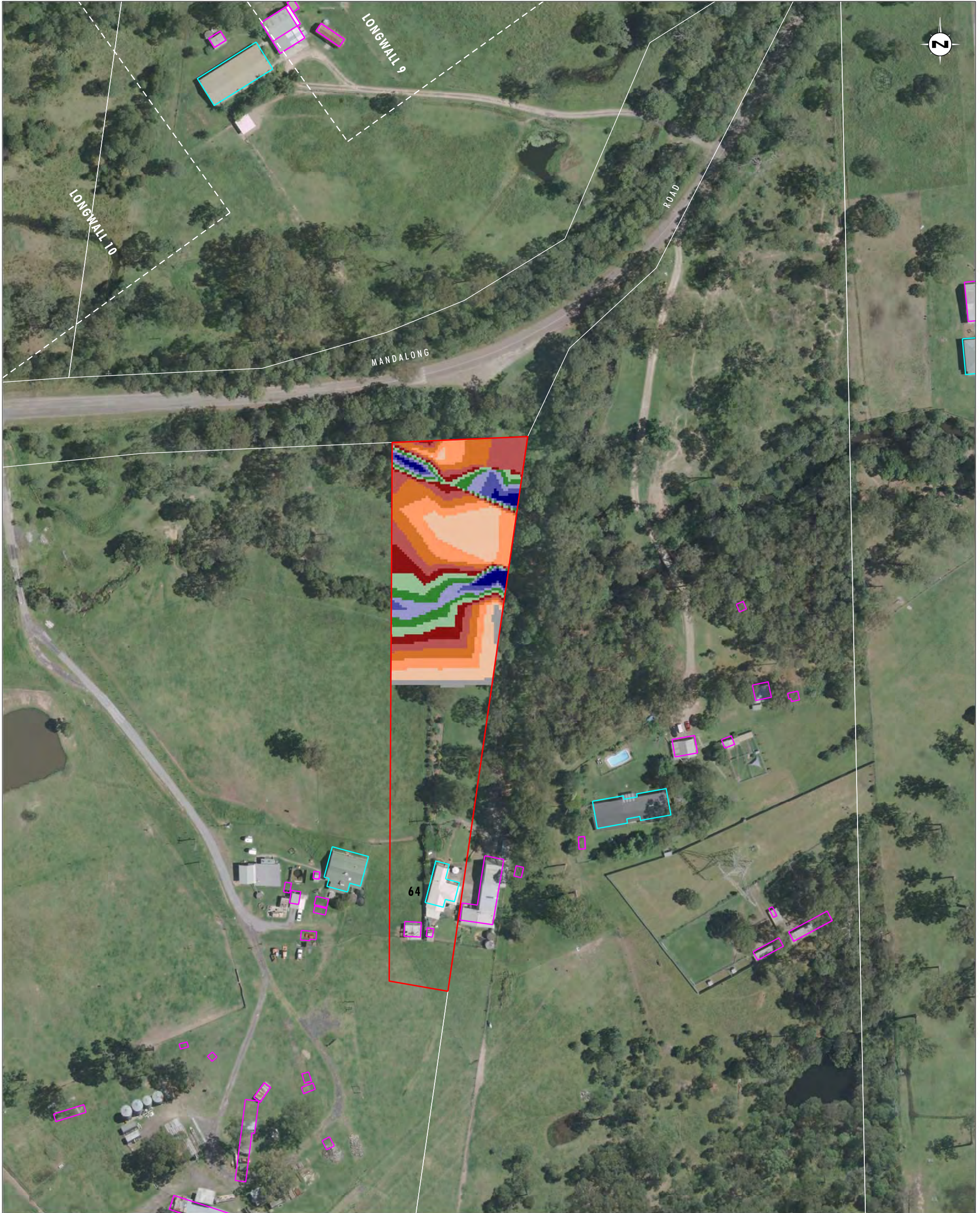


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 20 40 80m
1:1 500 (A3)

Legend

- Property 64
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 2

Property 64 - 100 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)

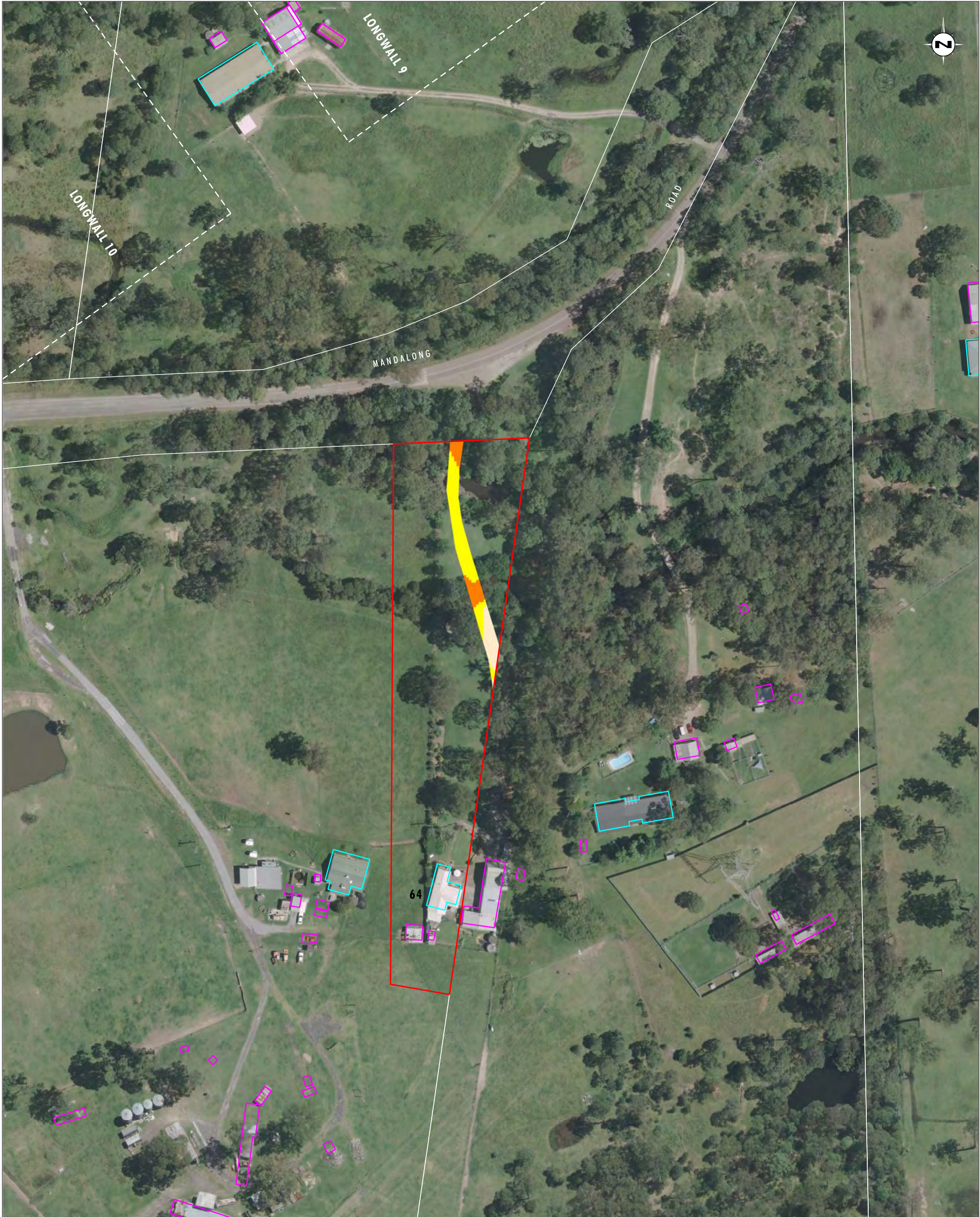


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

Legend	
	Property 64
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 3
Property 64 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

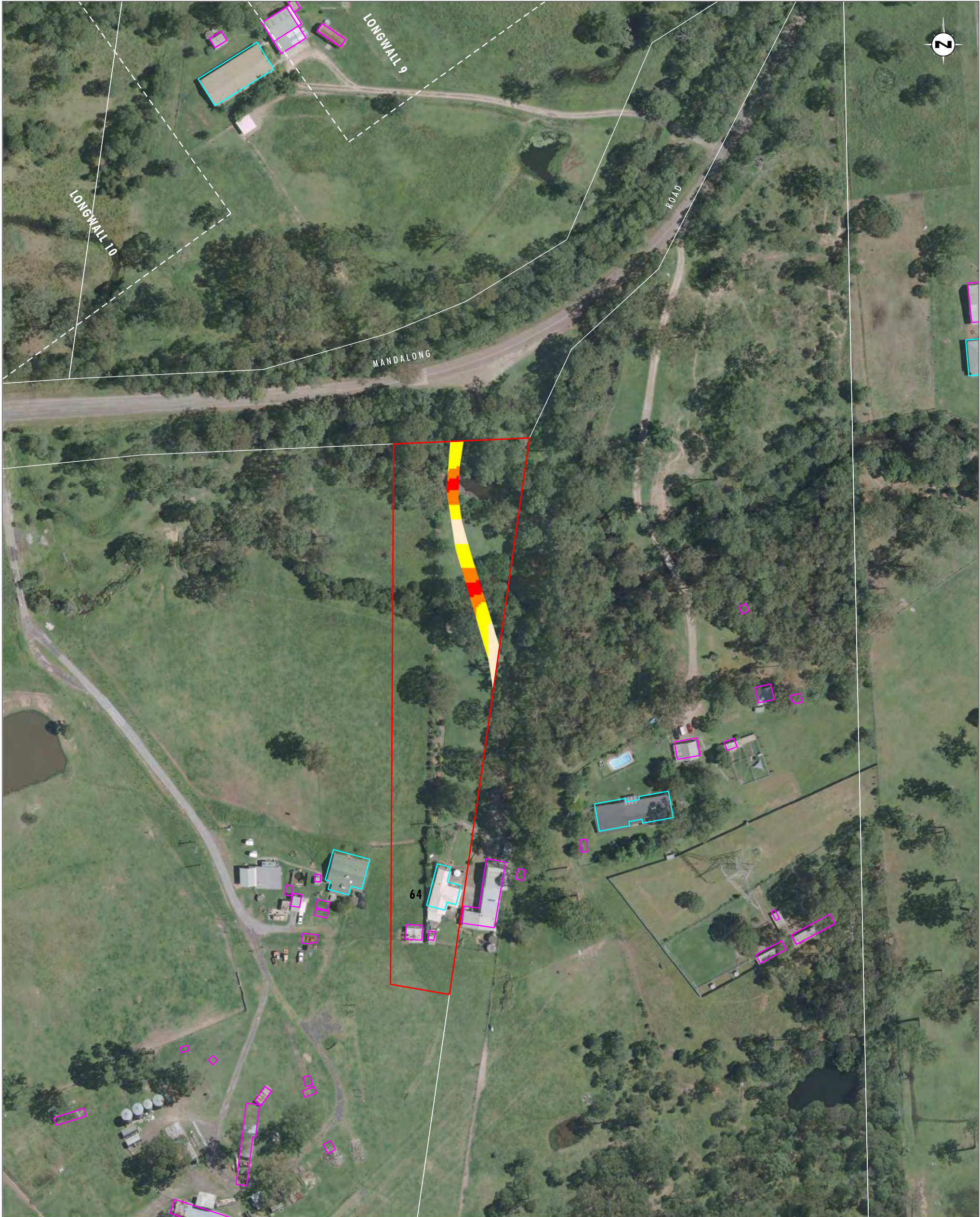


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 20 40 80 m
1:1 500 (A3)

Legend	
	Property 64
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary

Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 4
Property 64 - 100 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 20 40 80 m
1:1 500 (A3)

Legend		Water Depth (m)	
	Property 64		Range [0.001 : 0.100]
	Longwall Locations		Range [0.100 : 0.300]
	Dwelling		Range [0.300 : 0.500]
	Other Structure		Range [0.500 : 0.700]
	Cadastral Boundary		Range [0.700 : 0.900]
			Range [0.900 : 1.100]
			Range [1.100 : 1.300]
			Range [1.300 : 1.500]
			Range [1.500 : 1.700]
			Range [1.700 : 1.900]
			Range [> 1.900]

FIGURE 5
Property 64 - 1 Year ARI Storm Event:
Maximum Flood Depth Pre Mining Landform



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries

0 20 40 80 m
1:1 500 (A3)

Legend

- Property 64
- Longwall Locations
- Dwelling
- Other Structure
- Cadastral Boundary

Water Depth (m)

Range [0.001 : 0.100]	Range [0.900 : 1.100]
Range [0.100 : 0.300]	Range [1.100 : 1.300]
Range [0.300 : 0.500]	Range [1.300 : 1.500]
Range [0.500 : 0.700]	Range [1.500 : 1.700]
Range [0.700 : 0.900]	Range [1.700 : 1.900]
	Range [> 1.900]

FIGURE 6

Property 64 - 1 Year ARI Storm Event:
Maximum Flood Depth Post Mining Landform
(to Longwall 23)



Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

Legend	
	Property 64
	Longwall Locations
	Dwelling
	Other Structure
	Cadastral Boundary
Hazard Category	
	Low Hazard - Unclassified hazard
	Low Hazard - Vehicles unstable
	High Hazard - Wading unsafe
	High Hazard - Damage to light structures

FIGURE 7
Property 64 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Pre Mining Landform

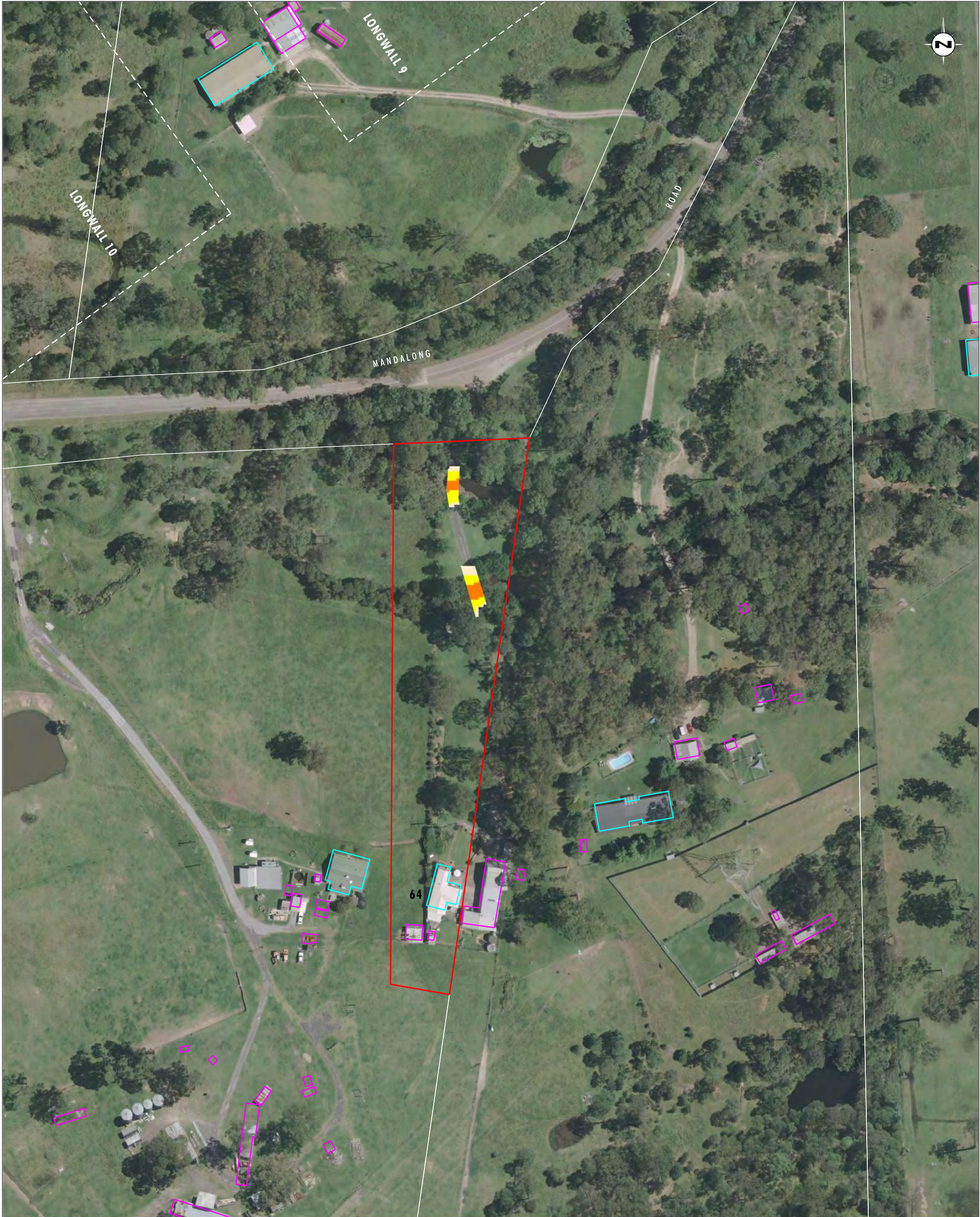


Image Source: Centennial Mandalong Pty Ltd (2009) - Aerial Photograph
Data Source: Centennial Mandalong Pty Ltd, LPI - Cadastral Boundaries
Note: Flood Hazard shown for access and dwellings only

0 20 40 80 m
1:1 500 (A3)

- | Legend | |
|--|--|
| Property 64 | Low Hazard - Unclassified hazard |
| Longwall Locations | Low Hazard - Vehicles unstable |
| Dwelling | High Hazard - Wading unsafe |
| Other Structure | High Hazard - Damage to light structures |
| Cadastral Boundary | |

FIGURE 8
Property 64 - 1 Year ARI Storm Event:
Maximum Flood Hazard Categories Post Mining Landform
(to Longwall 23)