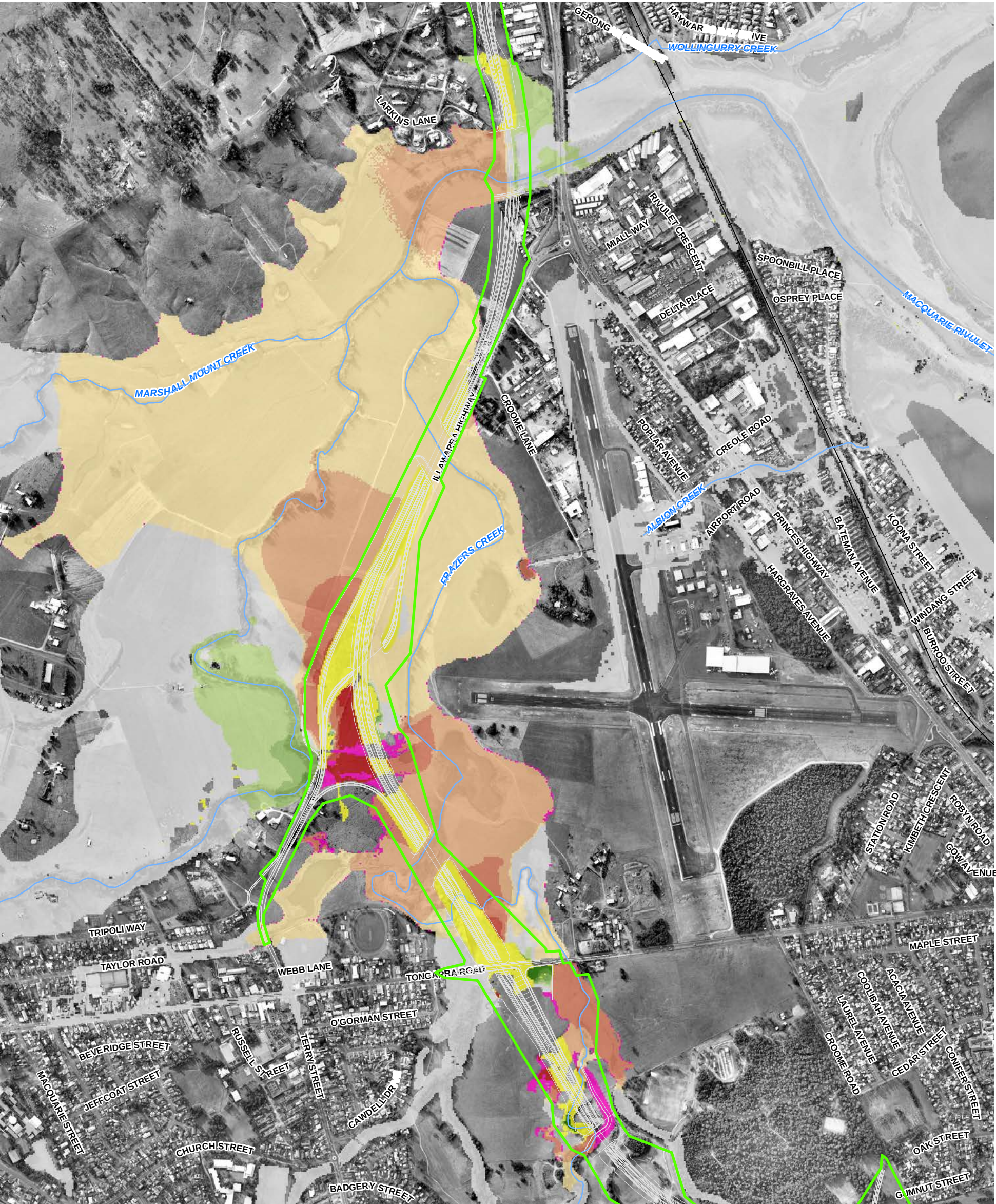




LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

Change in Water Level (m)

Newly Flooded

> 0.4

0.25 to 0.4

0.1 to 0.25

0.05 to 0.1

0.02 to 0.05

-0.02 to 0.02

-0.05 to -0.02

-0.1 to -0.05

-0.25 to -0.1

-0.4 to -0.25

< -0.4

No Longer Flooded

MACQUARIE RIVULET 10 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

090180360

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

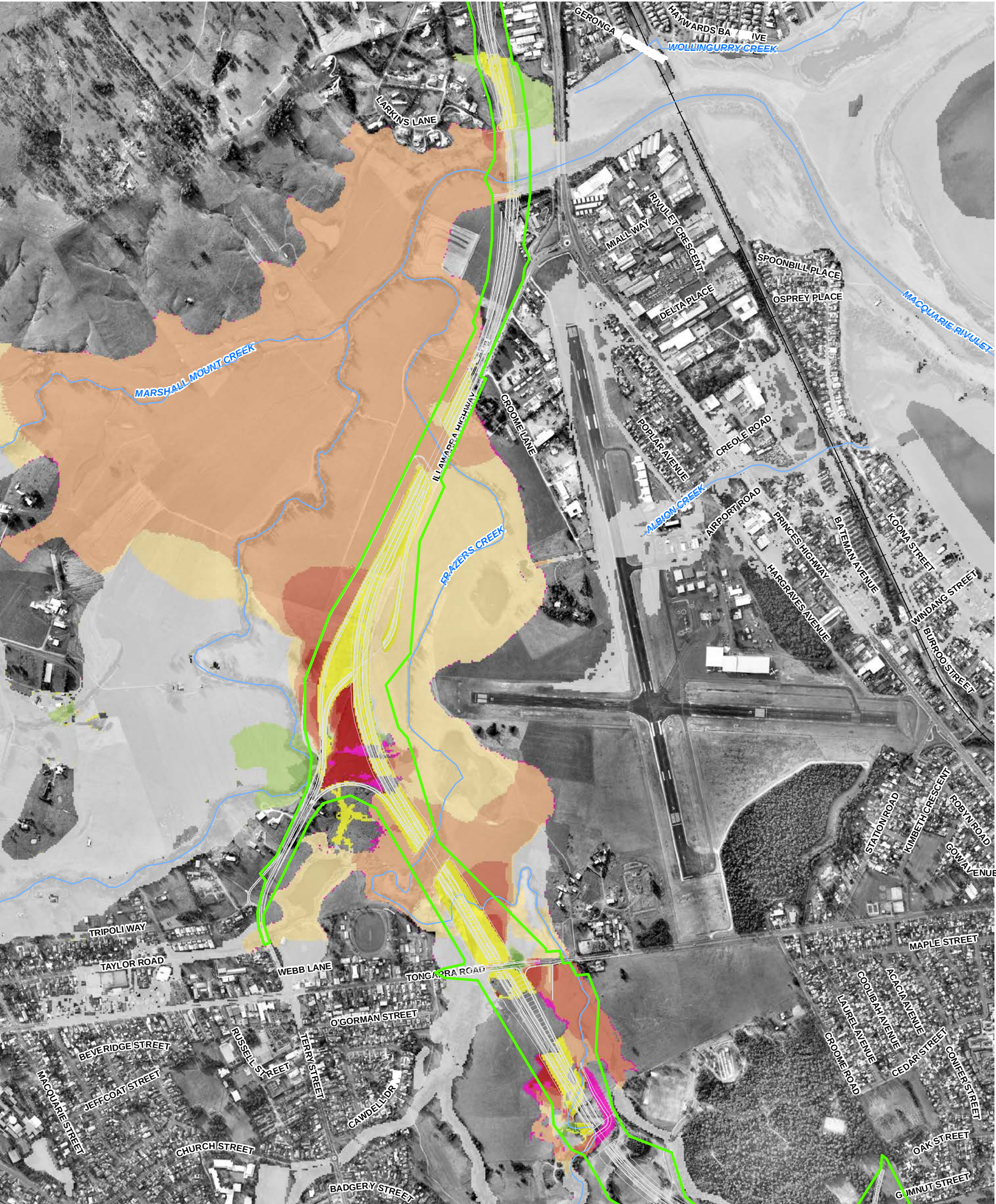
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015



LEGEND

Site Boundary	> 0.4	-0.05 to -0.02
Concept Design	0.25 to 0.4	-0.1 to -0.05
Major Watercourses	0.1 to 0.25	-0.25 to -0.1
Railway	0.05 to 0.1	-0.4 to -0.25
Change in Water Level (m)	0.02 to 0.05	< -0.4
Newly Flooded	-0.02 to 0.02	No Longer Flooded

MACQUARIE RIVULET 20 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

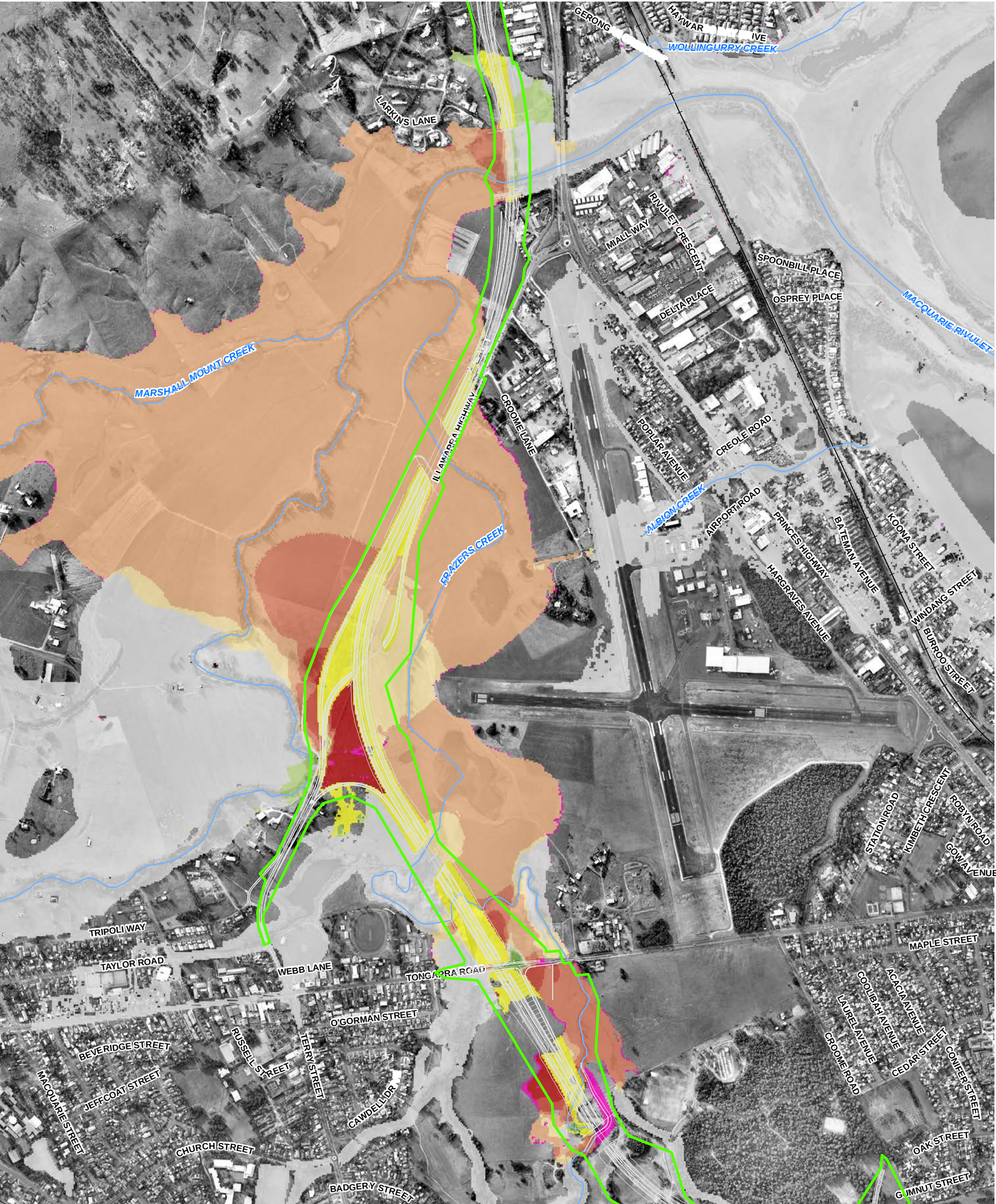
COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 5, 2015

1:12,500 @ A3

0 90 180 360
Metres

Transport
Roads & Maritime
Services

Hyder Cardno
JOINT VENTURE



LEGEND

Site Boundary	> 0.4	-0.05 to -0.02
Concept Design	0.25 to 0.4	-0.1 to -0.05
Major Watercourses	0.1 to 0.25	-0.25 to -0.1
Railway	0.05 to 0.1	-0.4 to -0.25
Change in Water Level (m)	0.02 to 0.05	< -0.4
Newly Flooded	-0.02 to 0.02	No Longer Flooded

MACQUARIE RIVULET 50 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

0 90 180 360
Metres

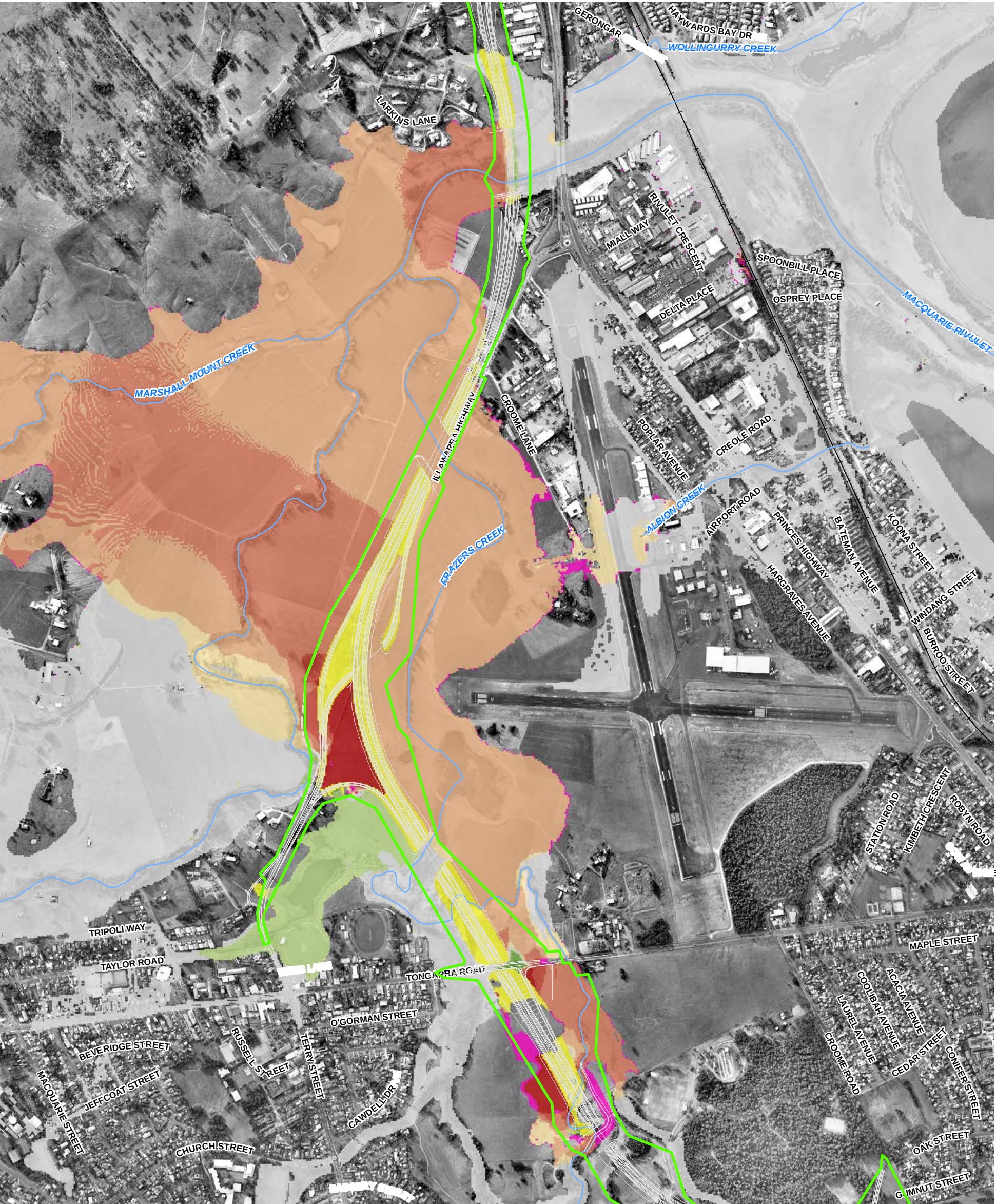
COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015

NSW GOVERNMENT Transport Roads & Maritime Services

Hyder Cardno JOINT VENTURE



LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

Change in Water Level (m)

Newly Flooded

> 0.4

0.25 to 0.4

0.1 to 0.25

0.05 to 0.1

0.02 to 0.05

-0.02 to 0.02

-0.05 to -0.02

-0.1 to -0.05

-0.25 to -0.1

-0.4 to -0.25

< -0.4

No Longer Flooded

MACQUARIE RIVULET 100 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

090180360

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

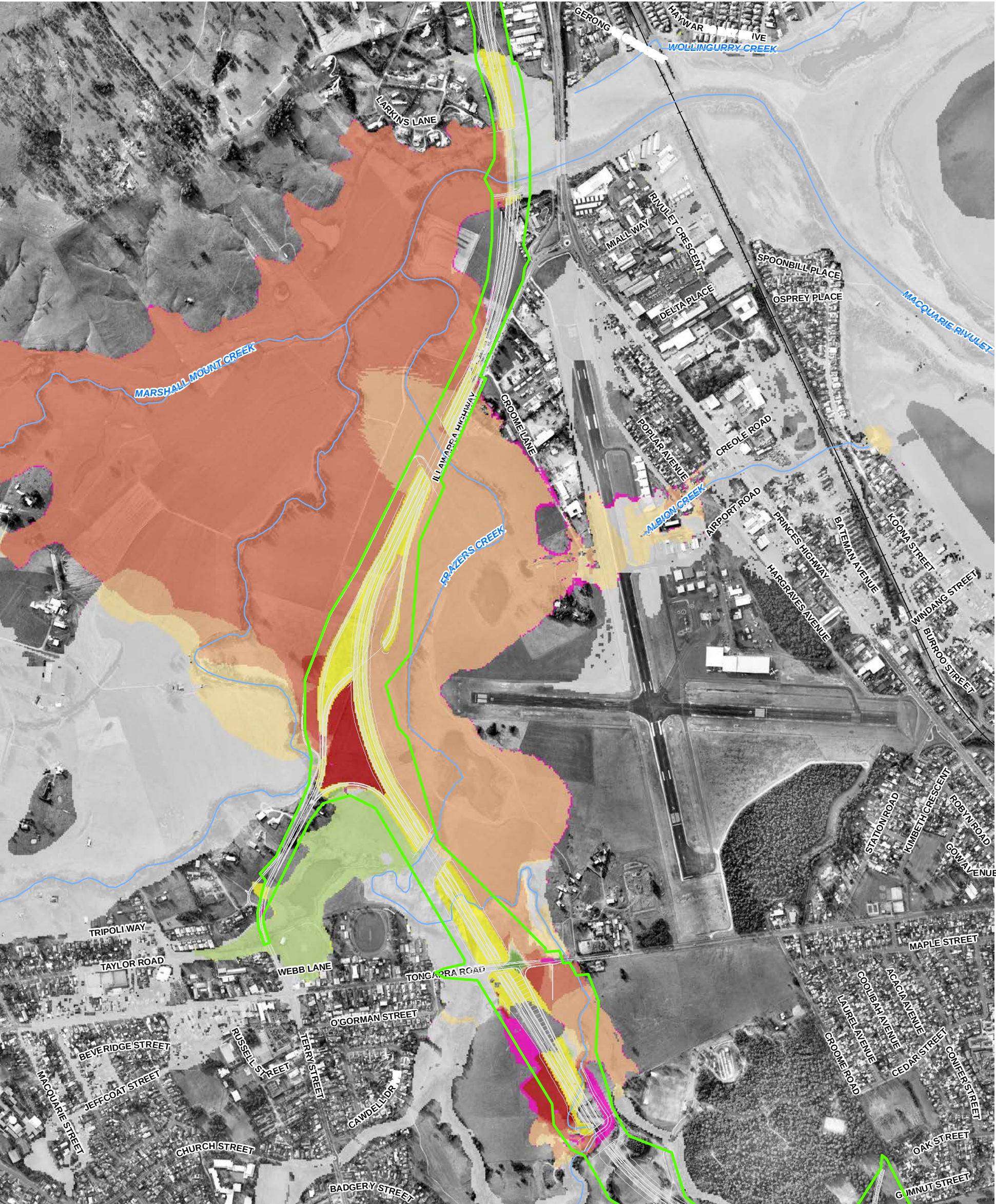
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015



LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

Change in Water Level (m)

Newly Flooded

> 0.4

0.25 to 0.4

0.1 to 0.25

0.05 to 0.1

0.02 to 0.05

-0.02 to 0.02

-0.05 to -0.02

-0.1 to -0.05

-0.25 to -0.1

-0.4 to -0.25

< -0.4

No Longer Flooded

MACQUARIE RIVULET 200 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

090180360

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015

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LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

Change in Water Level (m)

Newly Flooded

> 0.4

0.25 to 0.4

0.1 to 0.25

0.05 to 0.1

0.02 to 0.05

-0.02 to 0.02

-0.05 to -0.02

-0.1 to -0.05

-0.25 to -0.1

-0.4 to -0.25

< -0.4

No Longer Flooded

MACQUARIE RIVULET 500 YEAR ARI CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

0 90 180 360

Metres

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015

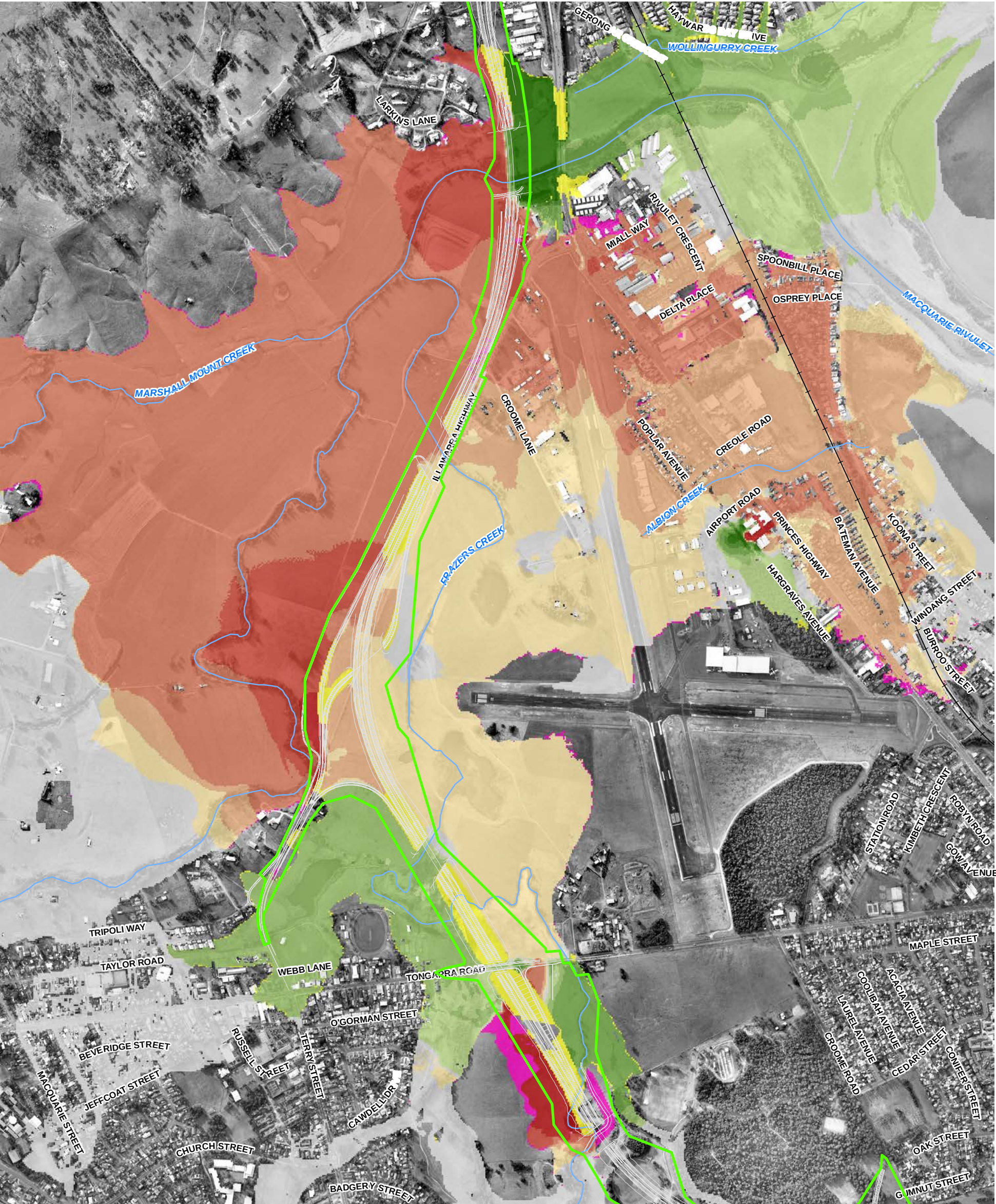
NSW
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Roads & Maritime
Services

Hyder

Cardno

JOINT VENTURE

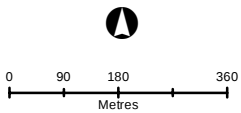


LEGEND

- Site Boundary
- Concept Design
- Major Watercourses
- Railway
- Change in Water Level (m)
- Newly Flooded

> 0.4	-0.05 to -0.02
0.25 to 0.4	-0.1 to -0.05
0.1 to 0.25	-0.25 to -0.1
0.05 to 0.1	-0.4 to -0.25
0.02 to 0.05	< -0.4
-0.02 to 0.02	No Longer Flooded

1:12,500 @ A3

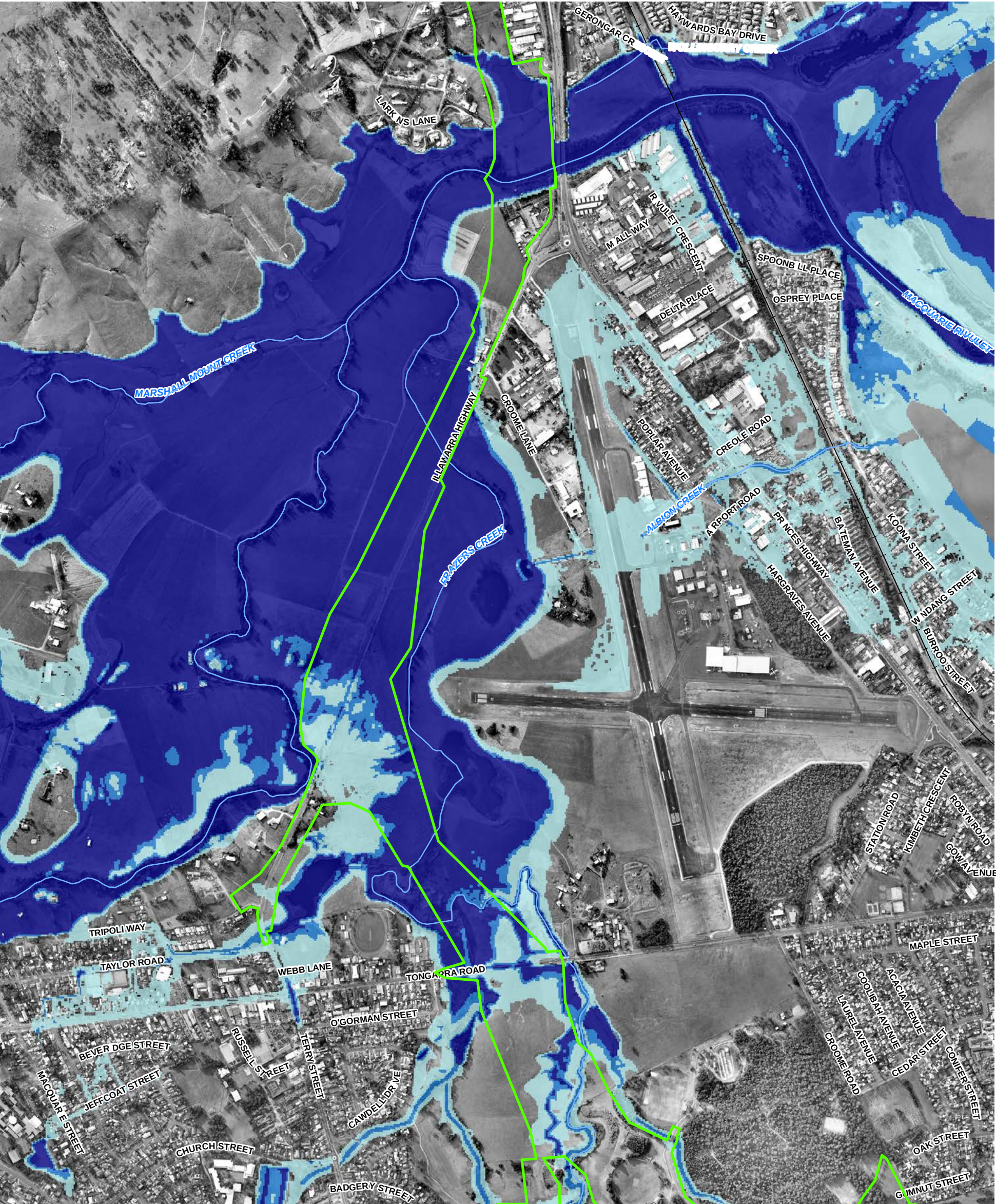


MACQUARIE RIVULET PMF CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 5, 2015





LEGEND

Site Boundary High

Major Watercourses

Railway

Flood Hazard

Low

Medium

MACQUARIE RIVULET 100 YEAR ARI FLOOD HAZARD – EXISTING CONDITIONS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

0 90 180 360
Metres

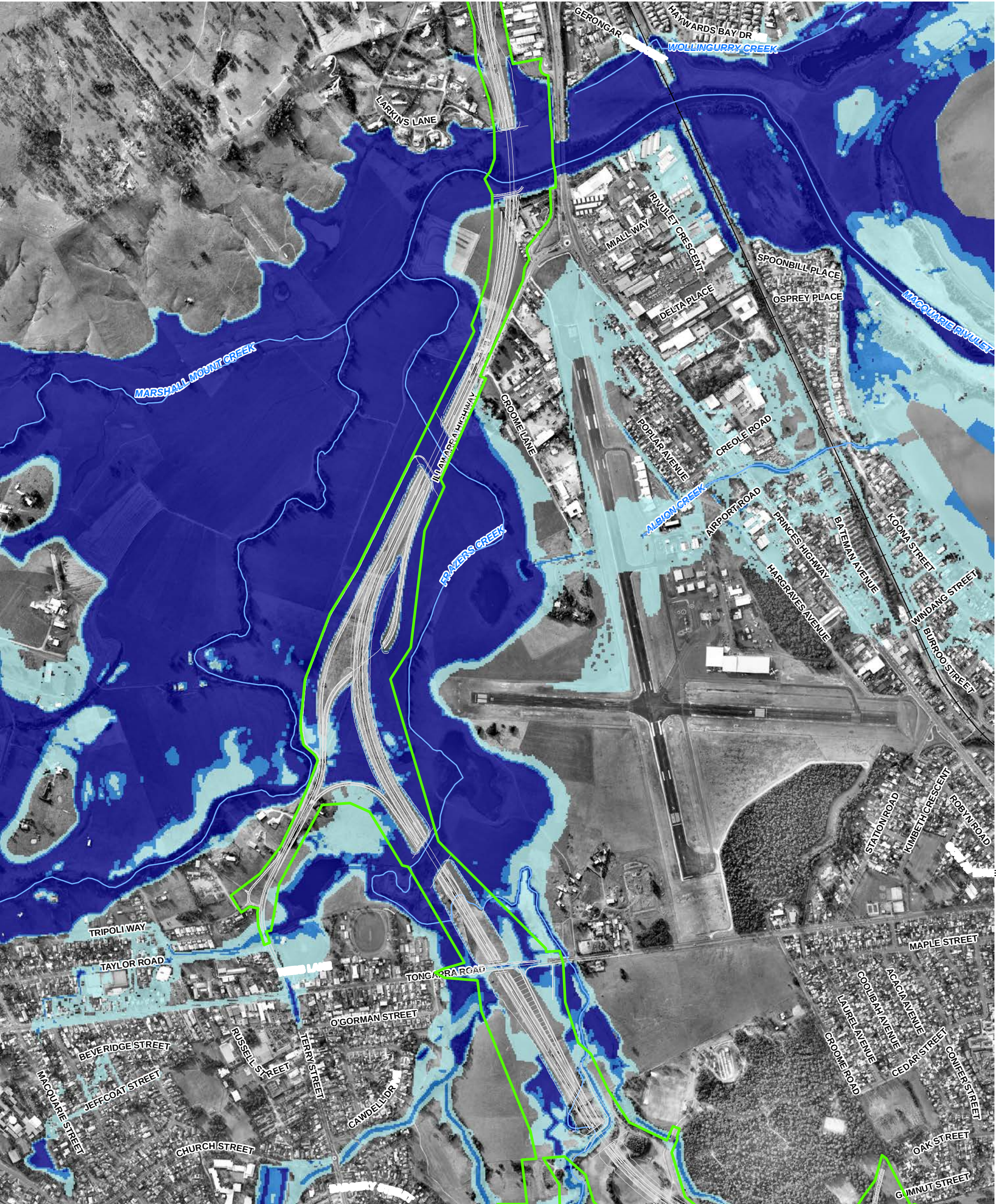
COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015

NSW Government
Transport
Roads & Maritime
Services

Hyder **Cardno**
JOINT VENTURE



LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

Medium

High

Flood Hazard

Low

MACQUARIE RIVULET 100 YEAR ARI FLOOD HAZARD – WITH PROPOSED BYPASS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:12,500 @ A3

0 90 180 360

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

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Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

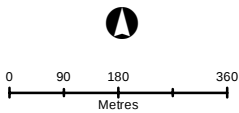
DATE: AUGUST 5, 2015



LEGEND

Road Labels	0.5 - 1
Site Boundary	1 - 2
Major Watercourses	2 - 3
Railway	3 - 4
1m Flood Contours	4 - 5
0 - 0.5	>5

1:12,500 @ A3

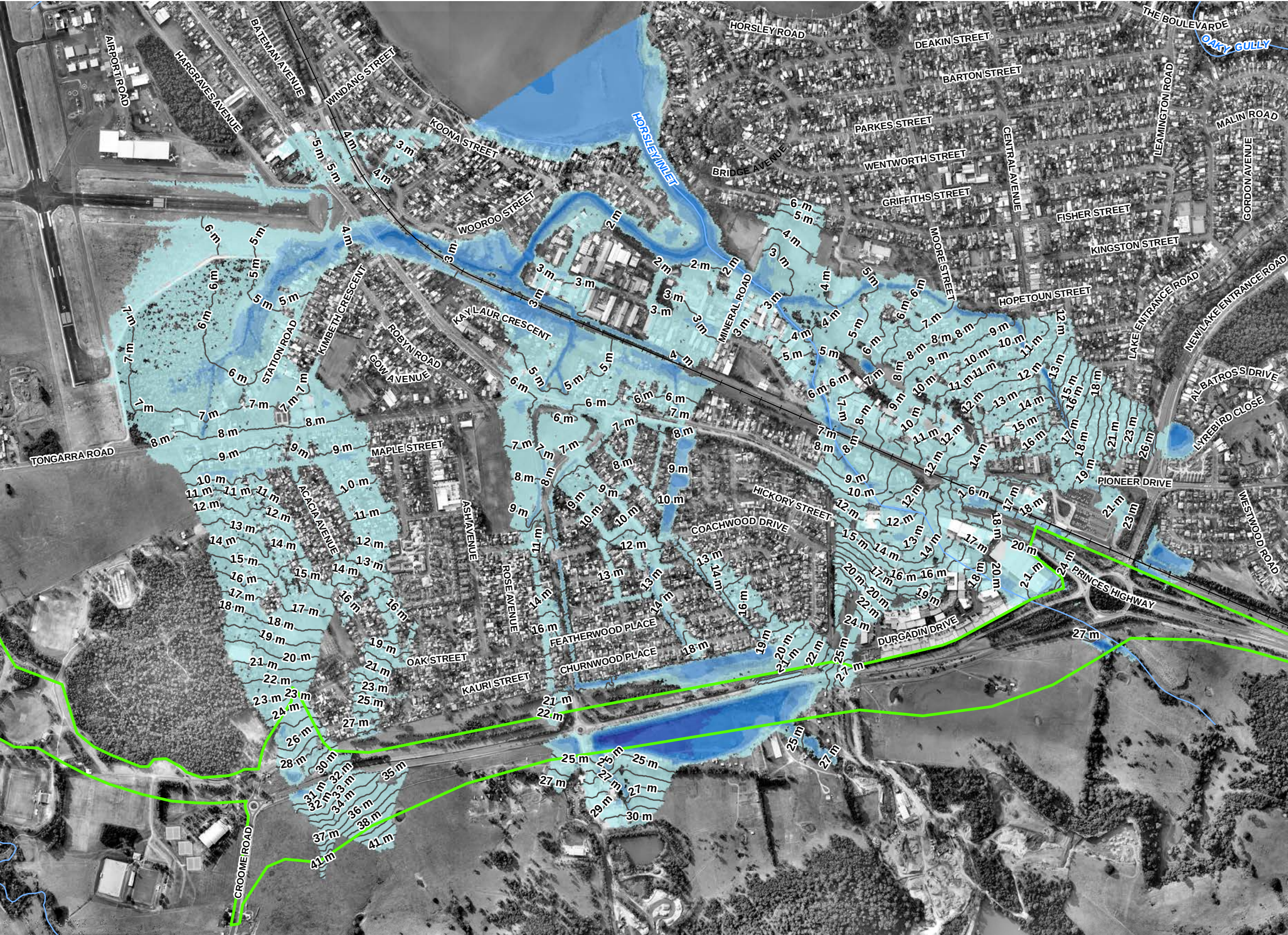


MACQUARIE RIVULET 20 YEAR ARI CLIMATE AND LAND USE CHANGE

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 5, 2015





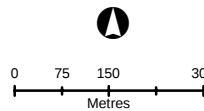
LEGEND

- Site Boundary
- Major Watercourses
- Railway
- 1m Flood Contours

Flood Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- >5

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HORSLEY CREEK 10 YEAR ARI FLOOD DEPTH – EXISTING CONDITIONS

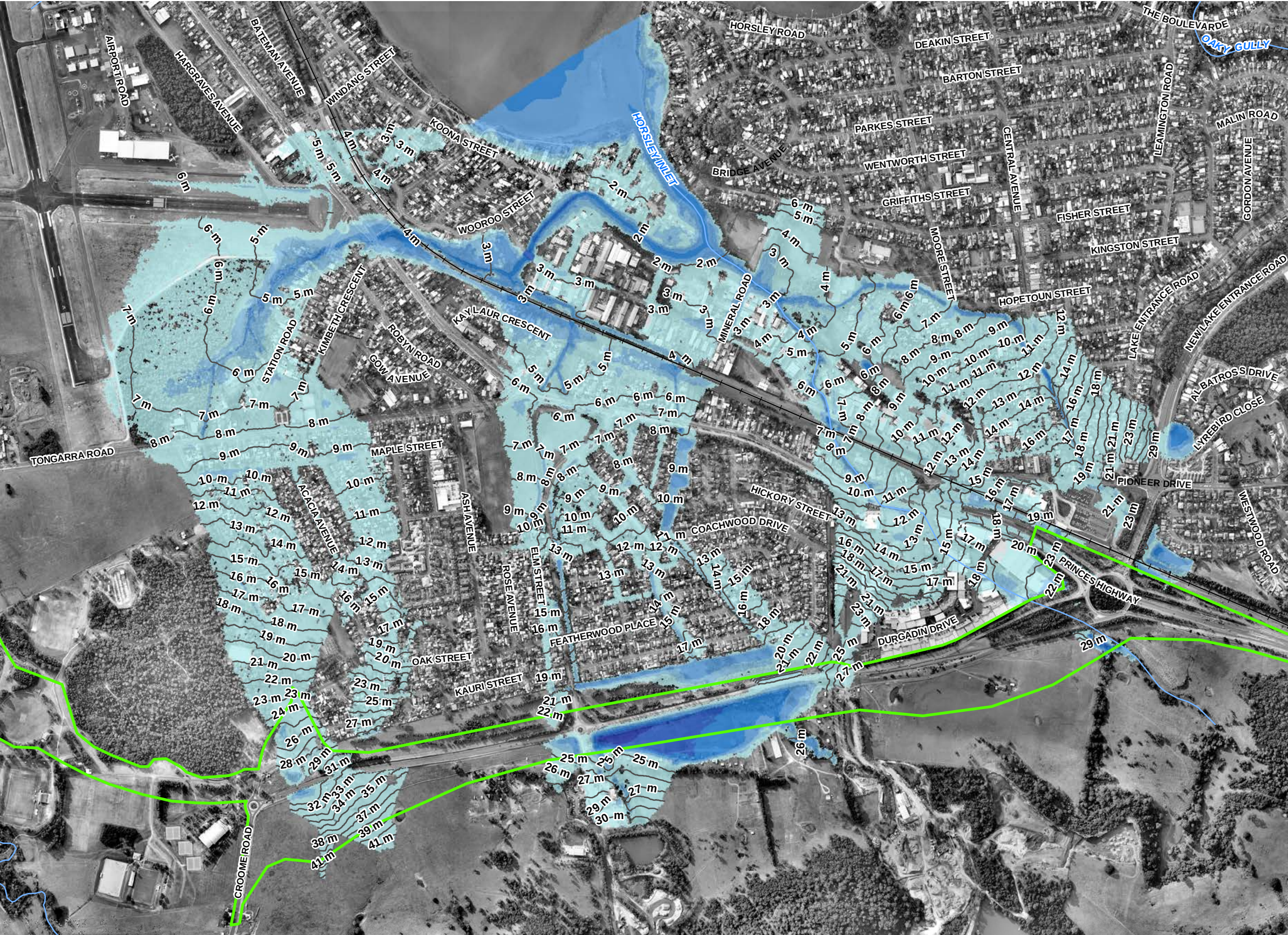
ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015



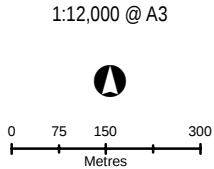


LEGEND

- Site Boundary
- Major Watercourses
- Railway
- 1m Flood Contours

Flood Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- >5



HORSLEY CREEK 20 YEAR ARI FLOOD DEPTH – EXISTING CONDITIONS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

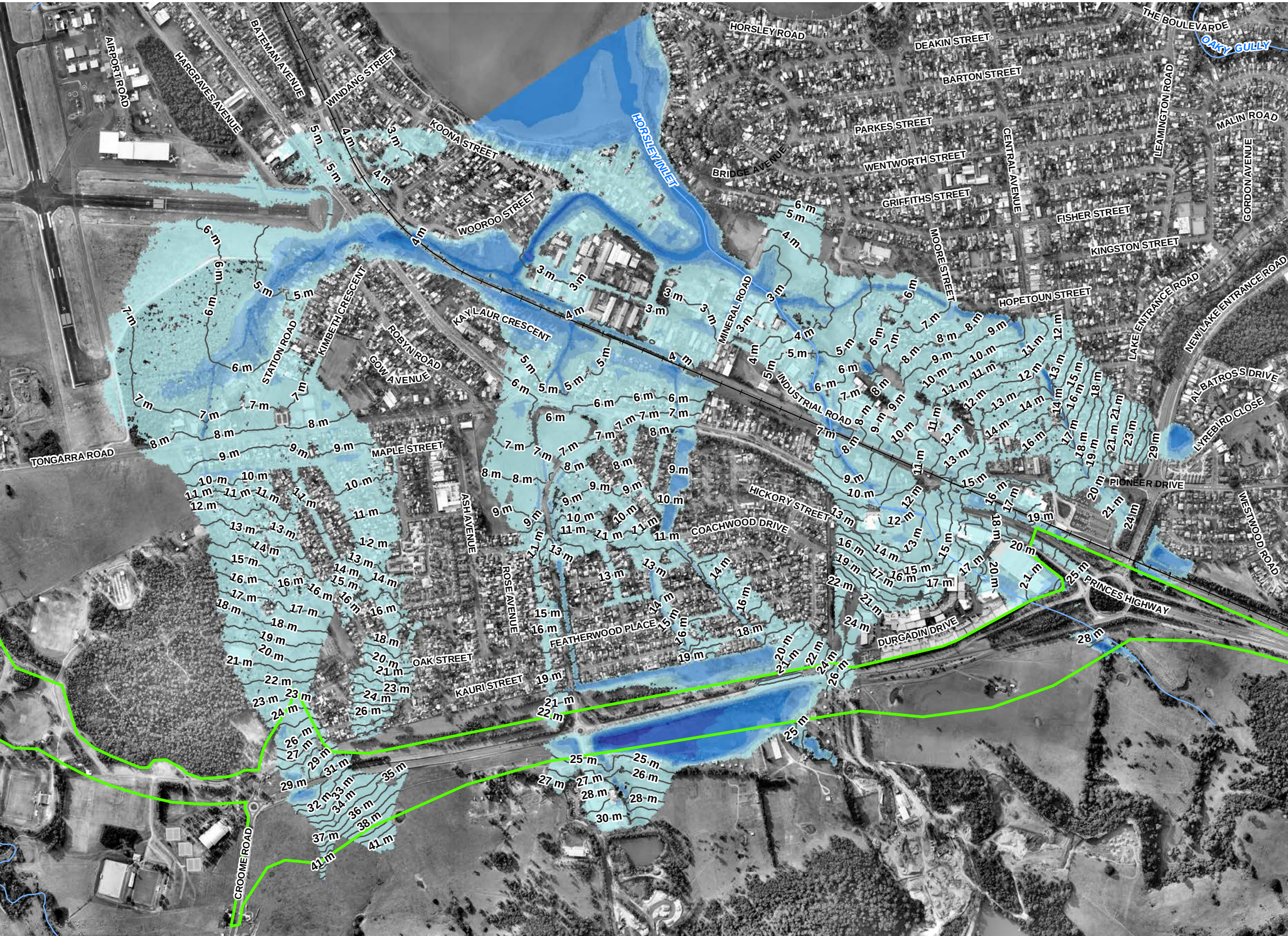
COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015



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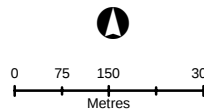
LEGEND

- Site Boundary
- Major Watercourses
- Railway
- 1m Flood Contours

Flood Depth (m)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- 4 - 5
- >5

1:12,000 @ A3



HORSLEY CREEK 50 YEAR ARI FLOOD DEPTH – EXISTING CONDITIONS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 5, 2015

