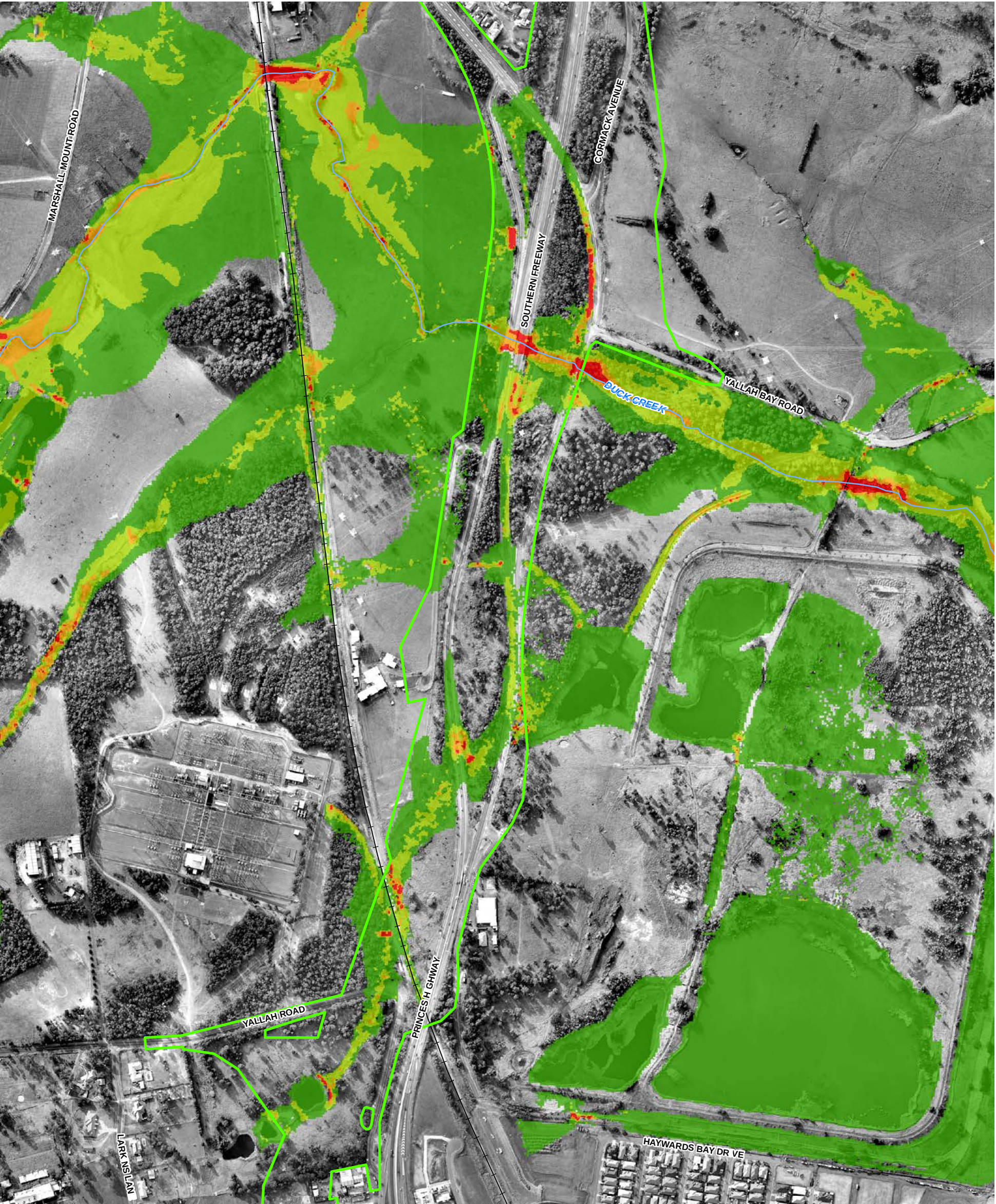




LEGEND

Site Boundary

Major Watercourses

Railway

2 - 3

> 3

Flood Velocity (m/s)

0 - 1

1 - 2

DUCK CREEK 200 YEAR ARI FLOOD VELOCITY – EXISTING CONDITIONS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

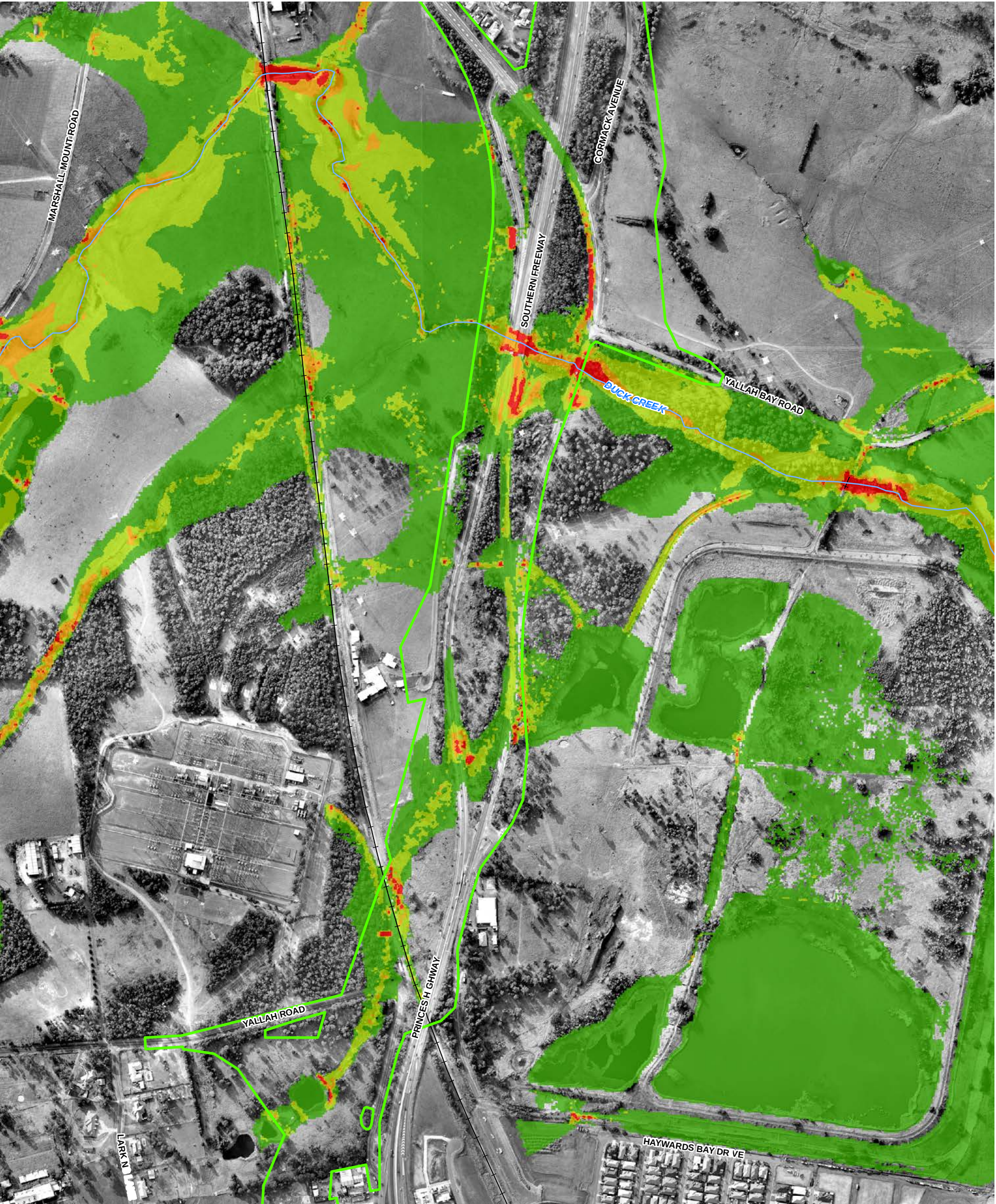
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015



LEGEND

Site Boundary

Major Watercourses

Railway

2 - 3

> 3

Flood Velocity (m/s)

0 - 1

1 - 2

DUCK CREEK 500 YEAR ARI FLOOD VELOCITY – EXISTING CONDITIONS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

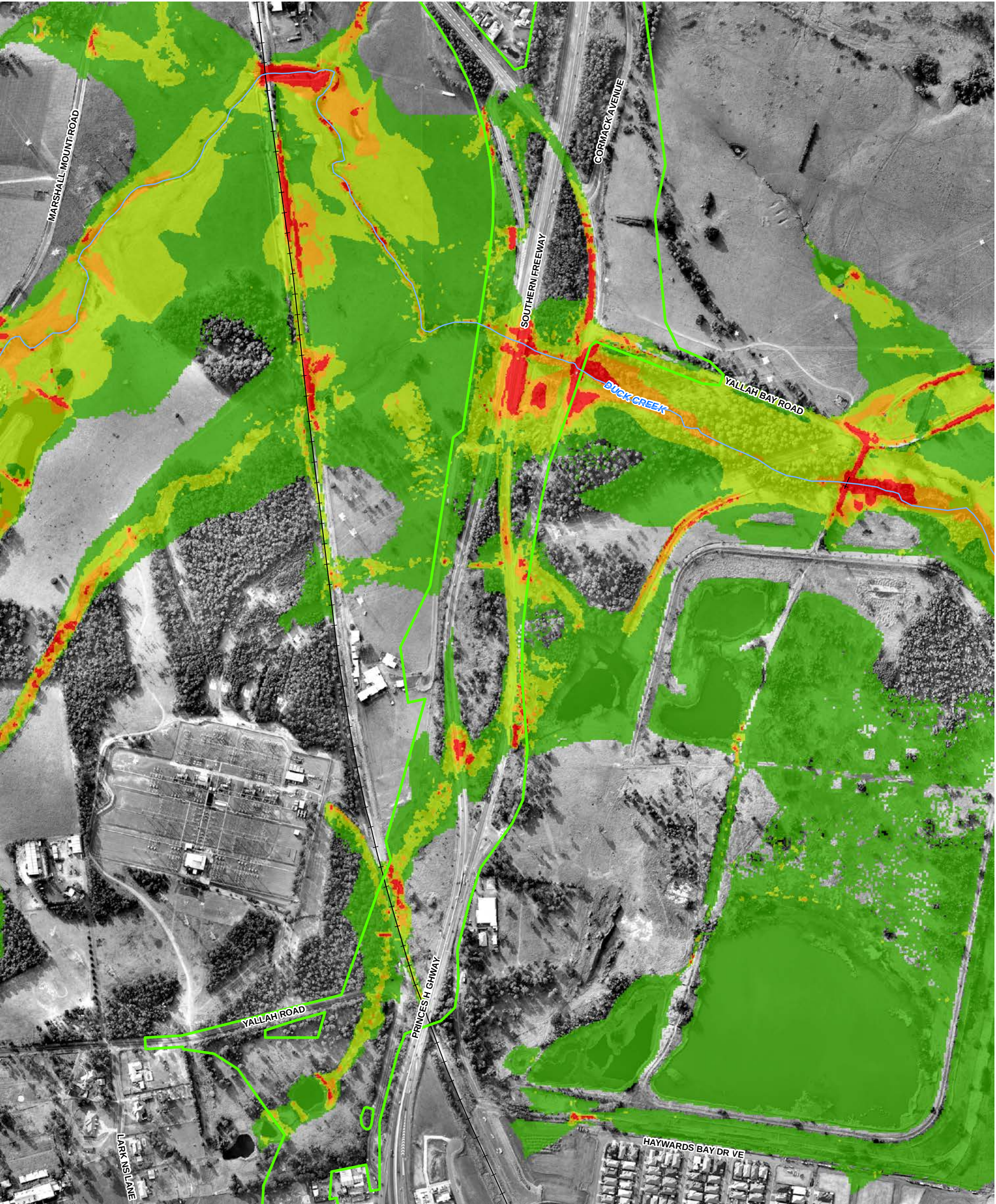
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015



LEGEND

Site Boundary

Major Watercourses

Railway

Flood Velocity (m/s)

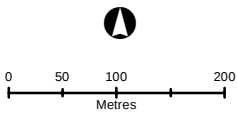
0 - 1

1 - 2

2 - 3

> 3

1:7,000 @ A3



DUCK CREEK PMF FLOOD VELOCITY - 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 4, 2015





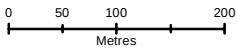
LEGEND

- Site Boundary
- Concept Design
- Major Watercourses
- Railway
- Flood Velocity (m/s)
 - 0 - 1
 - 1 - 2
 - 2 - 3
 - > 3

DUCK CREEK 10 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

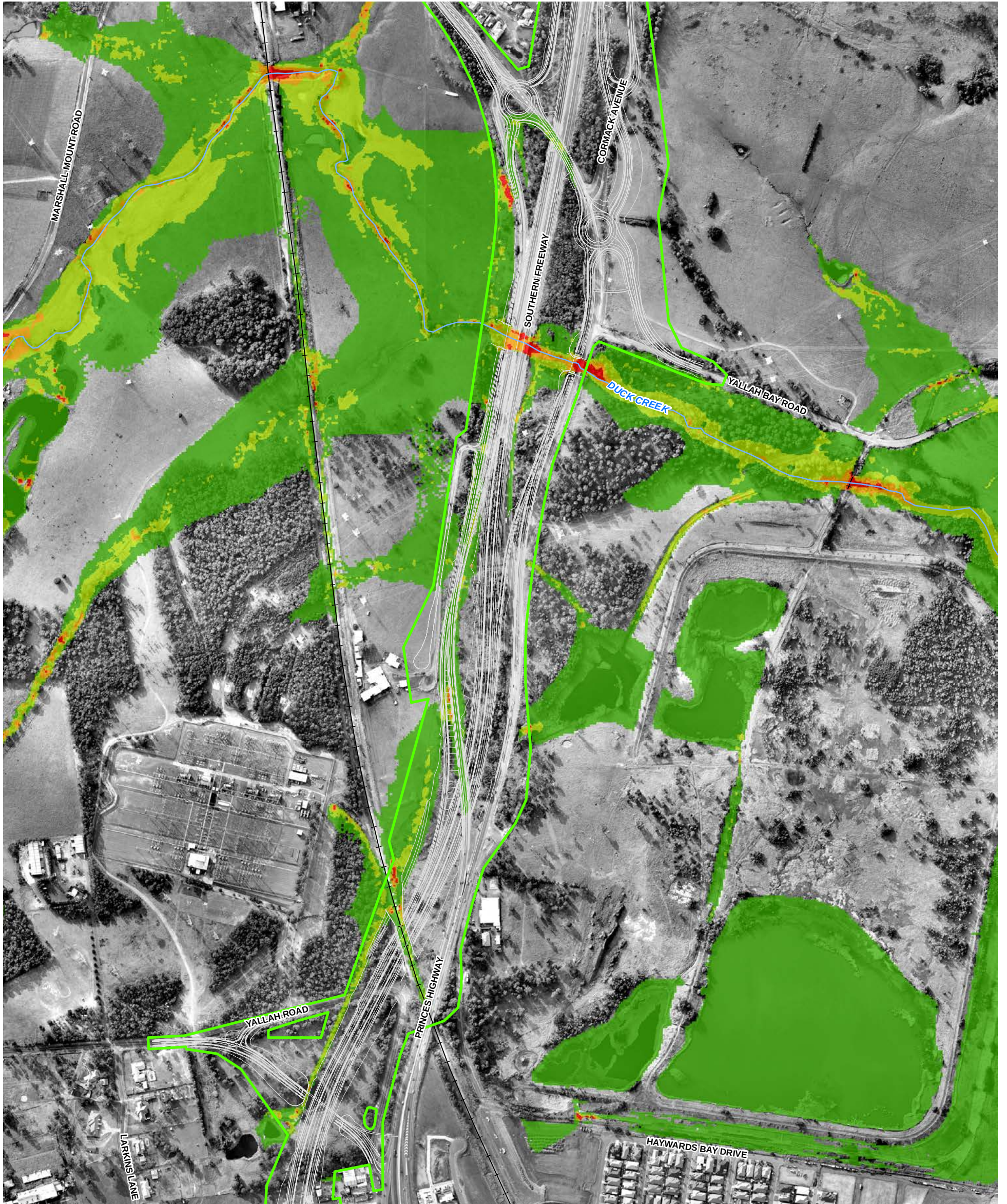
ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3



COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 4, 2015





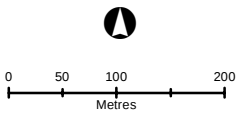
LEGEND

- Site Boundary
- Concept Design
- Major Watercourses
- Railway
- Flood Velocity (m/s)
 - 0 - 1
 - 1 - 2
 - 2 - 3
 - > 3

DUCK CREEK 20 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

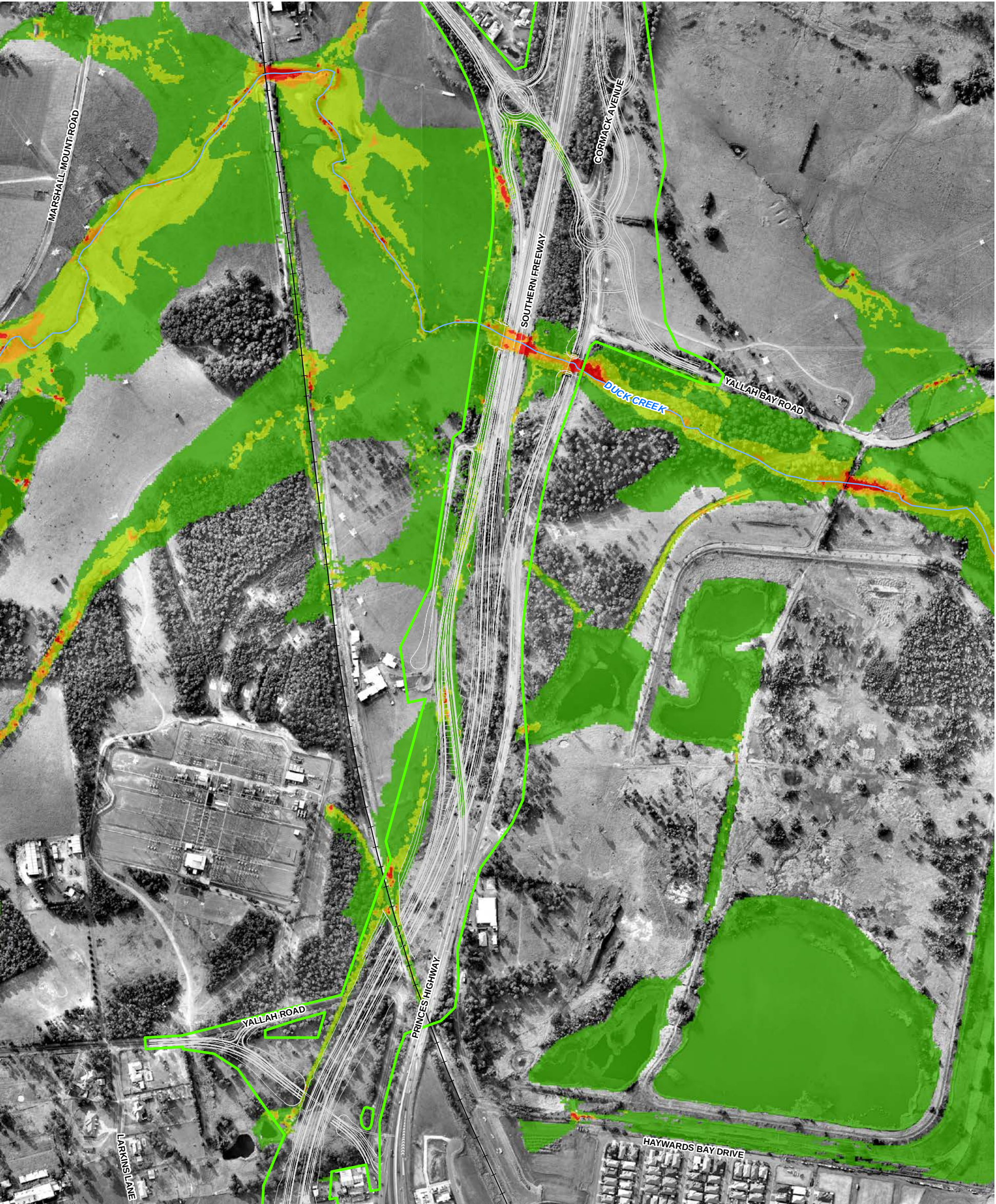
ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3



COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 4, 2015





LEGEND

Site Boundary	1 - 2
Concept Design	2 - 3
Major Watercourses	> 3
Railway	

Flood Velocity (m/s)

0 - 1

DUCK CREEK 50 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

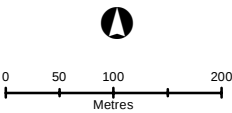
DATE: AUGUST 4, 2015

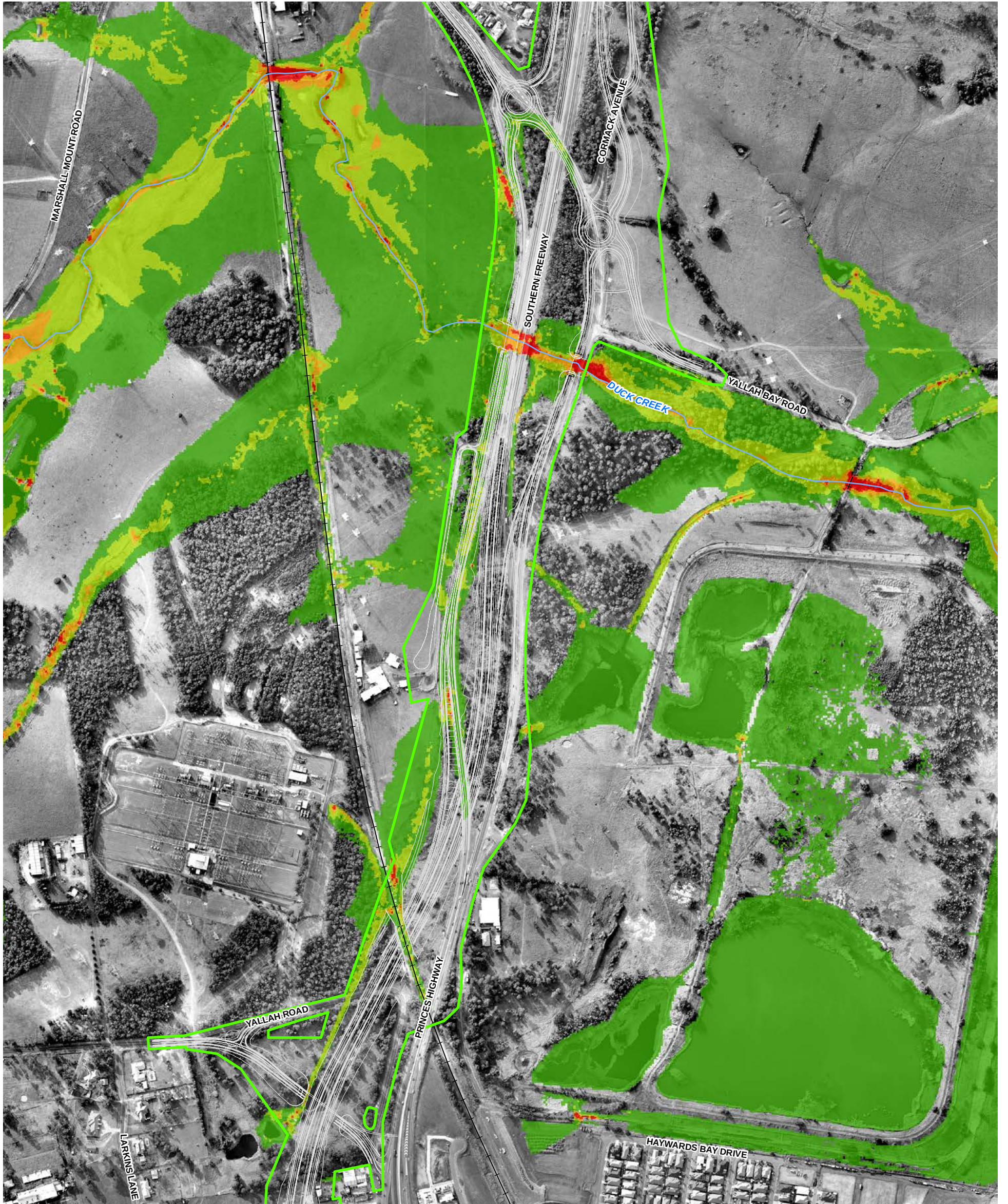
NSW
GOVERNMENT

Transport
Roads & Maritime
Services

JOINT VENTURE

1:7,000 @ A3





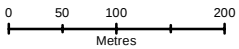
LEGEND

- Site Boundary
- Concept Design
- Major Watercourses
- Railway
- Flood Velocity (m/s)
 - 0 - 1
 - 1 - 2
 - 2 - 3
 - > 3

DUCK CREEK 100 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

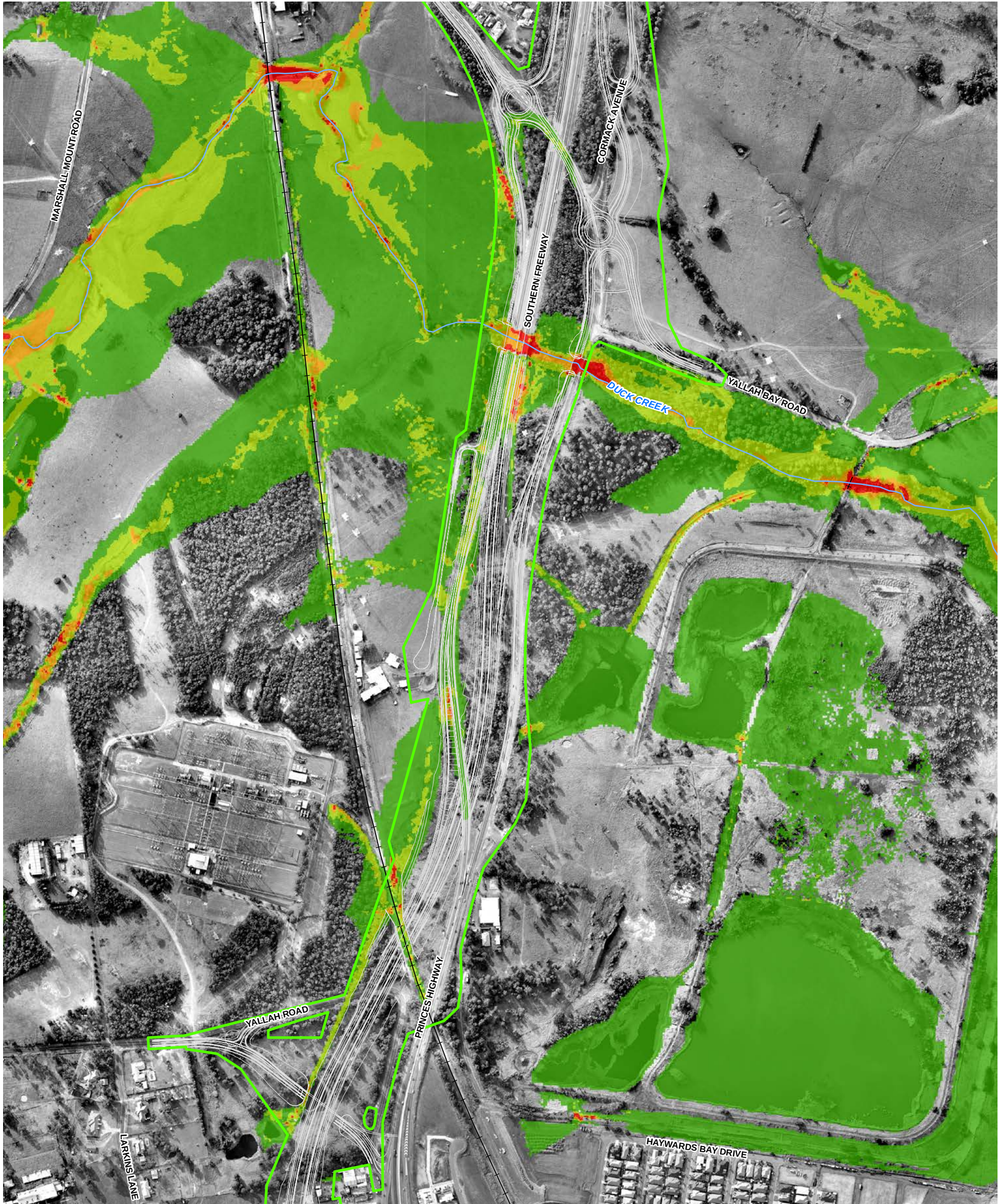
ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3



COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 4, 2015





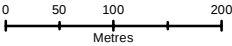
LEGEND

- | | |
|-----------------------------|-------|
| Site Boundary | 1 - 2 |
| Concept Design | 2 - 3 |
| Major Watercourses | > 3 |
| Railway | |
| Flood Velocity (m/s) | |
| 0 - 1 | |

DUCK CREEK 200 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

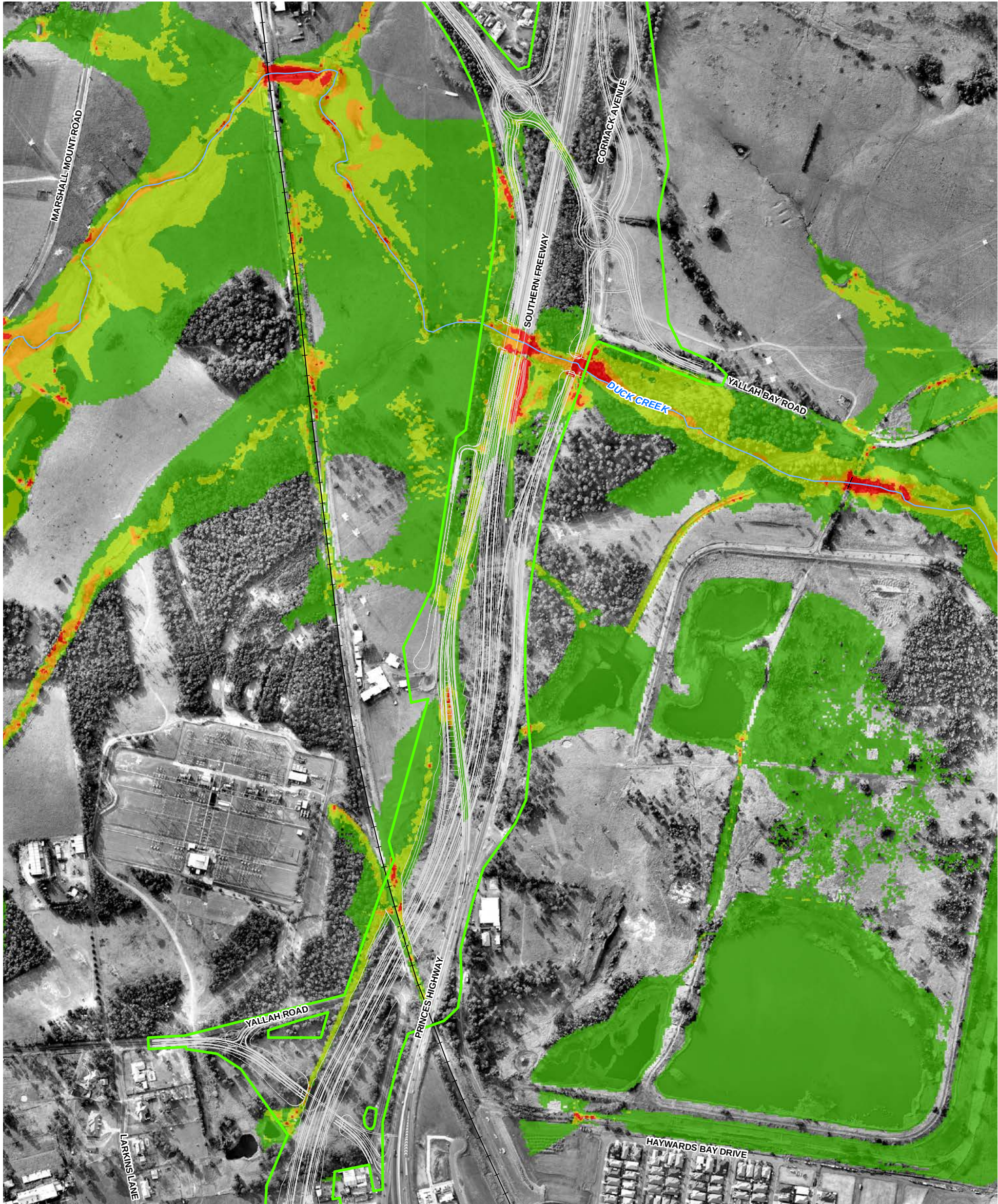


COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015





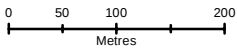
LEGEND

- Site Boundary
- Concept Design
- Major Watercourses
- Railway
- Flood Velocity (m/s)
 - 0 - 1
 - 1 - 2
 - 2 - 3
 - > 3

DUCK CREEK 500 YEAR ARI FLOOD VELOCITY – WITH PROPOSED BYPASS

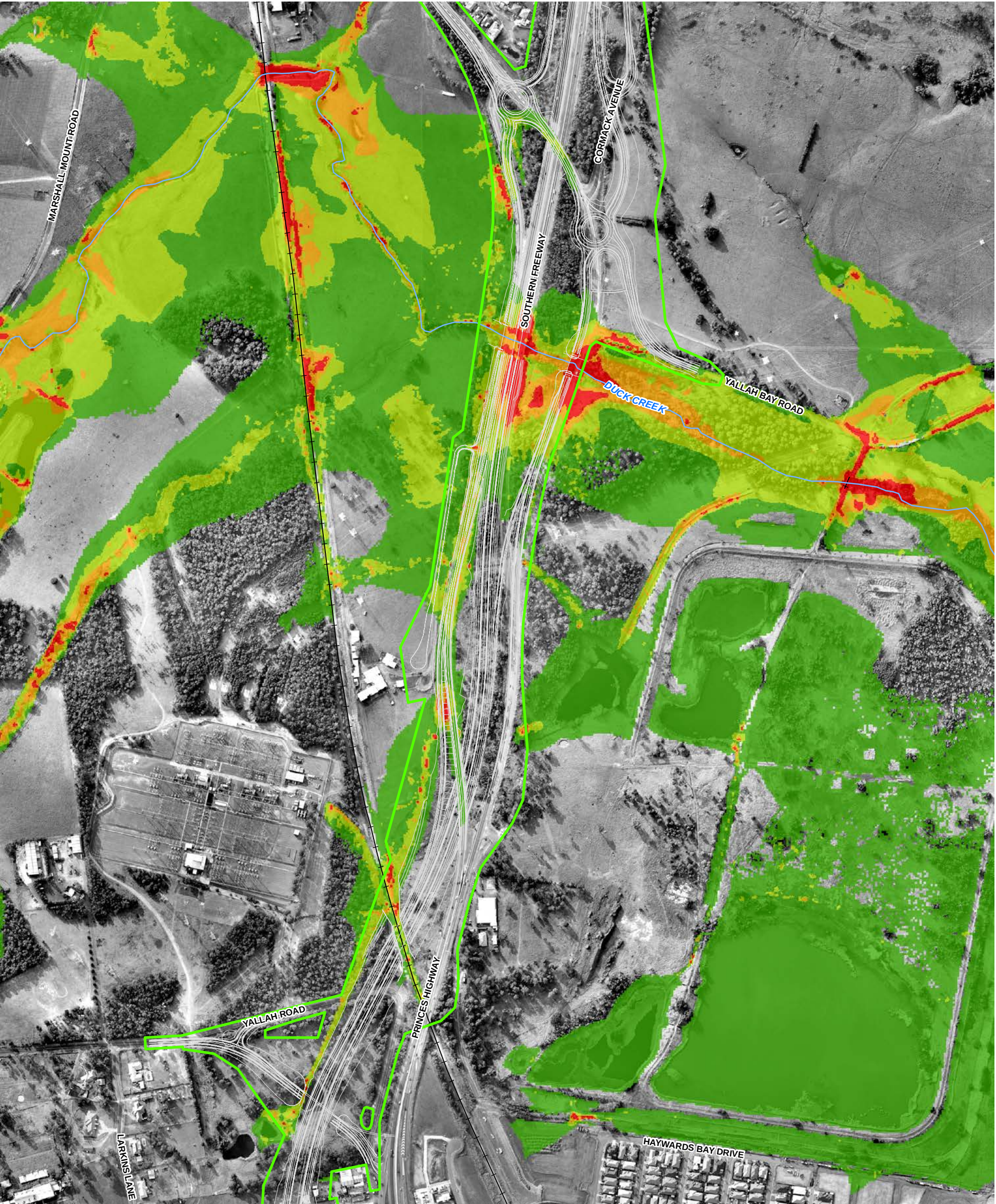
ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3



COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 4, 2015





LEGEND

Site Boundary

Concept Design

Major Watercourses

Railway

1 - 2

2 - 3

> 3

Flood Velocity (m/s)

0 - 1

DUCK CREEK PMF FLOOD VELOCITY – WITH PROPOSED BYPASS

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

050100200

Metres

NSW

GOVERNMENT

Transport
Roads & Maritime
Services

Hyder

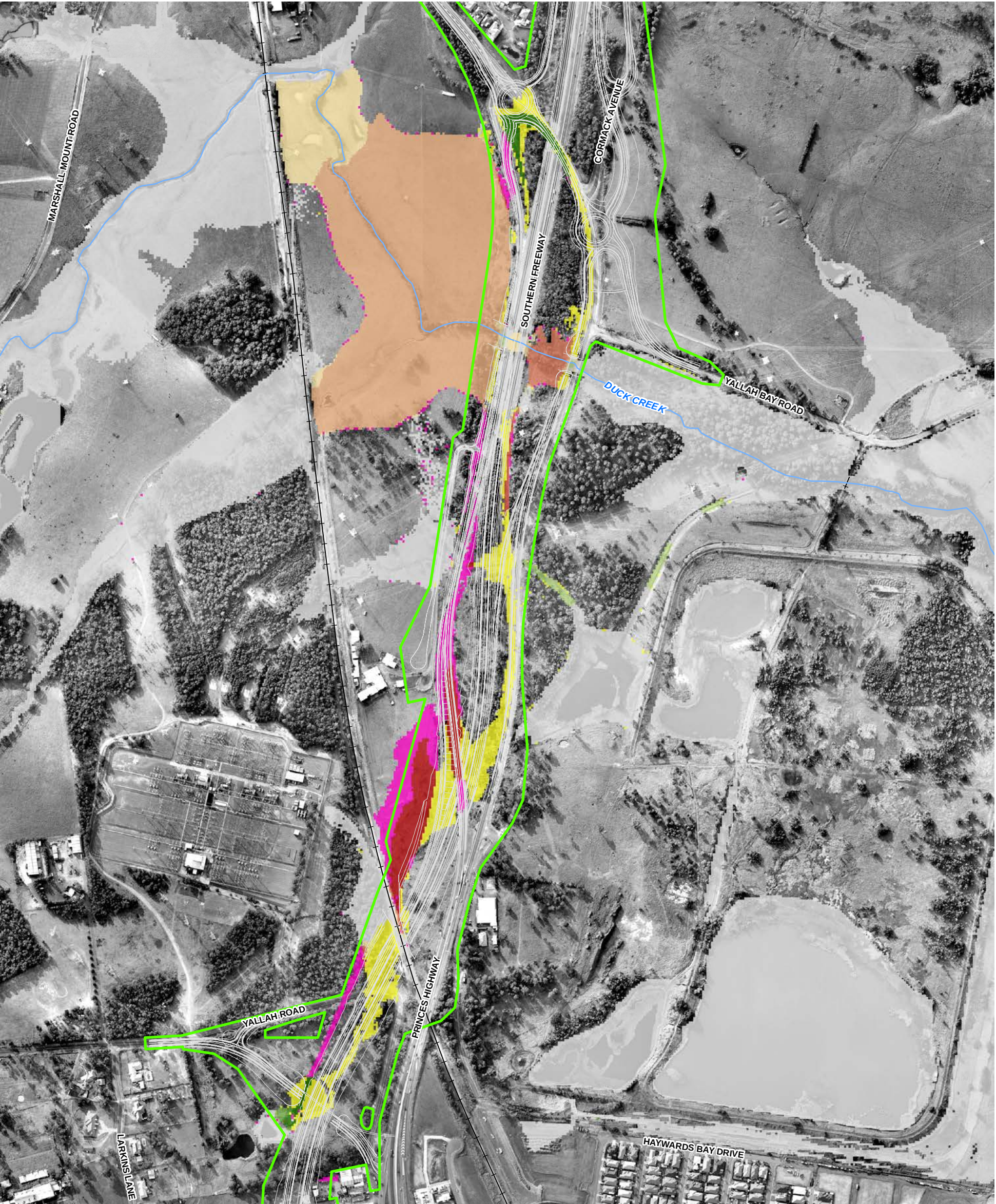
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015



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

DUCK CREEK 10 YEAR CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200
Metres

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

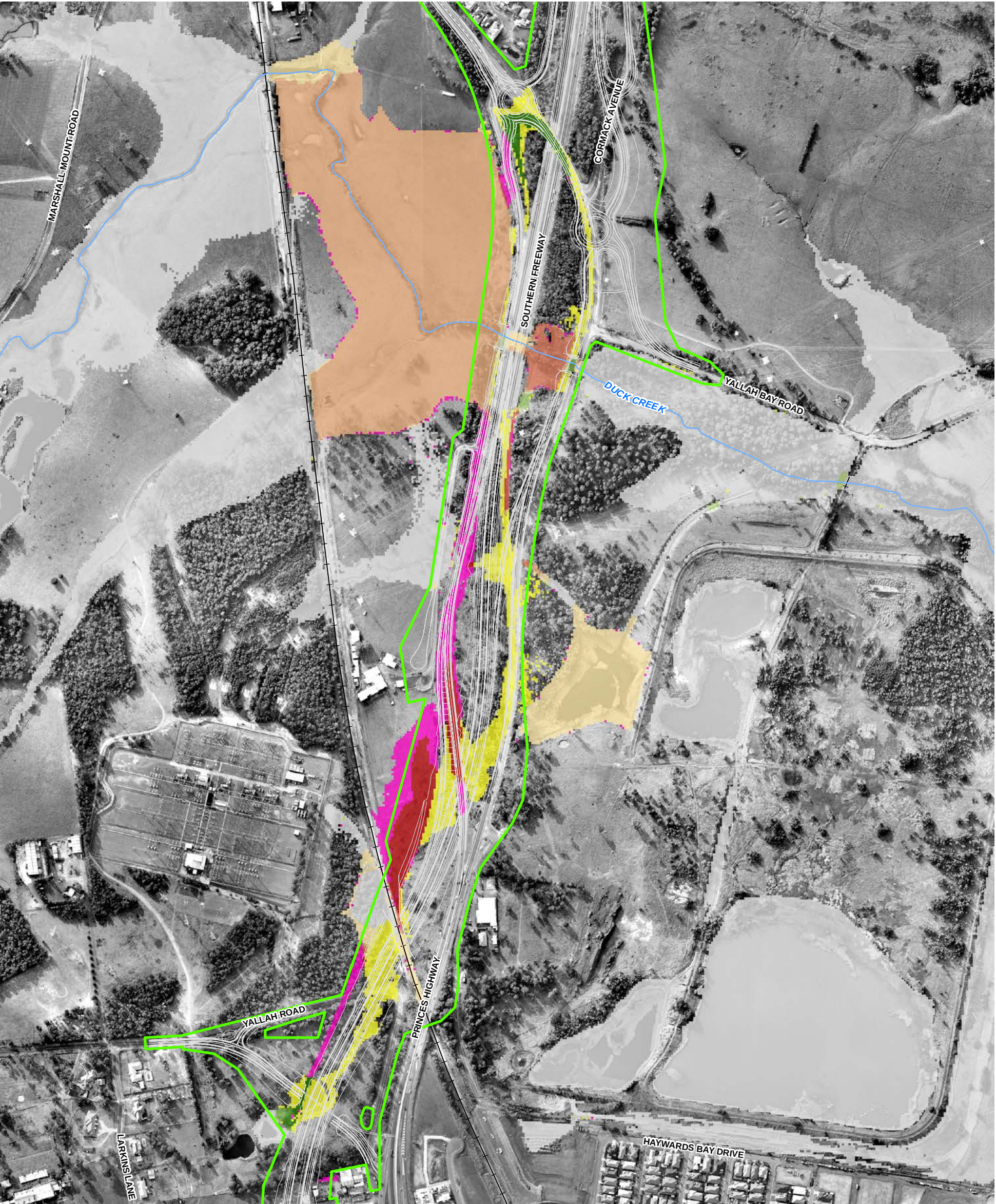
DATE: AUGUST 4, 2015

NSW
GOVERNMENT

Transport
Roads & Maritime
Services

Hyder
JOINT VENTURE

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

DUCK CREEK 20 YEAR CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200

Metres

NSW GOVERNMENT

Transport Roads & Maritime Services

Hyder

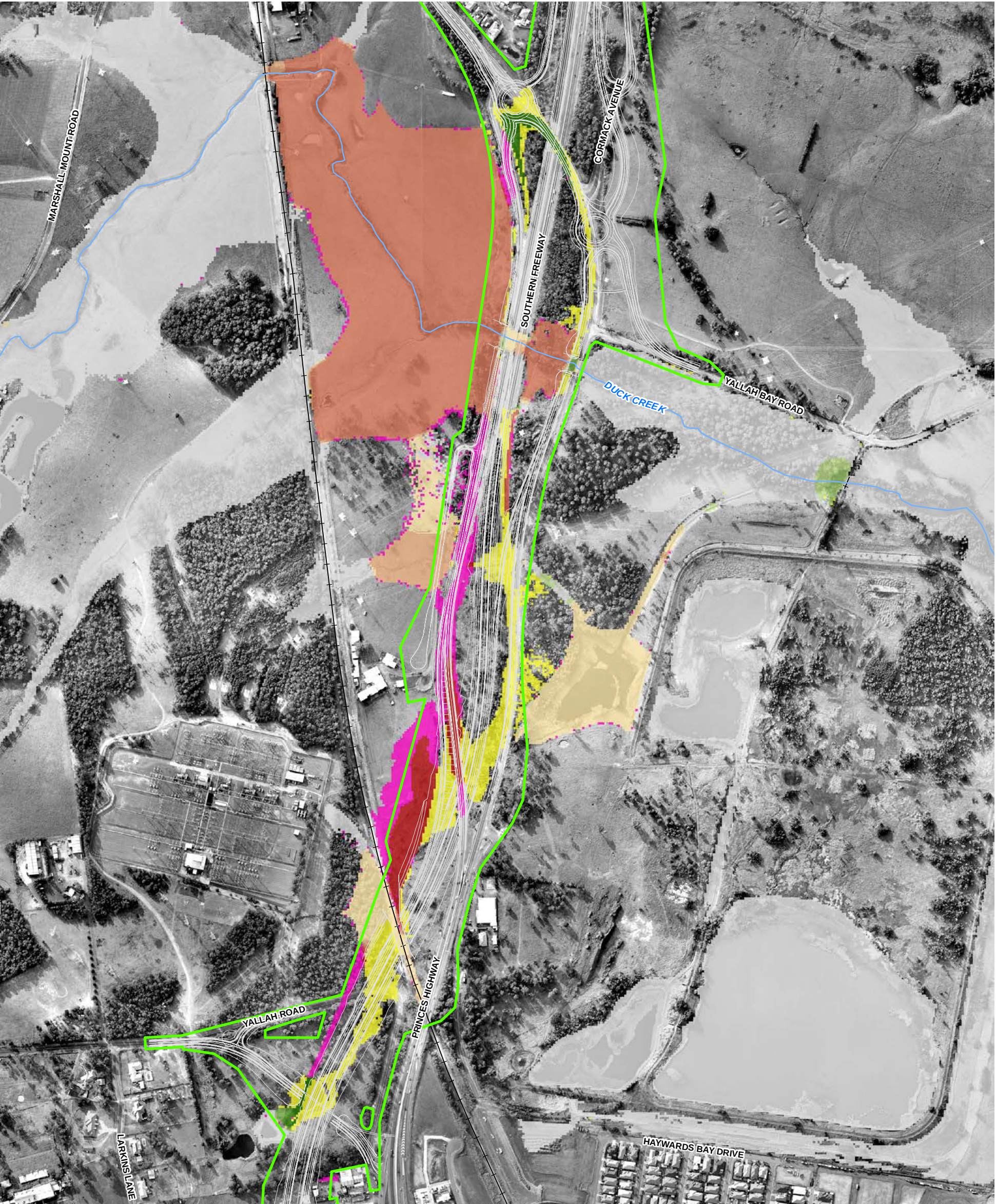
Cardno

JOINT VENTURE

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015

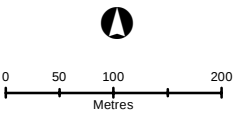


LEGEND

- 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

1:7,000 @ A3

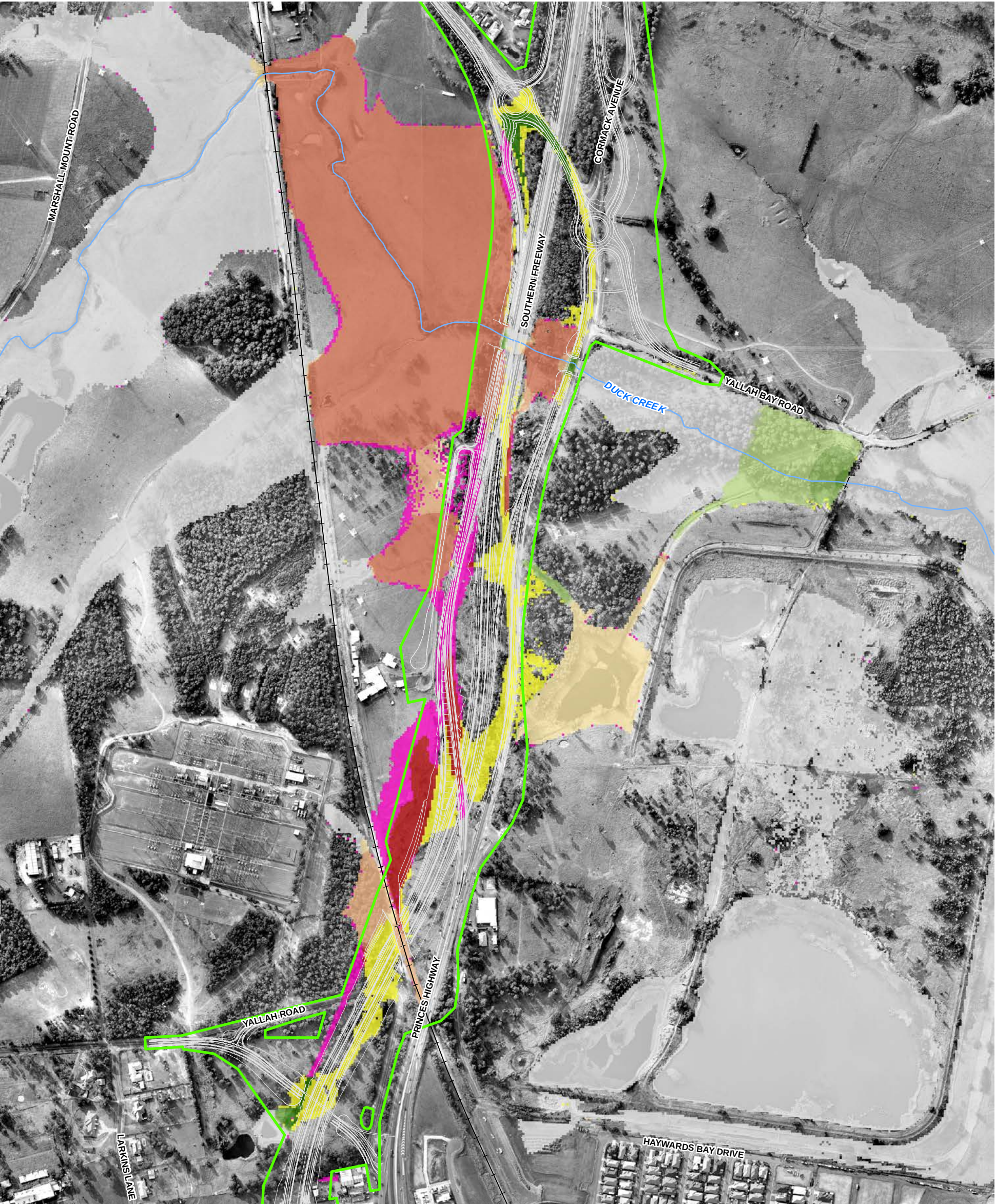


DUCK CREEK 50 YEAR CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56
REVISION NUMBER: 02
AUTHOR: RNB
DATE: AUGUST 4, 2015





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

DUCK CREEK 100 YEAR CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200
Metres

COORDINATE SYSTEM:
GDA 1994 MGA ZONE 56

REVISION NUMBER: 02
AUTHOR: RNB

DATE: AUGUST 4, 2015

NSW
GOVERNMENT

Transport
Roads & Maritime
Services

Hyder
JOINT VENTURE

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

DUCK CREEK 200 YEAR CHANGE IN WATER LEVEL

ALBION PARK RAIL BYPASS
NSW ROADS AND MARITIME SERVICES

1:7,000 @ A3

0 50 100 200

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 4, 2015