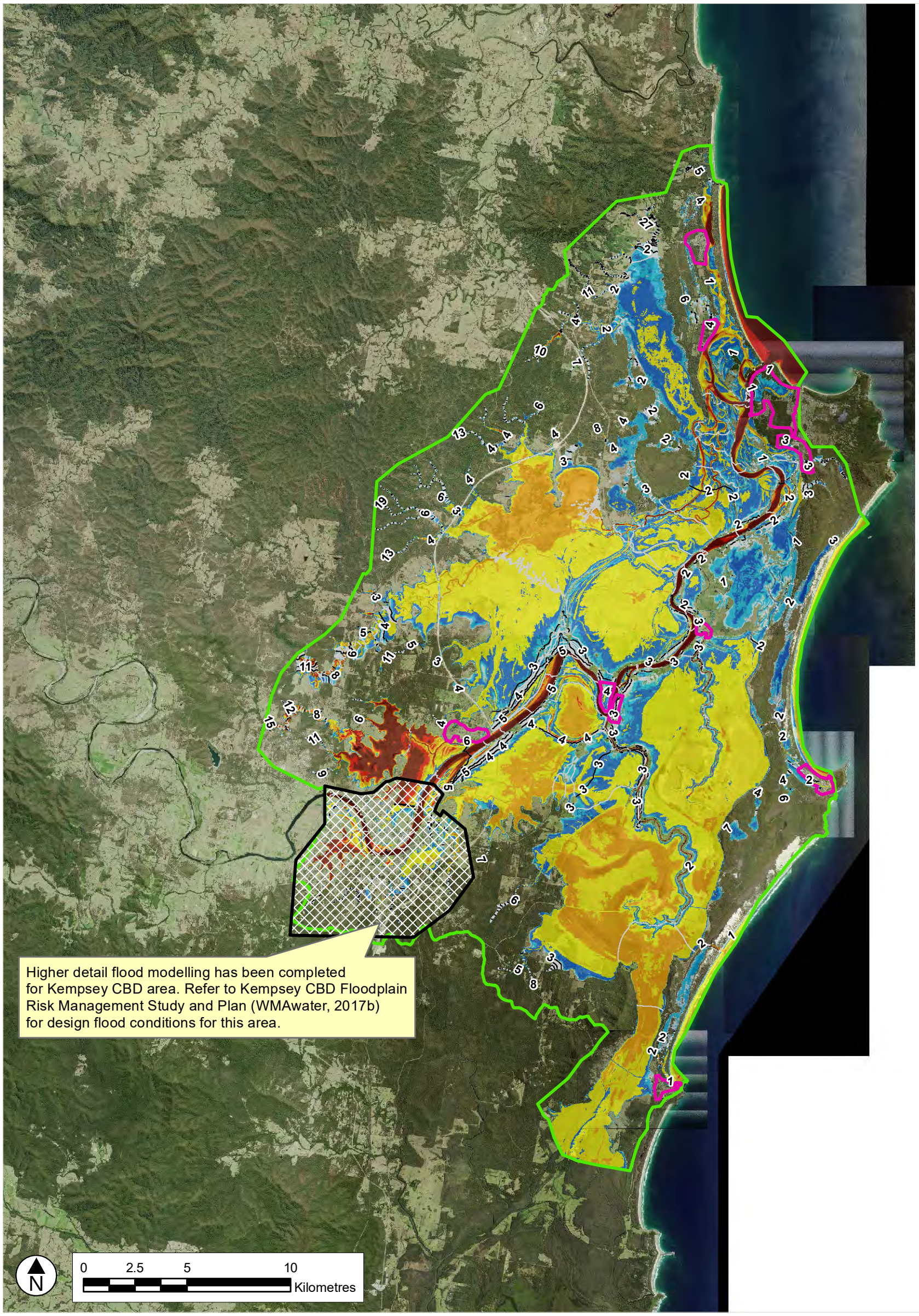
Appendix F. Design Event Results and Mapping



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-1	1	1
CHECK	DATE			
AH	10/09/2019			

GIS MAP file : IA176800_R04_FigF-1_5y_d_h_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

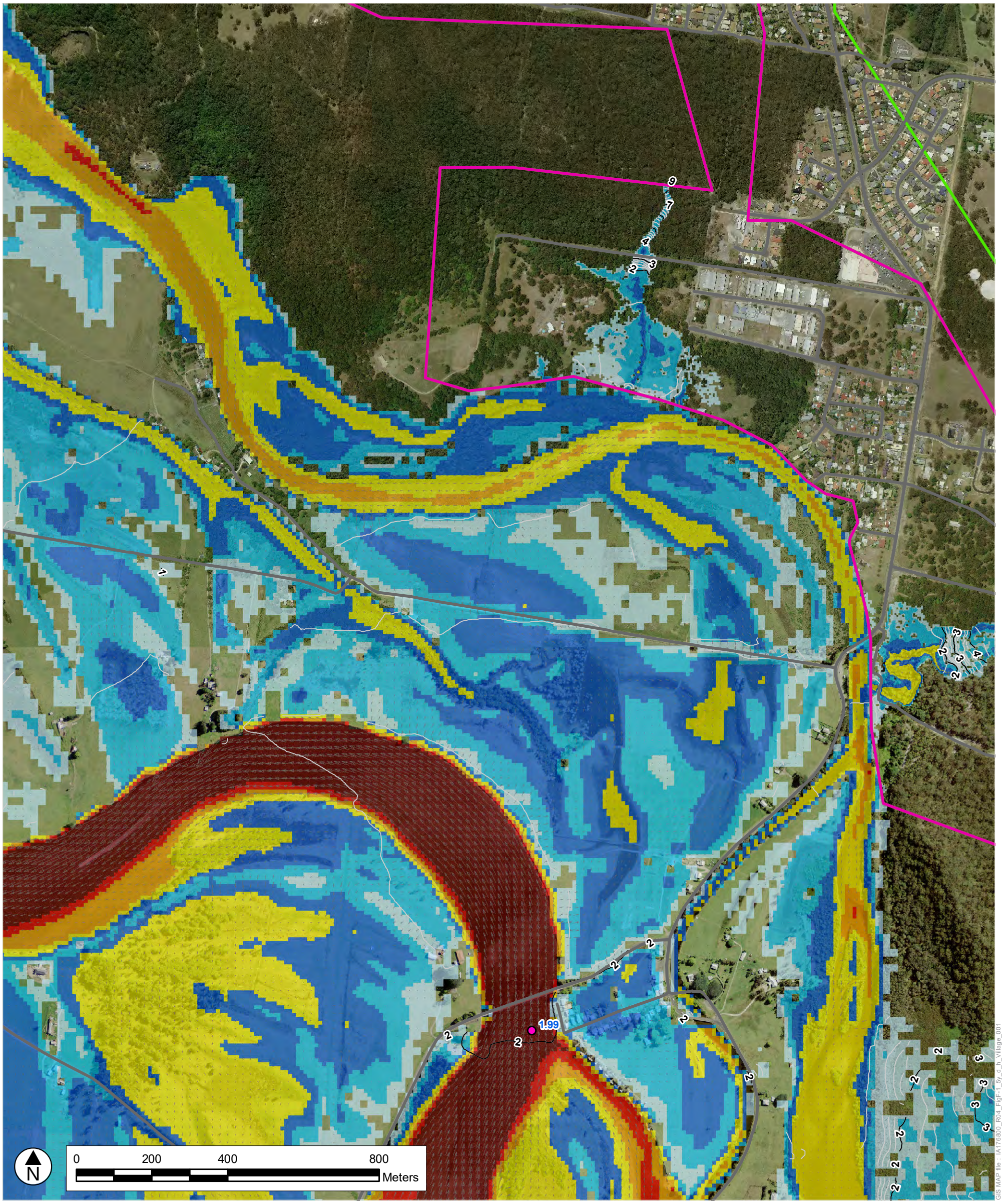
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(A)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

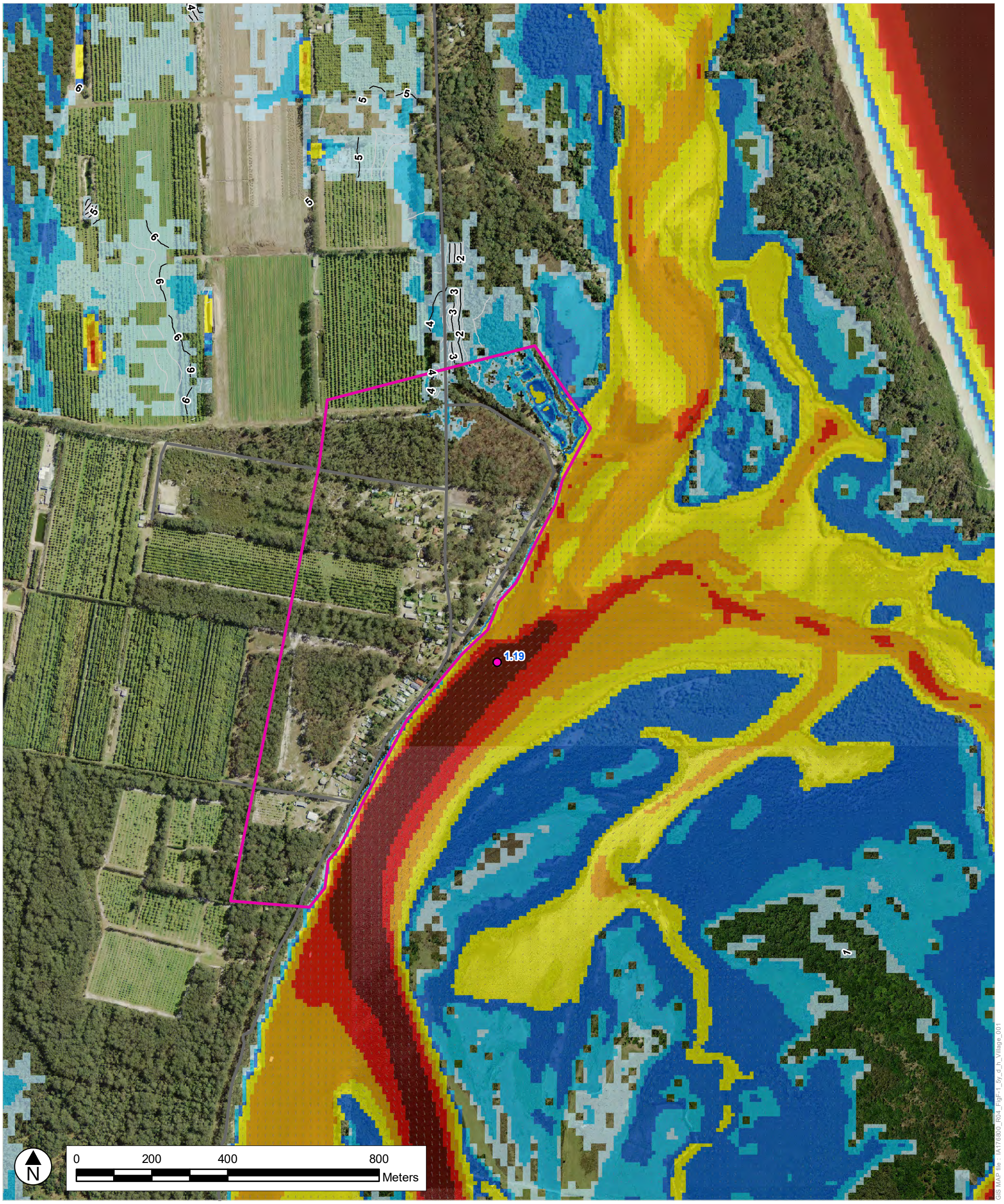
GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(B)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file - IA176800_R04_FigF-1_5y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

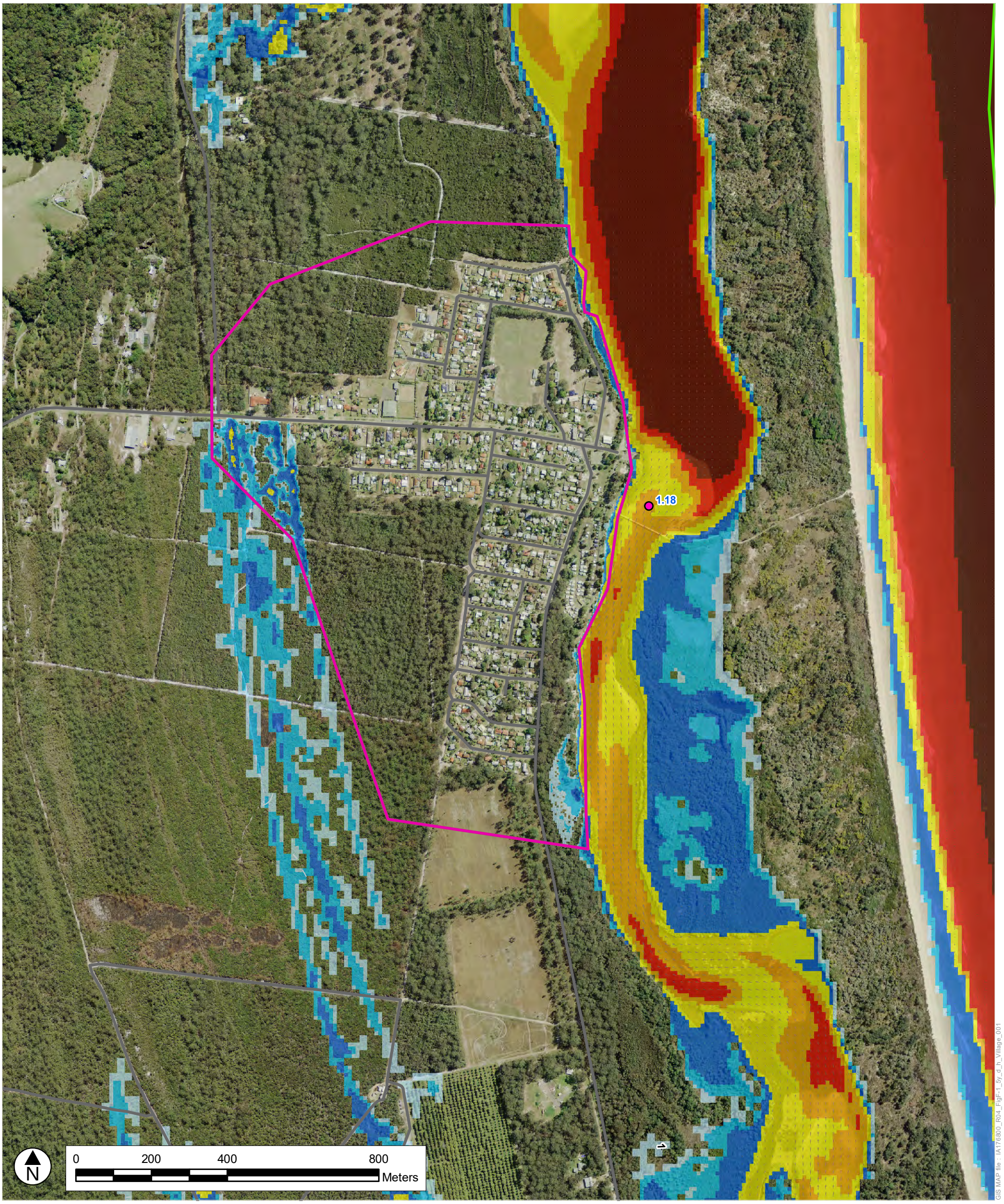
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(C)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

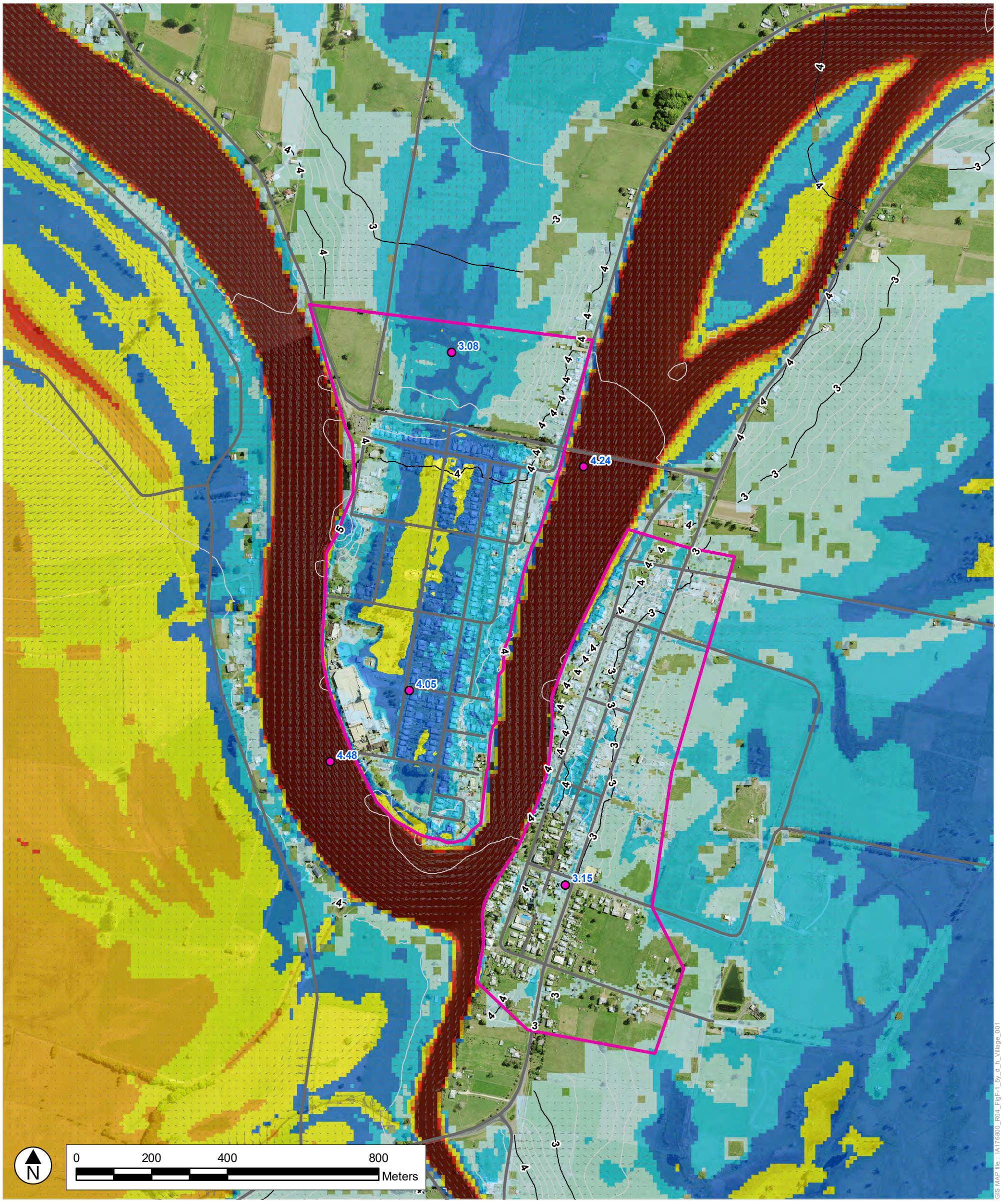
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(D)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

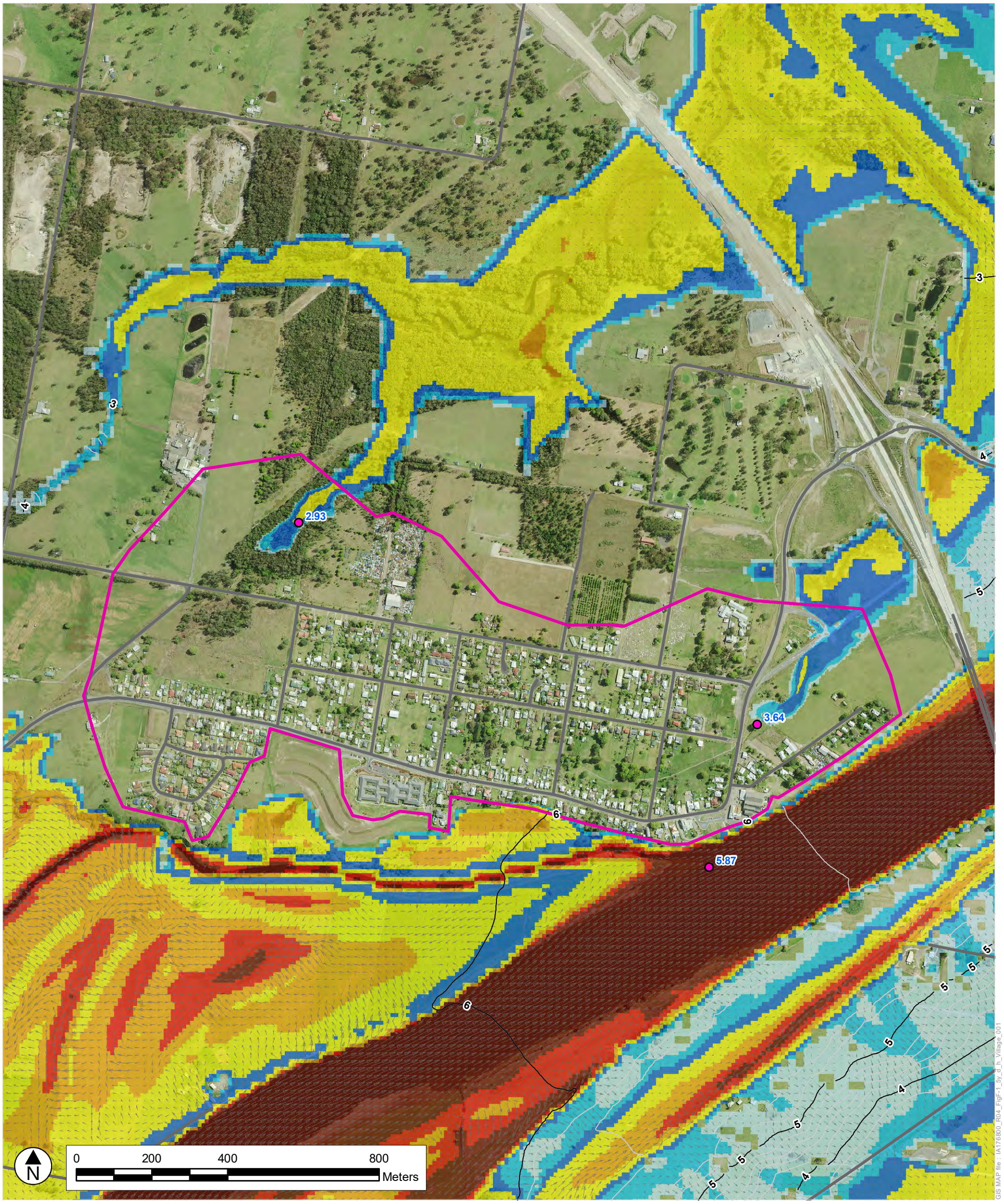
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(E)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-1_5y_d_h_Village_001

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

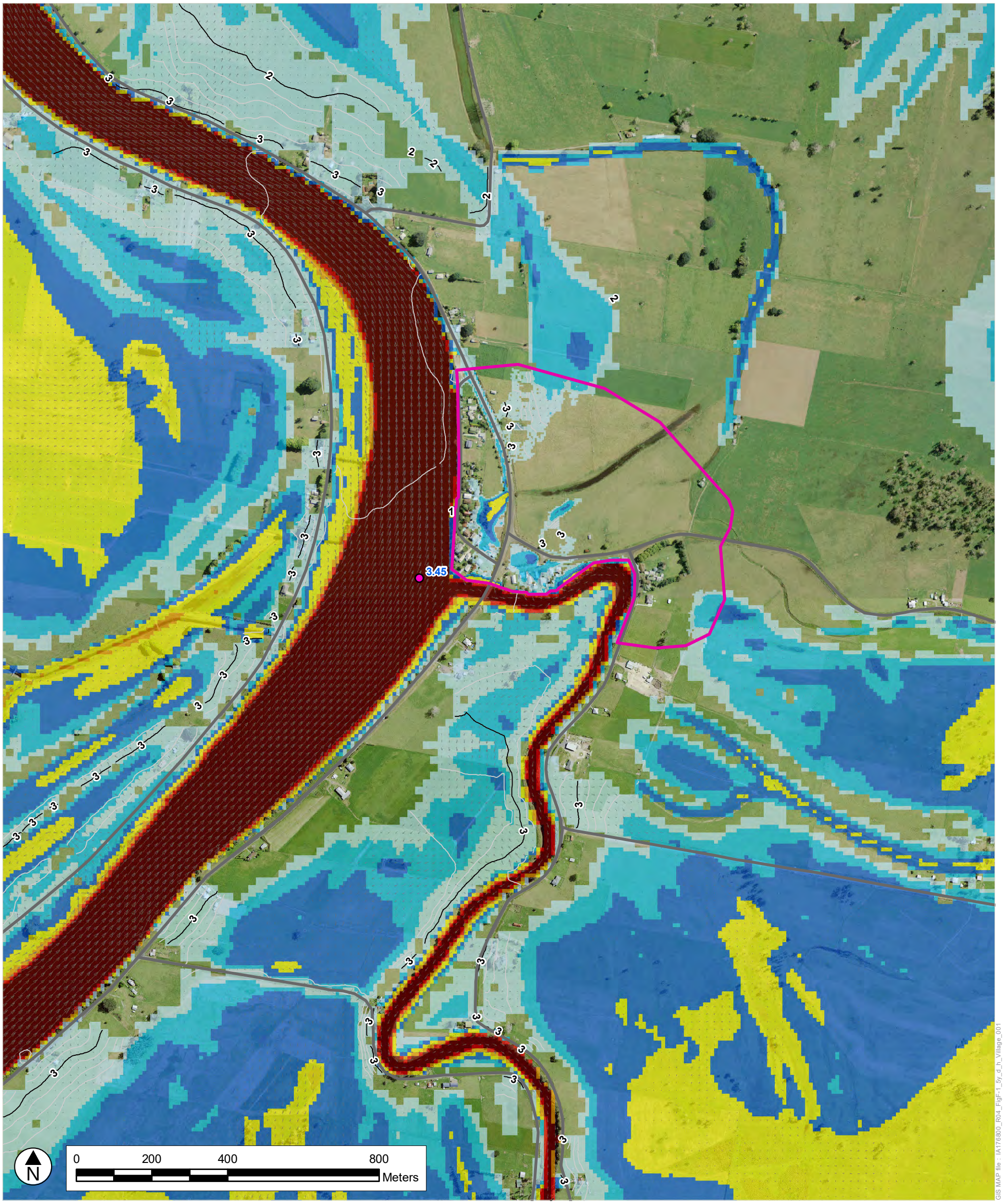
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(F)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

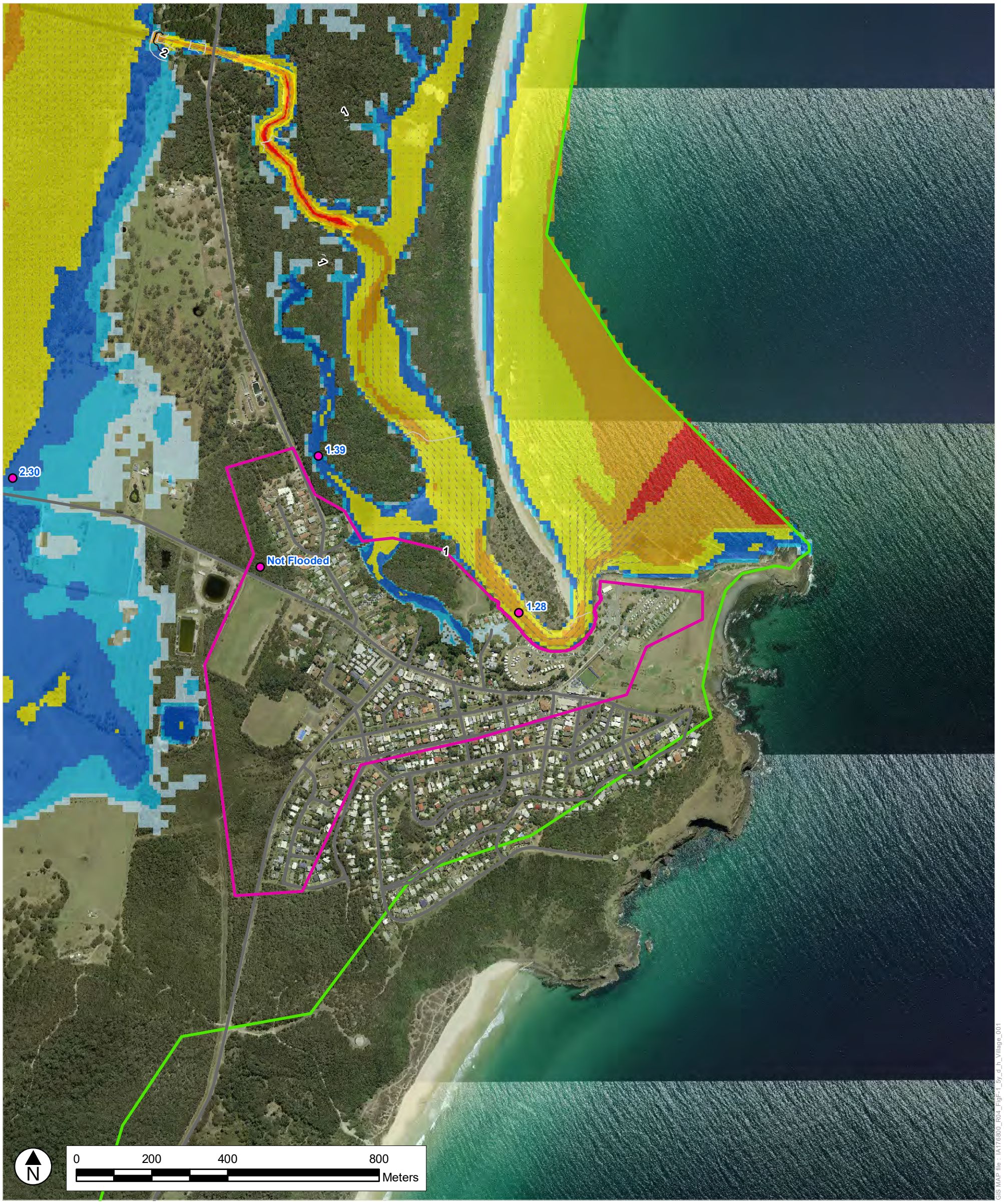
GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(G)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-1_5y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

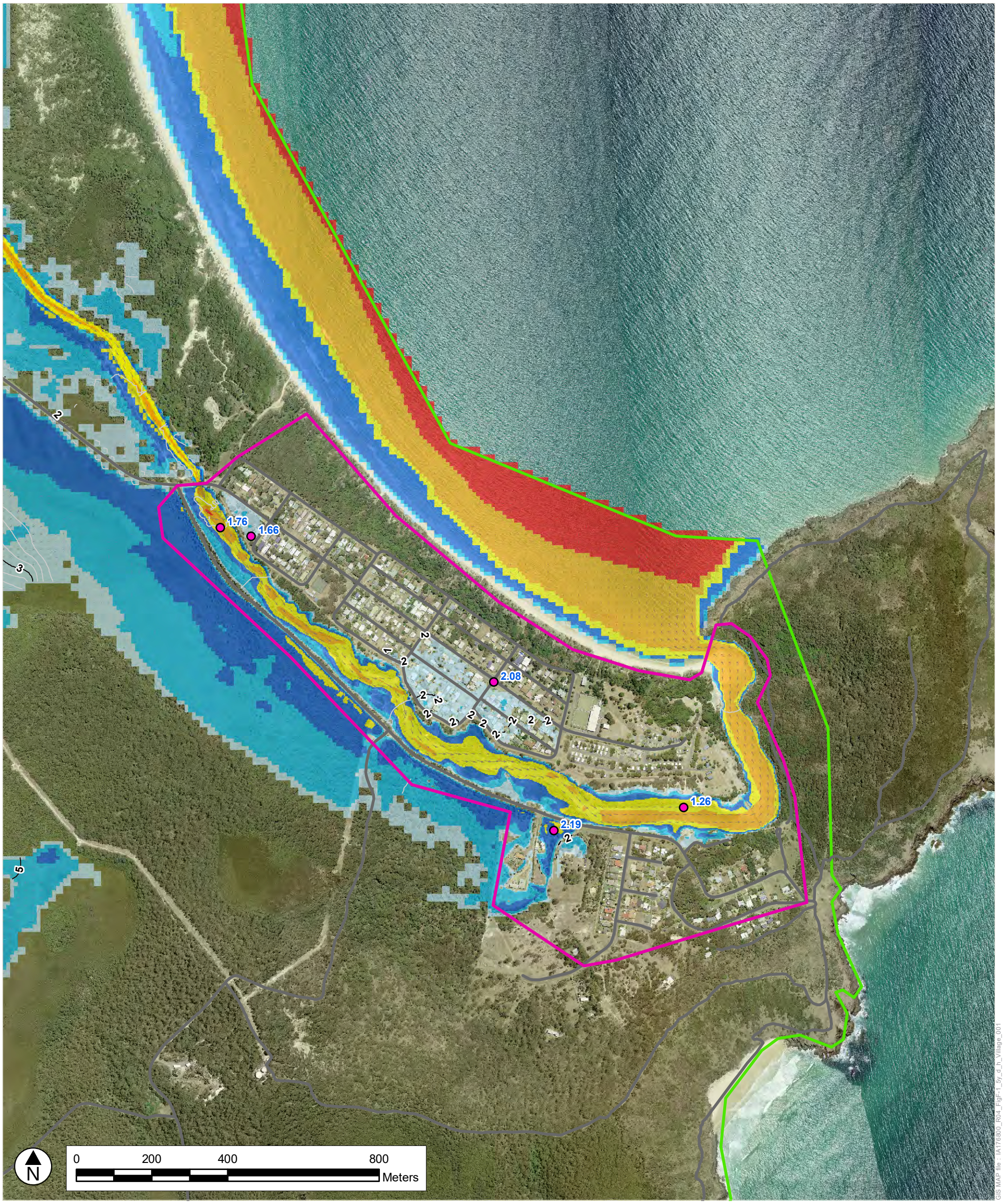
GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(H)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-1_5y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

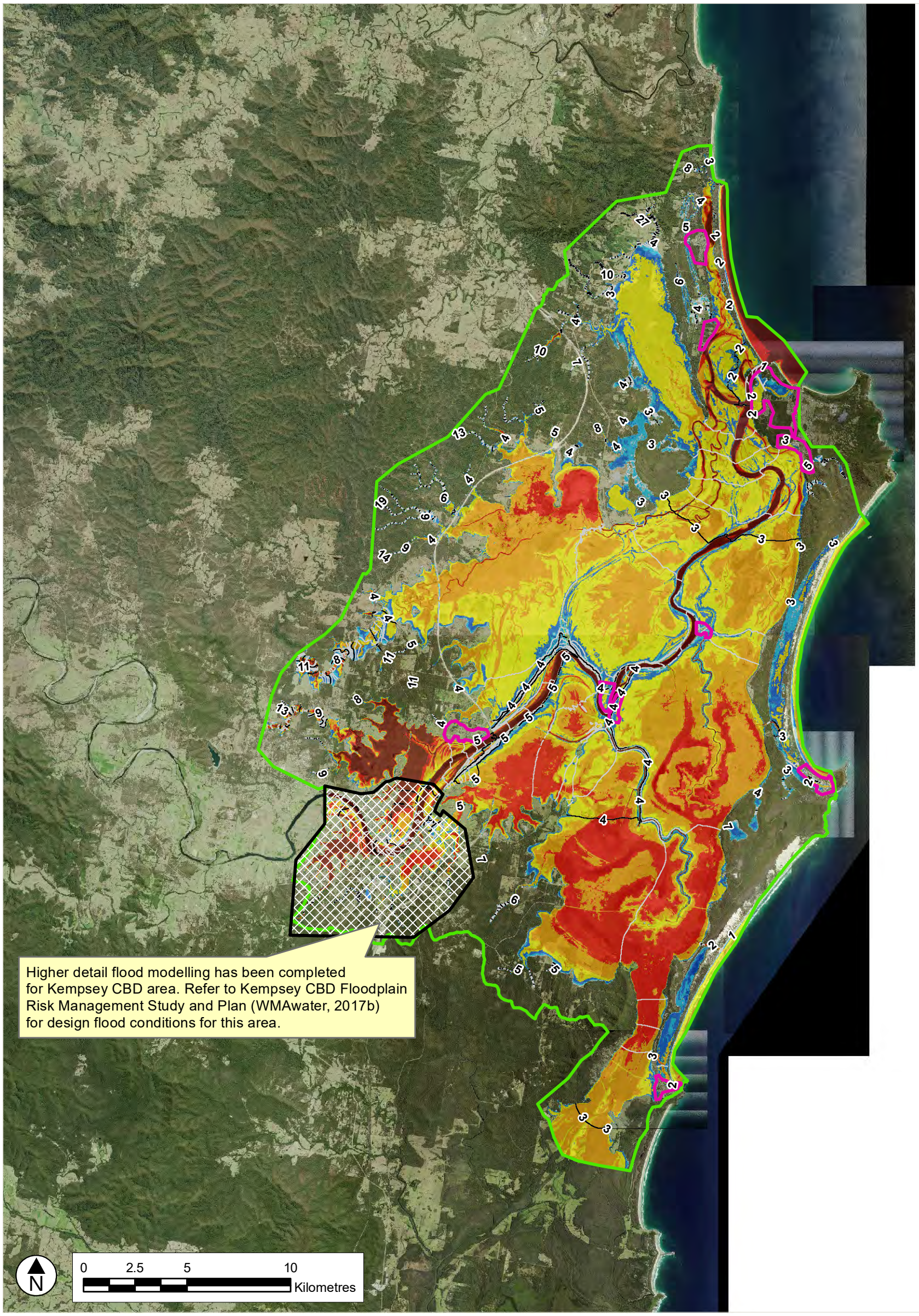
GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Depth and Level
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-1(I)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-1_5y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-2	1	1
CHECK	DATE			
AH	9/09/2019			

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

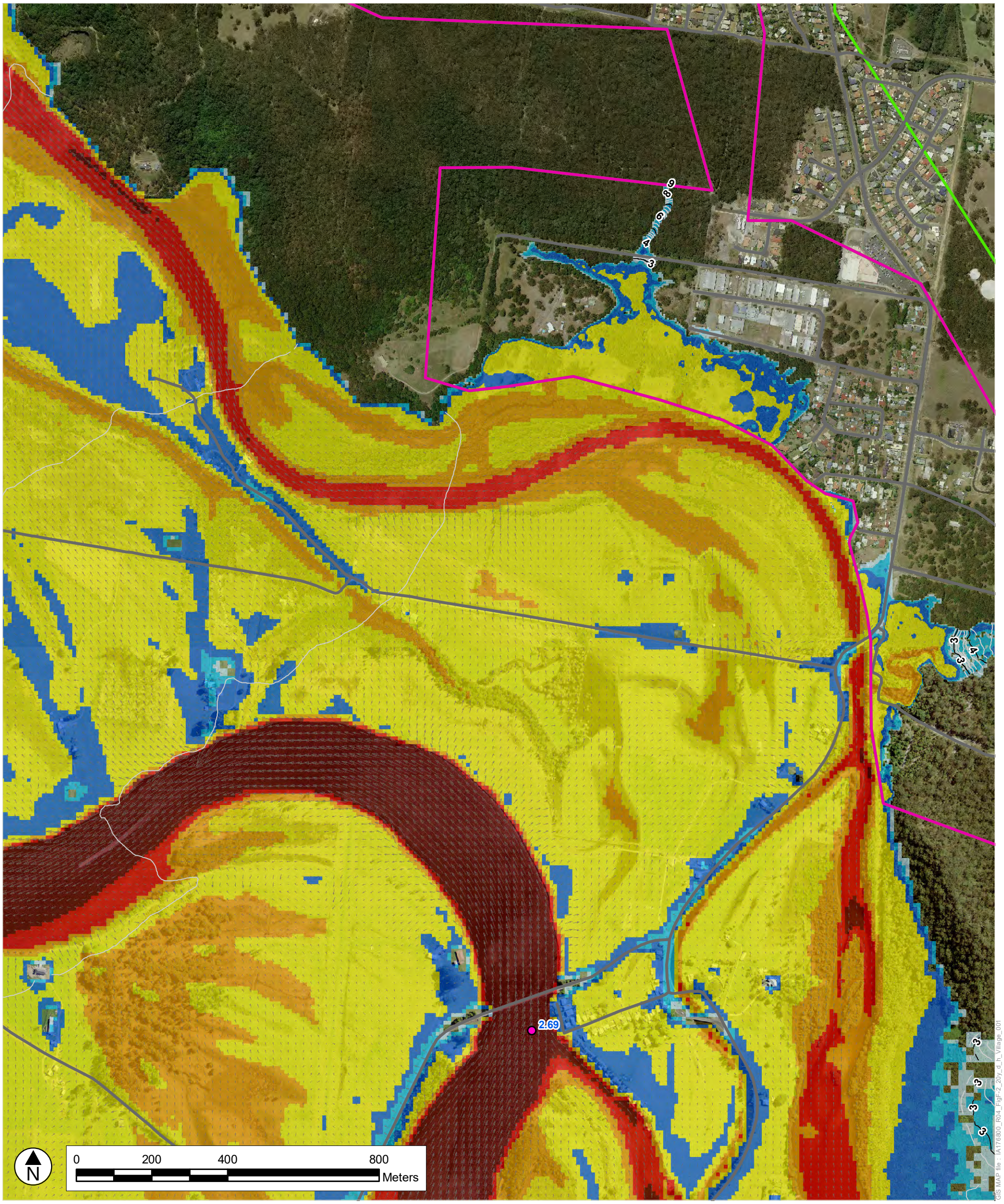
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(A)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

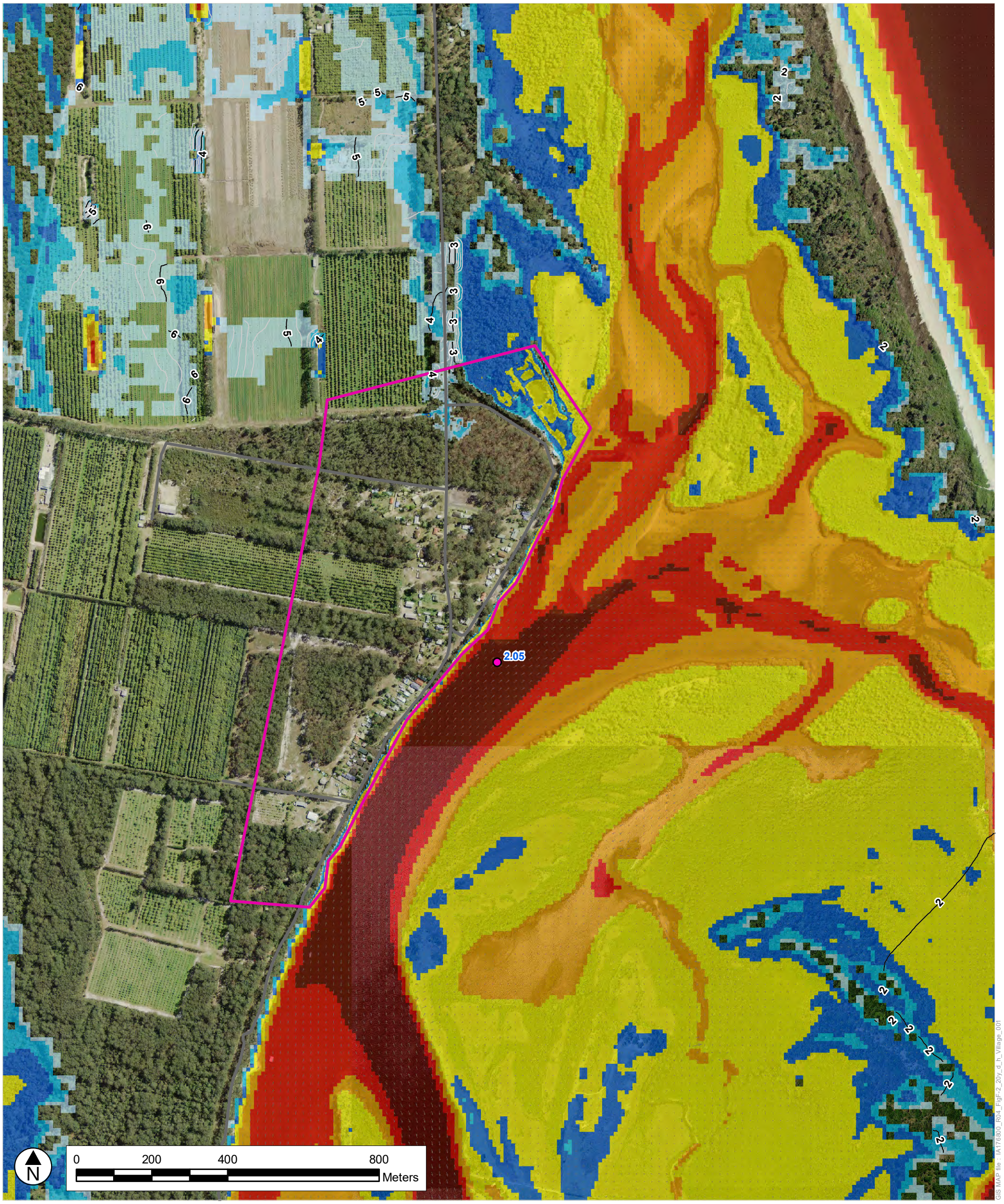
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(B)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

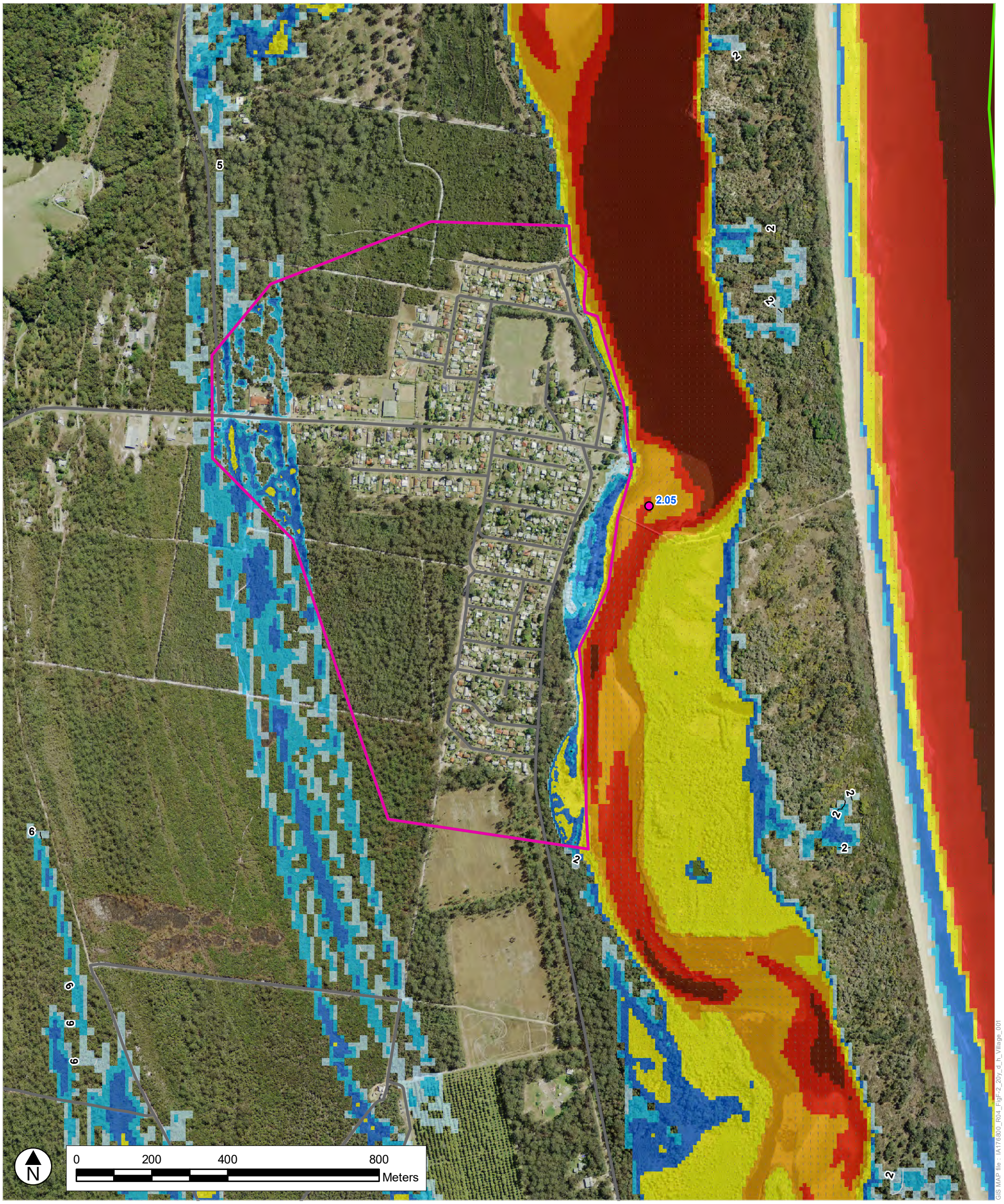
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(C)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

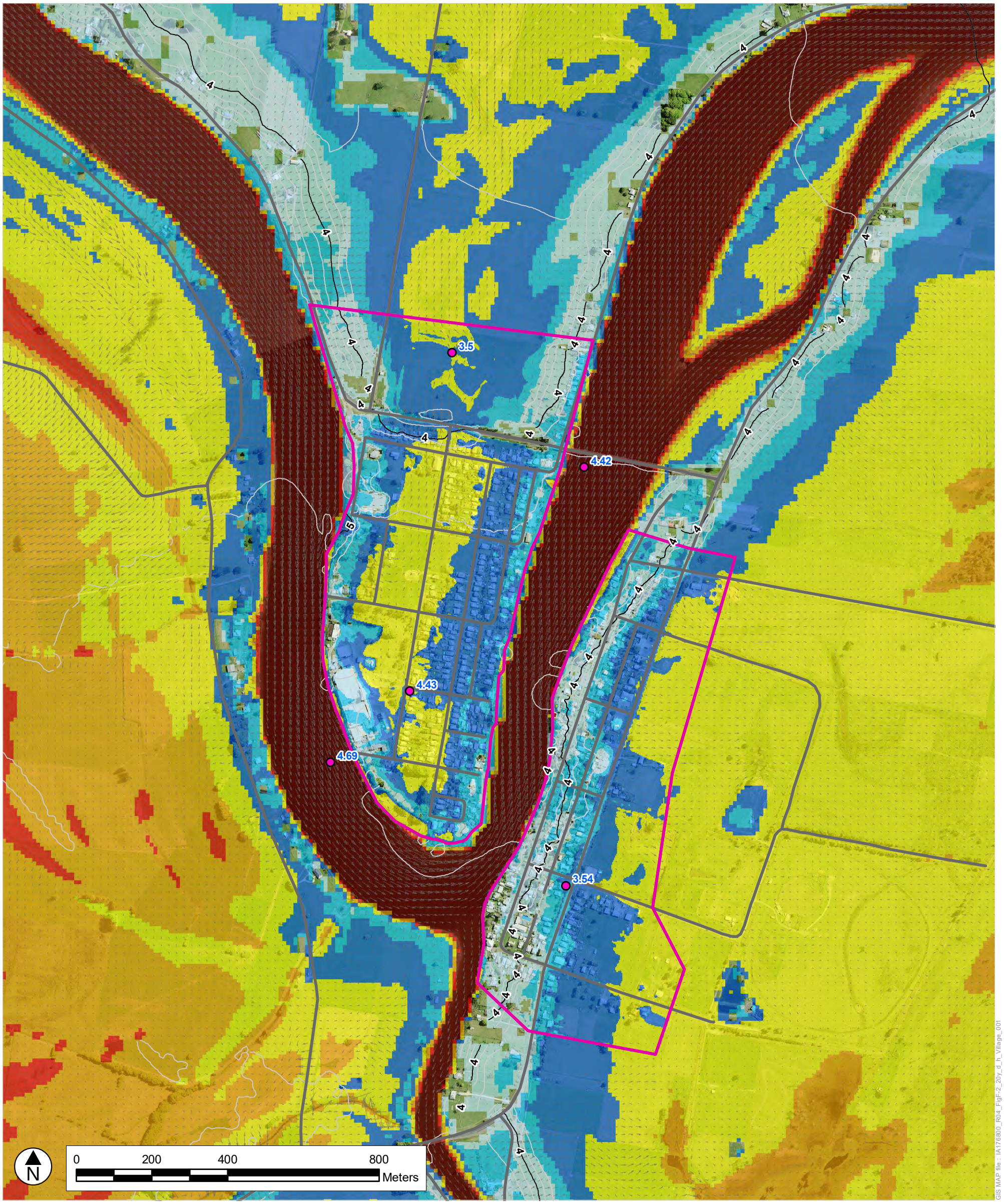
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(D)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

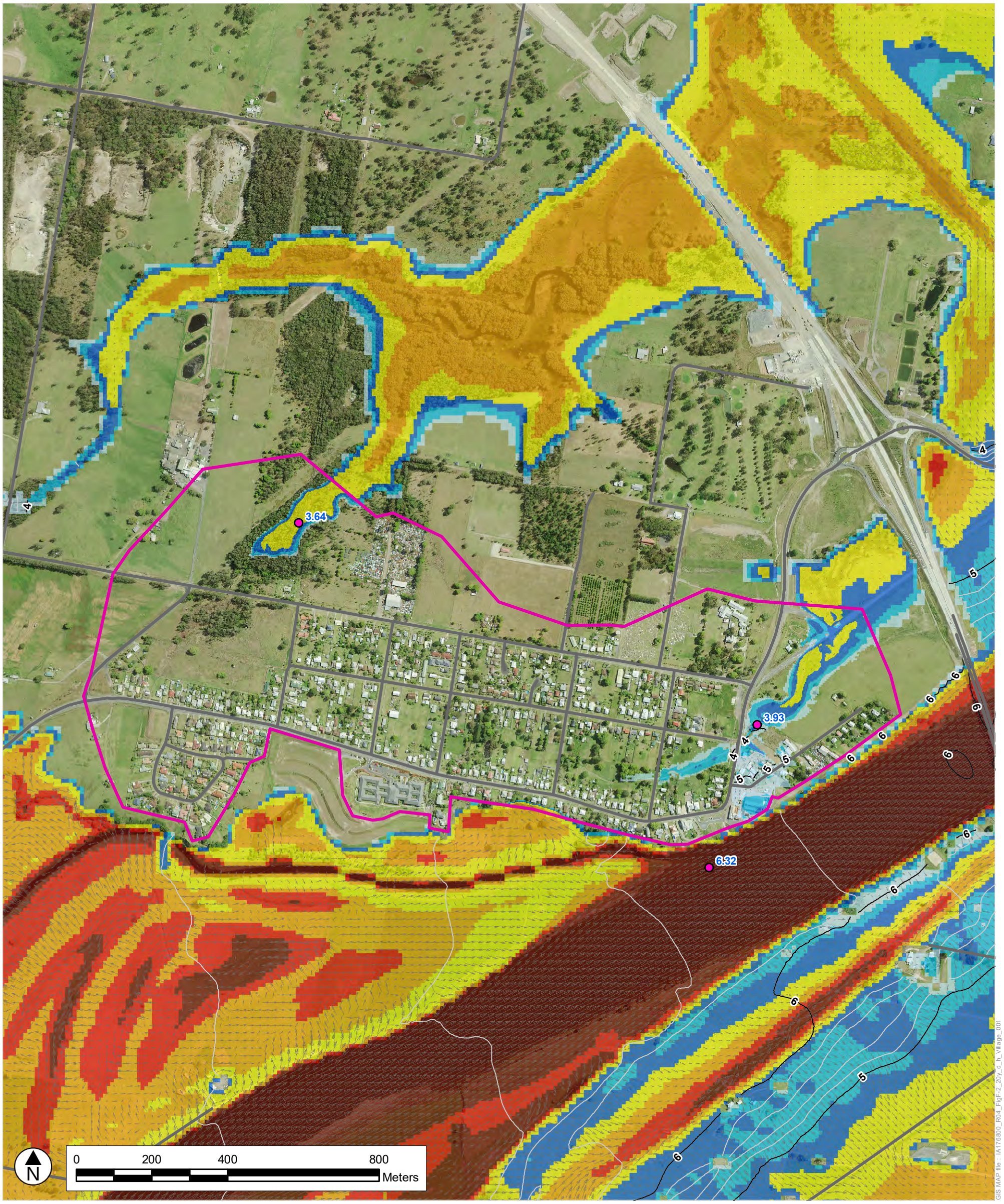
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(E)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

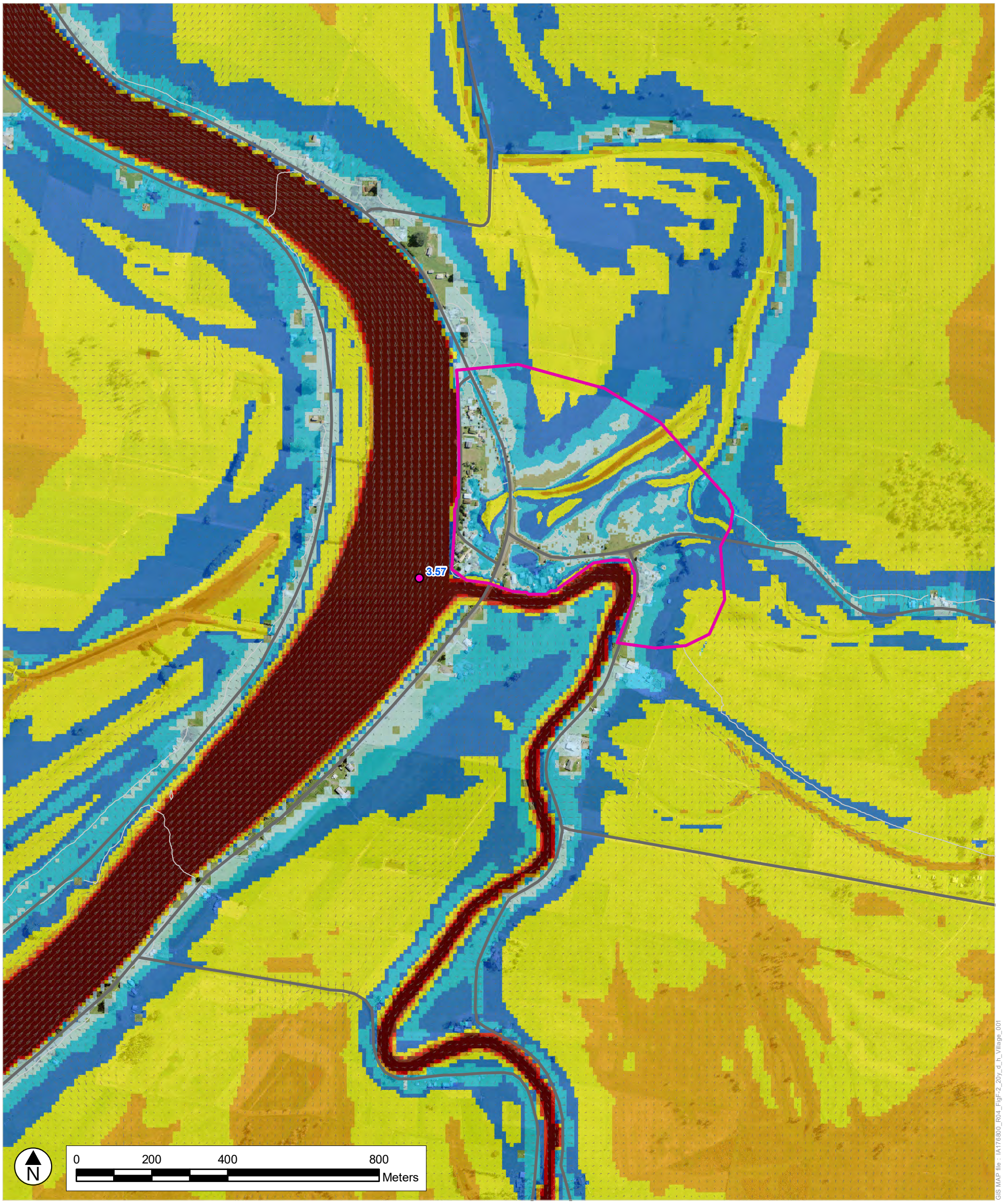
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(F)
CHECK	DATE	
AH	9/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

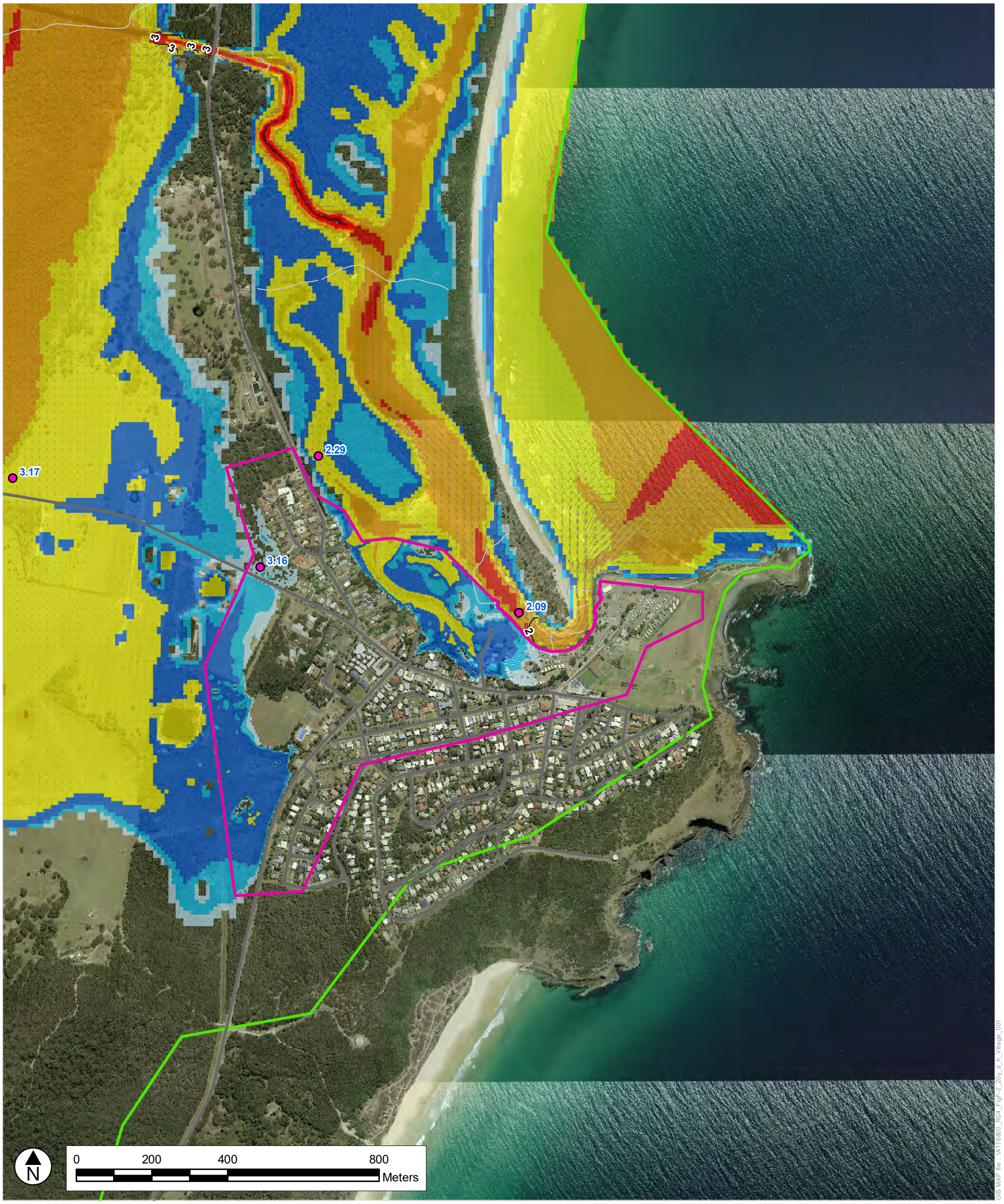
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(G)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

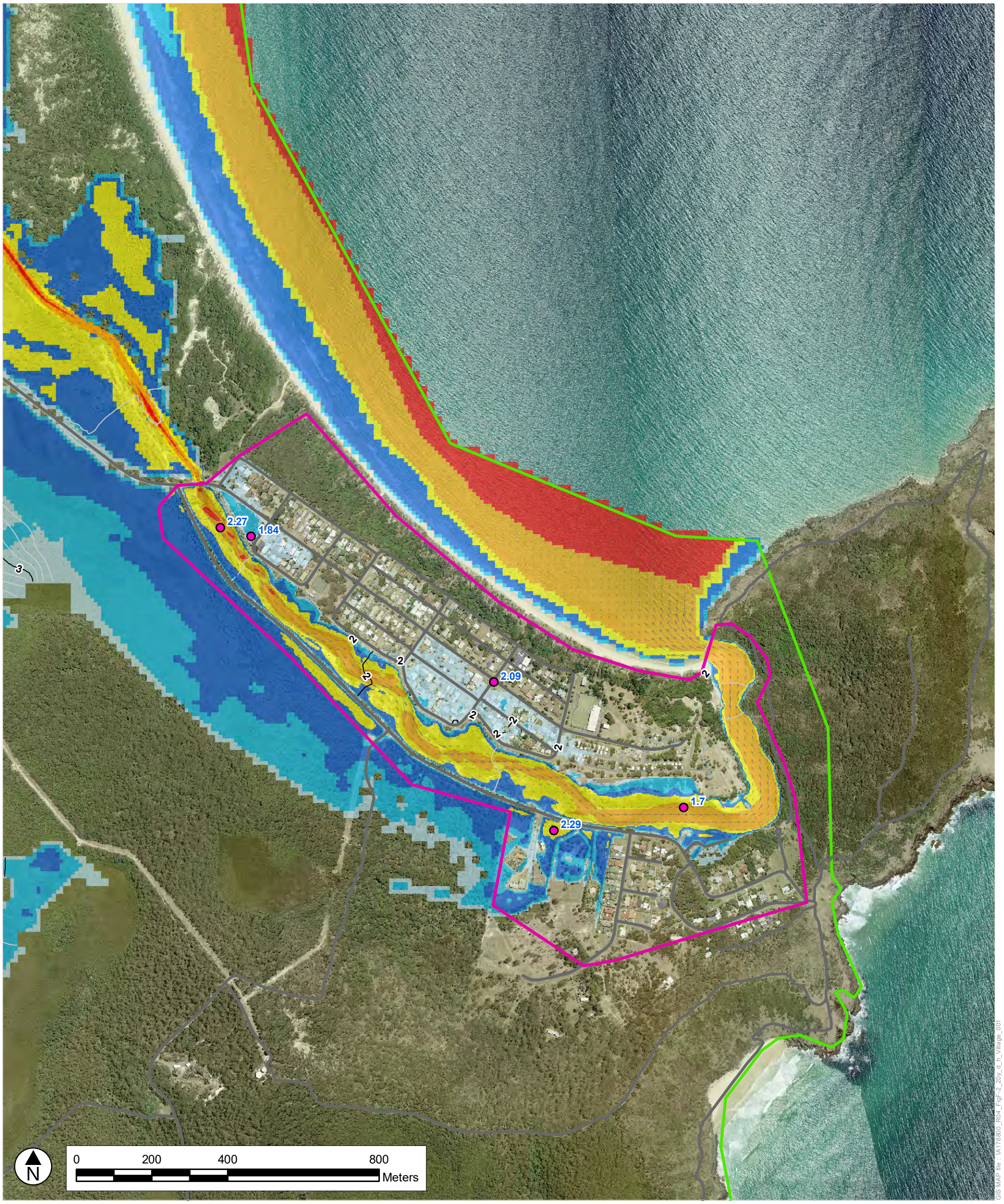
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(H)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

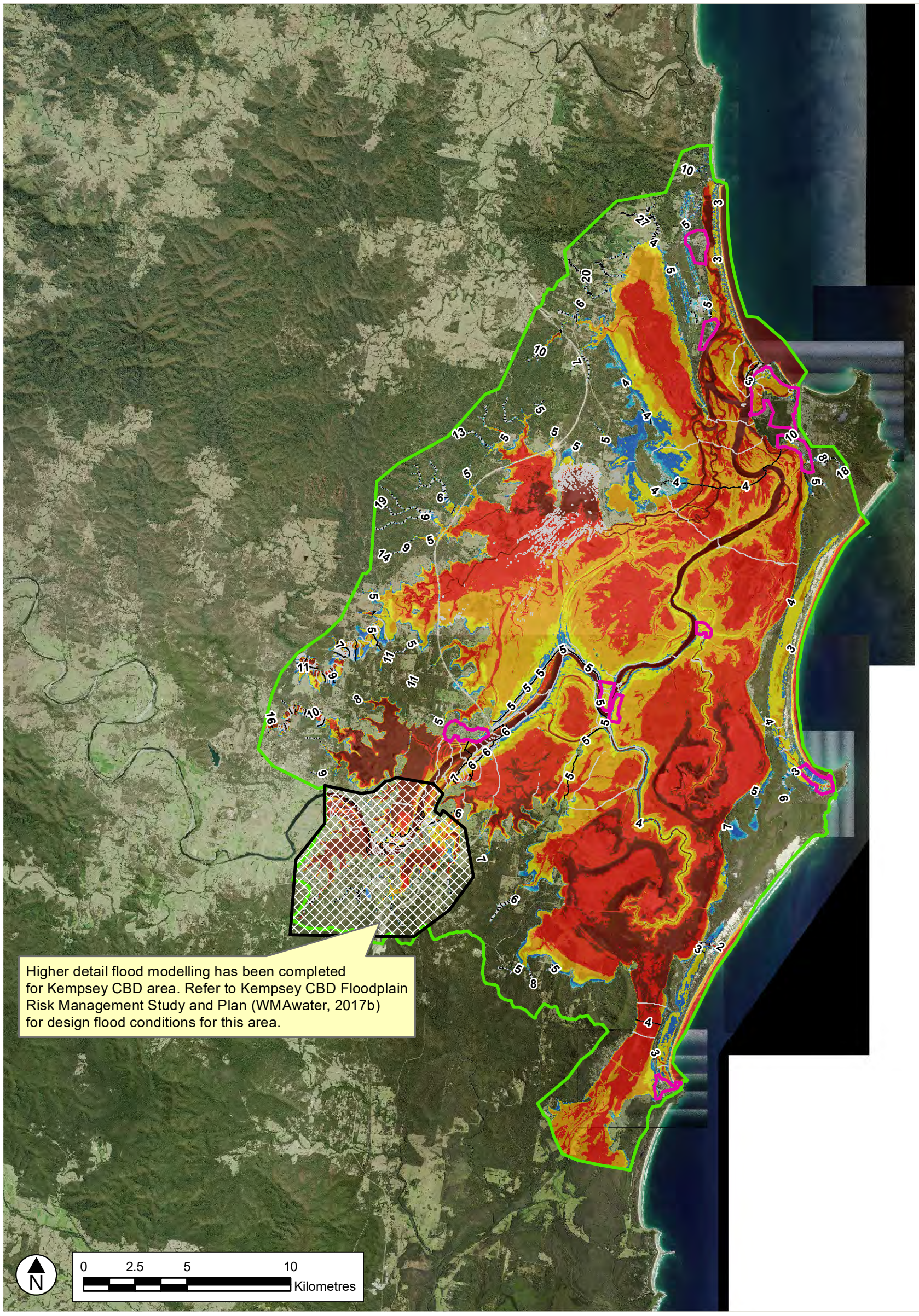
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flood Depth and Level
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-2(I)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file - IA176800_R04_Fig F-2_20y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-3	1	1
CHECK	DATE			
AH	31/08/2019			

GIS MAP file : IA176800_R04_FigF-3_100y_d_h_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

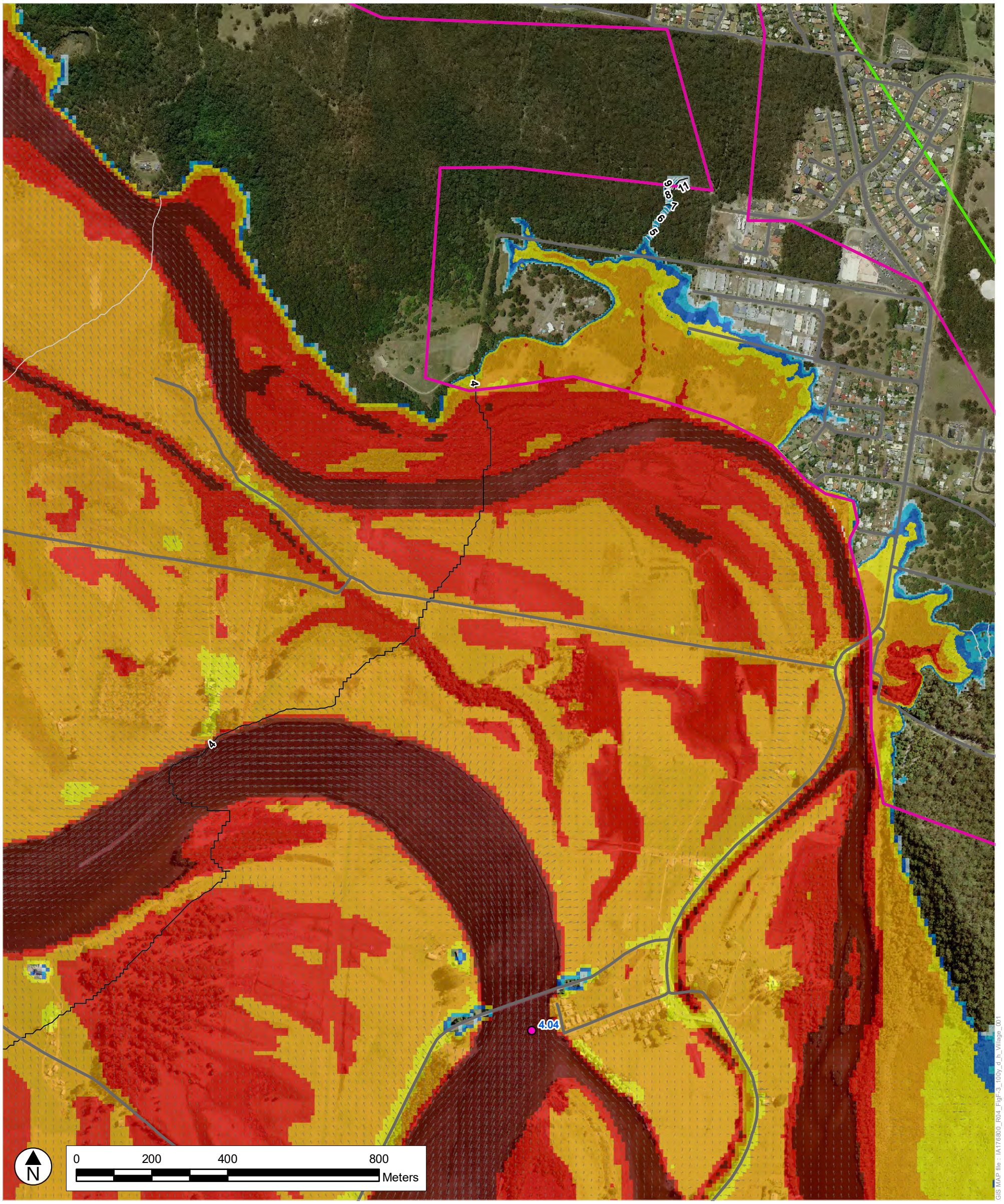
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(A)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-3_100y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

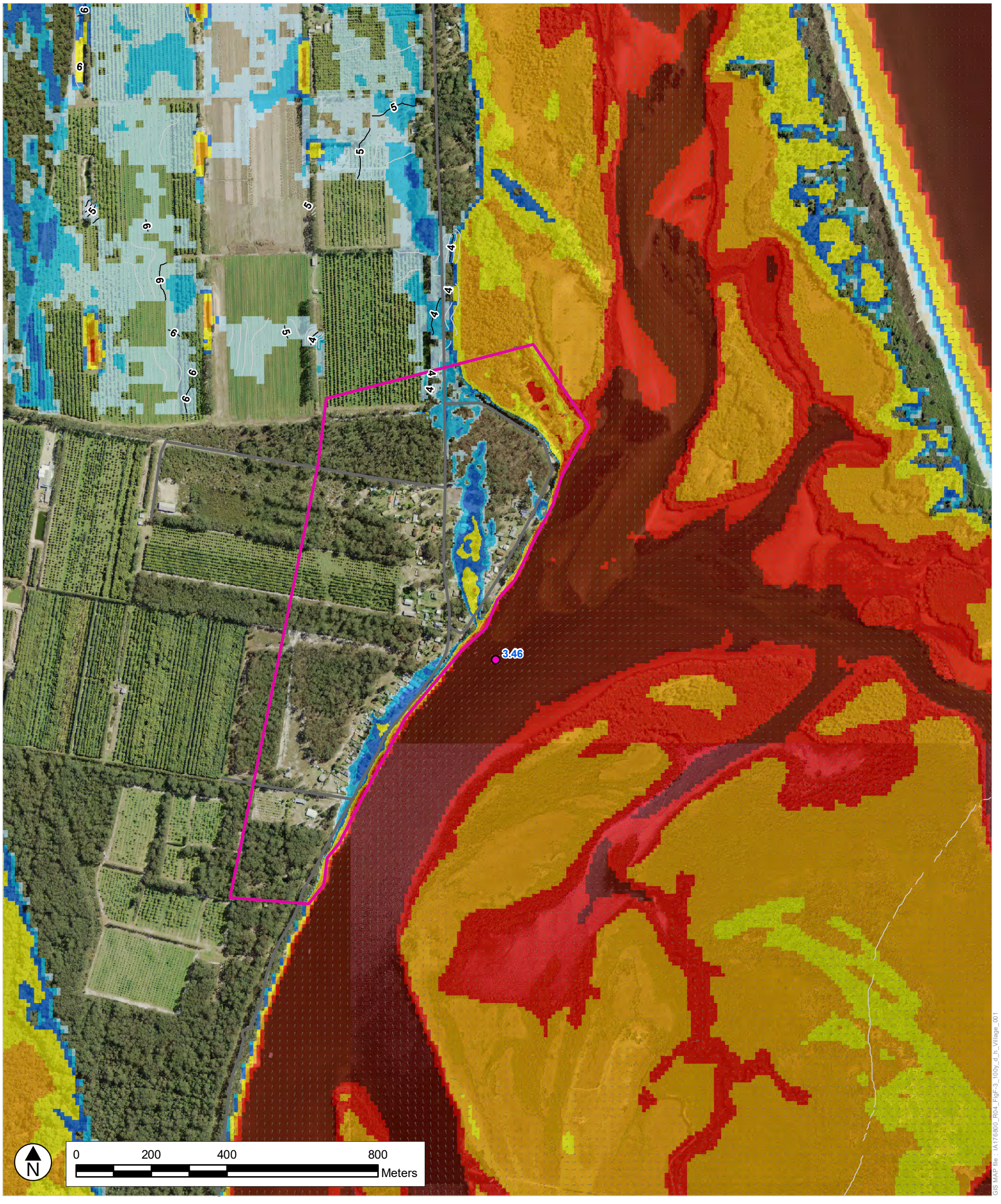
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(B)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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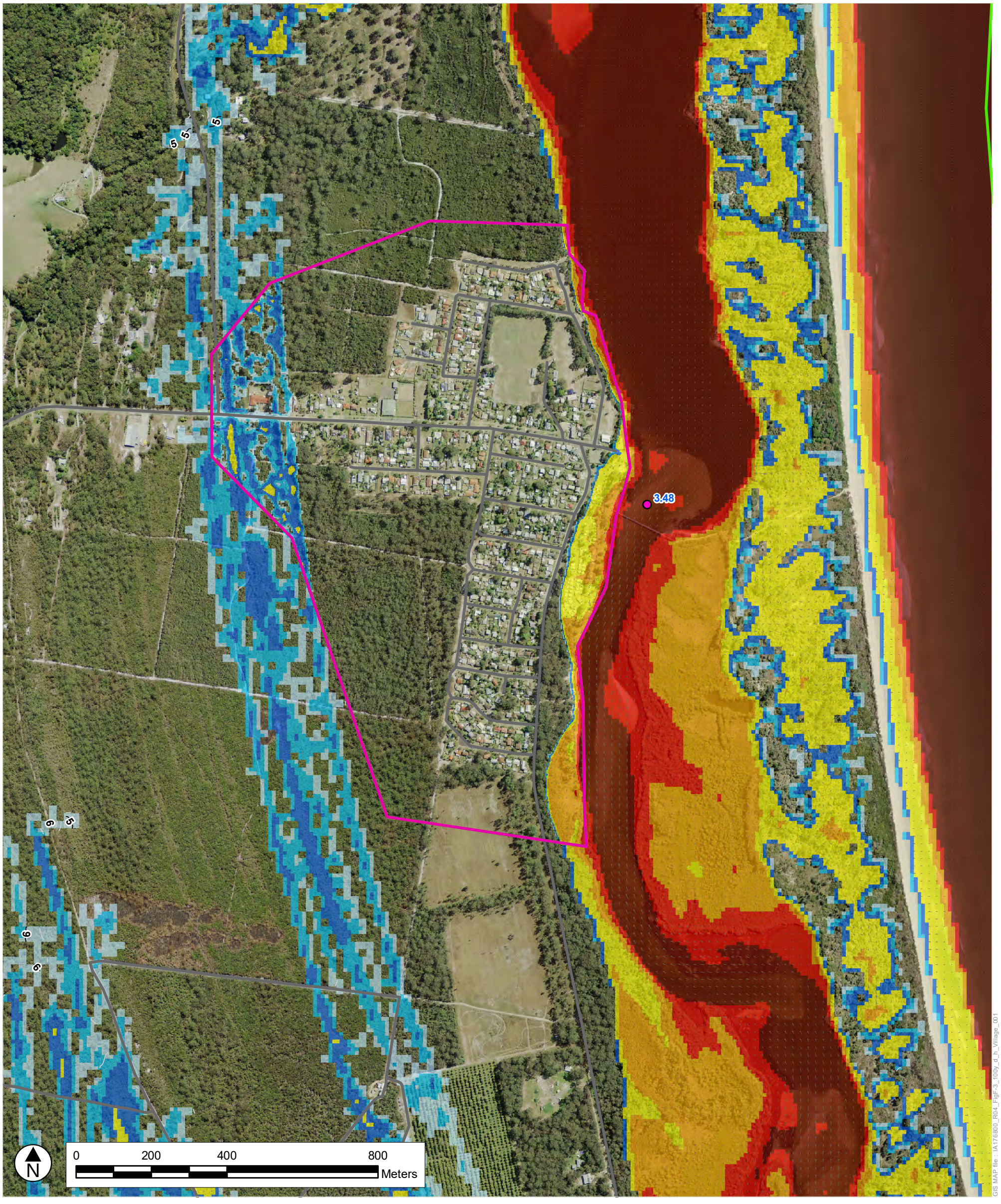
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(C)
CHECK	DATE	
AH	2/09/2019	



GIS MAP file : IA176800_R04_FigF-3_100y_d_h_Village_001

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

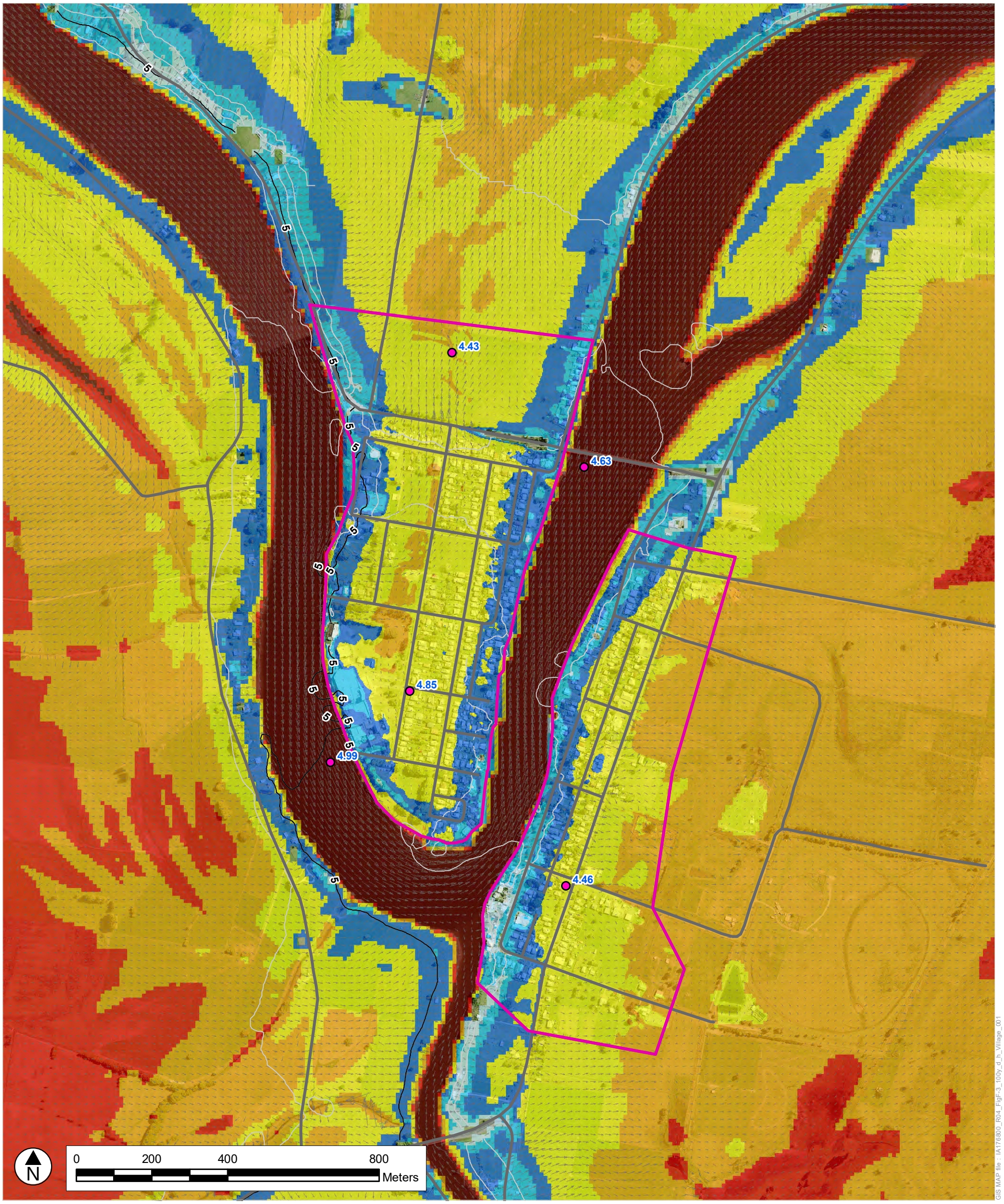
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(D)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

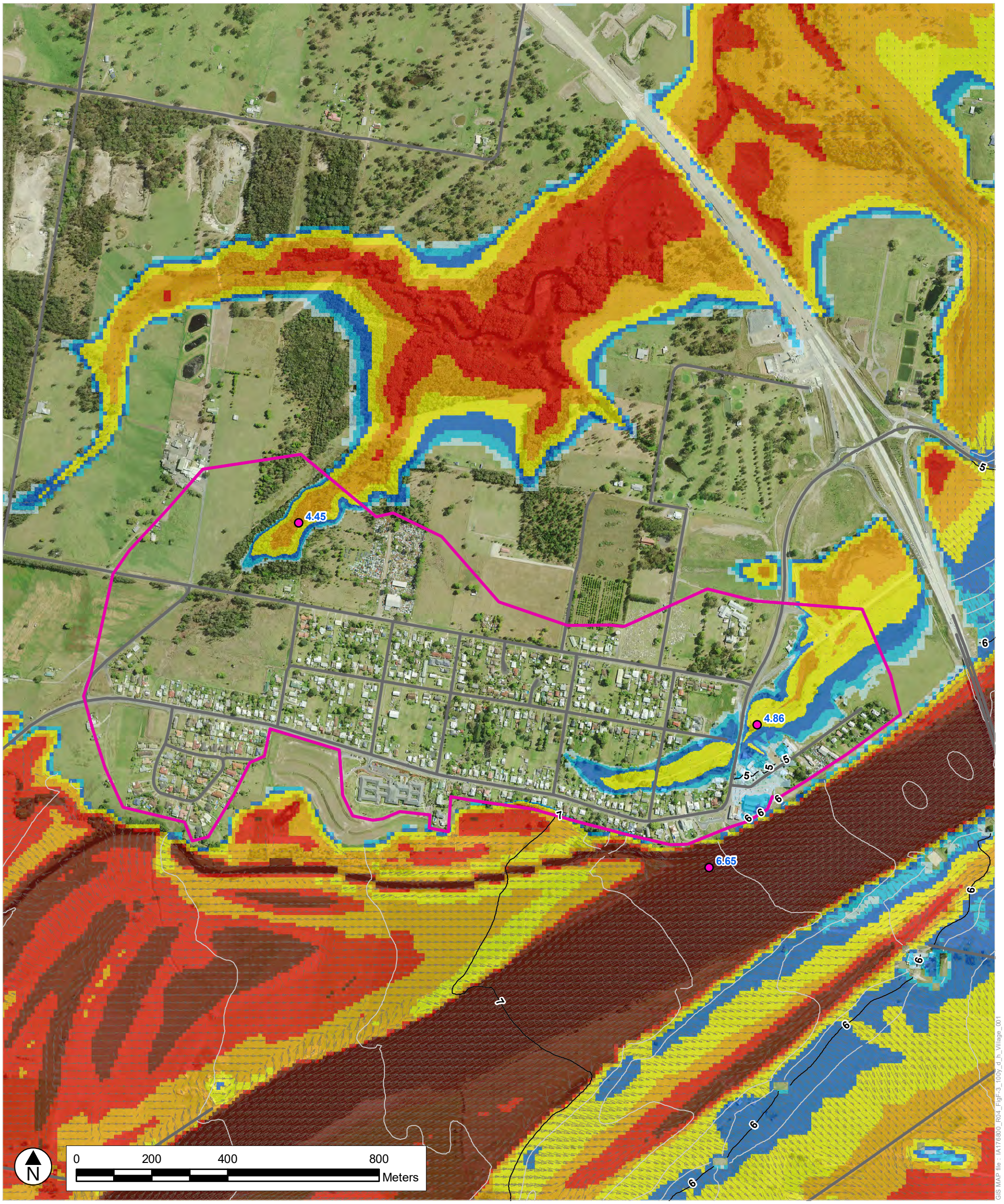
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(E)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-3_100y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

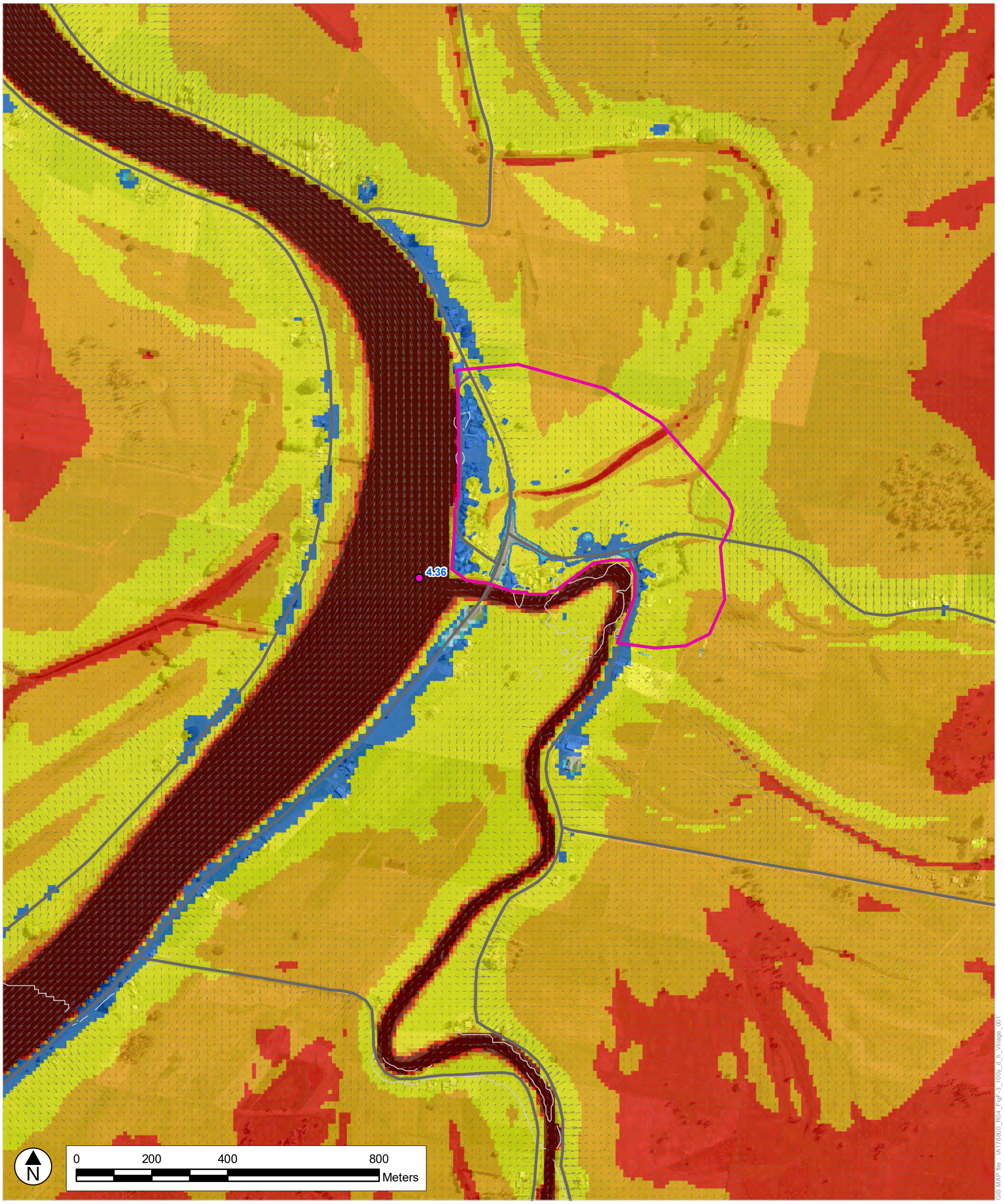
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(F)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

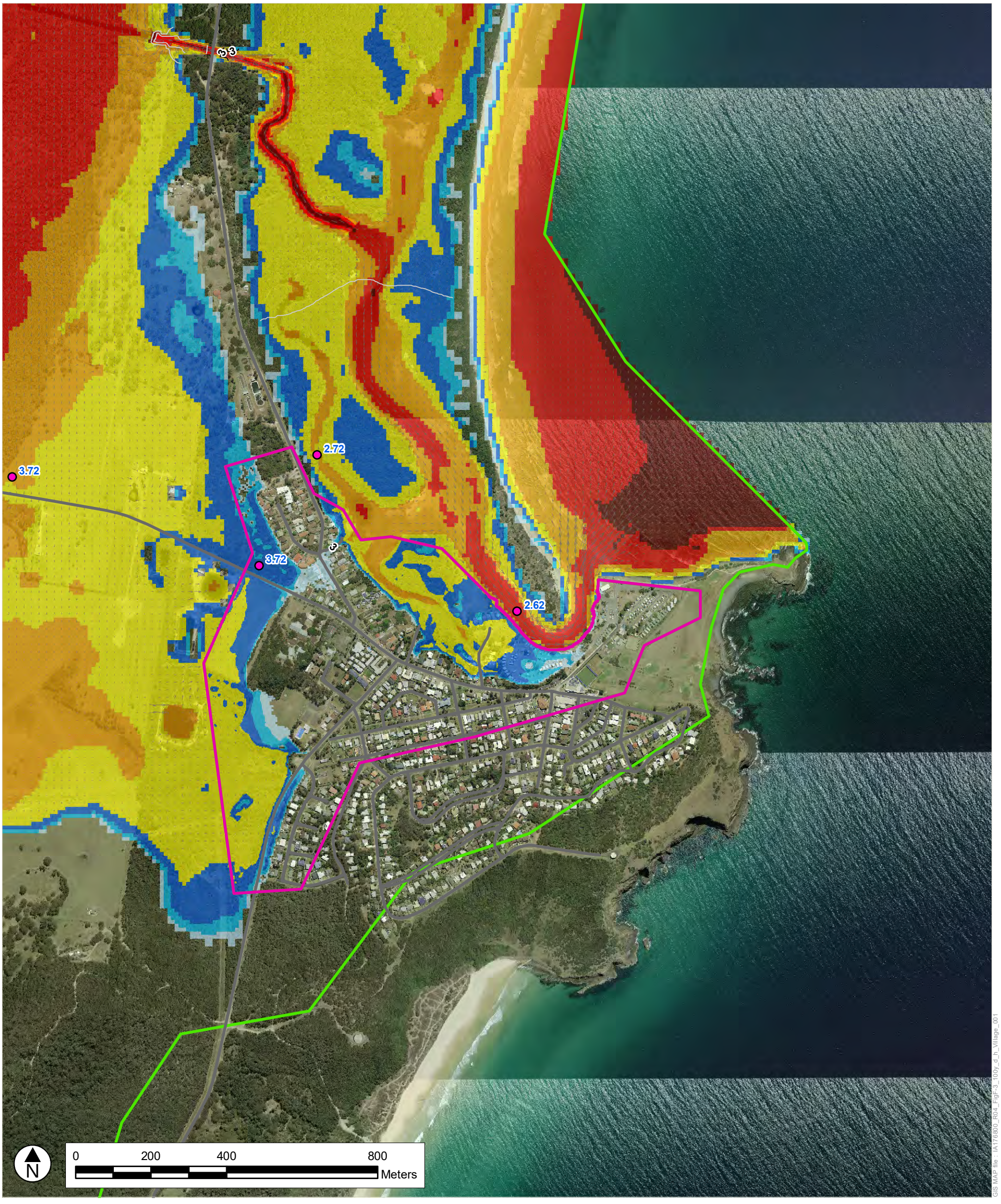
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(G)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-3_100y_d_h_Village_001



GIS MAP file = IA176800_R04_Figr-3_100y_d_h_Village_001

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

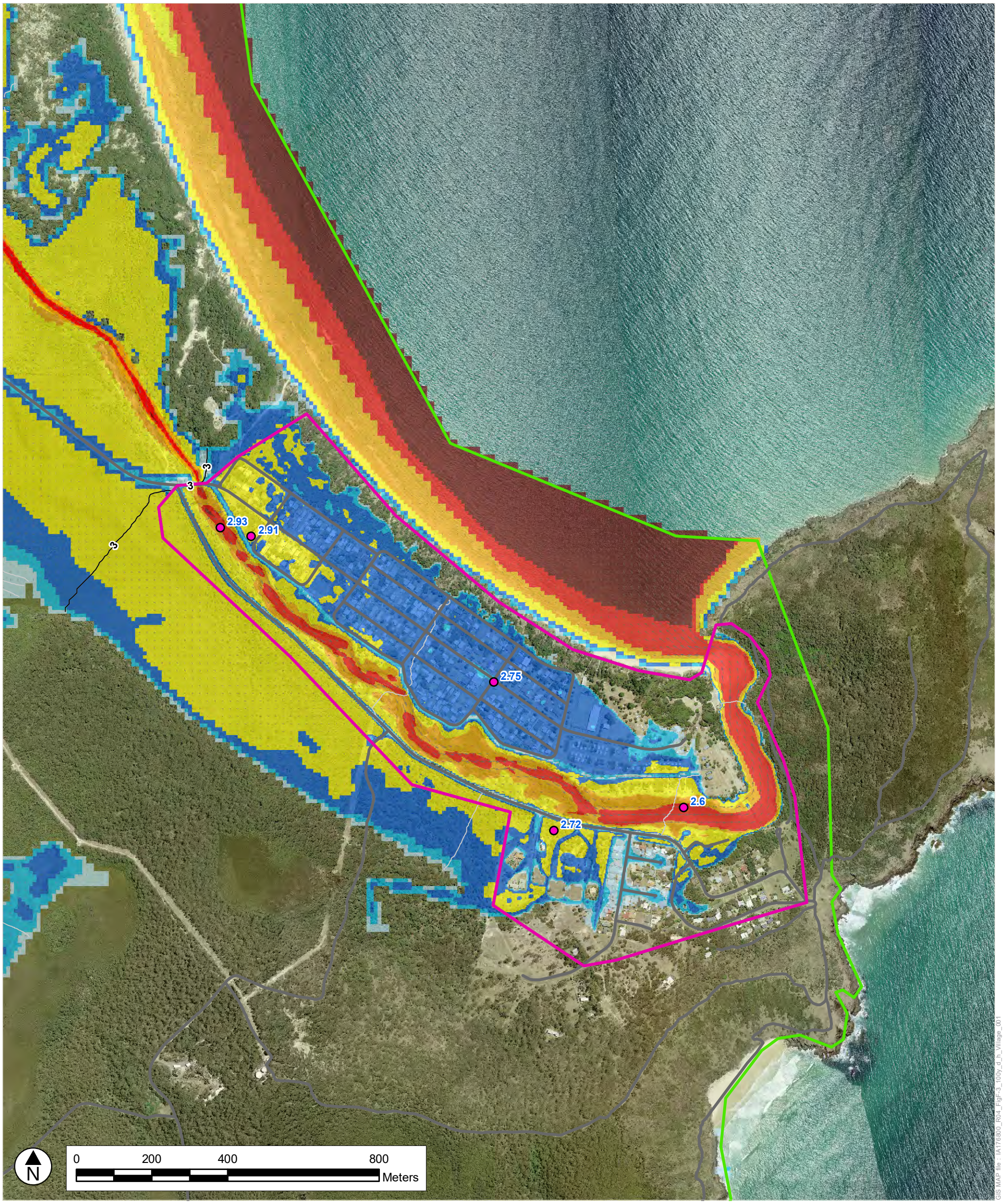
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(H)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flood Depth and Level
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-3(I)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file - IA176800_R04_FigF-3_100y_d_h_Village_001

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10
Kilometres

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

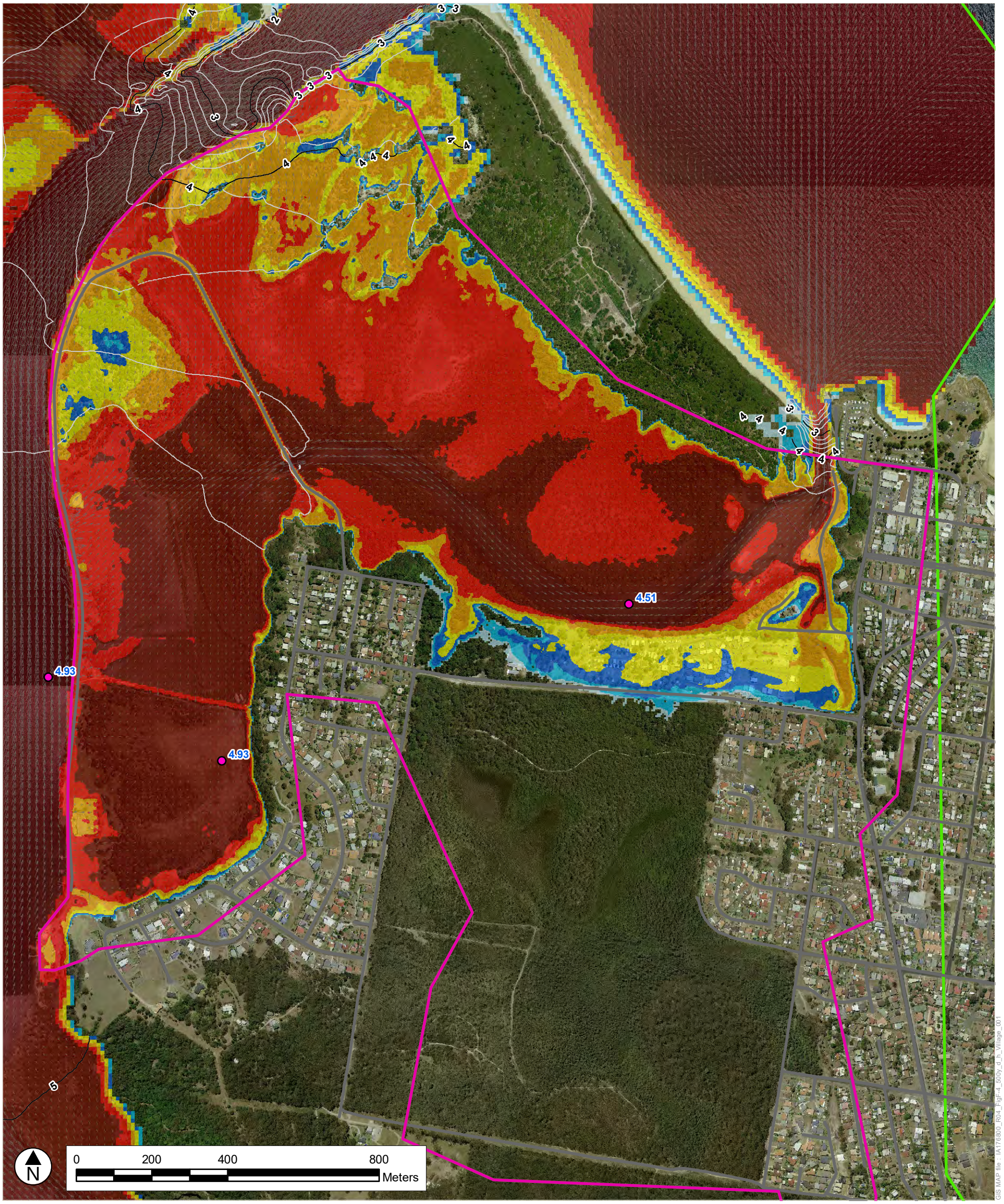
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-4	1	1
CHECK	DATE			
AH	2/09/2019			

GIS MAP file : IA176800_R04_FigF-4_500y_d_h_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

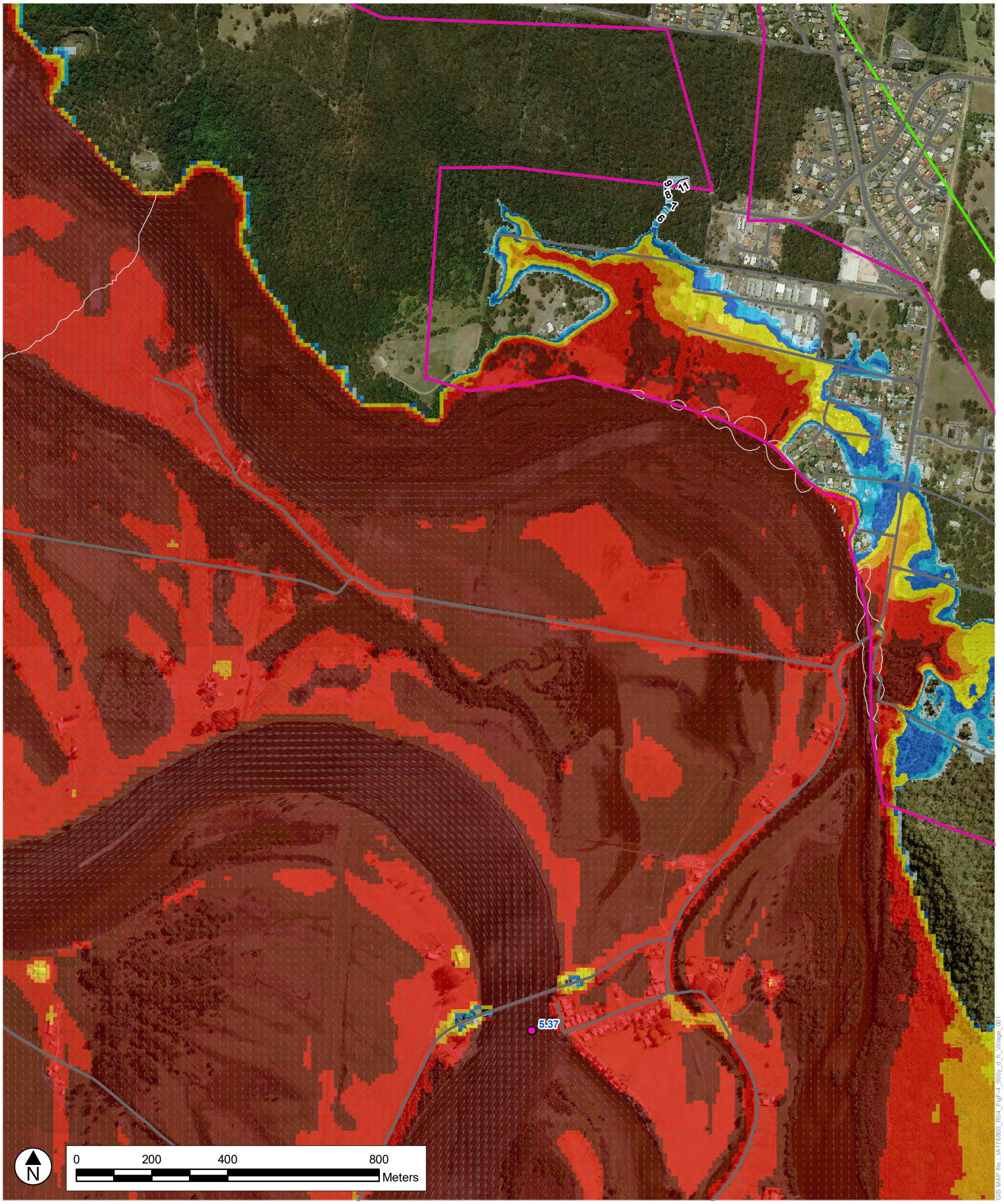
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(A)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-4_500y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

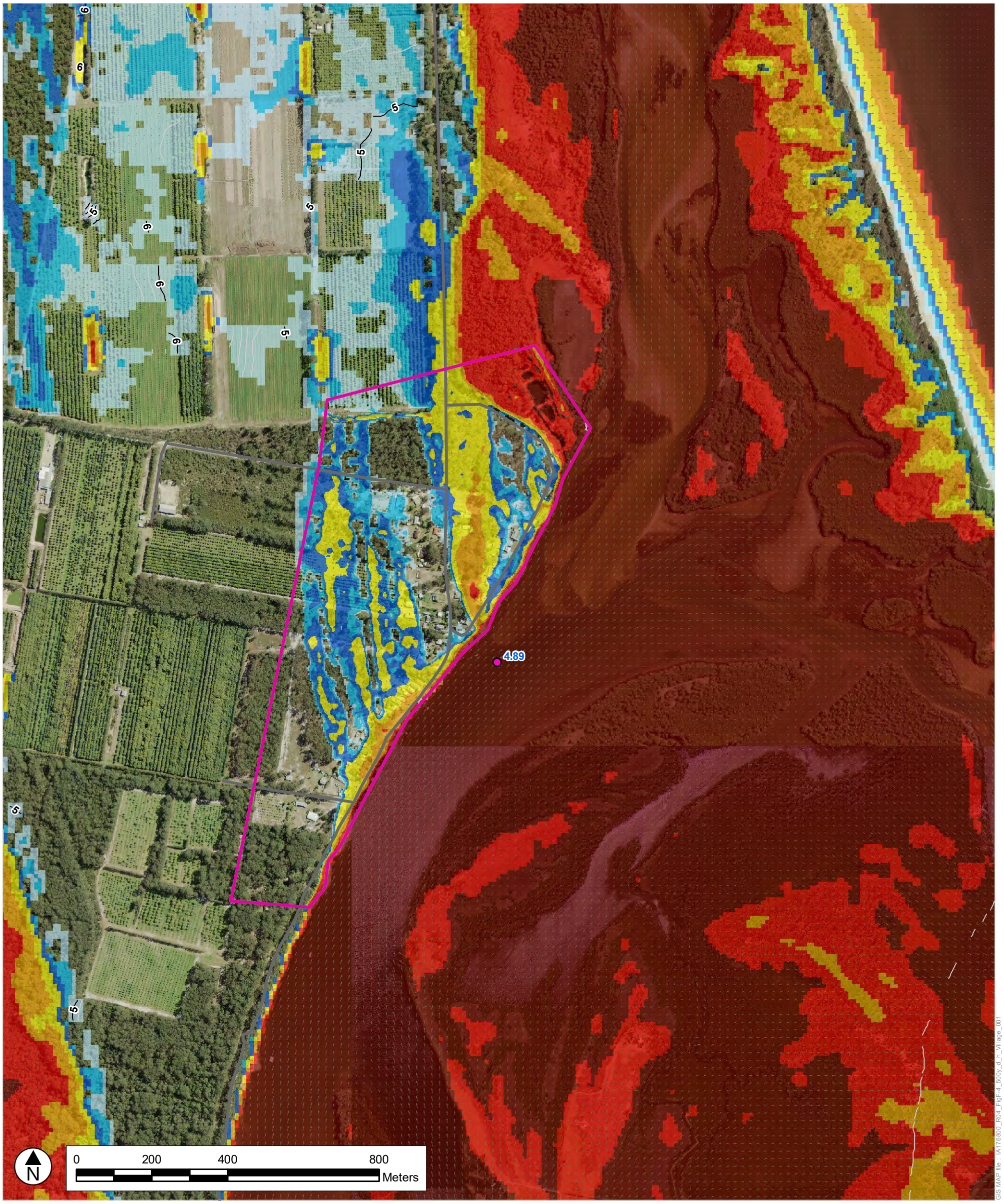
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(B)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-4_500y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

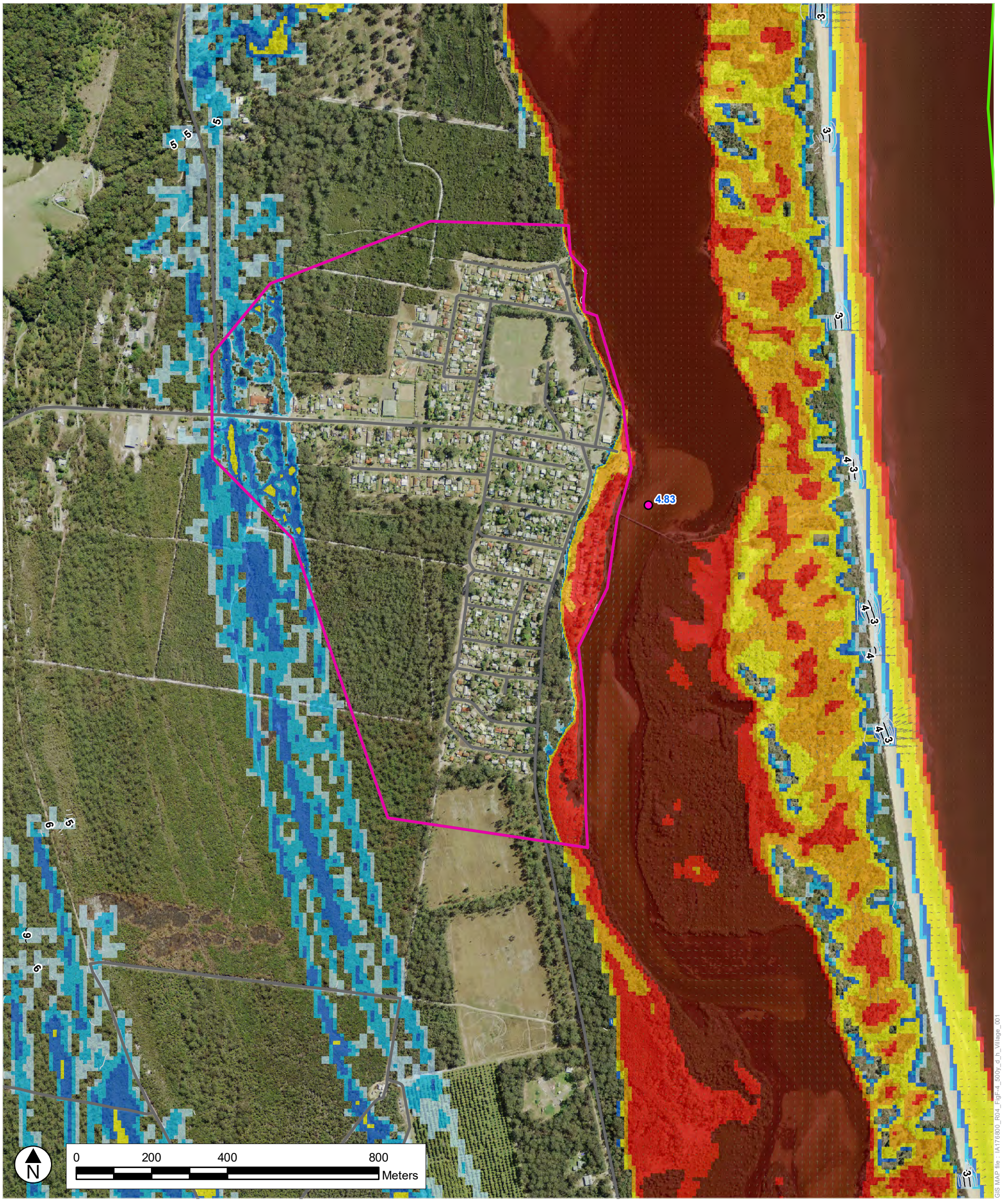
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(C)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-4_500y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

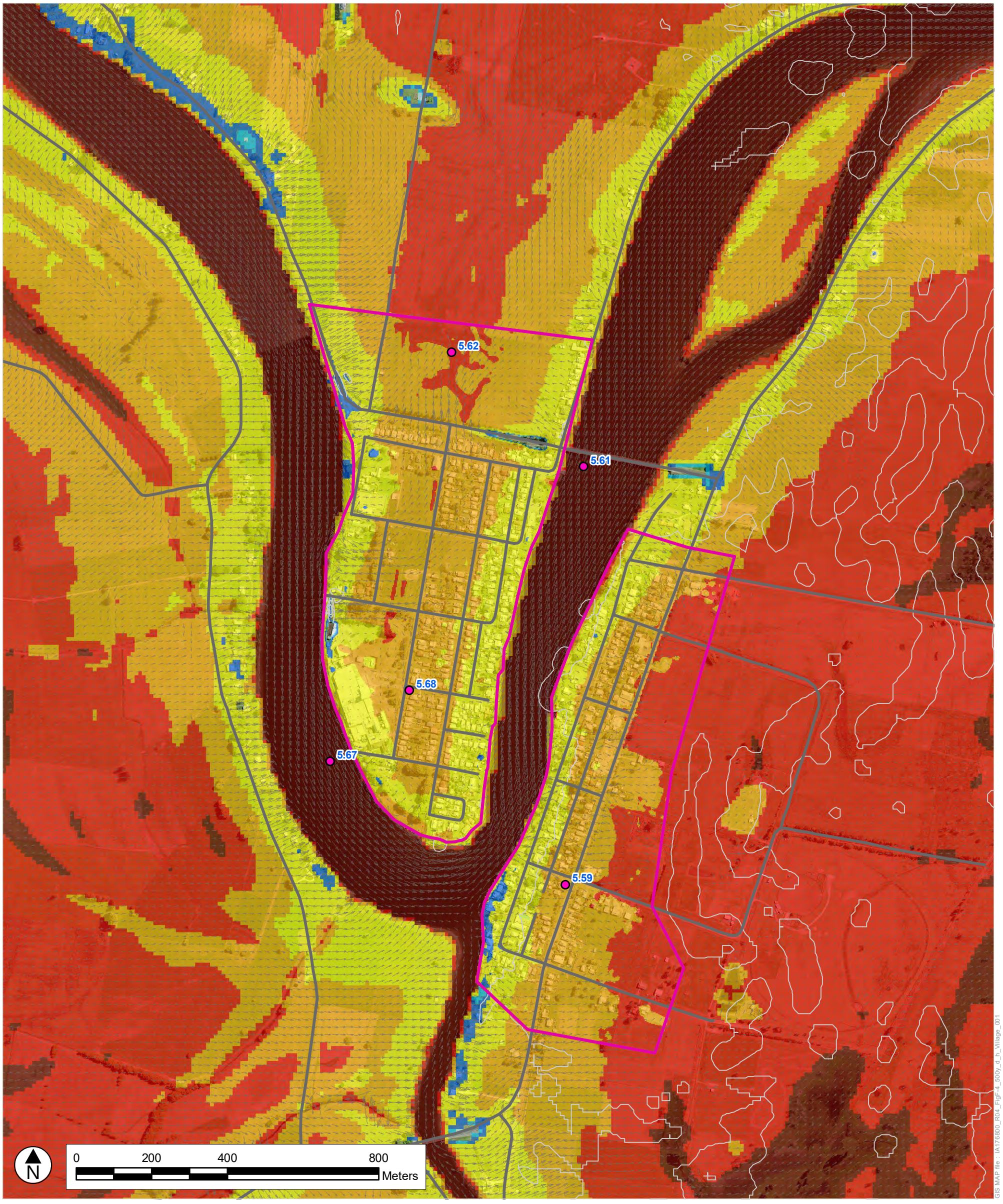
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(D)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file : IA176800_R04_FigF-4_500y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

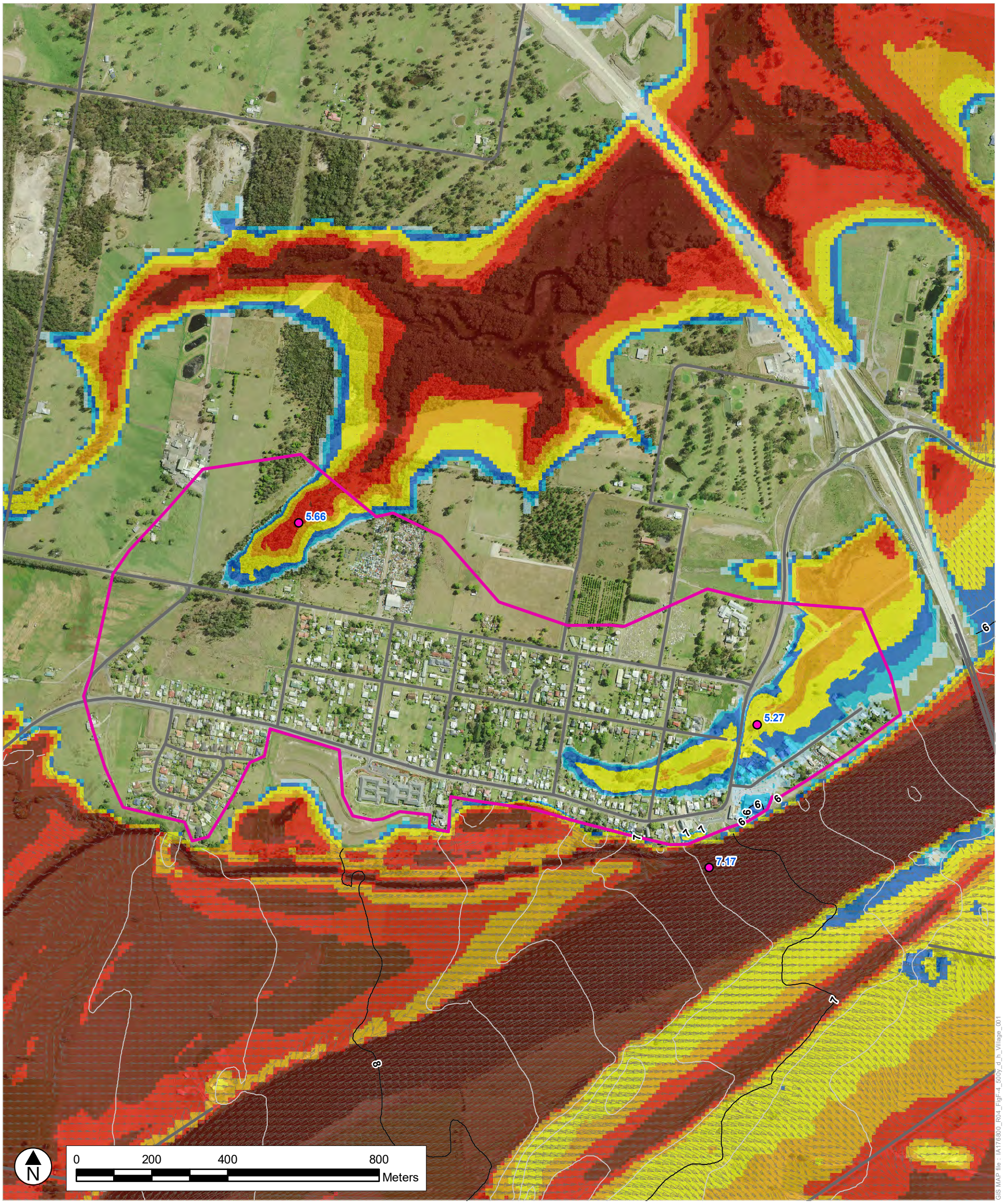
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(E)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

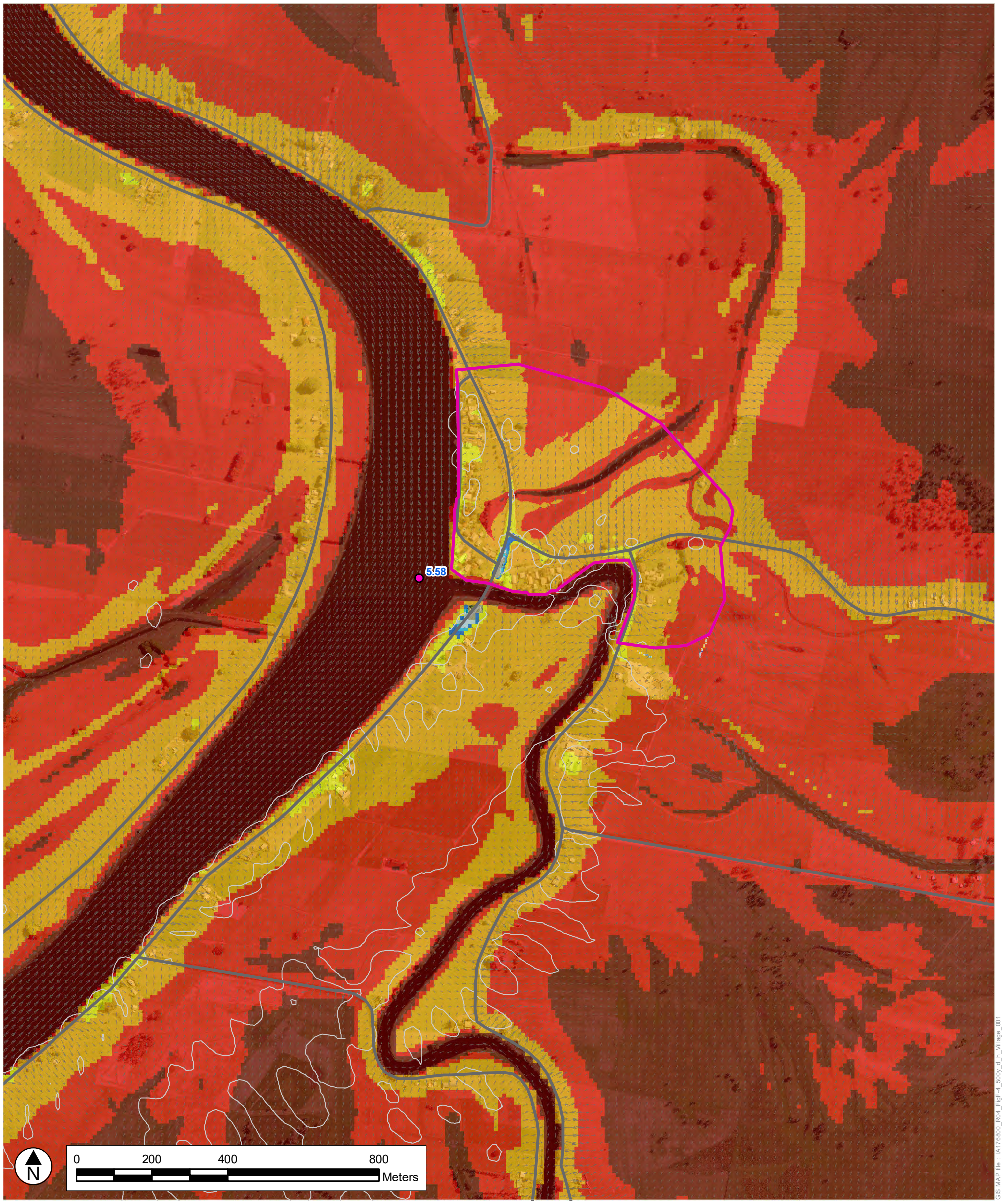
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(F)
CHECK	DATE	
AH	2/09/2019	



GIS MAP file : IA176800_R04_FigF-4_500y_d_h_Village_001

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

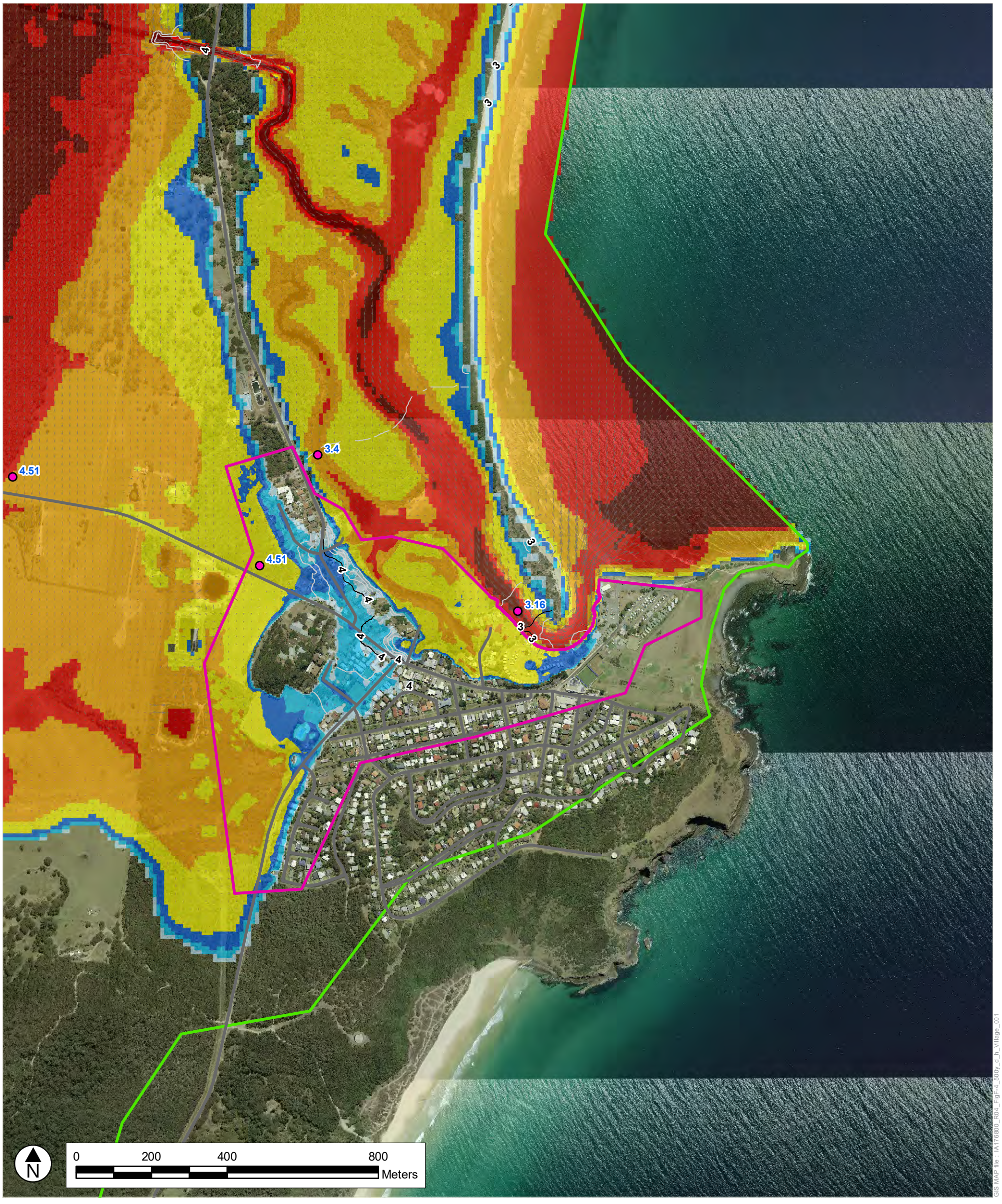
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(G)
CHECK	DATE	
AH	2/09/2019	



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

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A3

SHEET 1 of 1

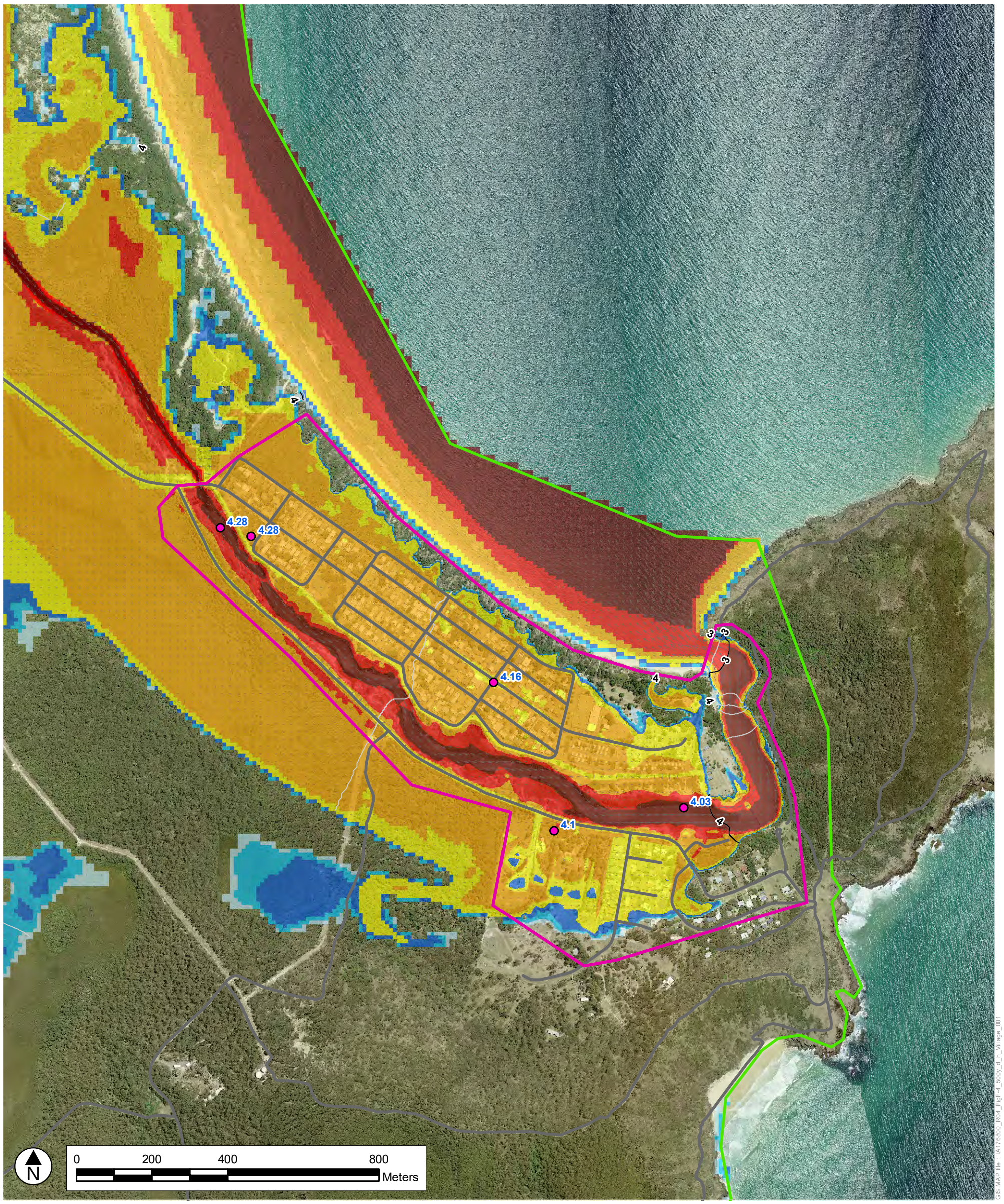
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(H)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file = IA176800_R04_FigF-4_500y_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flood Depth and Level
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-4(I)
CHECK	DATE	
AH	2/09/2019	

GIS MAP file - IA176800_R04_Figf-4_500y_d_h_Village_001

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

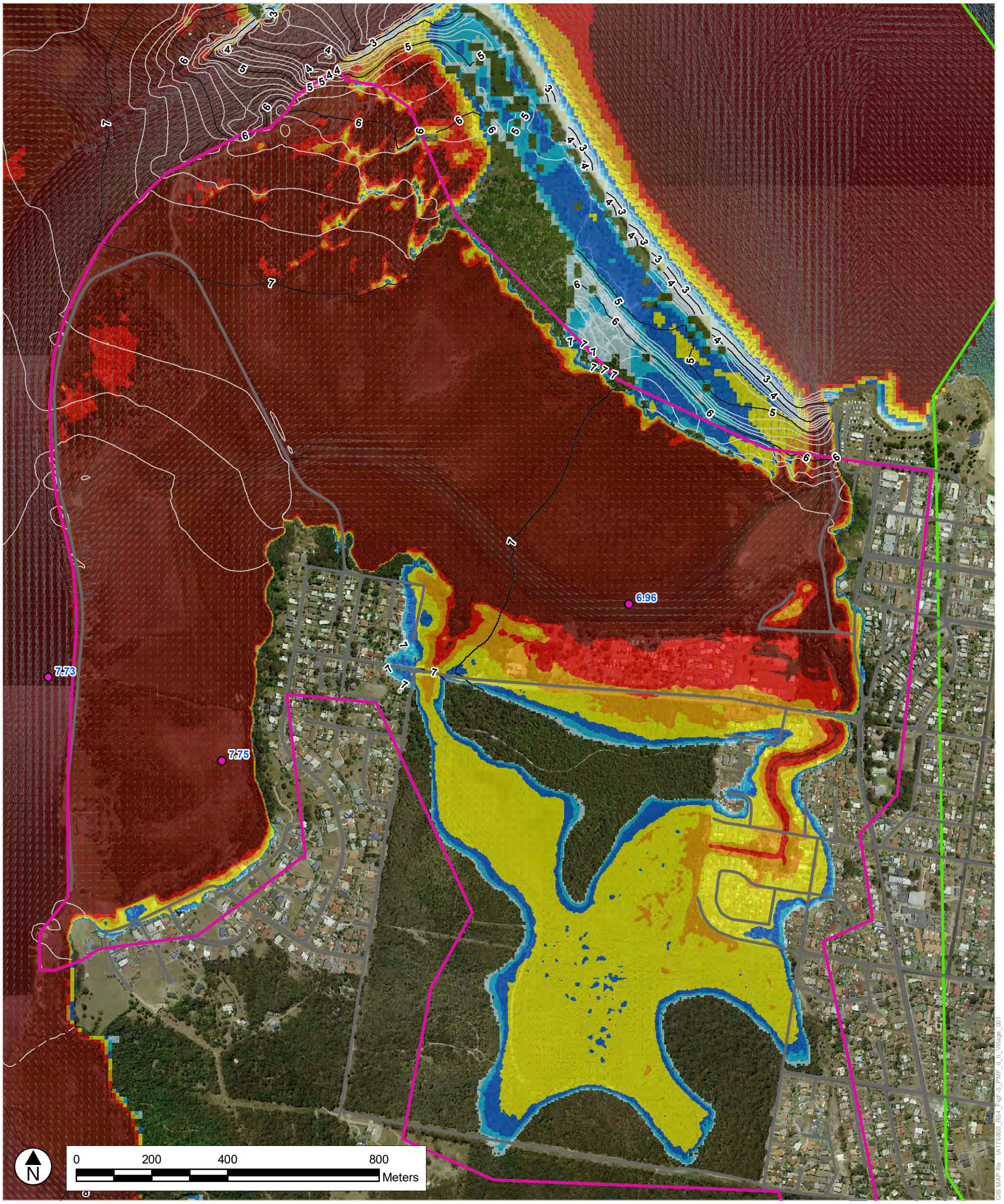
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-5	1	1
CHECK	DATE			
AH	2/09/2019			

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

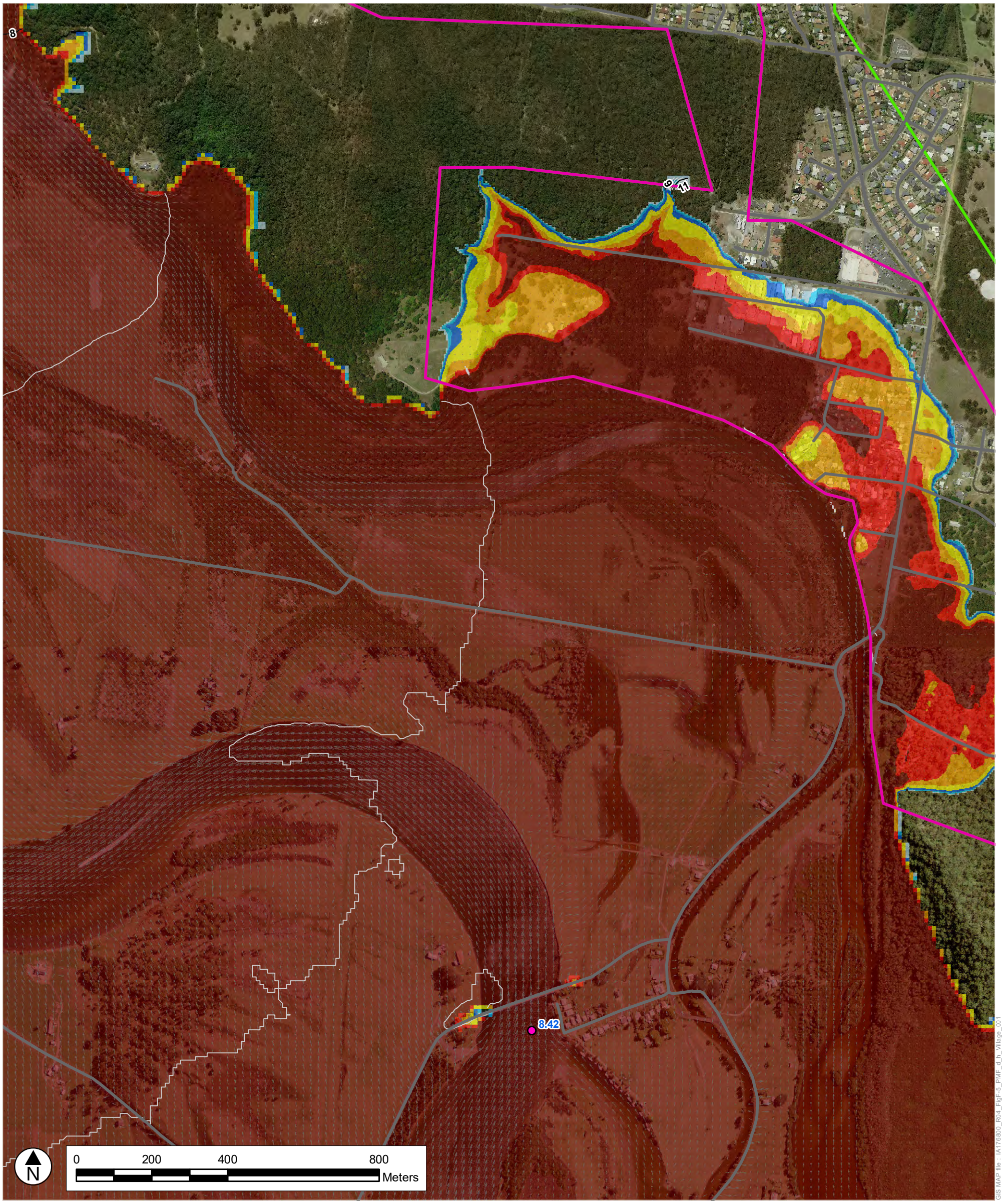
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(A)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

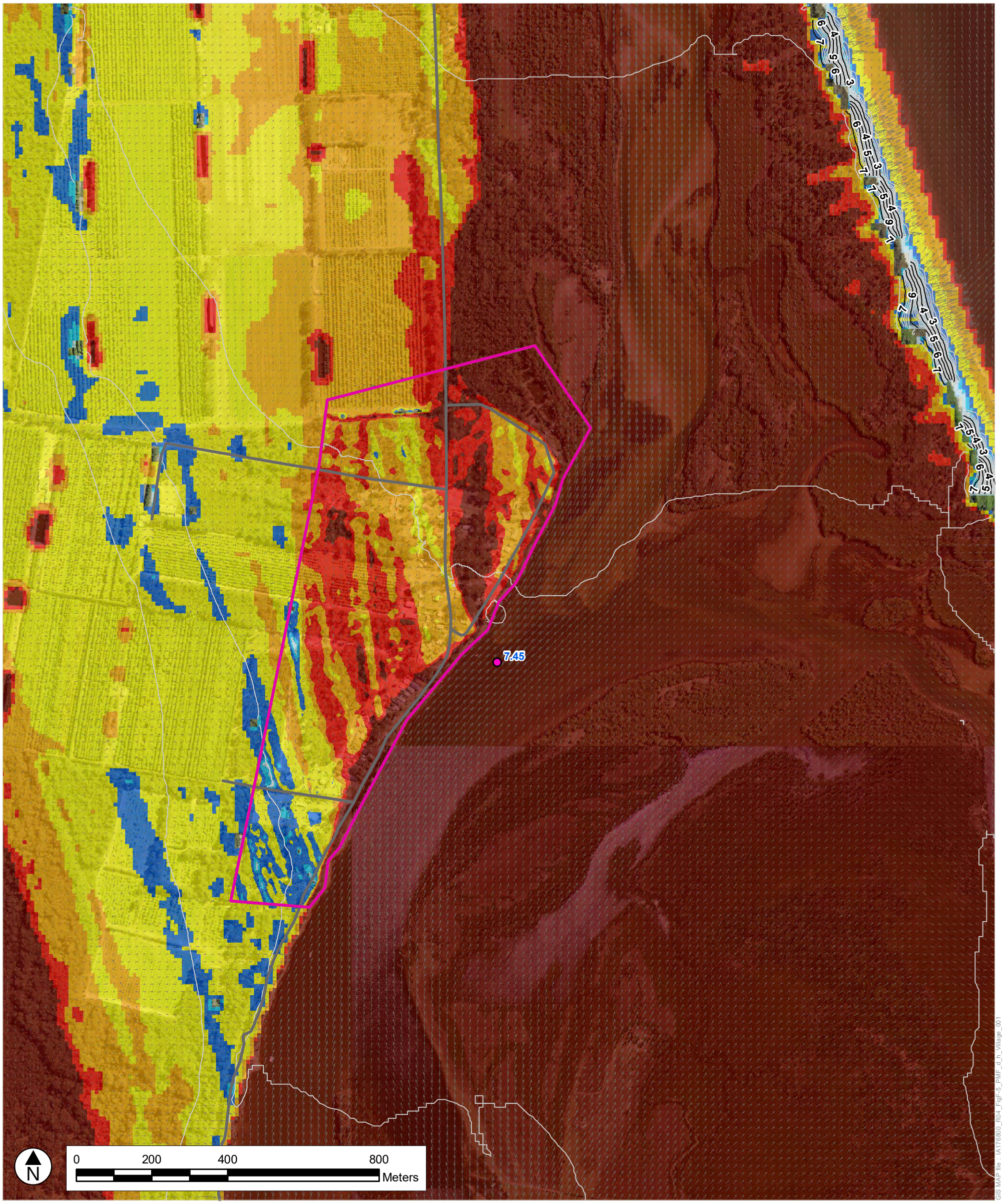
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(B)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

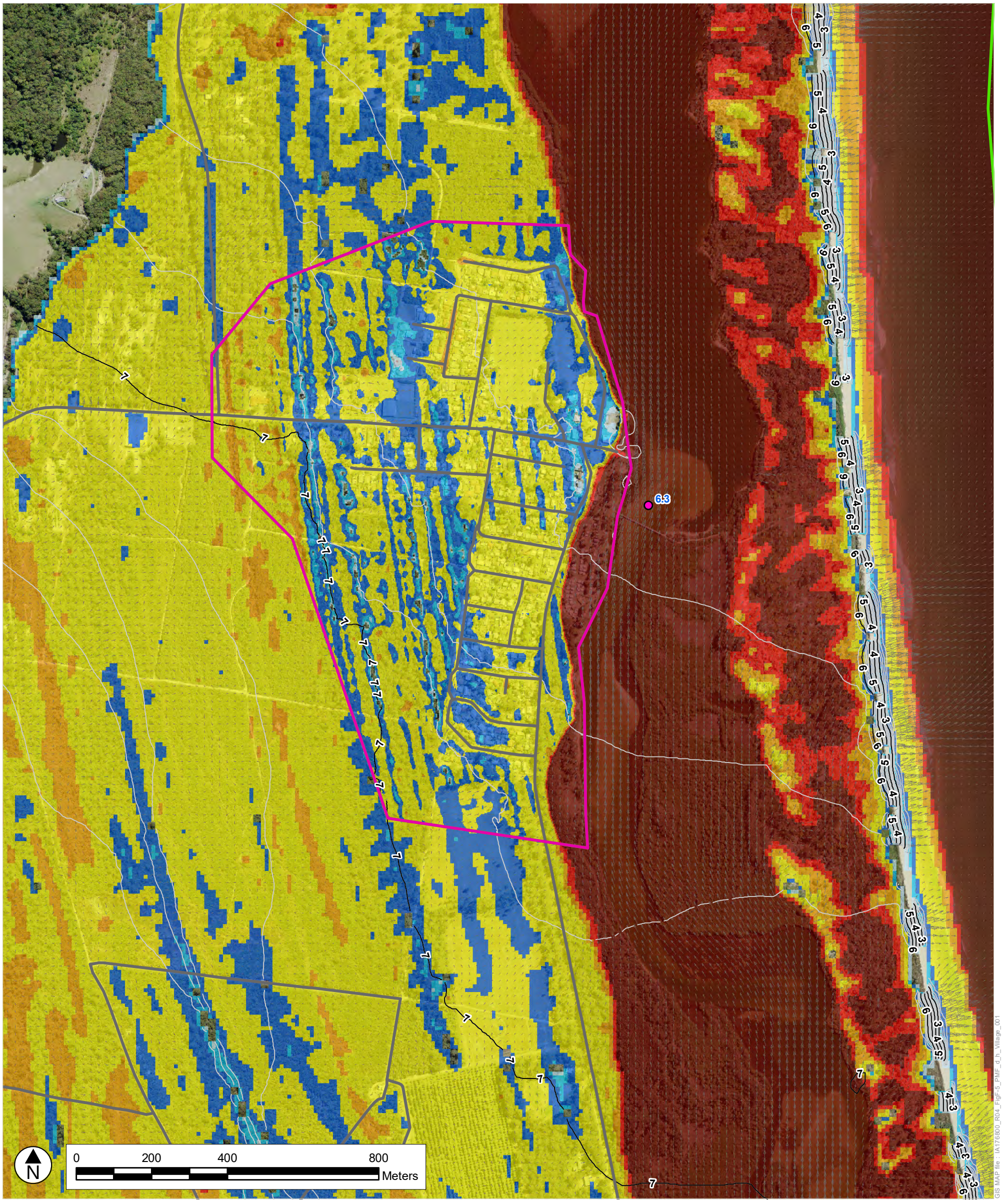
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(C)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

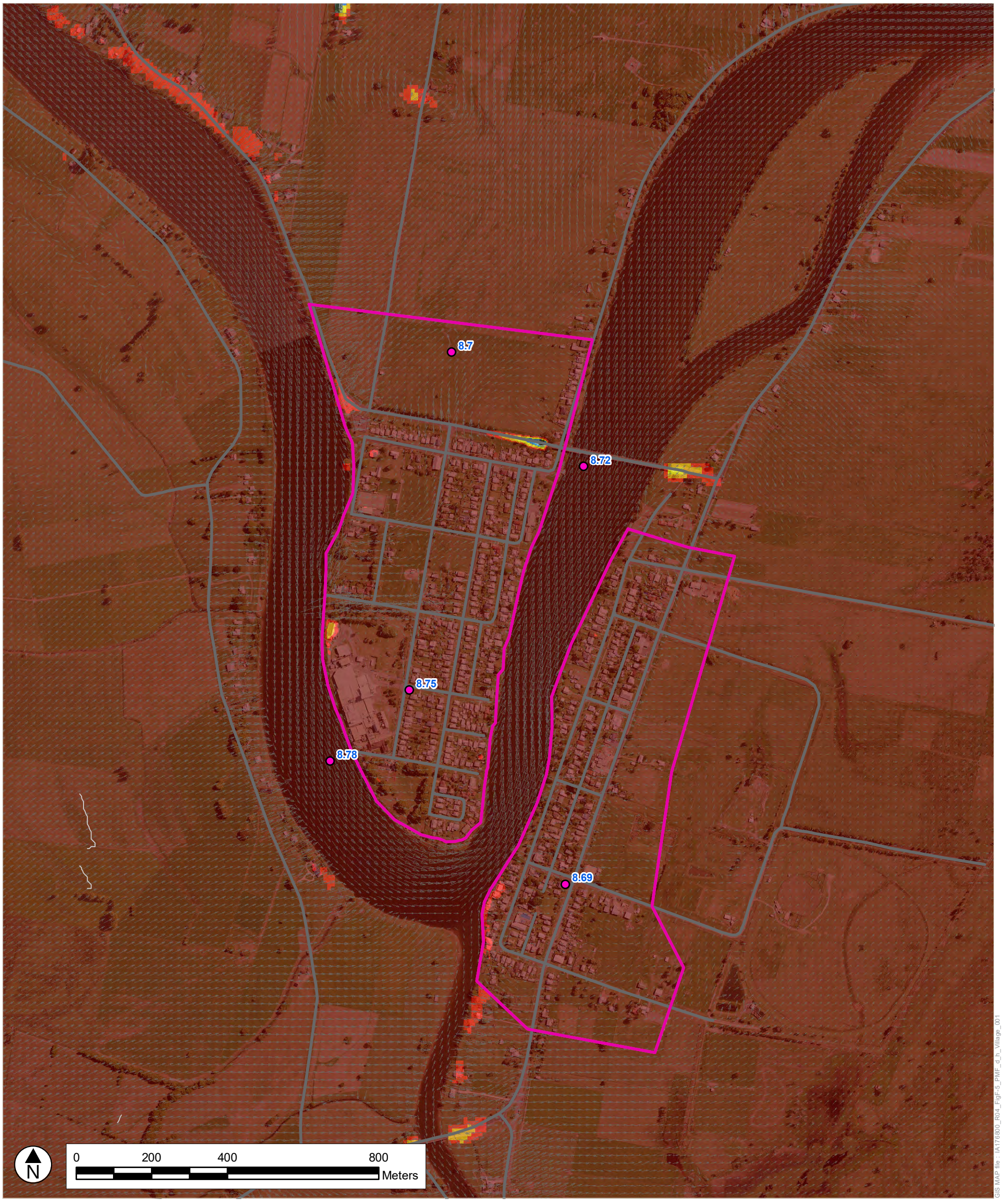
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(D)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

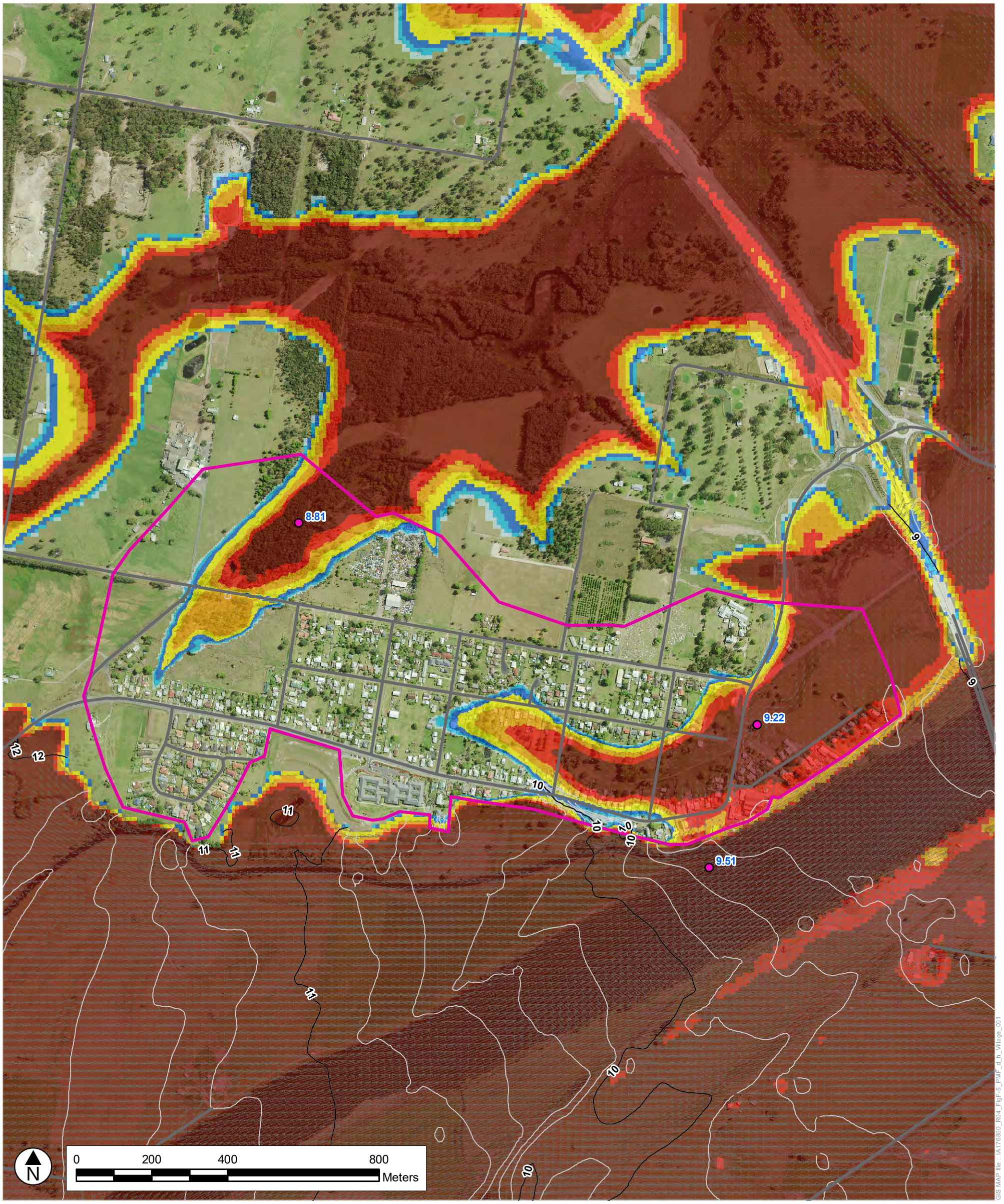
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(E)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(F)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

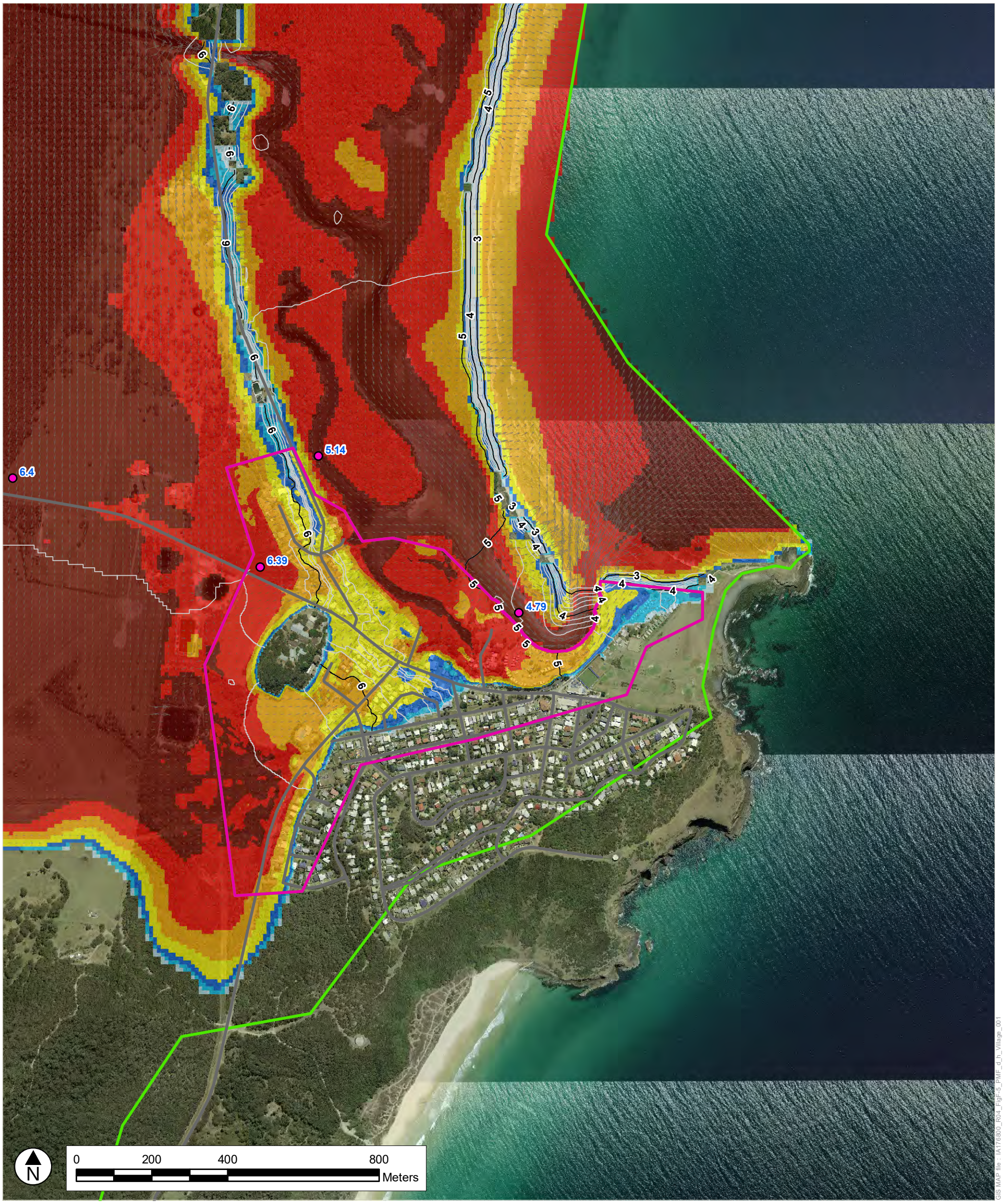
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(G)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

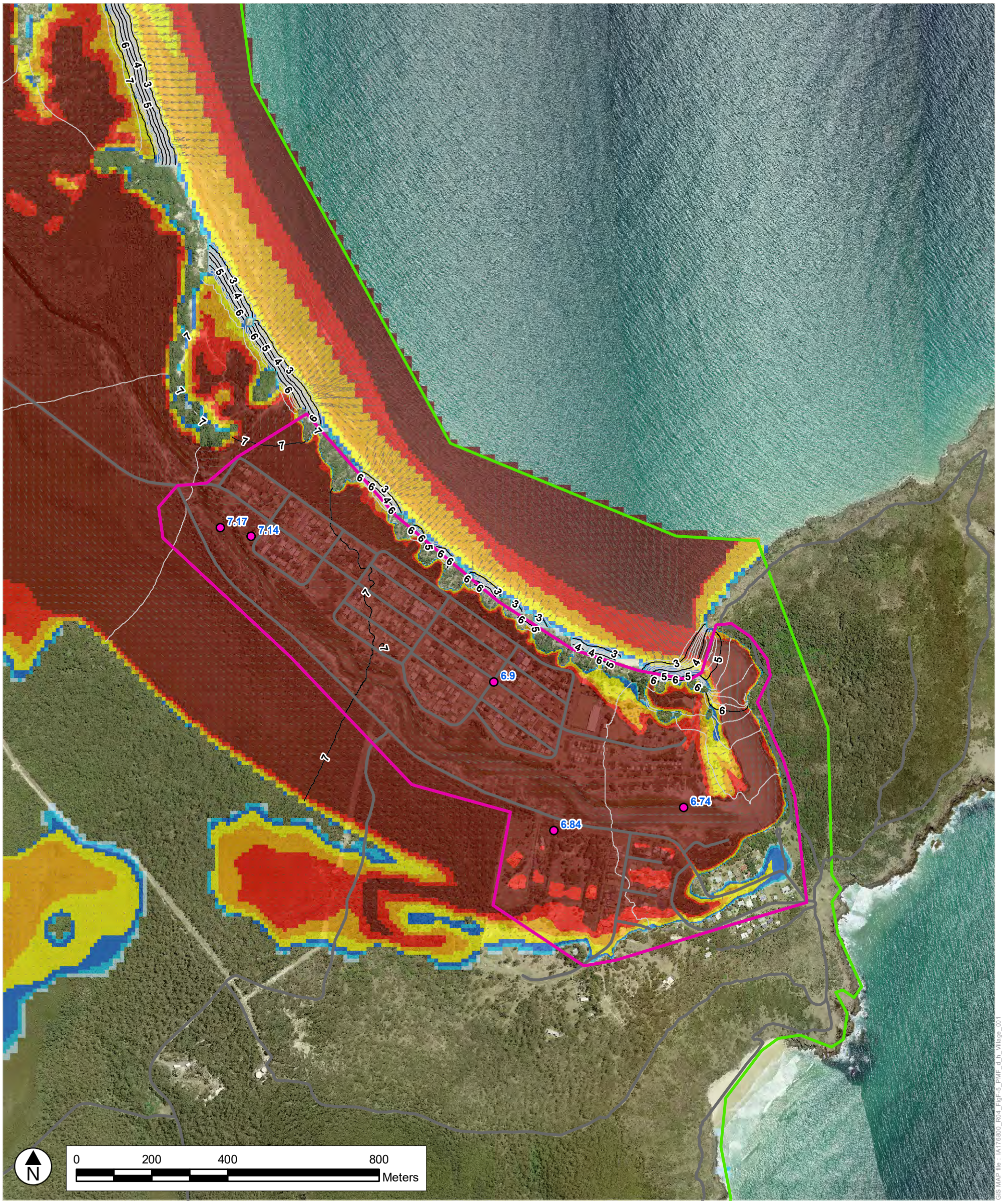
GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(H)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001



Legend

Depth (m)

- 0 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- > 4

- Flood Level 1m Contour (m AHD)
- Flood Level 0.2m Contour (m AHD)
- 5.50 Peak Flood Level (m AHD) at Point
- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flood Depth and Level
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-5(I)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-5_PMF_d_h_Village_001

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-6	1	1
CHECK	DATE			
AH	10/09/2019			

GIS MAP file : IA176800_R04_FigF-6_5y_v_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

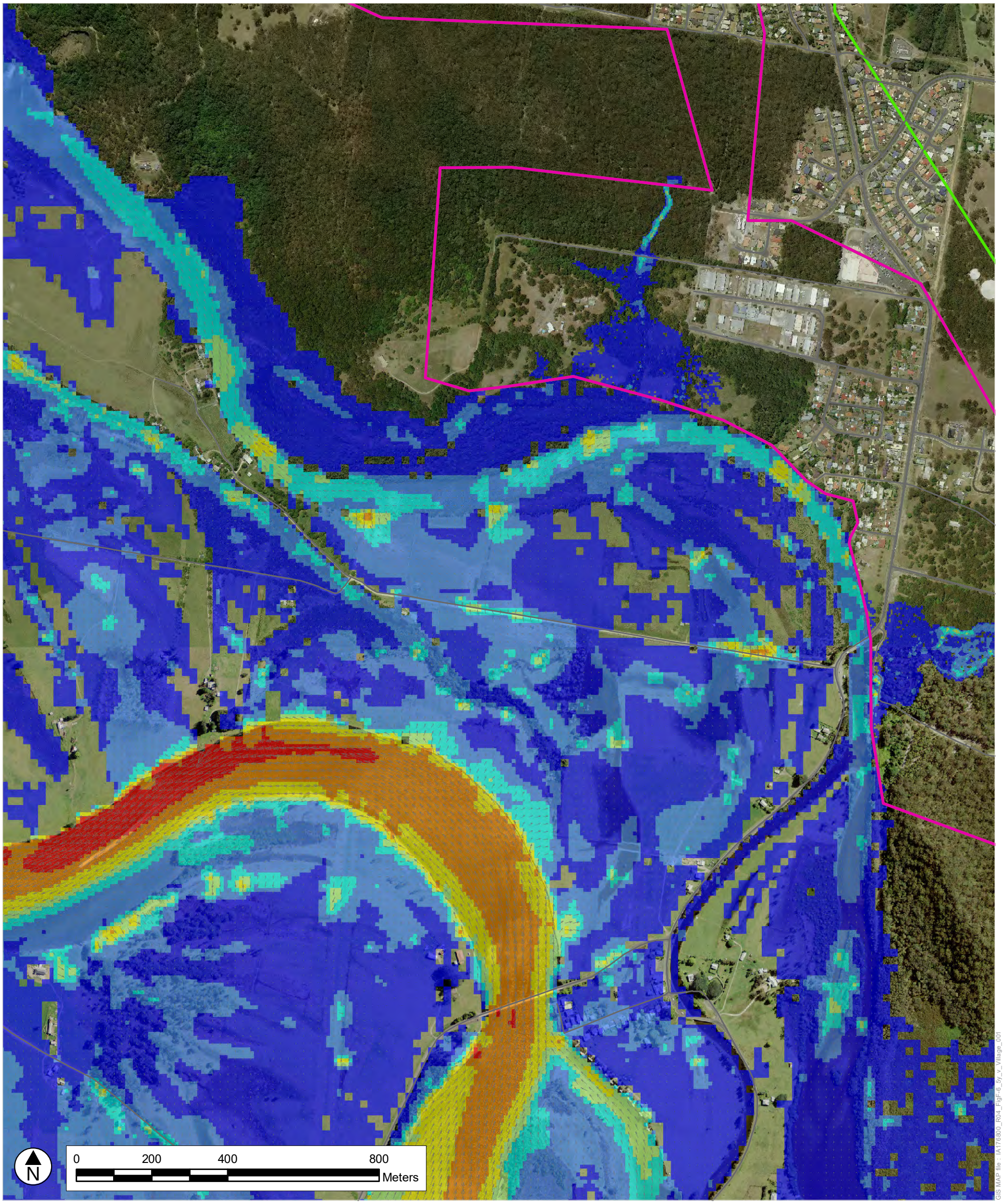
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(A)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-6_5y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

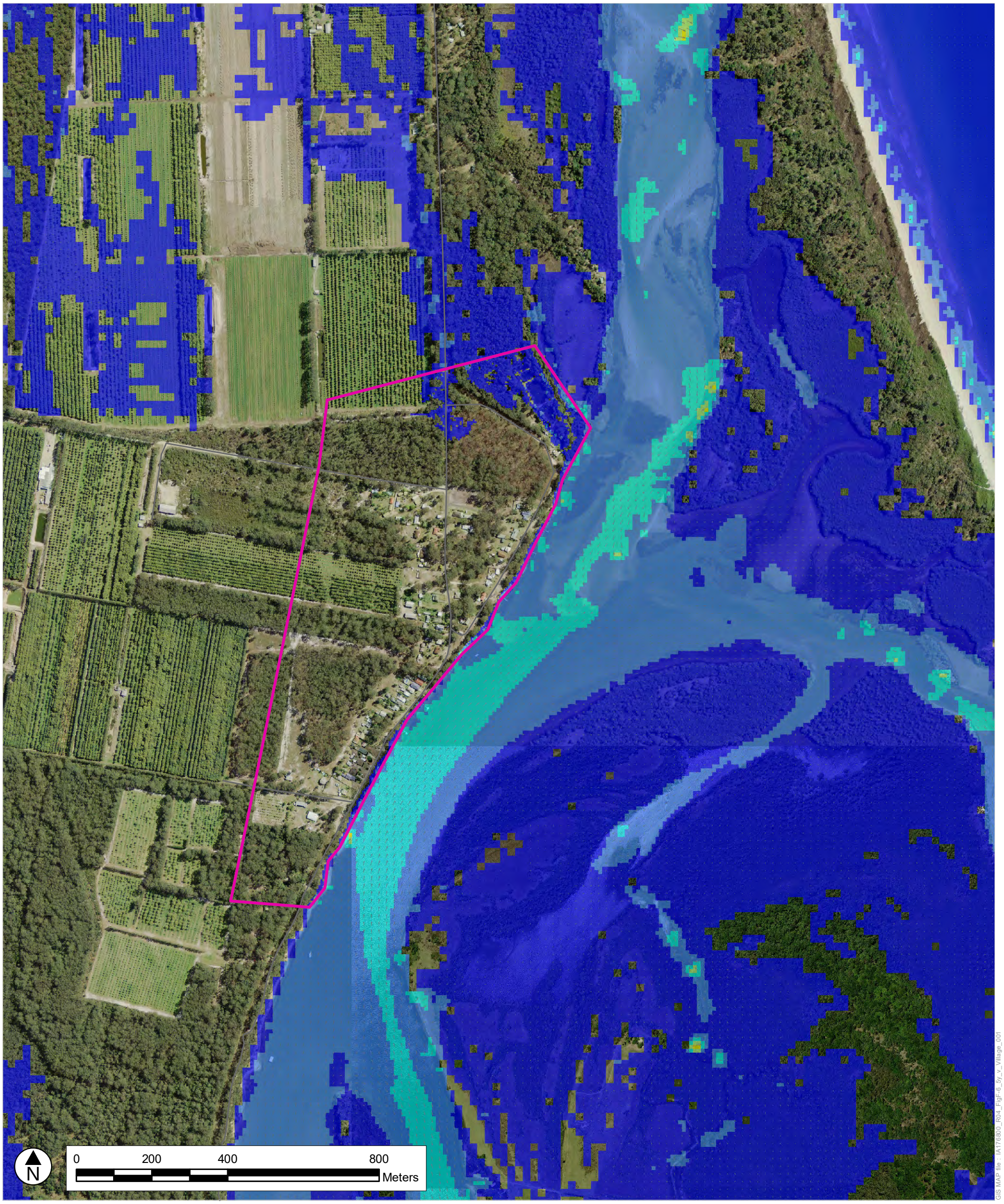
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(B)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

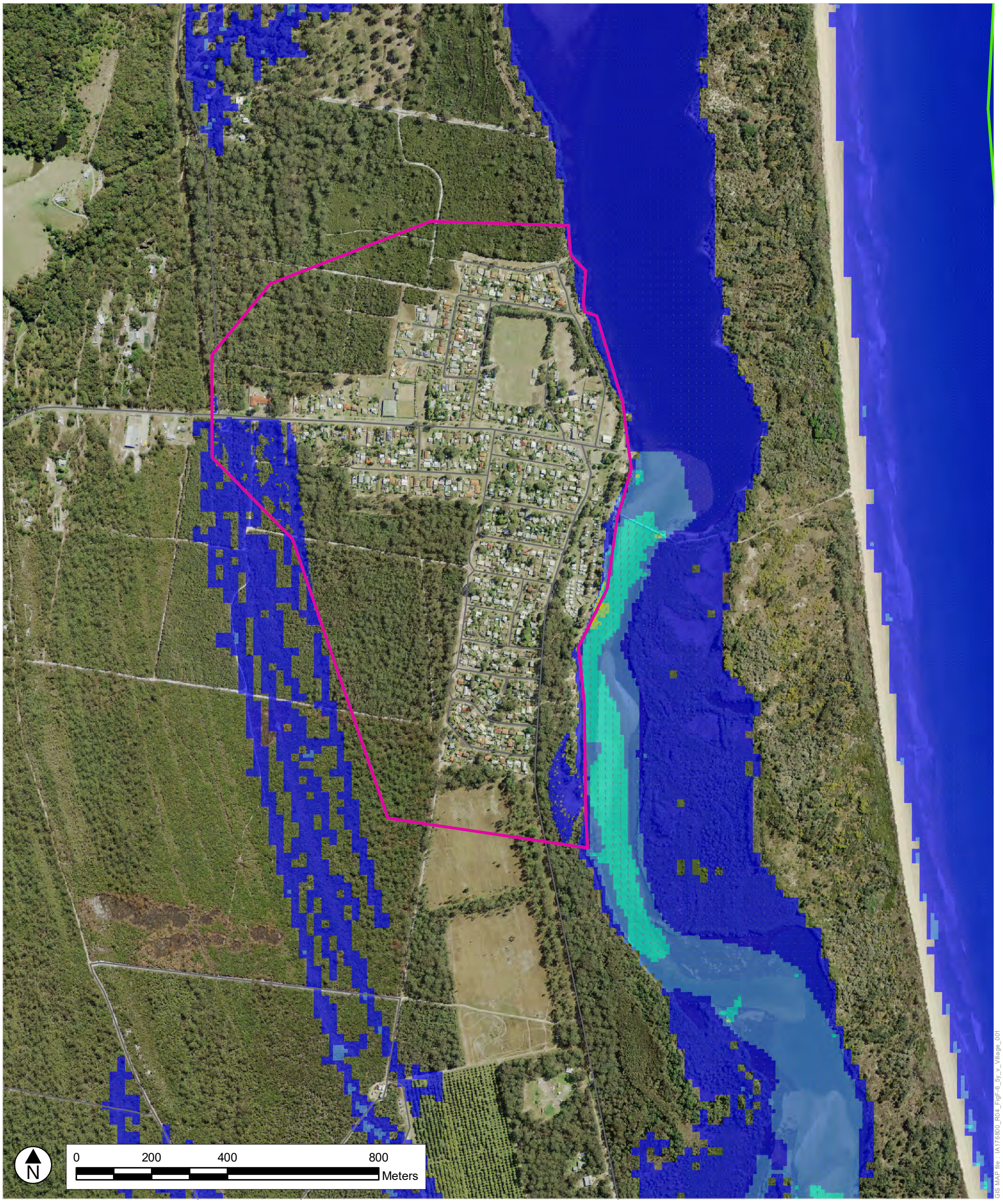
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(C)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

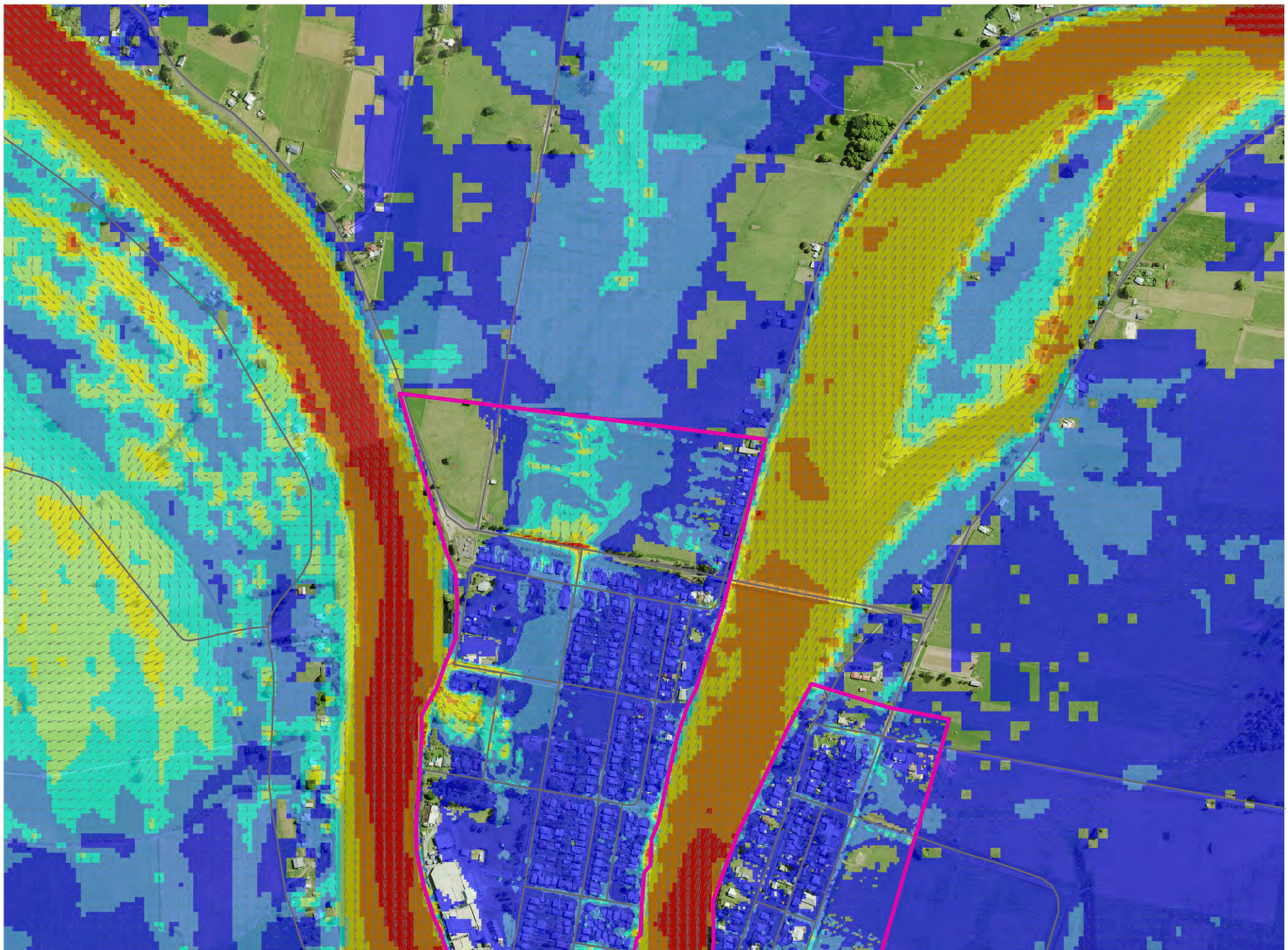
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event Flow Velocity Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(D)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-6_5y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

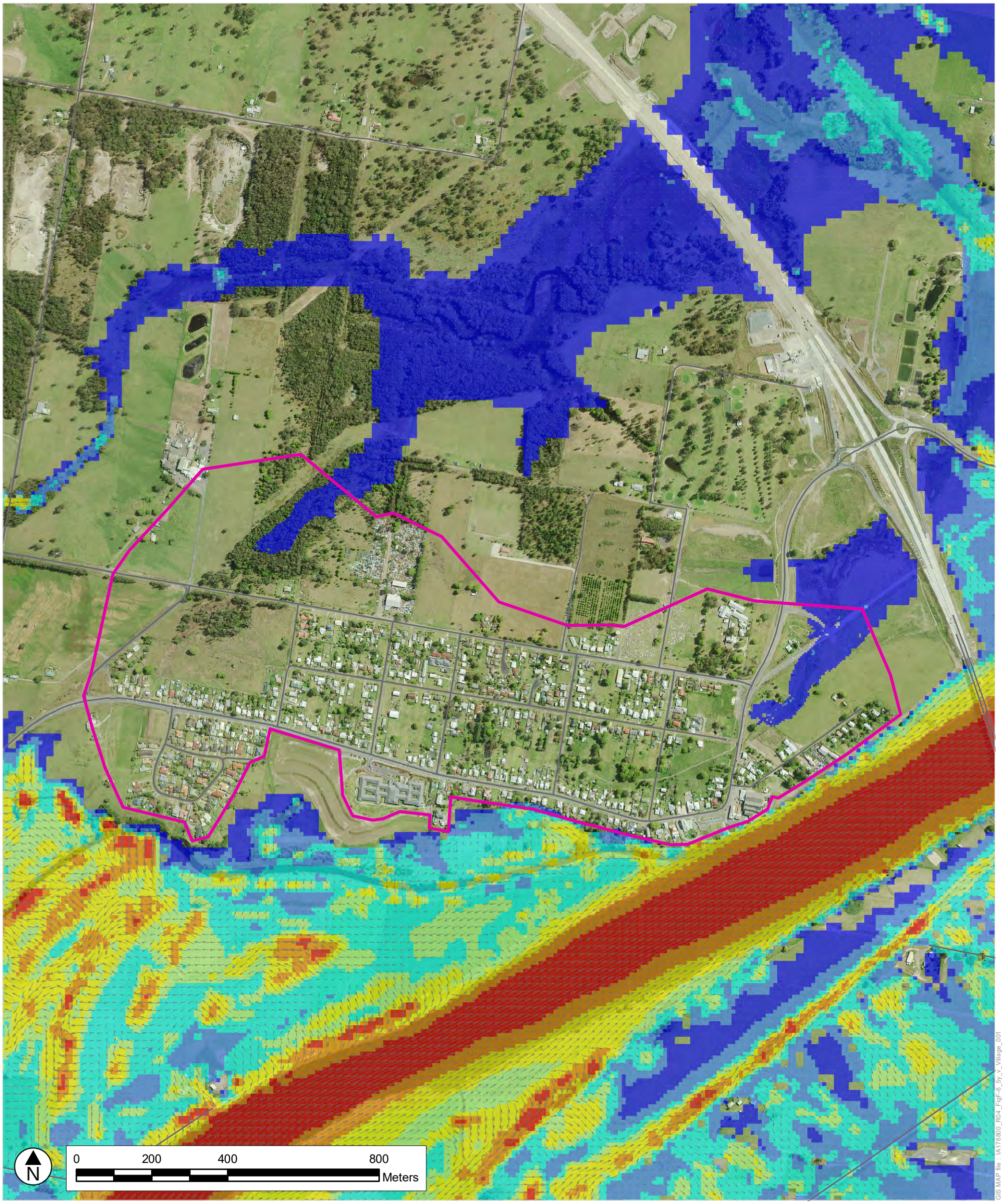
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(E)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

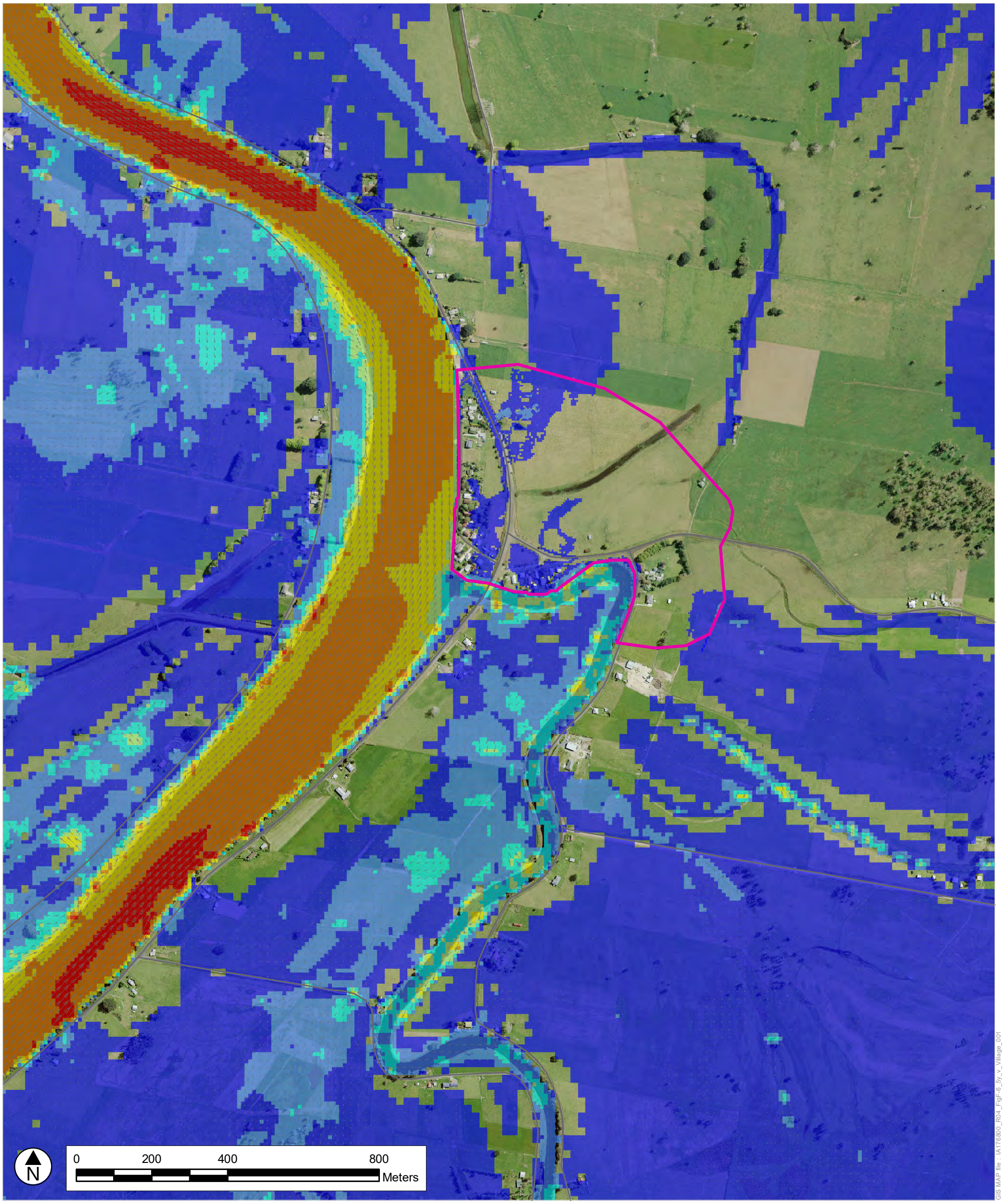
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(F)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(G)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-6_5y_v_Village_001

0 200 400 800
Meters

N

GIS MAP file : IA176800_R04_FigF-6_5yr_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(H)
CHECK	DATE	
AH	9/09/2019	

0 200 400 800
Meters

N

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flow Velocity
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-6(I)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-6_5y_v_Village_001

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

5m Model Grid Boundary

Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

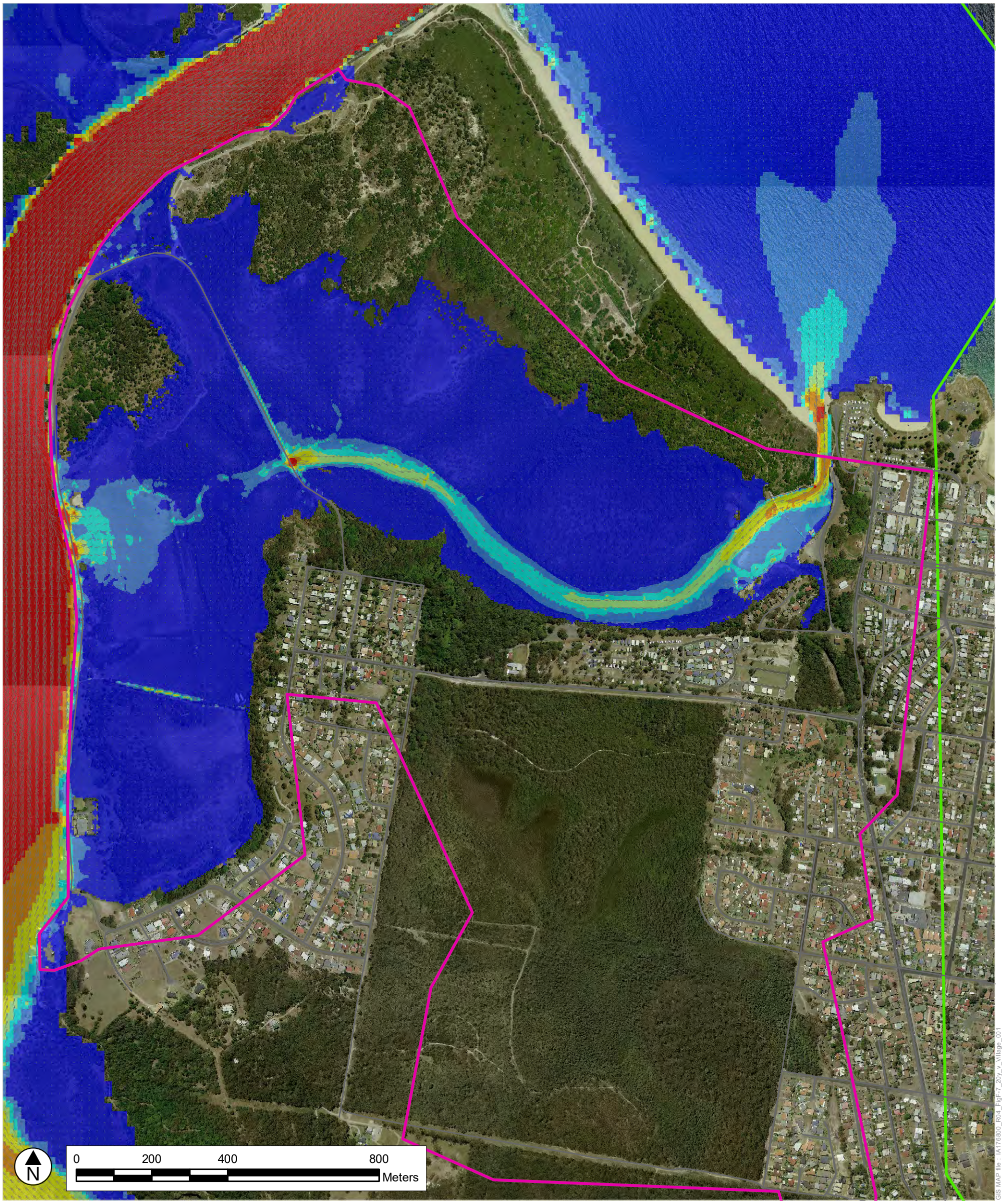
GDA 1994 MGA Zone 56

TITLE 5% AEP Event Flow Velocity

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-7	1	1
CHECK	DATE			
AH	10/09/2019			

GIS MAP file : IA176800_R04_FigF-7_20y_v_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

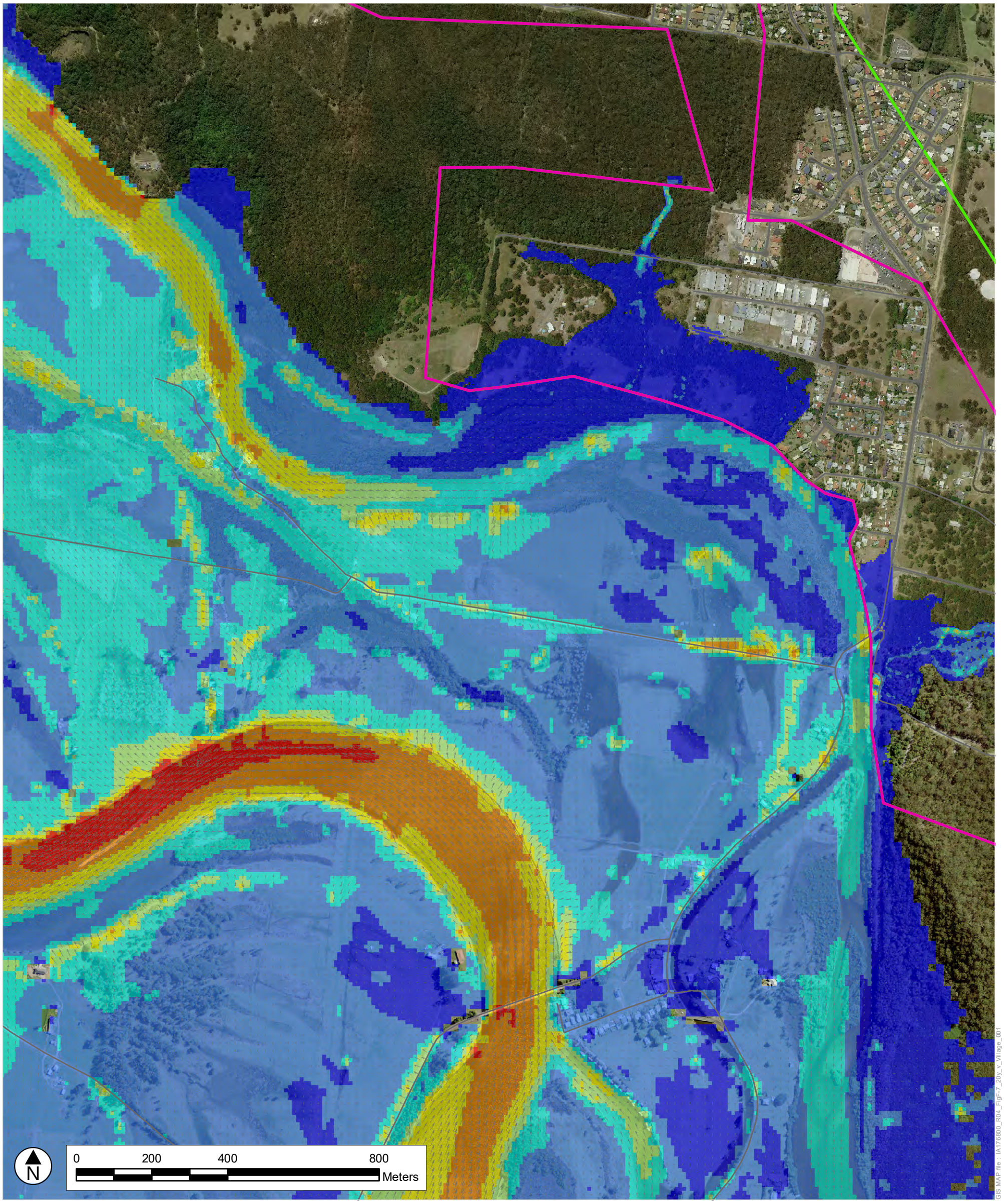
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(A)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

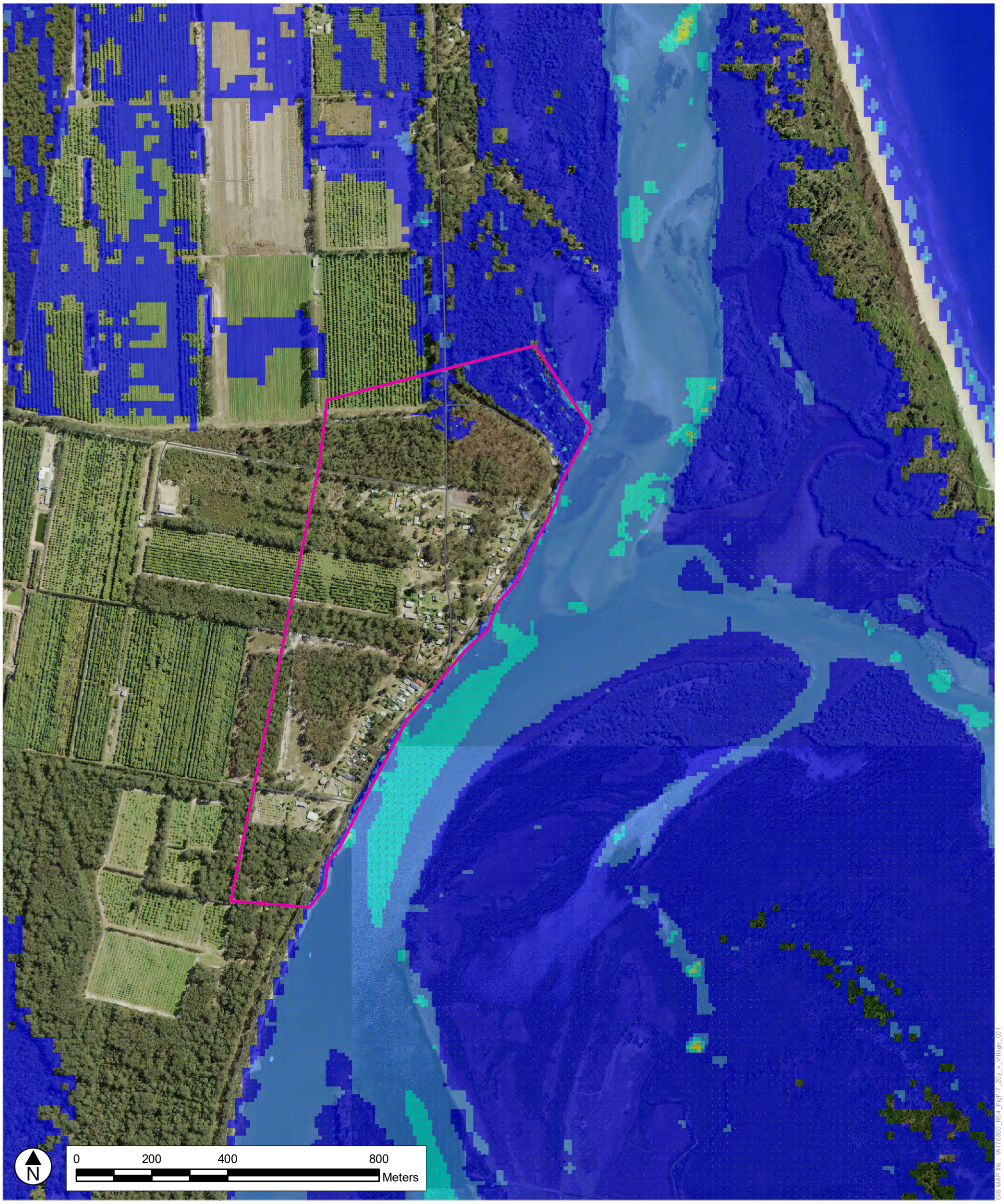
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(B)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

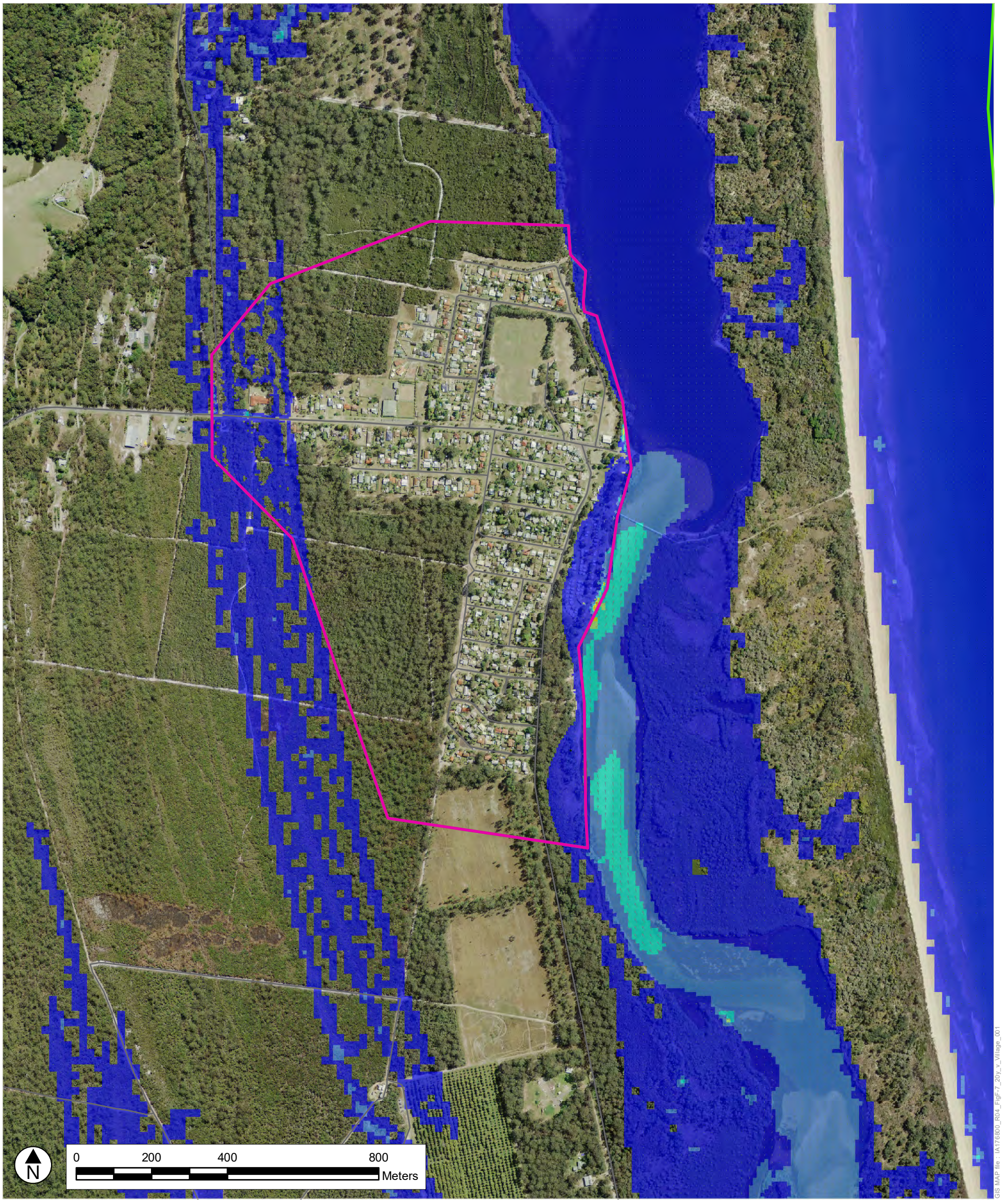
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(C)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

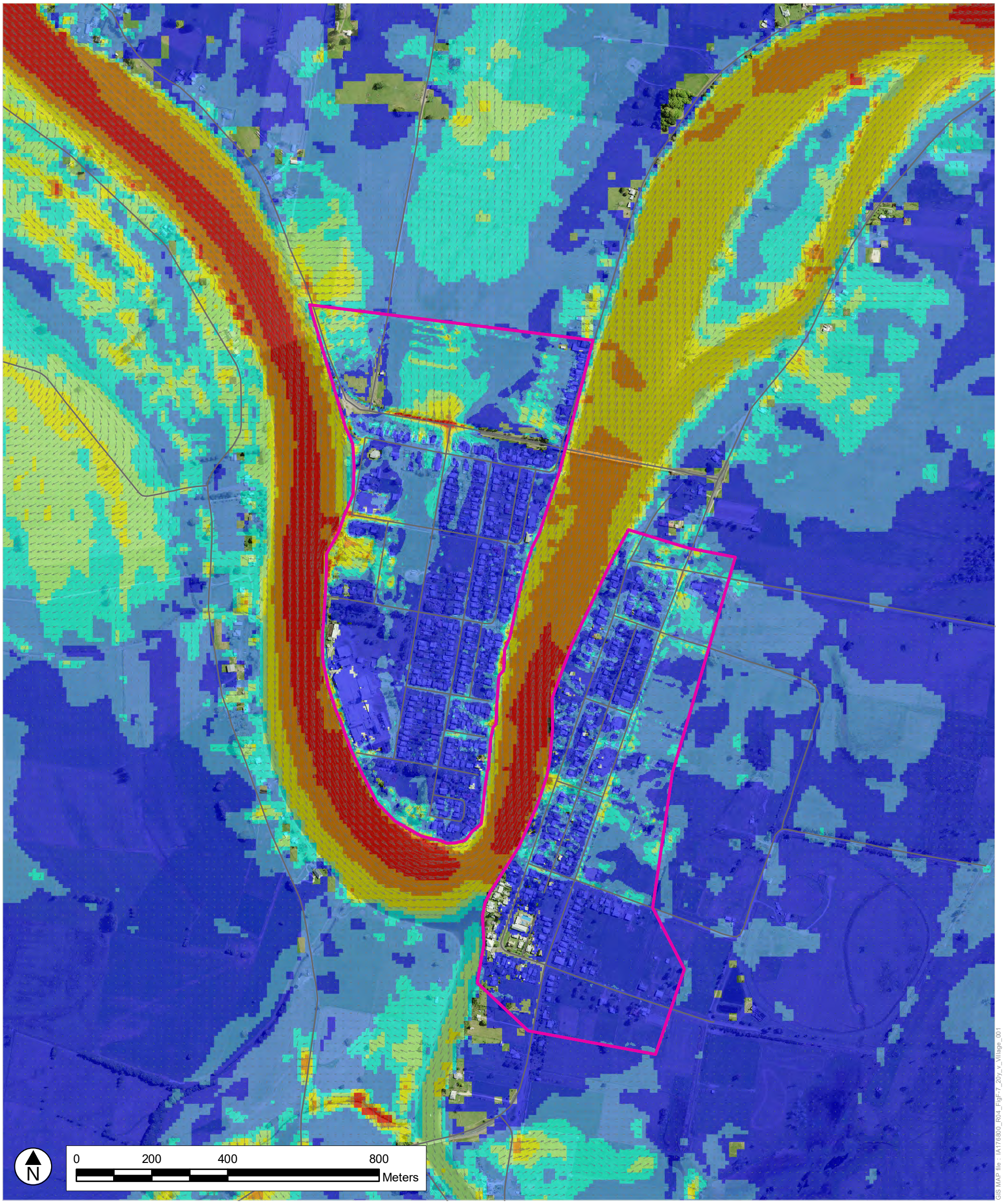
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(D)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001



GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

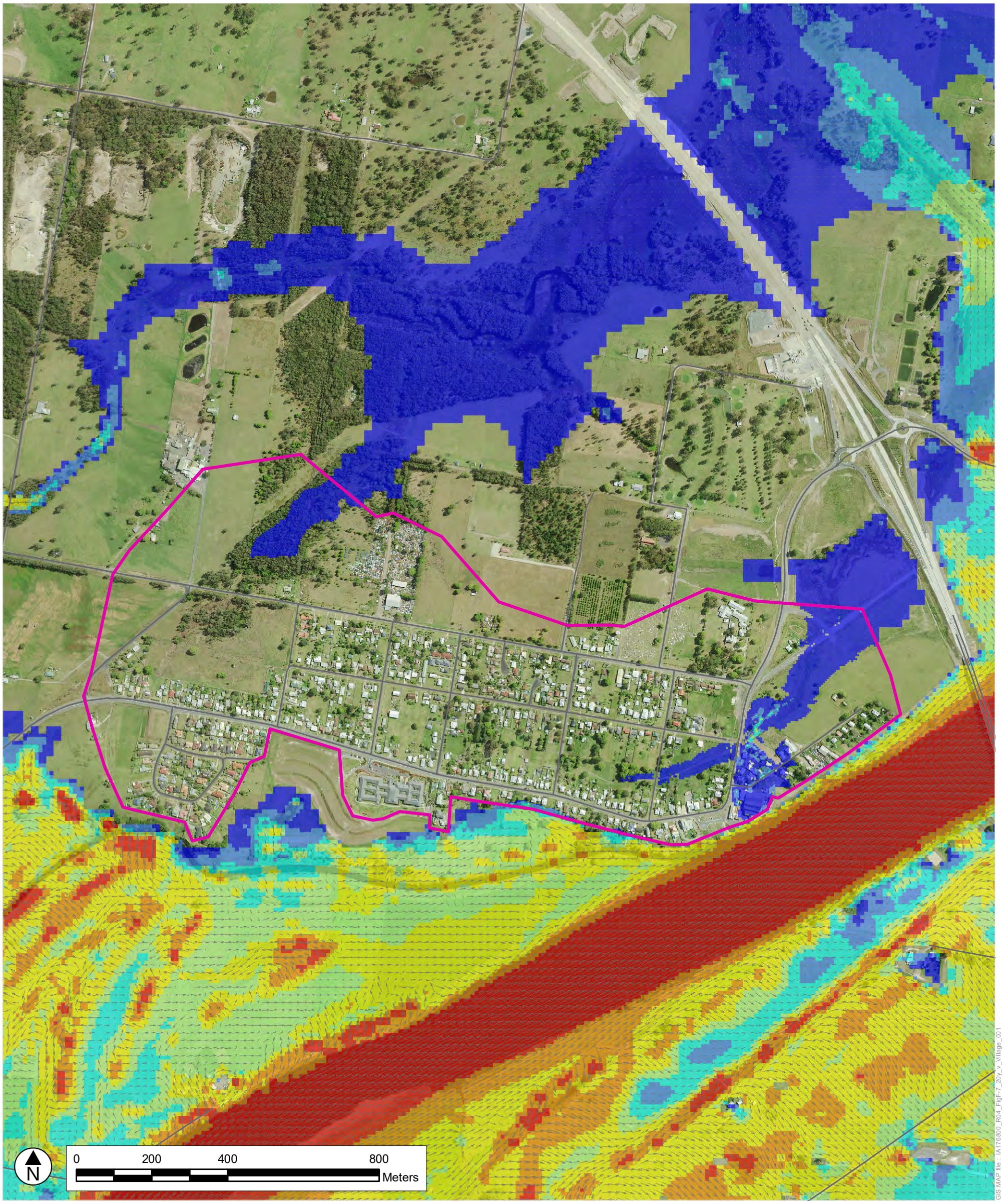
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(E)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

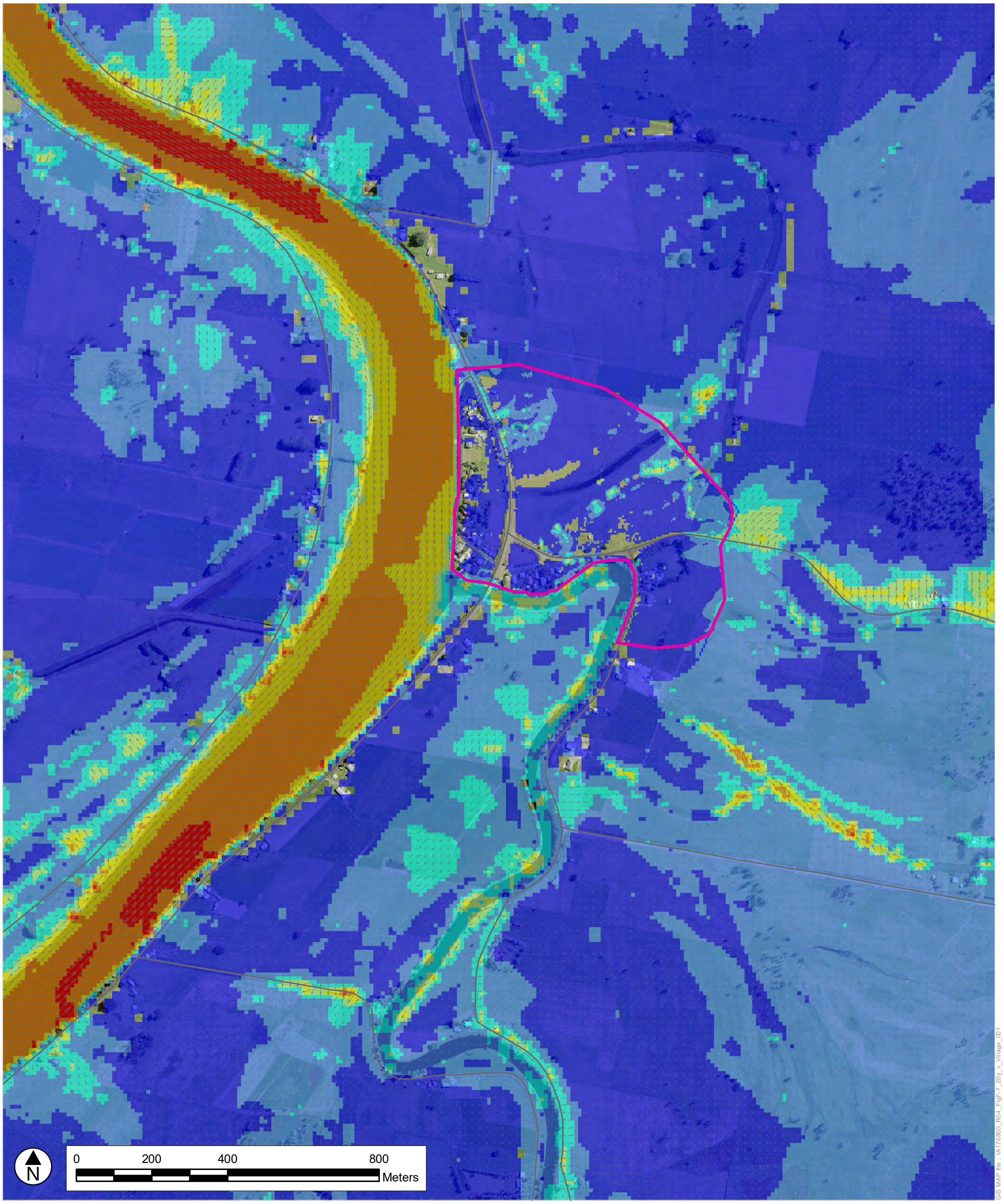
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(F)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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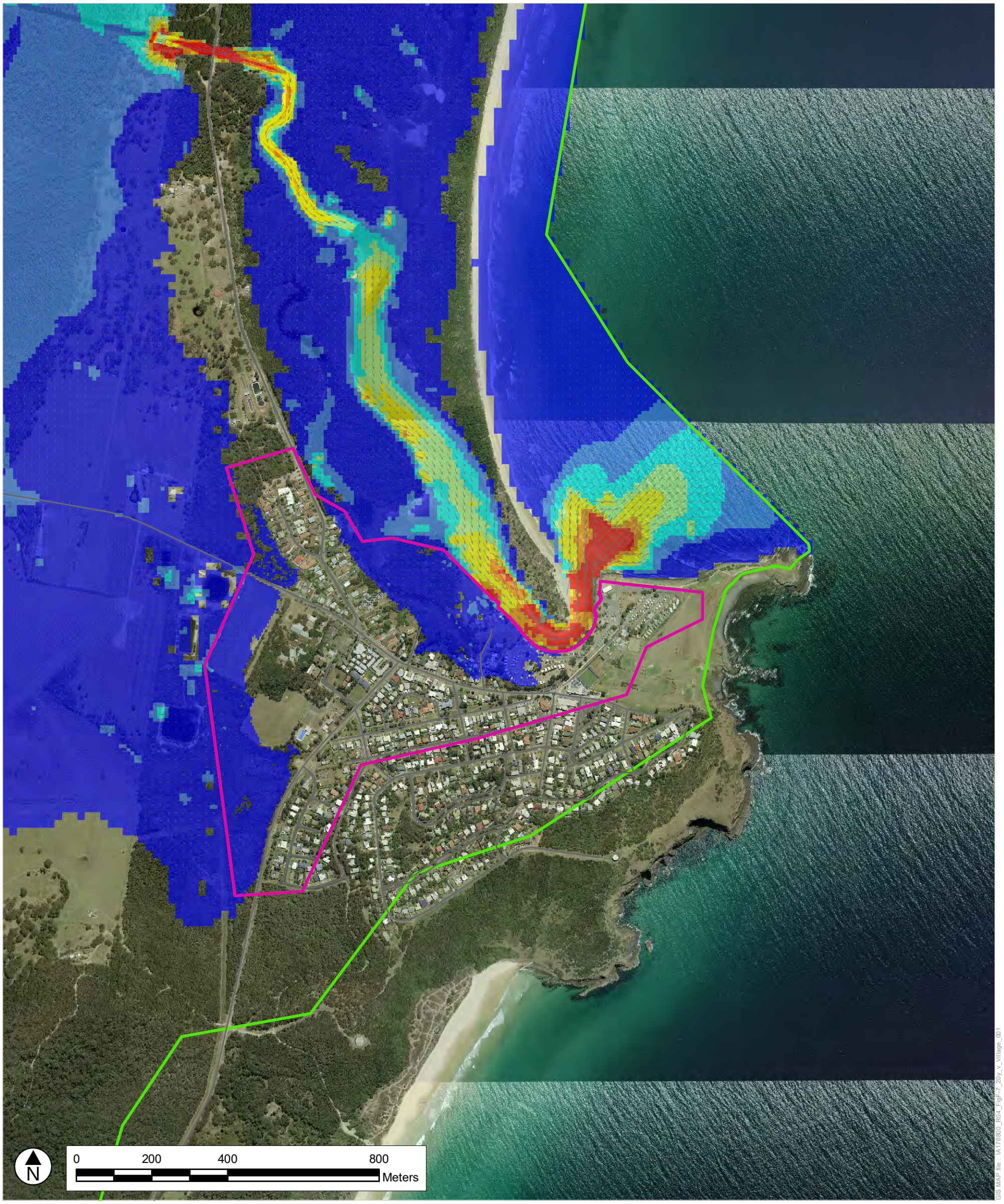
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(G)
CHECK	DATE	
AH	9/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

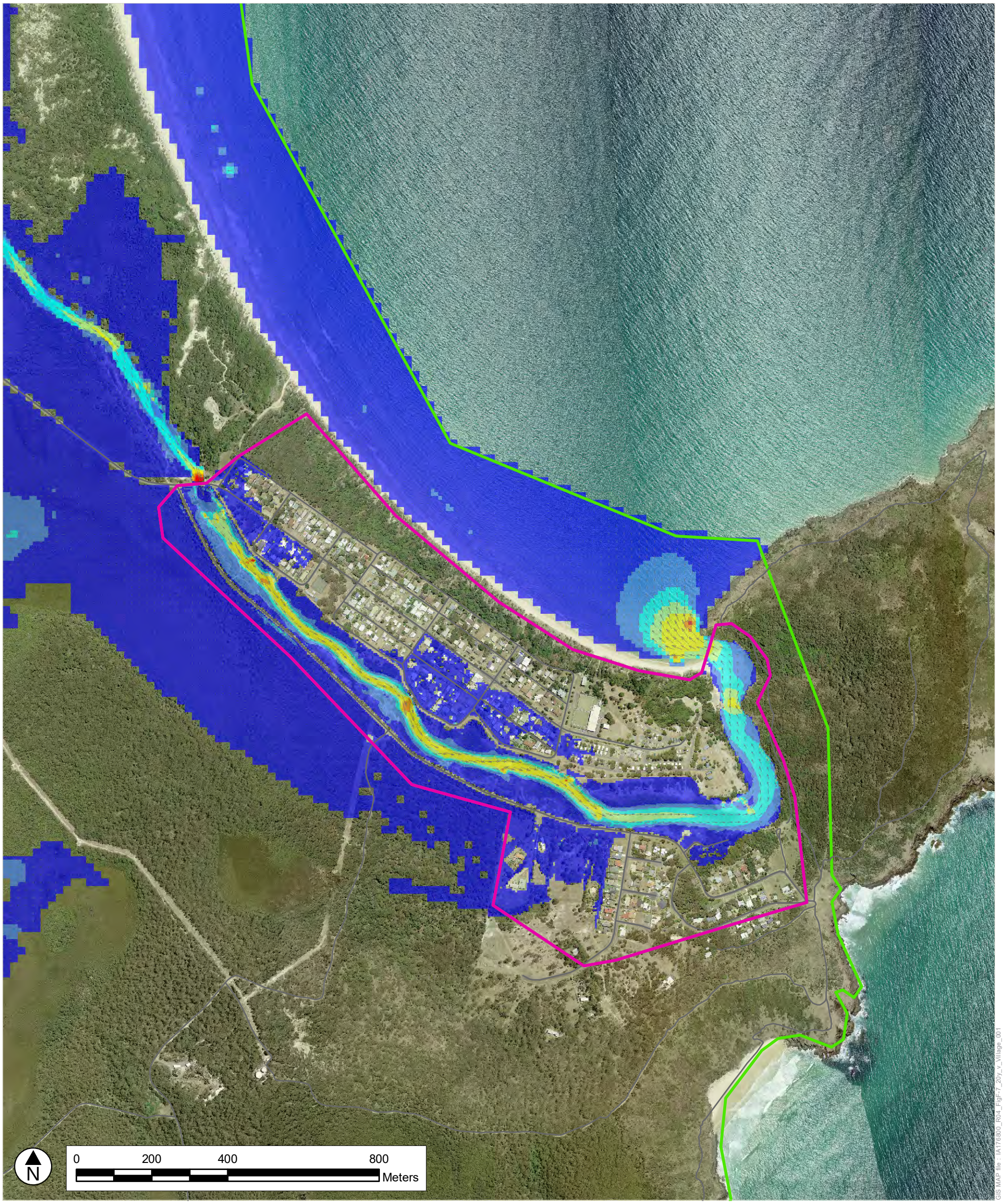
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(H)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

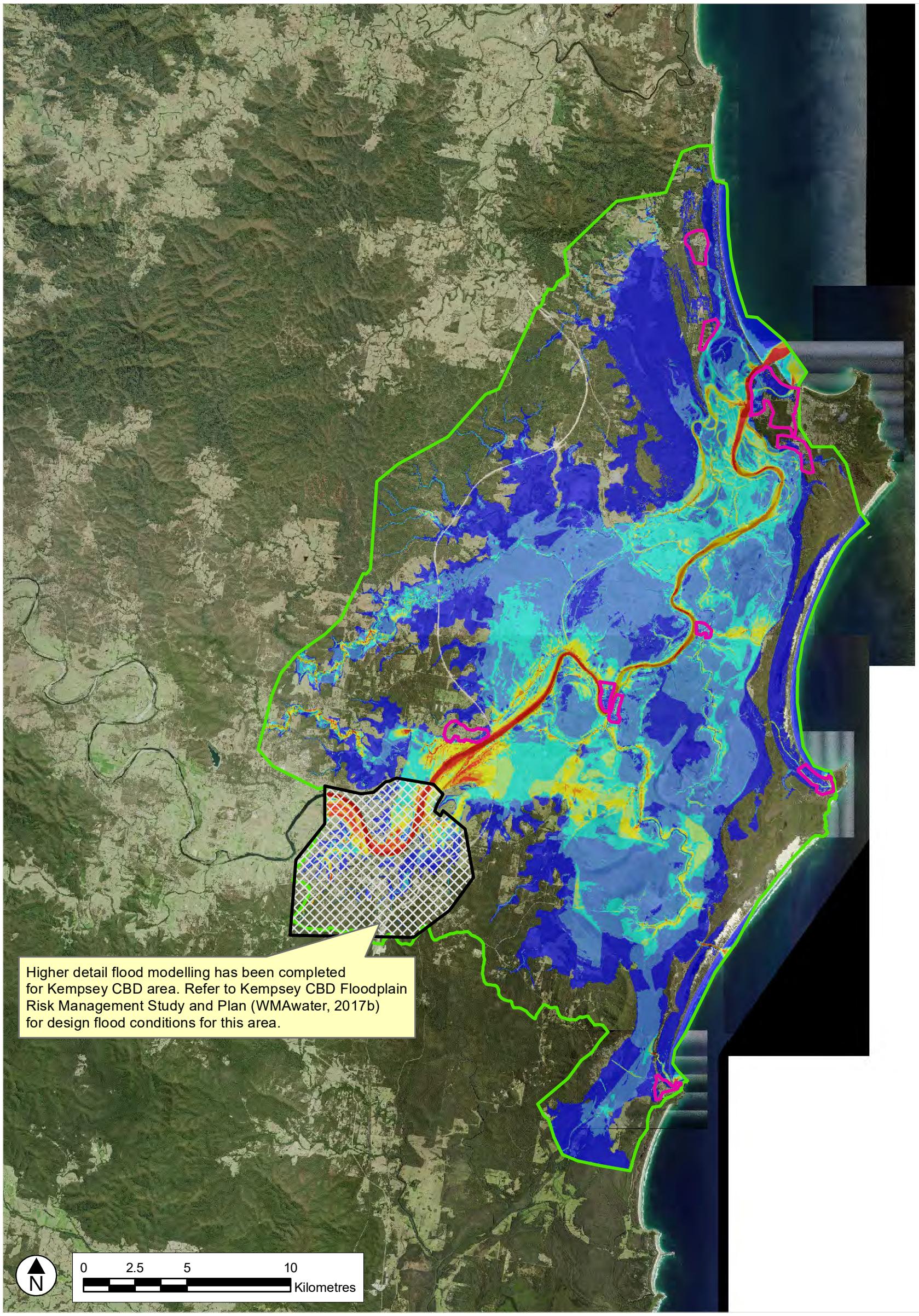
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Flow Velocity
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-7(I)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-7_20y_v_Village_001



GIS MAP file : IA176800_R04_FigF-8_100y_v_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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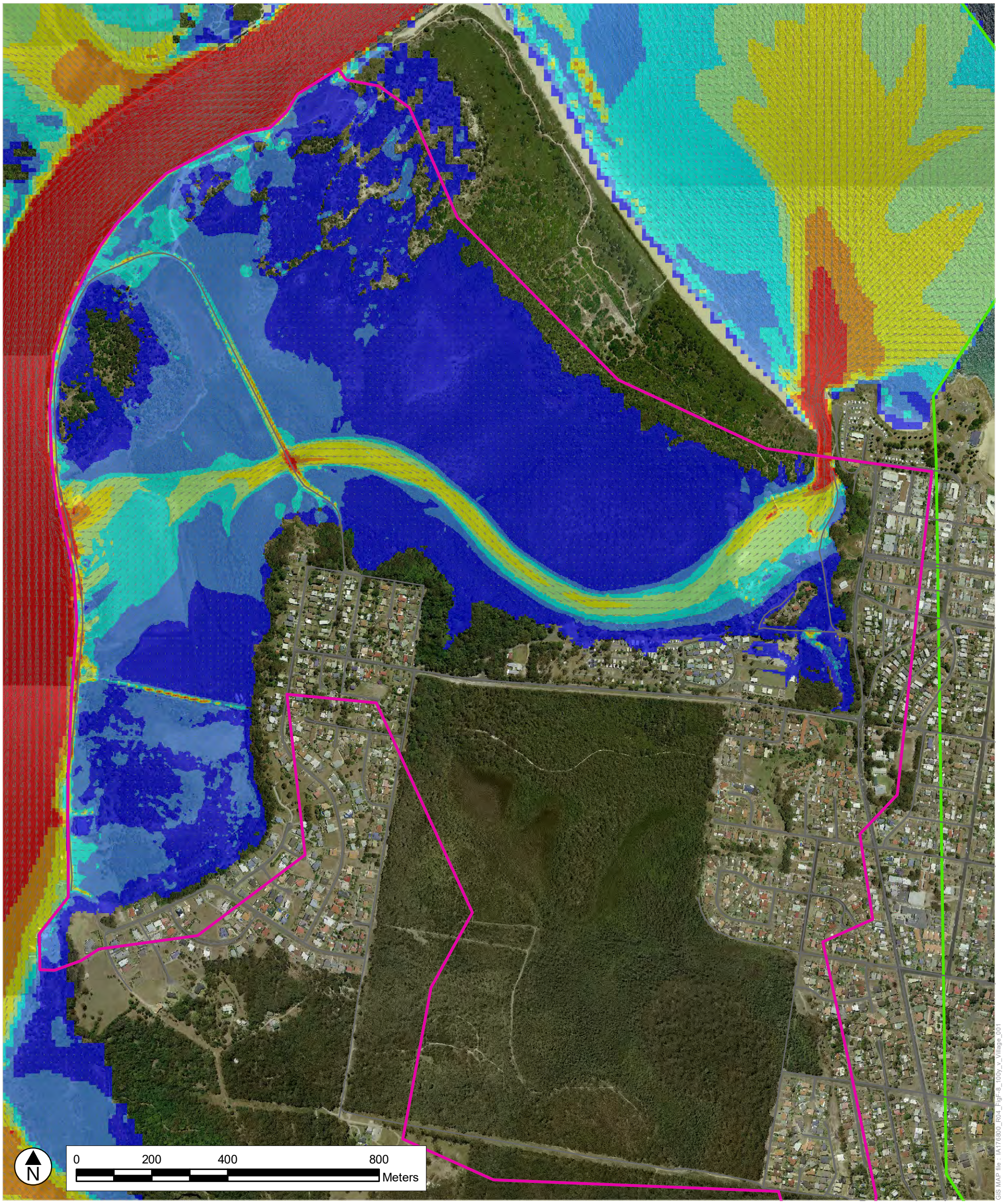
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event Flow Velocity

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-8	1	1
CHECK	DATE			
AH	3/09/2019			



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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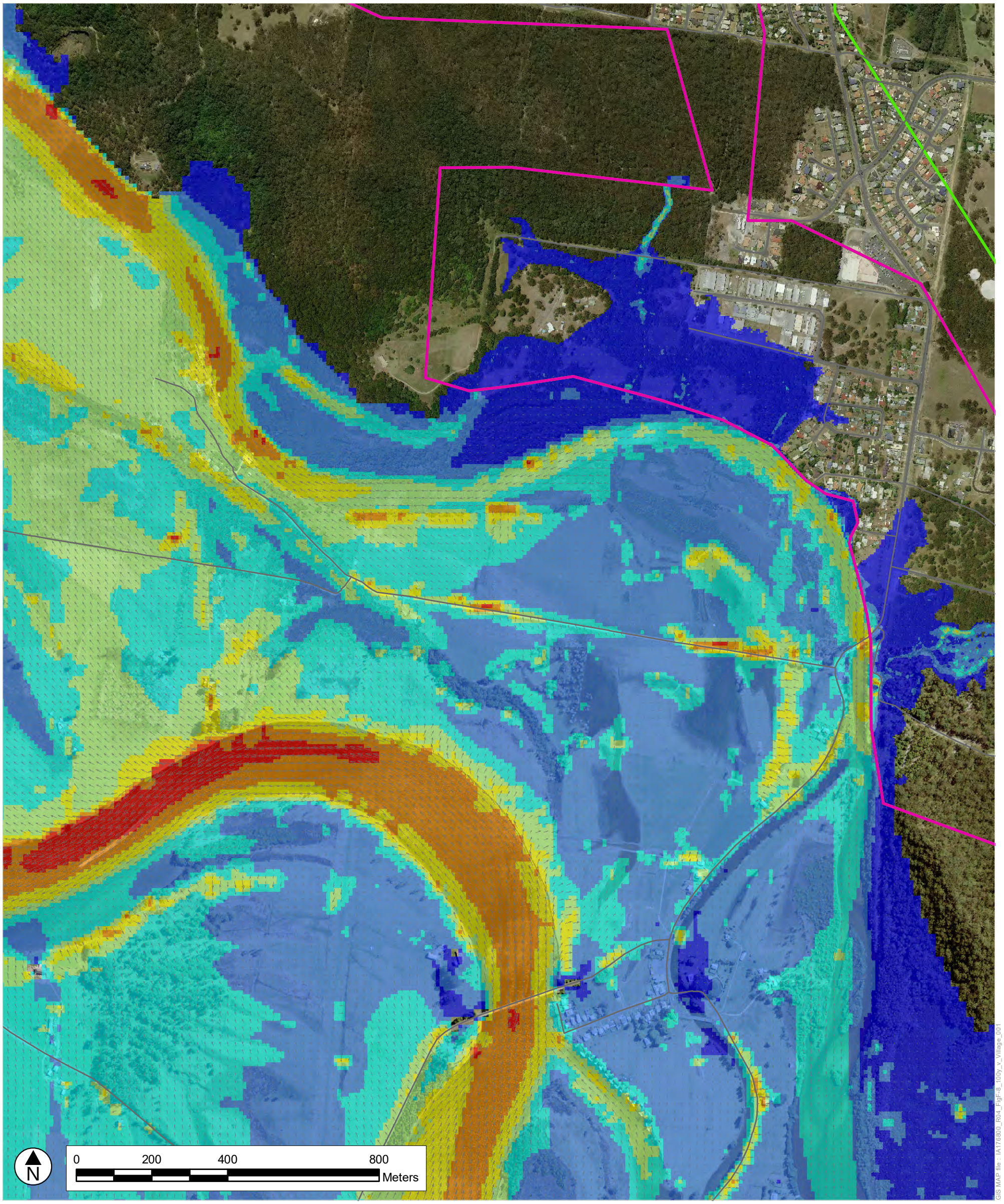
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(A)
CHECK	DATE	
AH	3/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

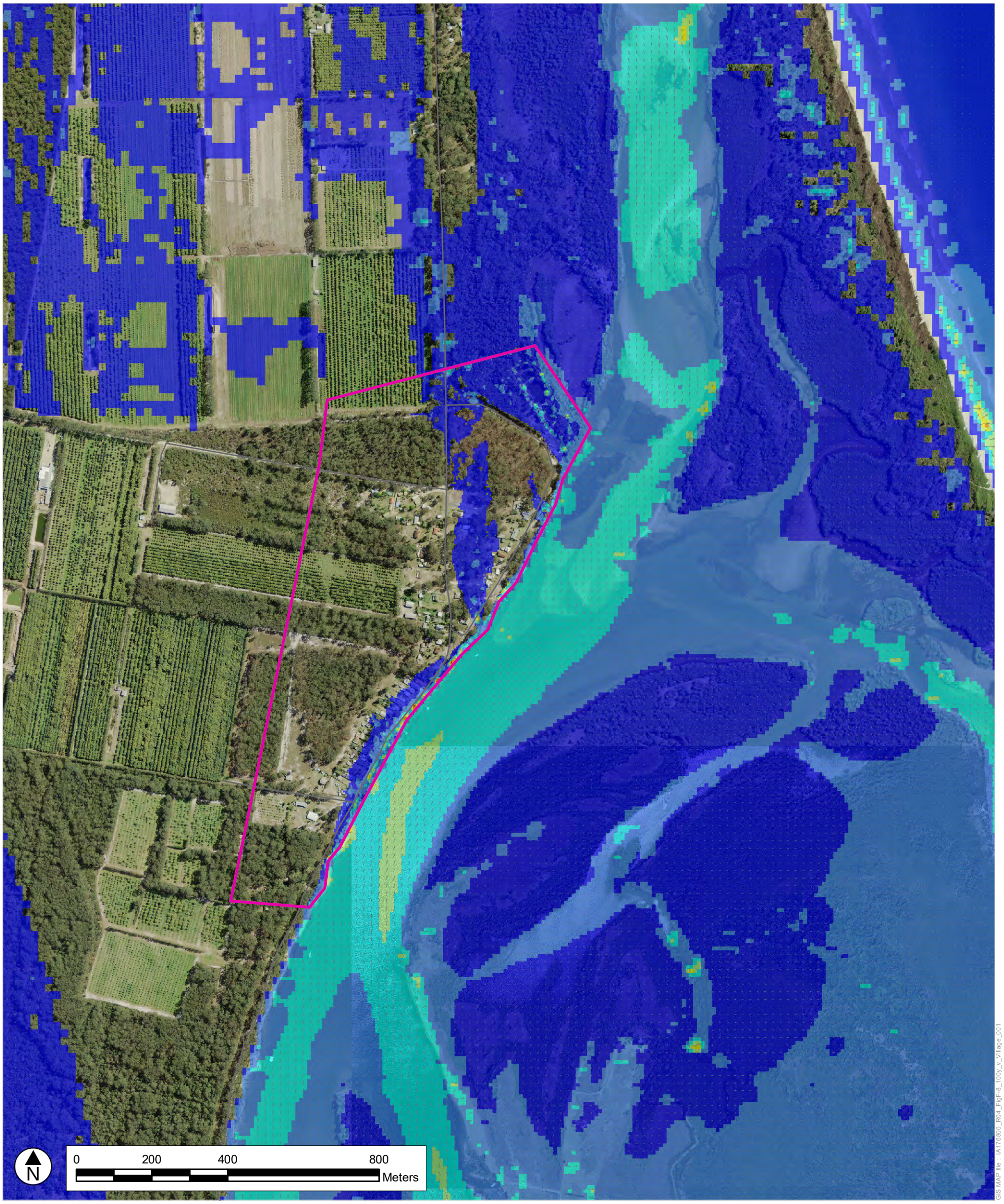
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(B)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file - IA176800_R04_FigF-8_100y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

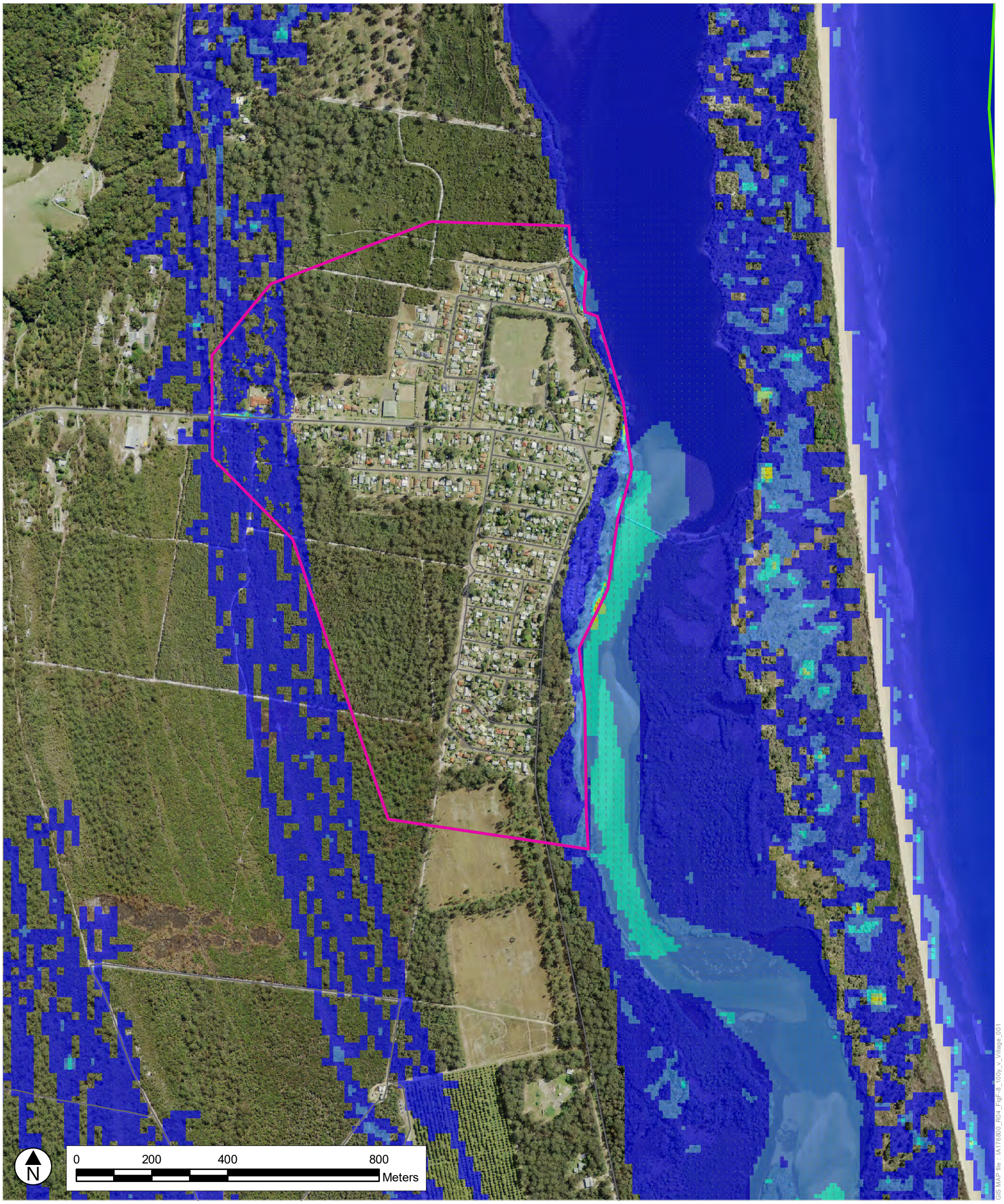
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(C)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file - IA176800_R04_FigF-8_100y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

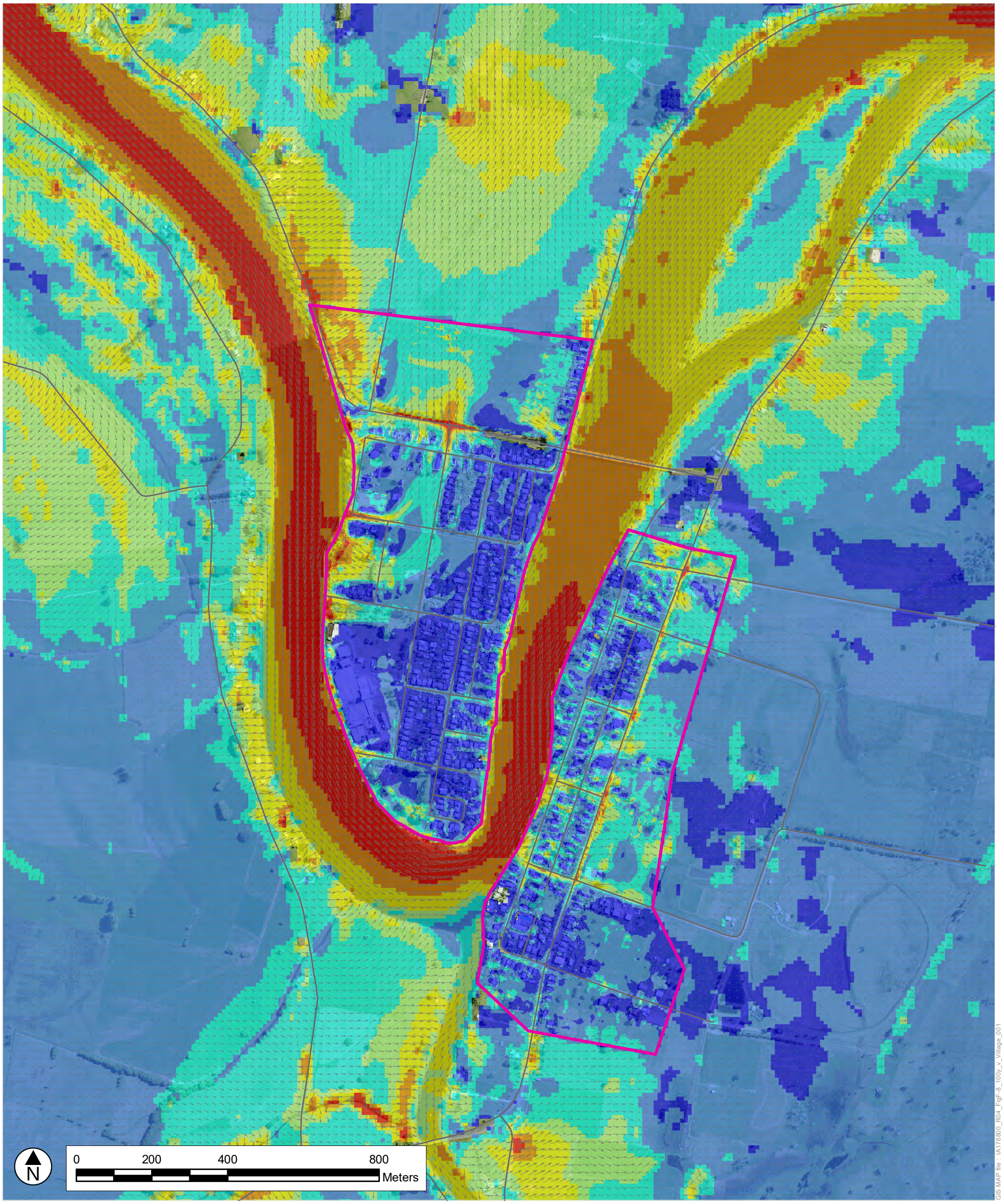
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(D)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-8_100y_v_Village_001



GIS MAP file : IA176800_R04_FigF-8_100y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

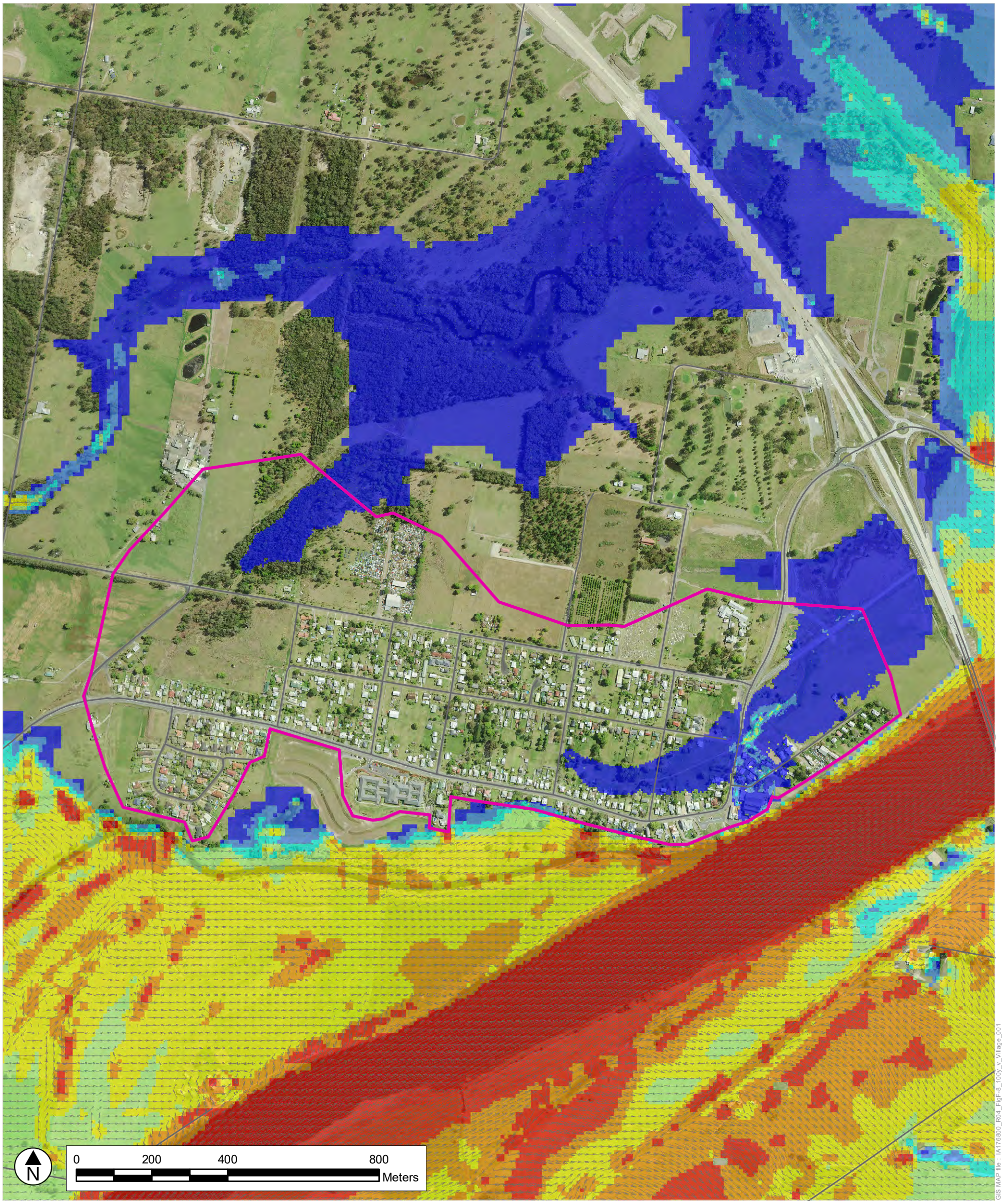
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(E)
CHECK	DATE	
AH	3/09/2019	



GIS MAP file : IA176800_R04_FigF-8_100y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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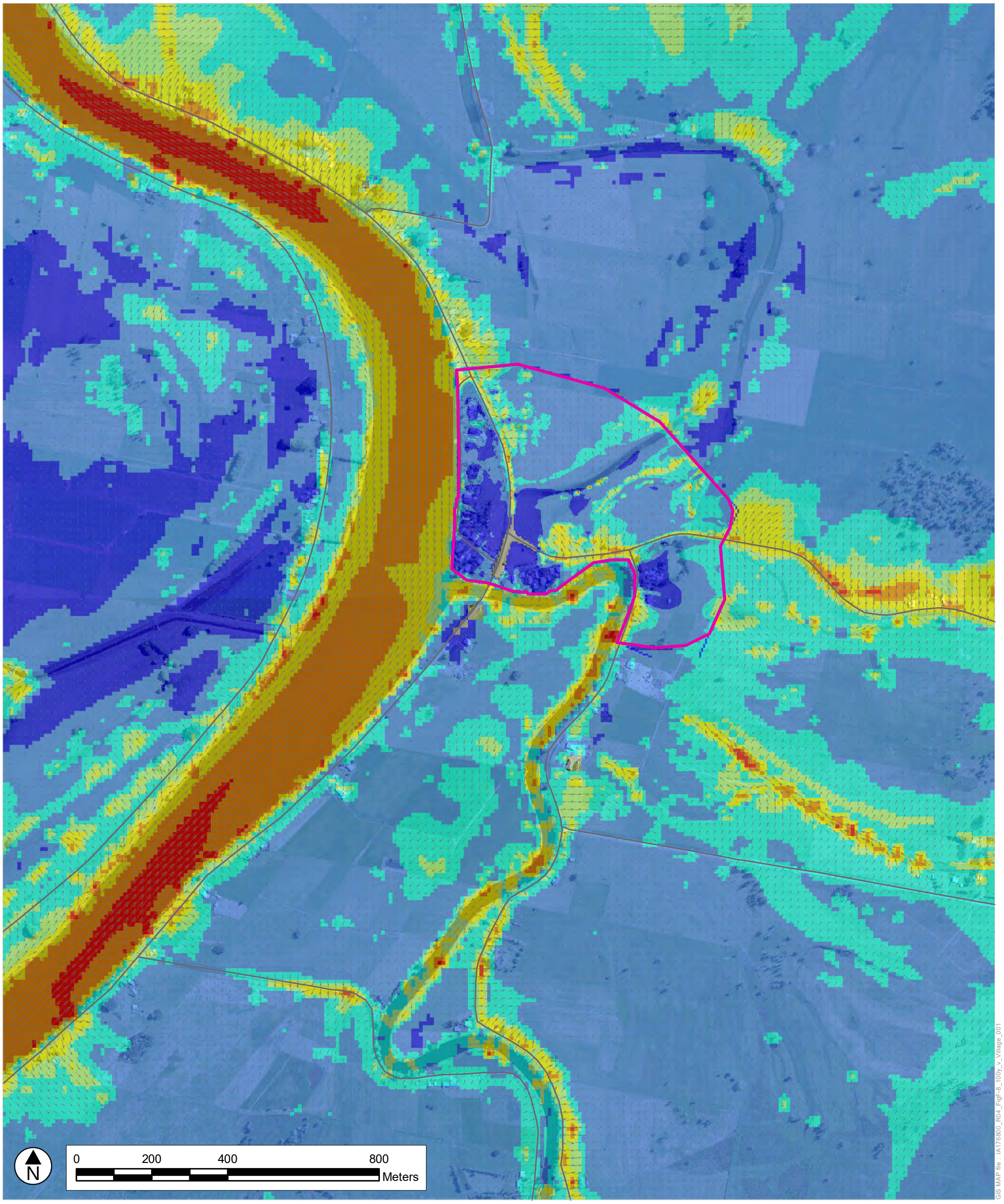
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(F)
CHECK	DATE	
AH	3/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

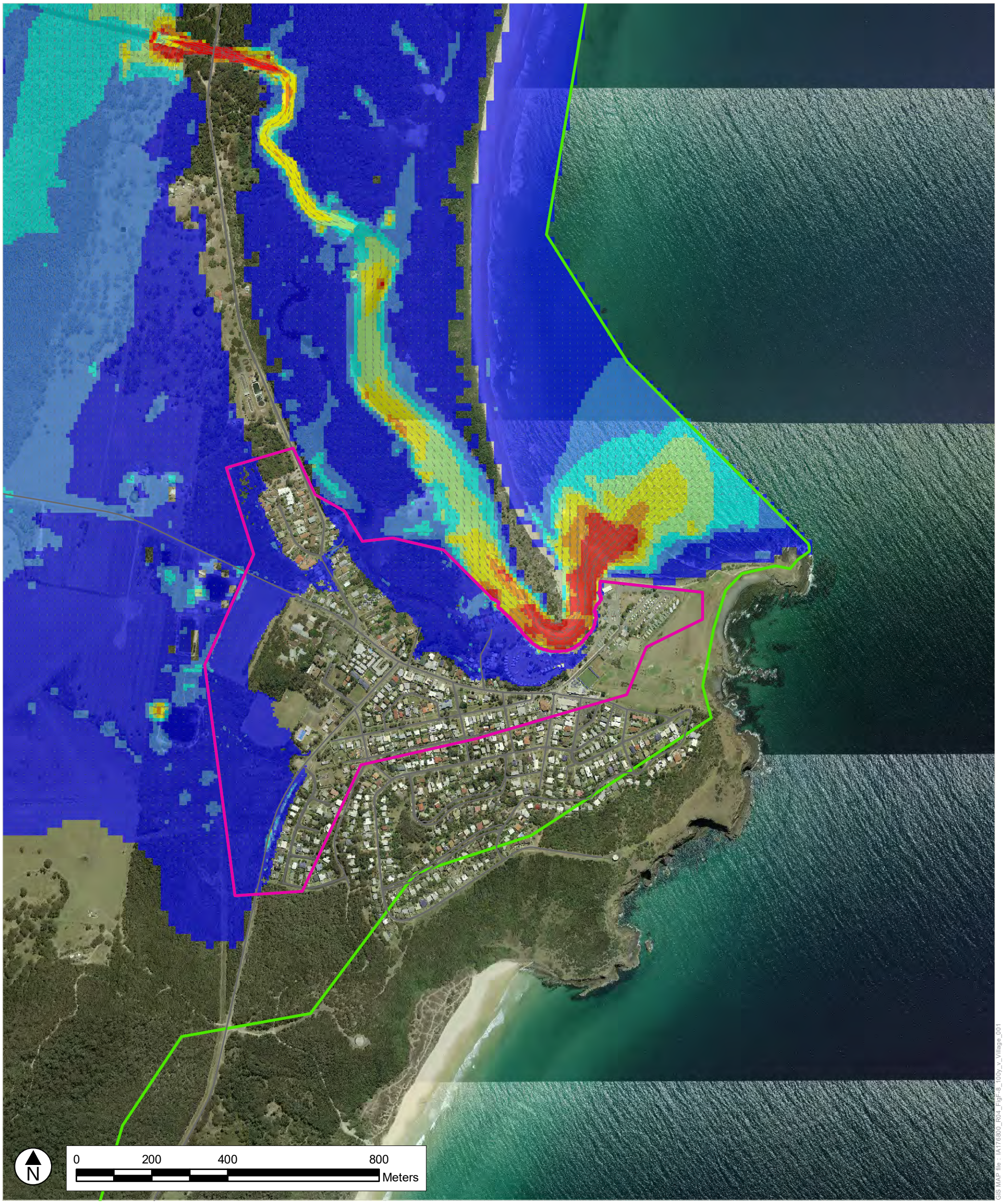
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(G)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-8_100y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

SHEET 1 of 1

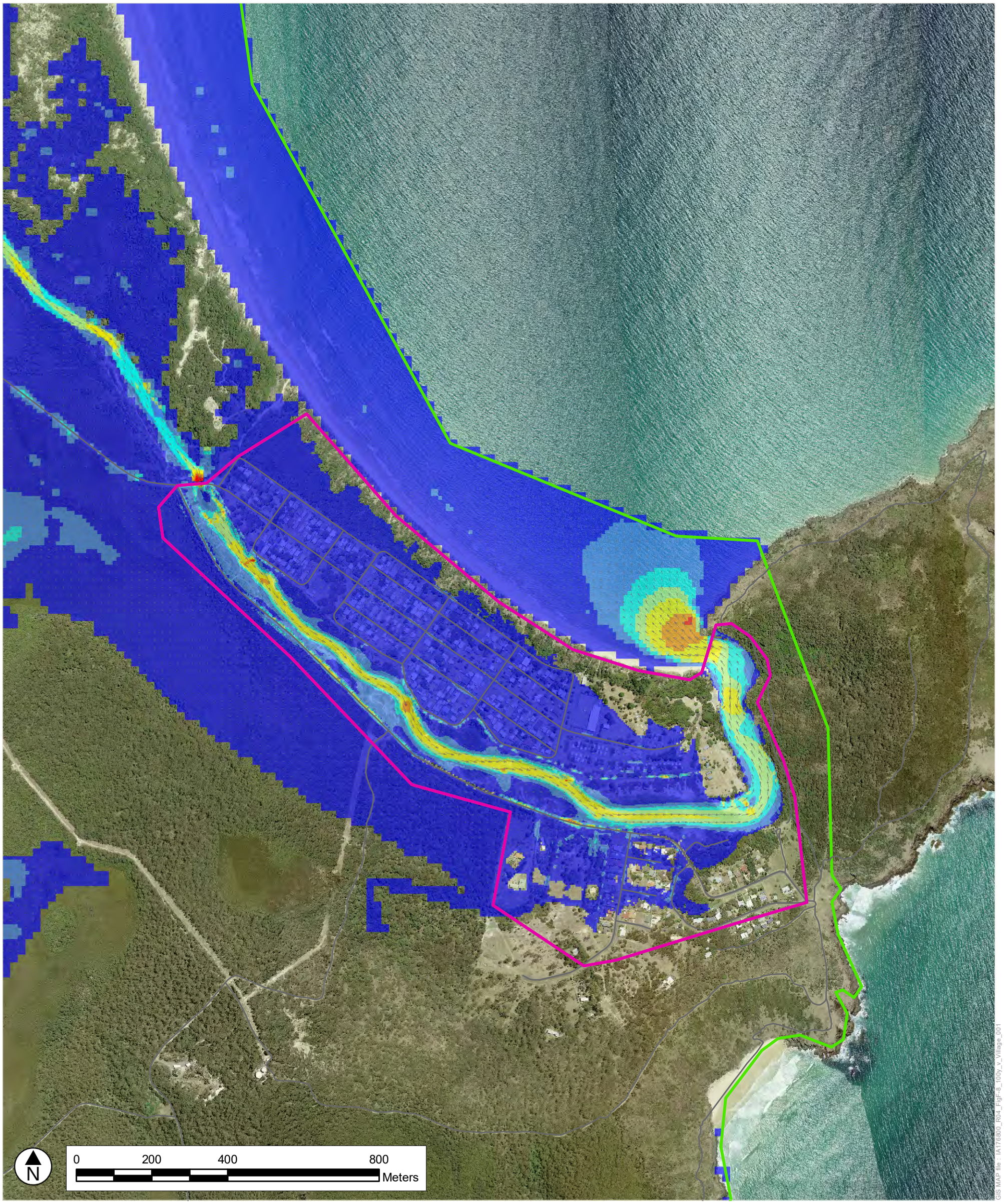
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(H)
CHECK	DATE	
AH	3/09/2019	

GIS MAP file : IA176800_R04_FigF-8_100y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

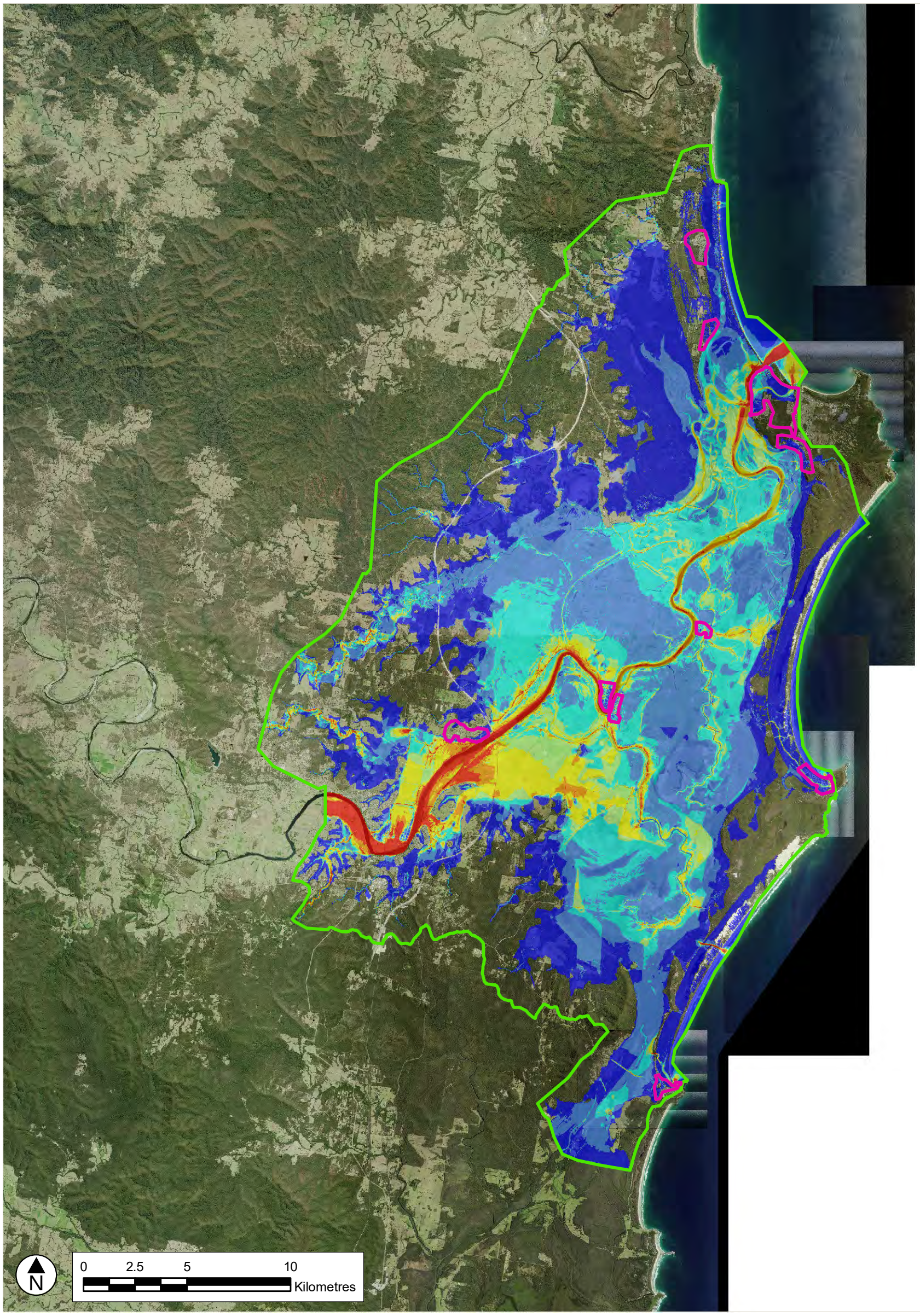
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Flow Velocity
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-8(I)
CHECK	DATE	
AH	3/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

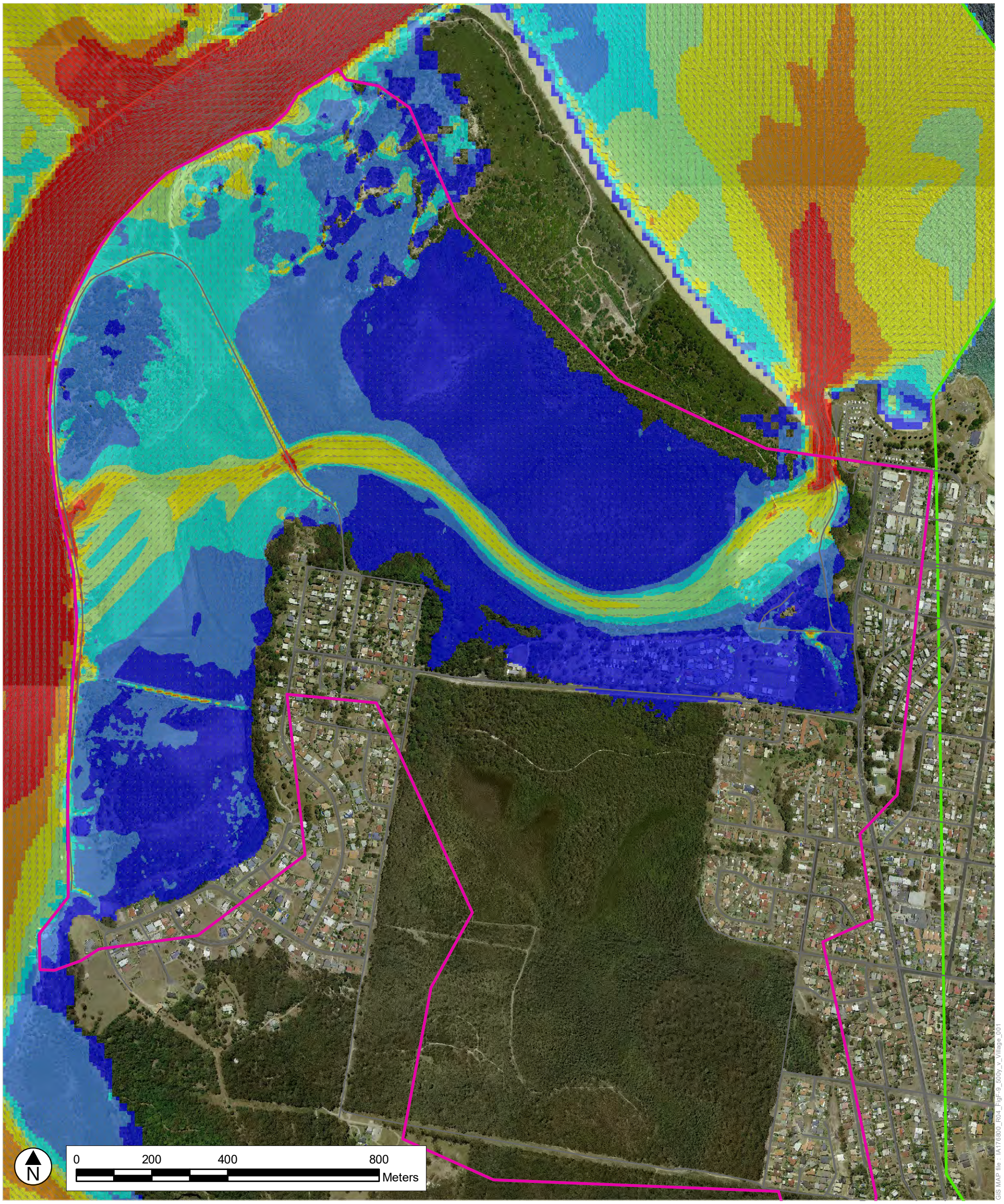
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-9	1	1
CHECK	DATE			
AH	3/09/2019			

GIS MAP file : IA176800_R04_FigF-9_500y_v_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

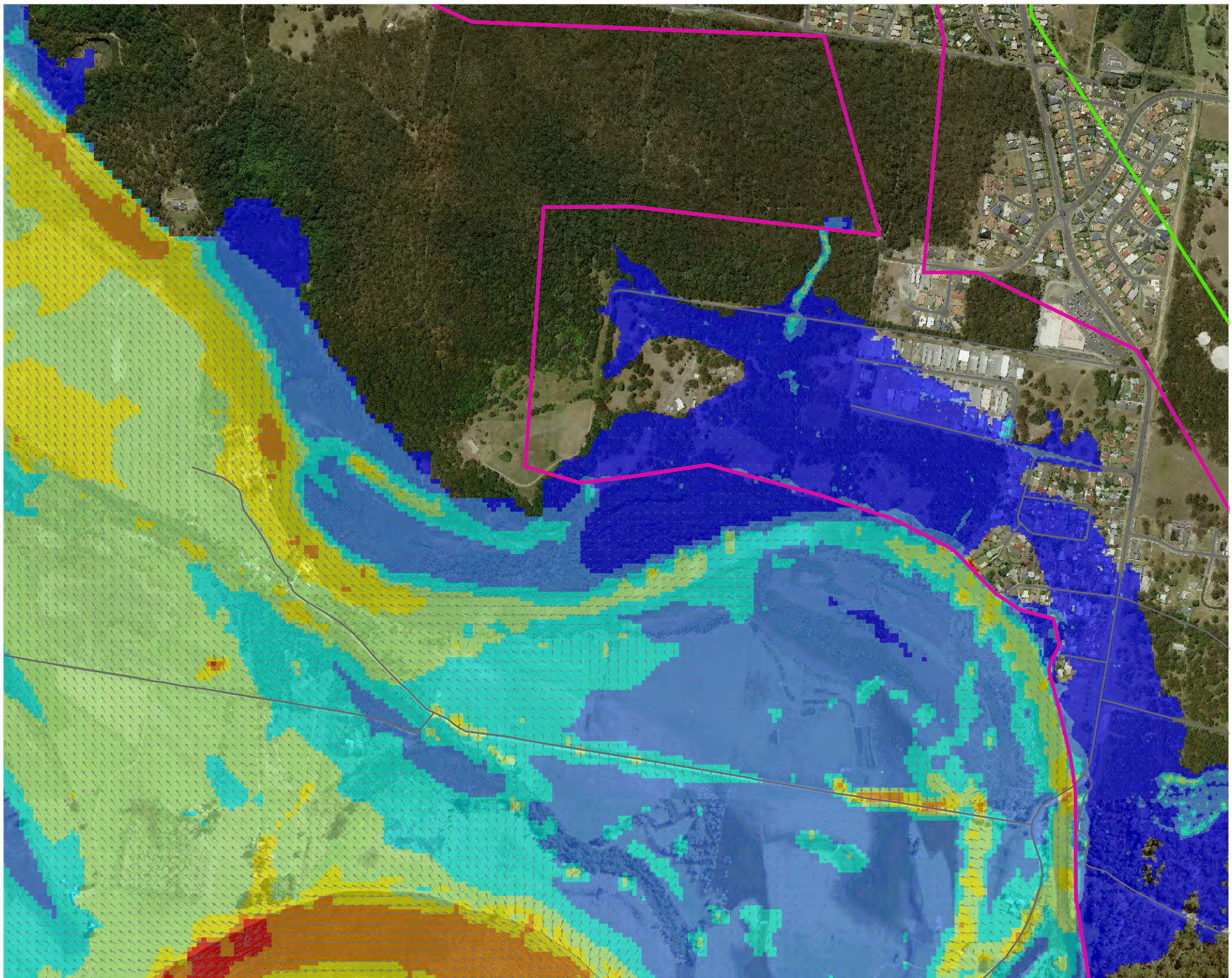
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(A)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

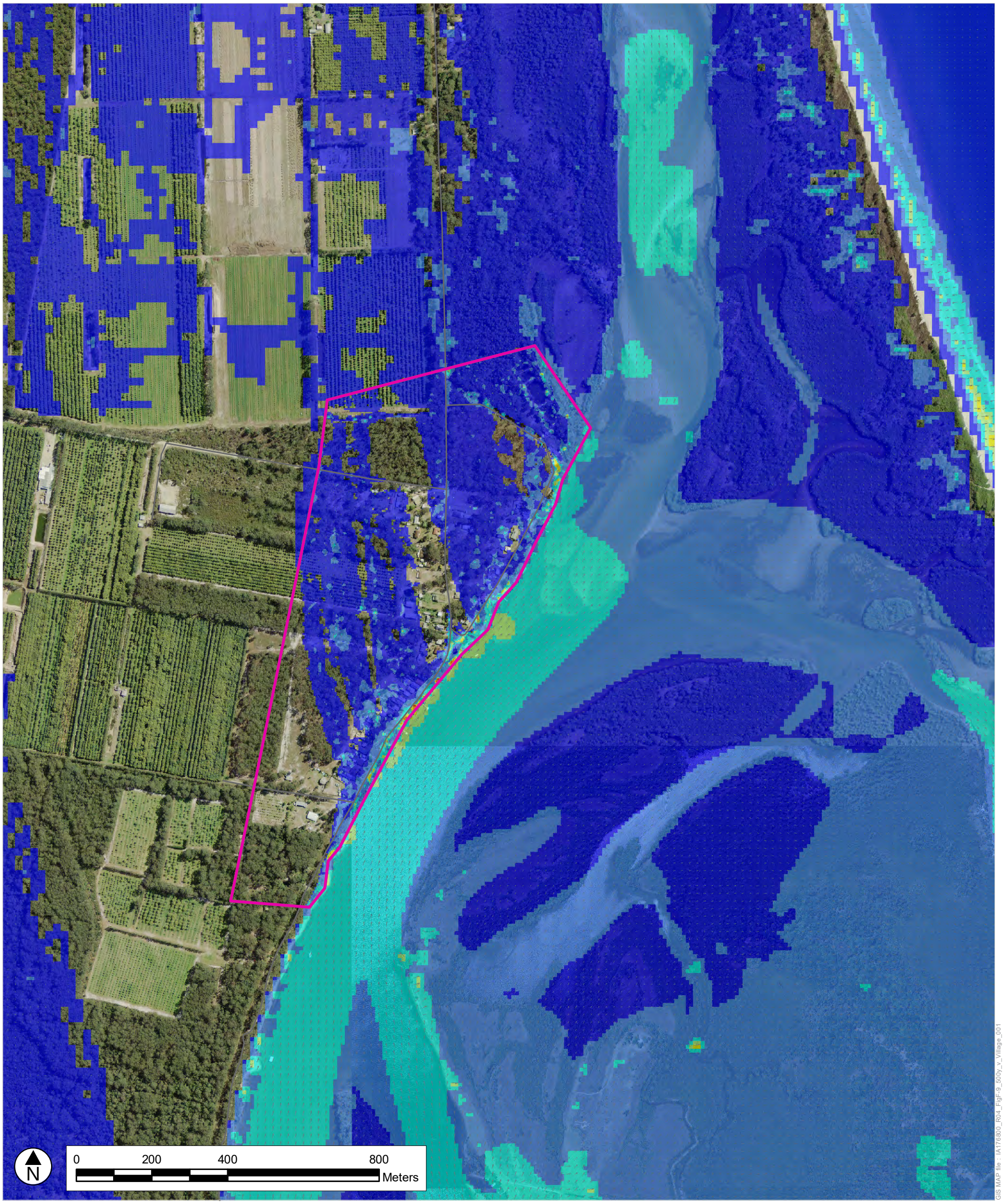
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(B)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

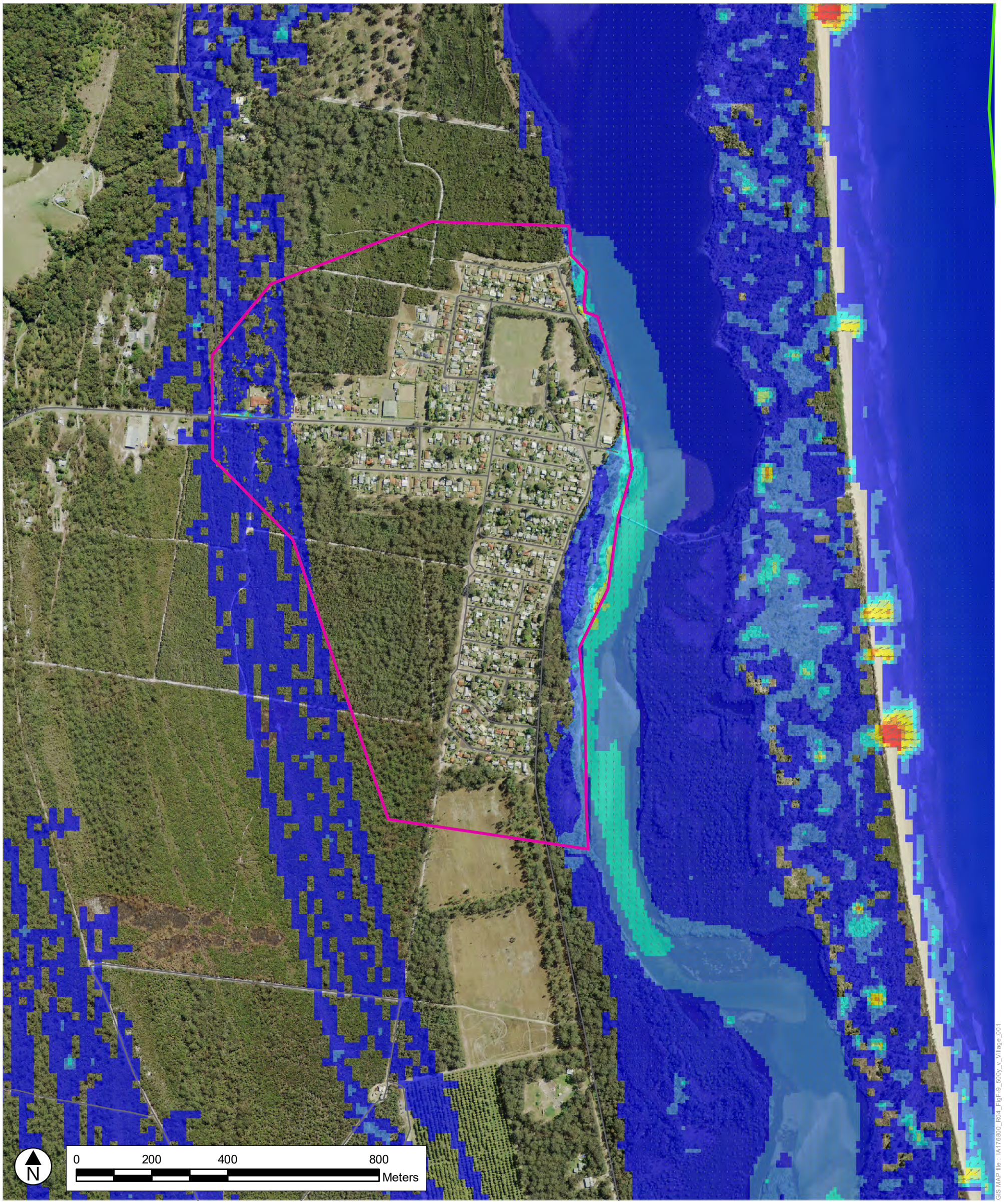
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(C)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001



GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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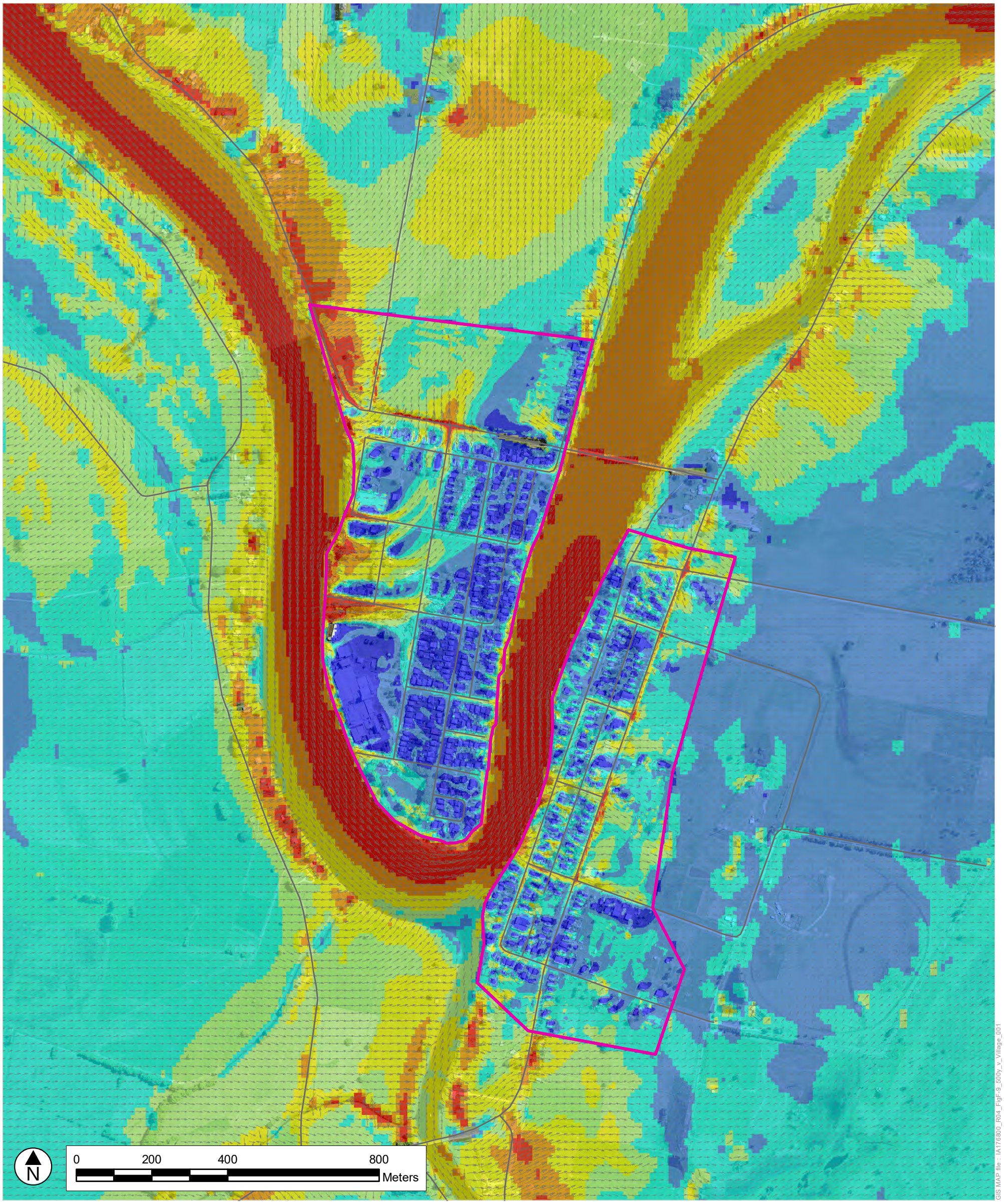
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(D)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

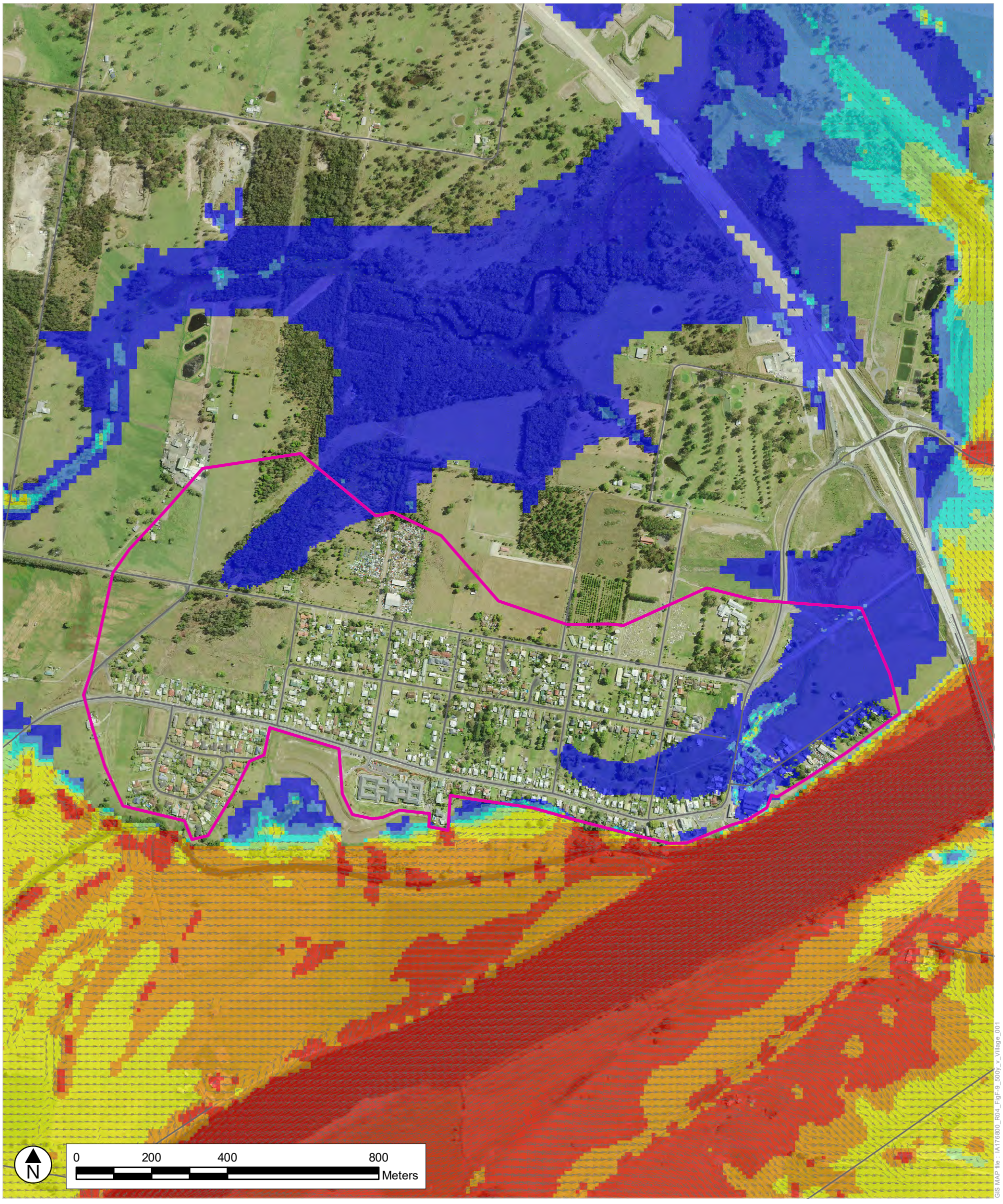
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(E)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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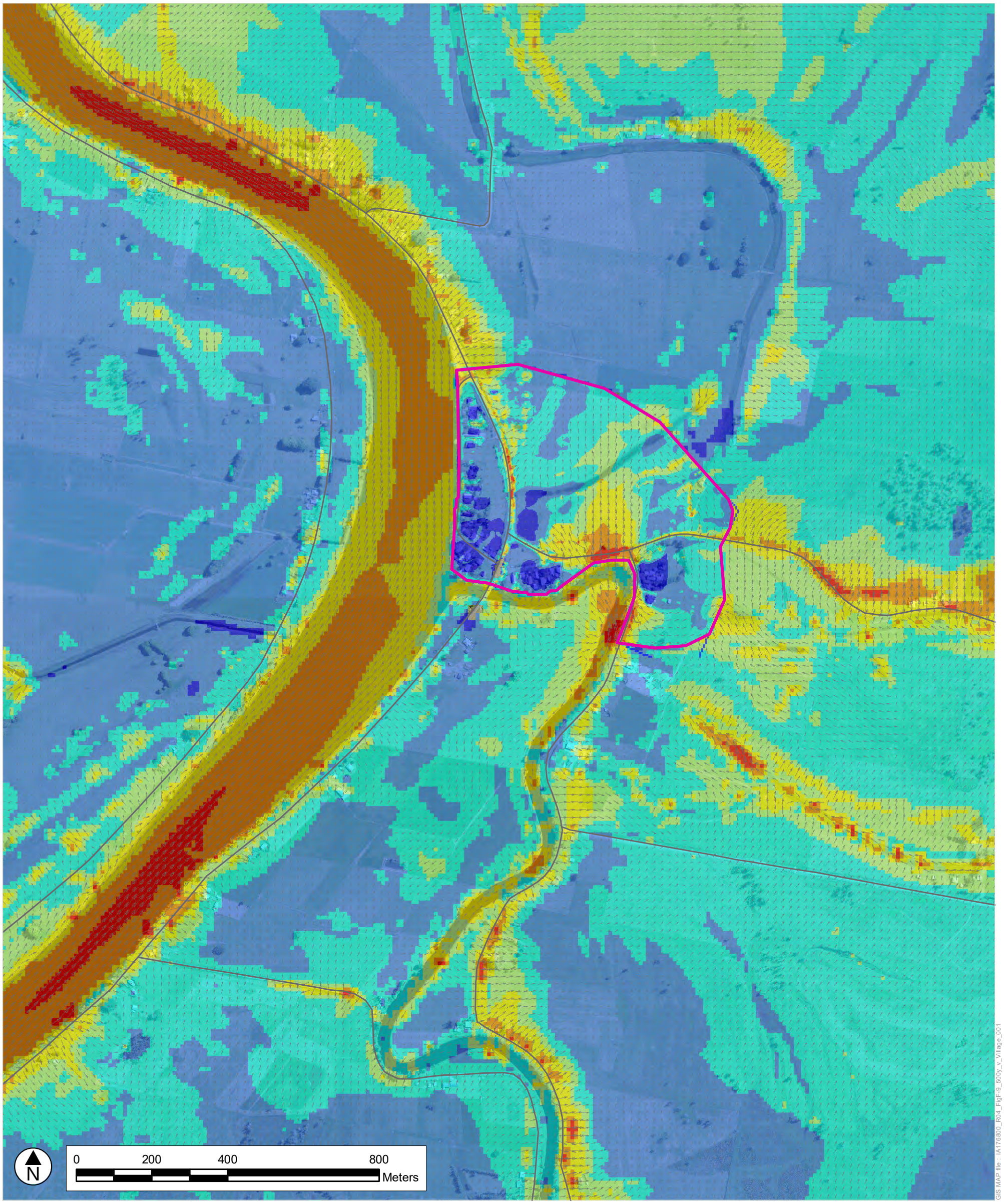
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(F)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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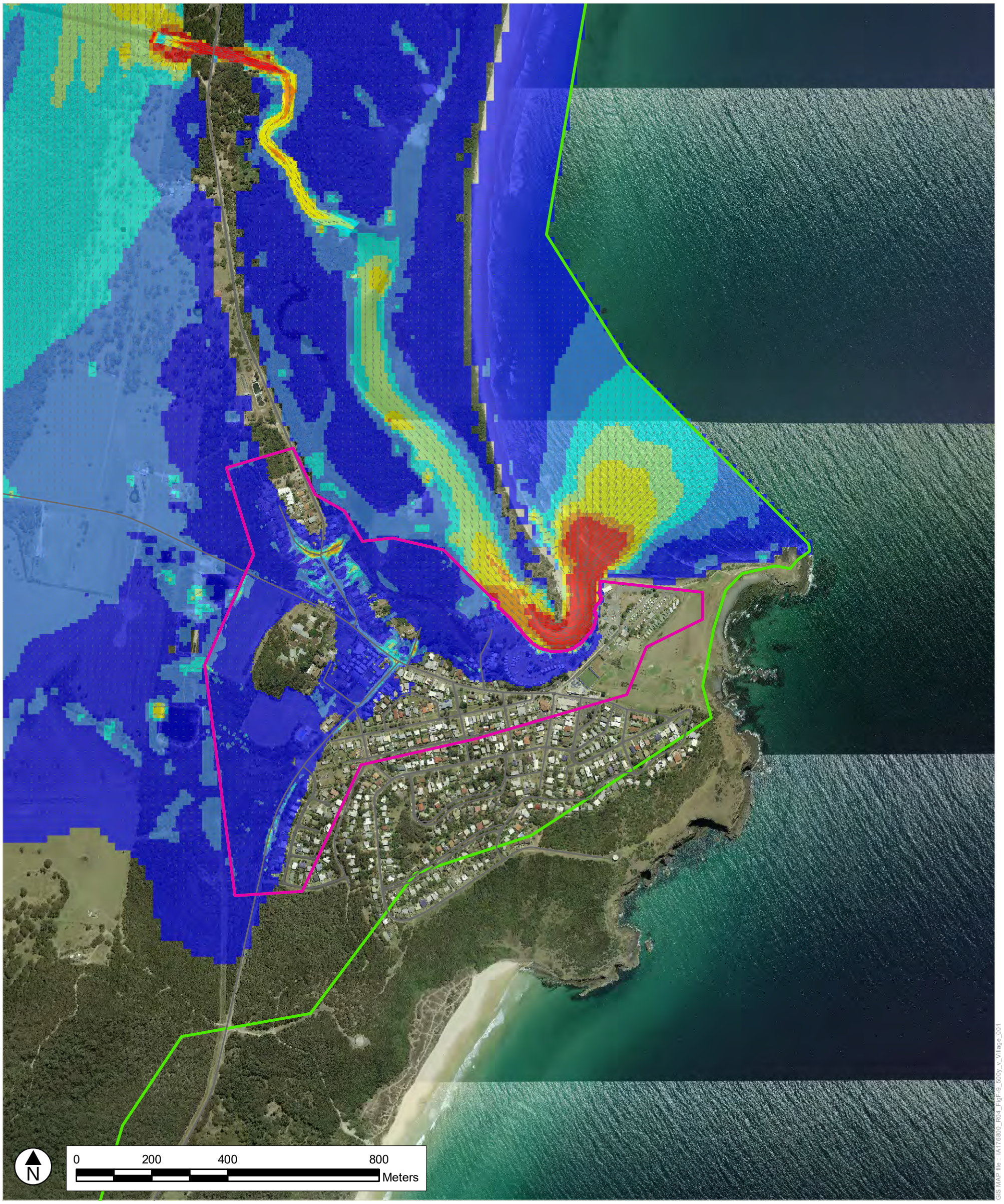
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(G)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

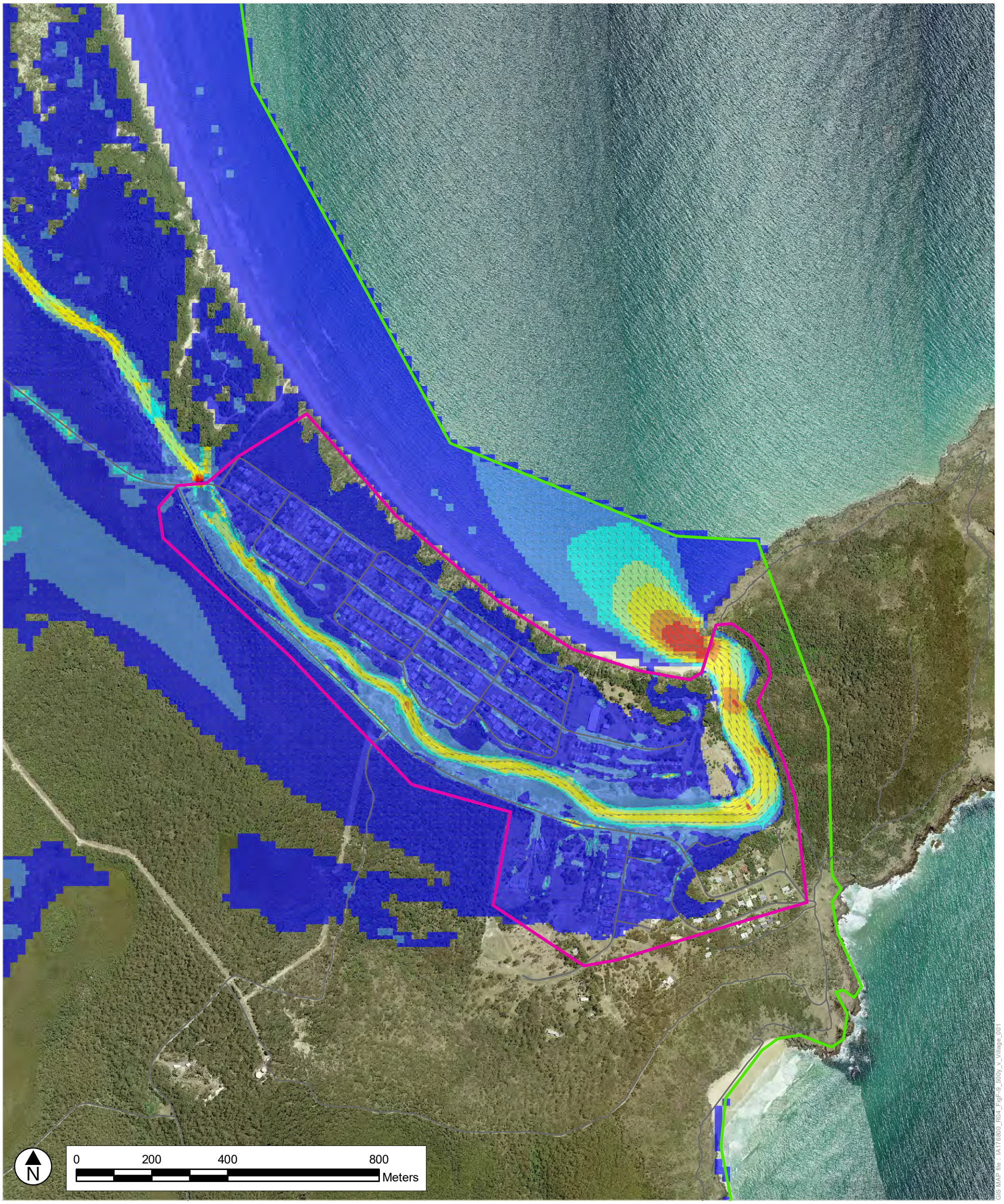
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(H)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-9_500y_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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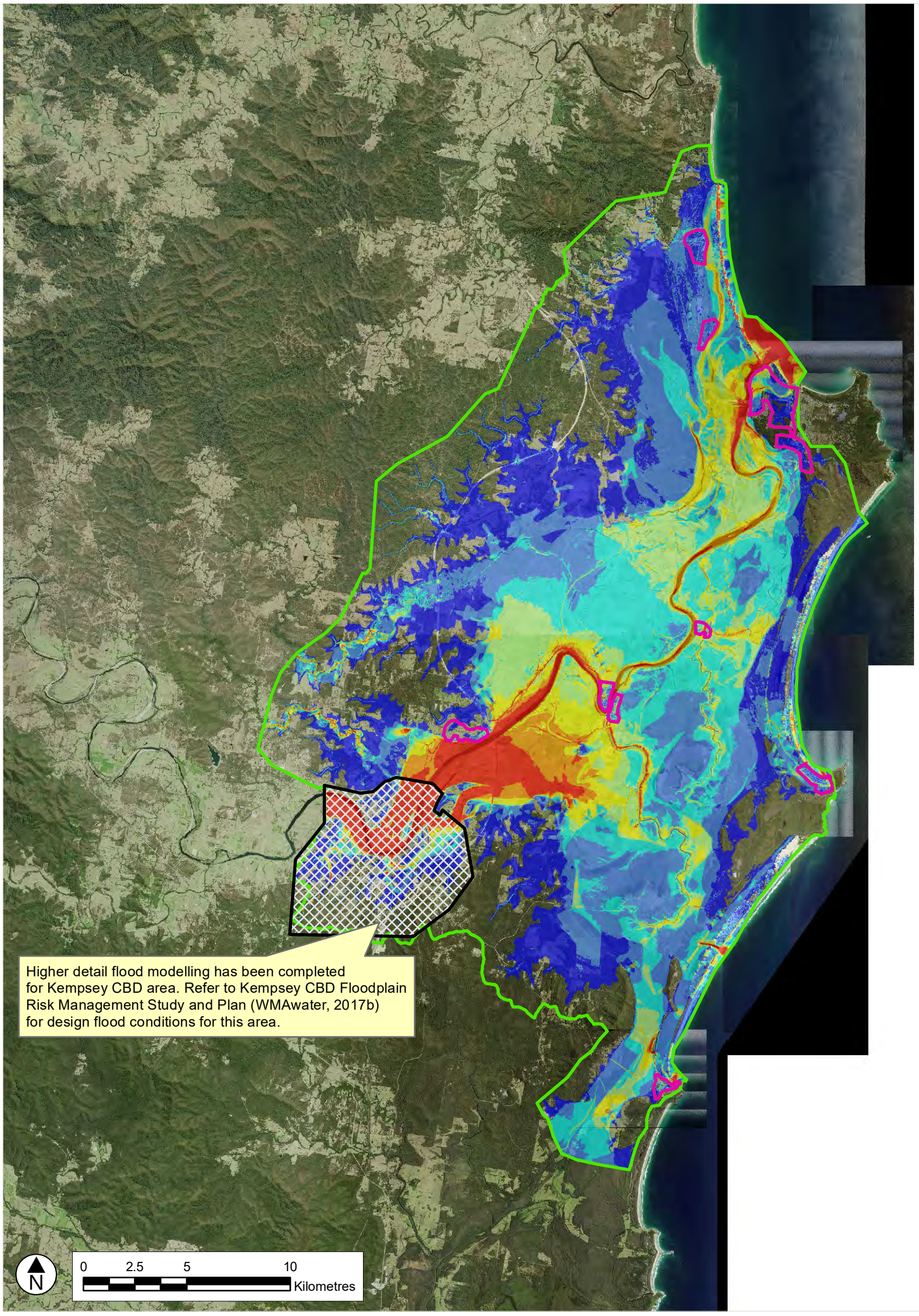
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Flow Velocity
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-9(I)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-10_PMF_v_001

Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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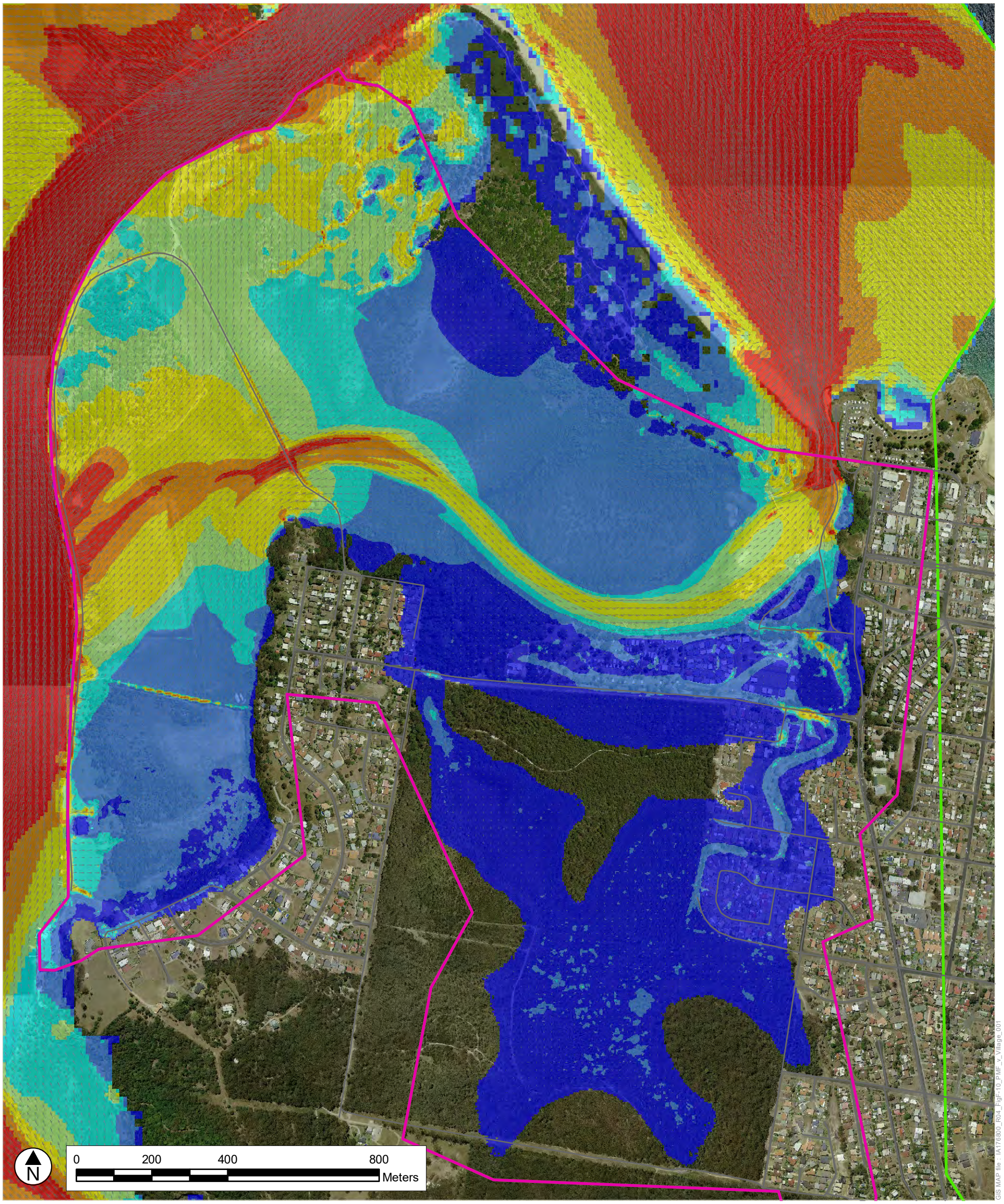
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-10	1	1
CHECK	DATE			
AH	3/09/2019			



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

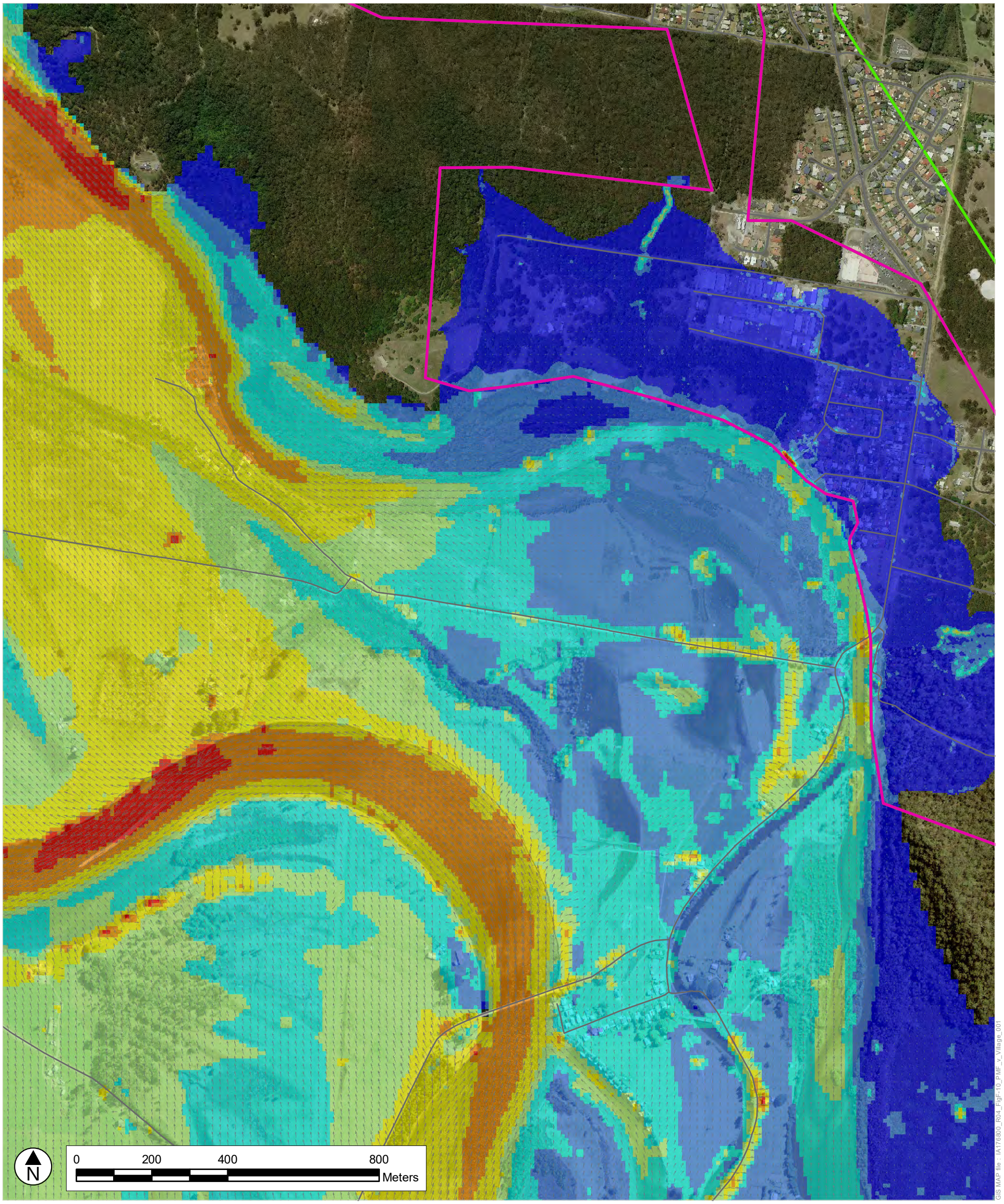
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(A)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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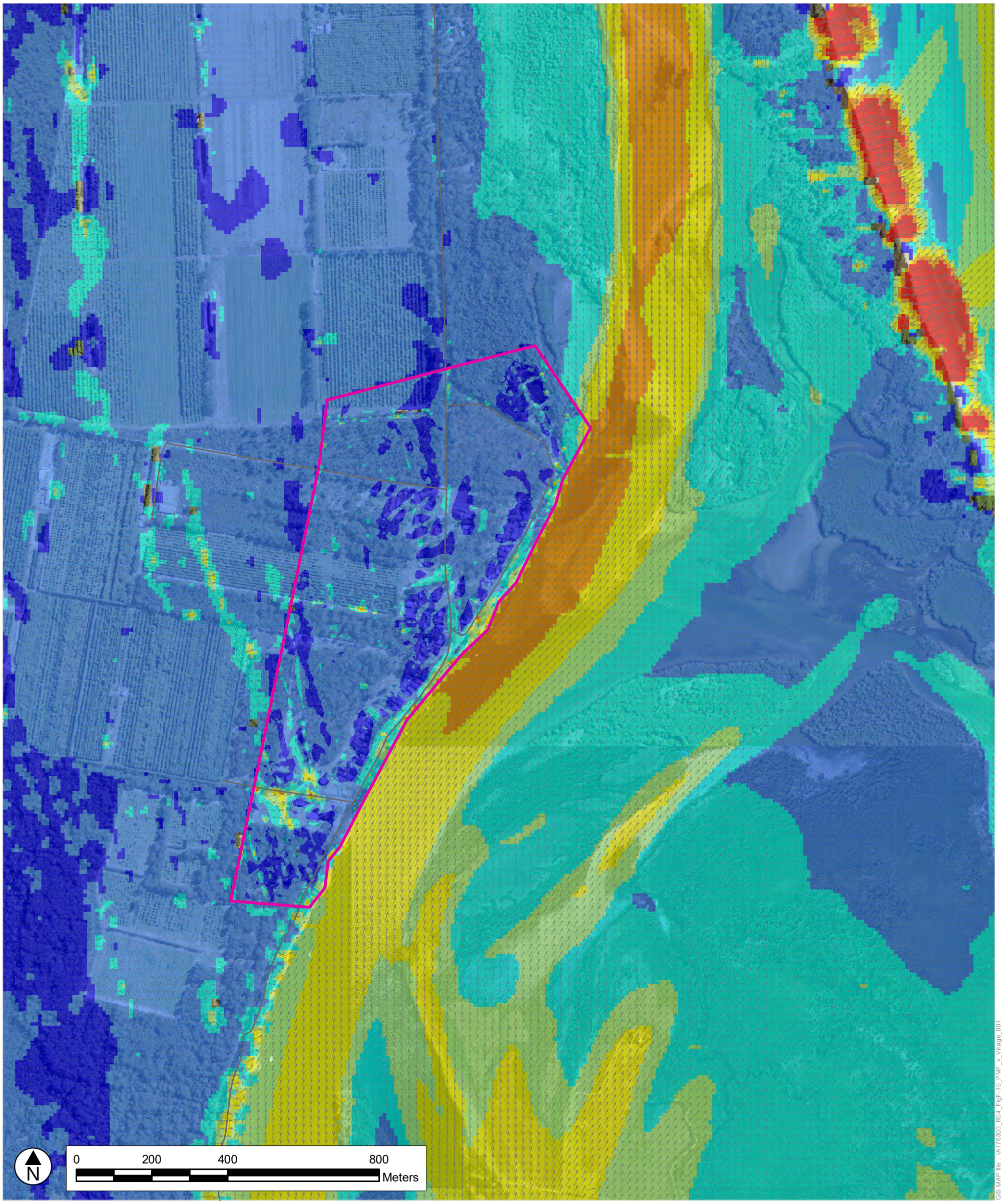
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(B)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

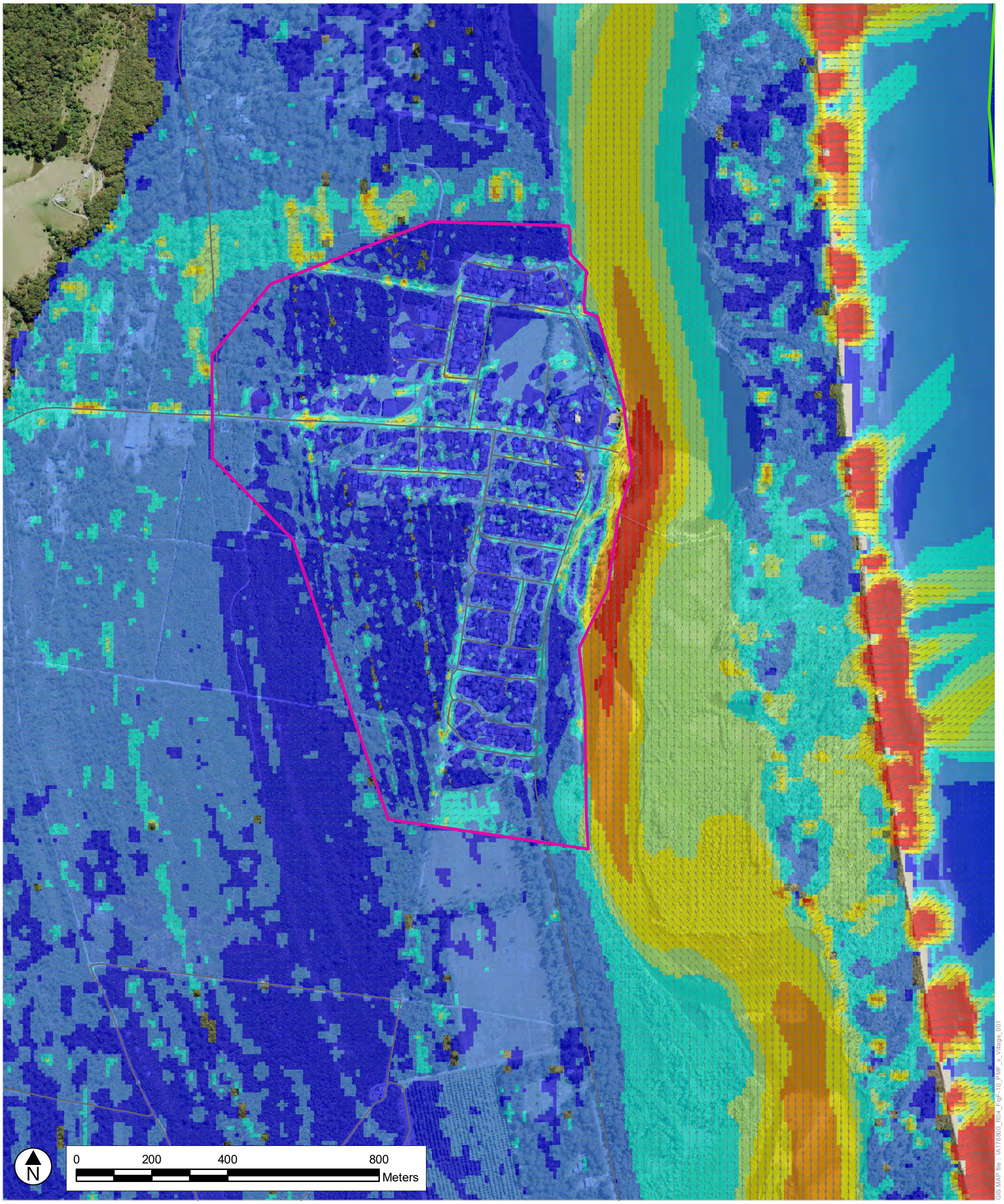
GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(C)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-10_PMF_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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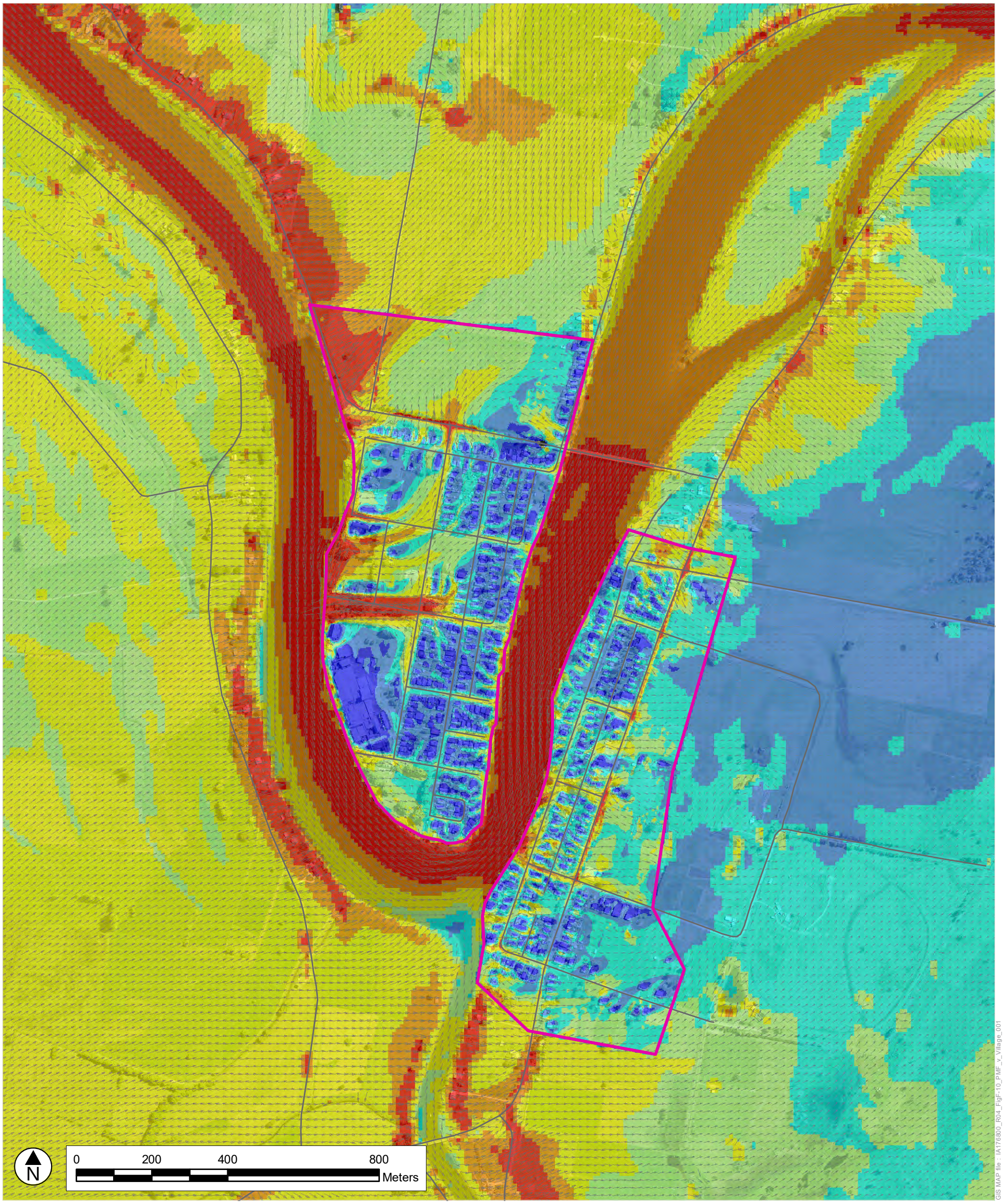
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(D)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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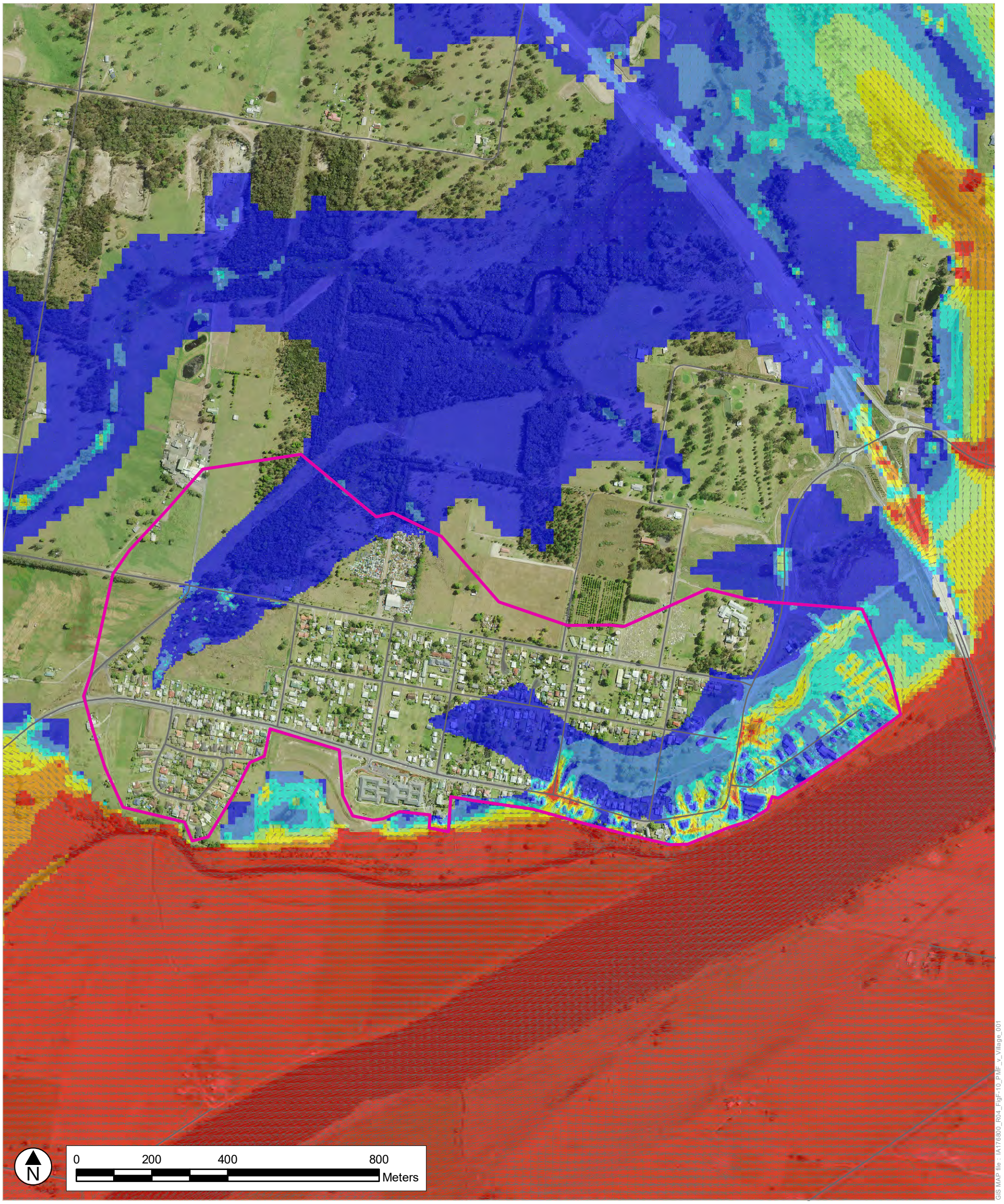
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(E)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

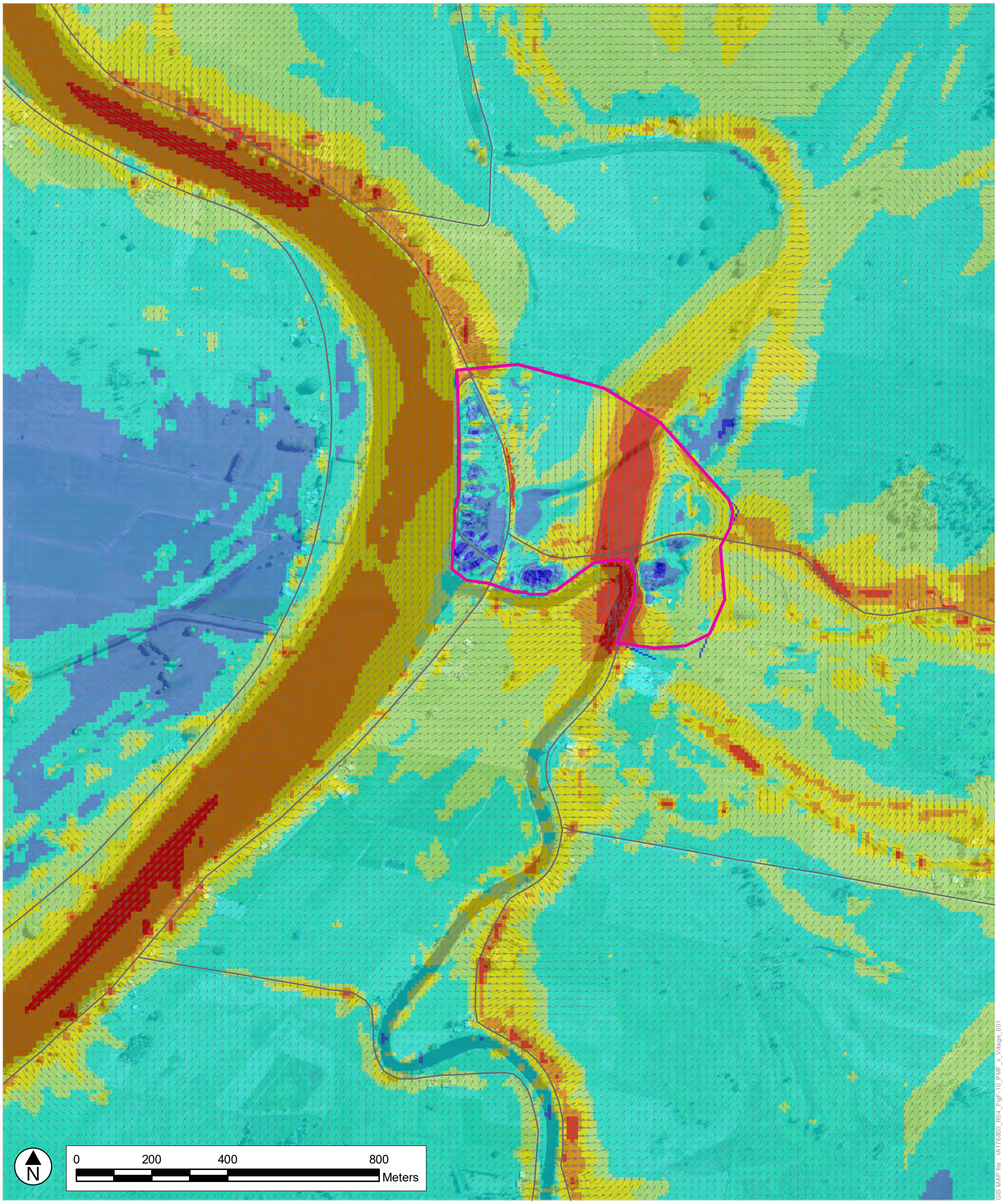
GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(F)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-10_PMF_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

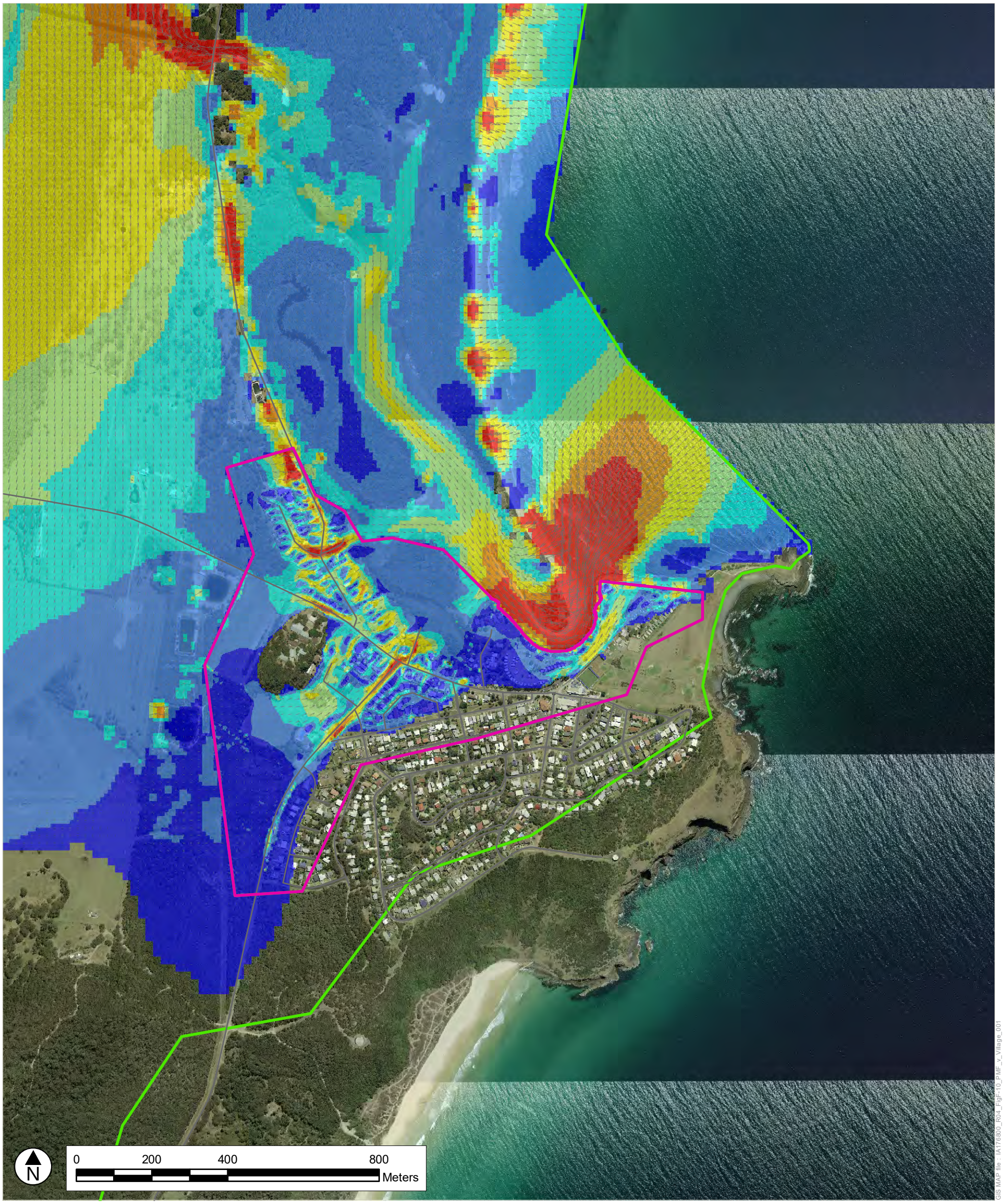
GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(G)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-10_PMF_v_Village_001



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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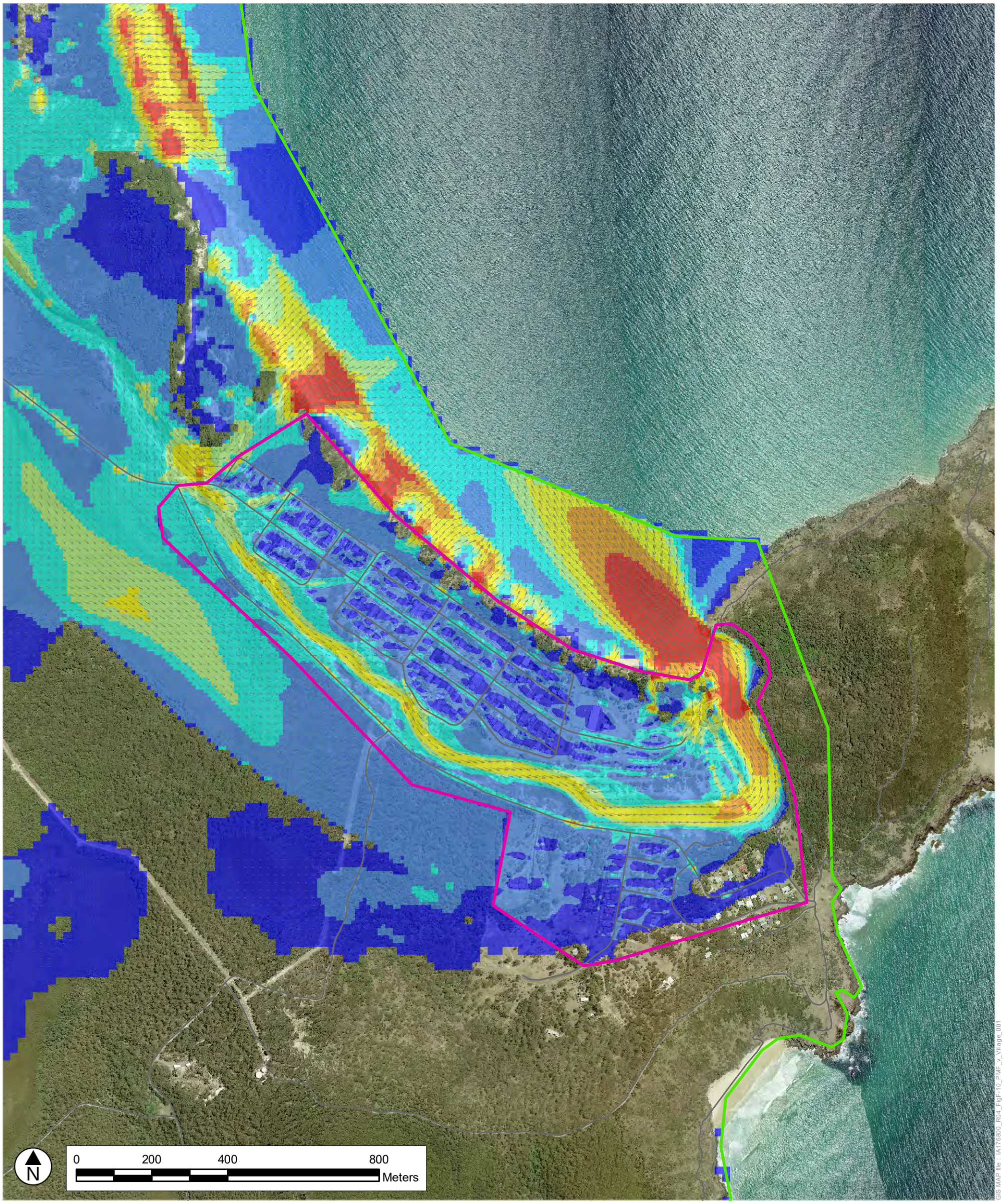
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(H)
CHECK	DATE	
AH	4/09/2019	



Legend

Flow Velocity (m/s)

- 0 - 0.25
- 0.25 - 0.5
- 0.5 - 0.75
- 0.75 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Flow Velocity
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-10(I)
CHECK	DATE	
AH	4/09/2019	

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

GIS MAP file : IA176800_R04_FigF-11_5y_Haz_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

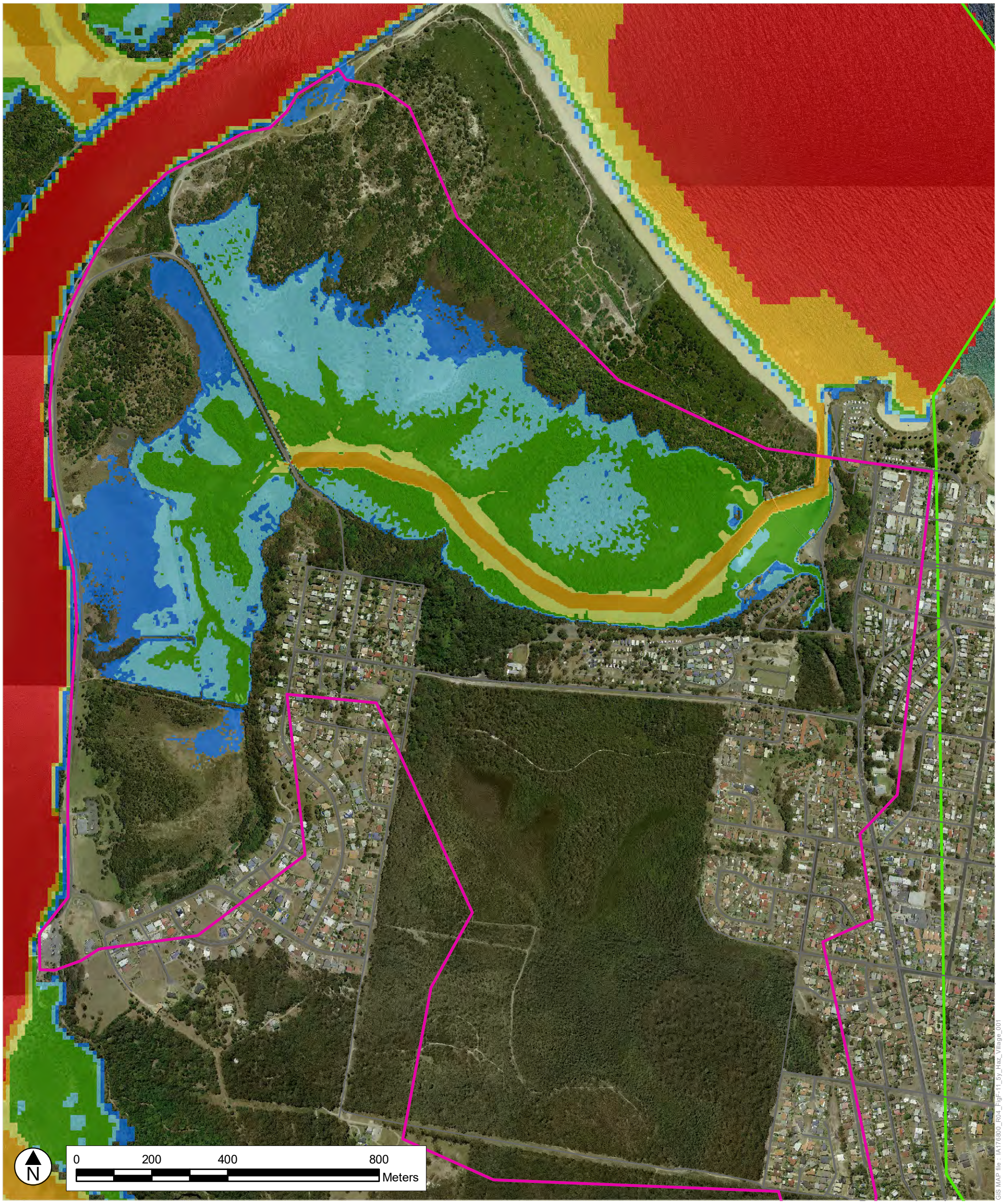
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Provisional Flood Hazard

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-11	1	1
CHECK	DATE			
AH	10/09/2019			



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

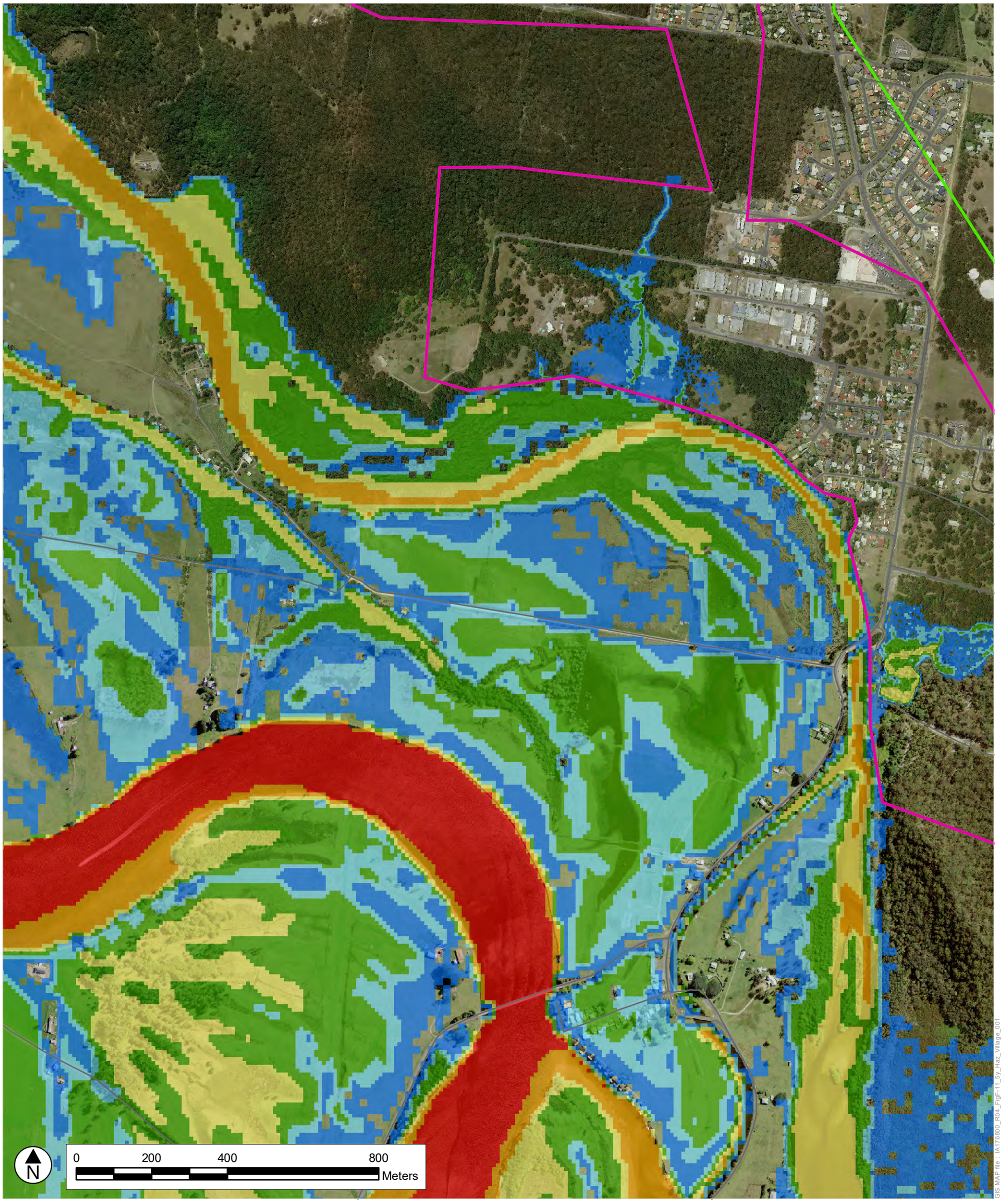
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(A)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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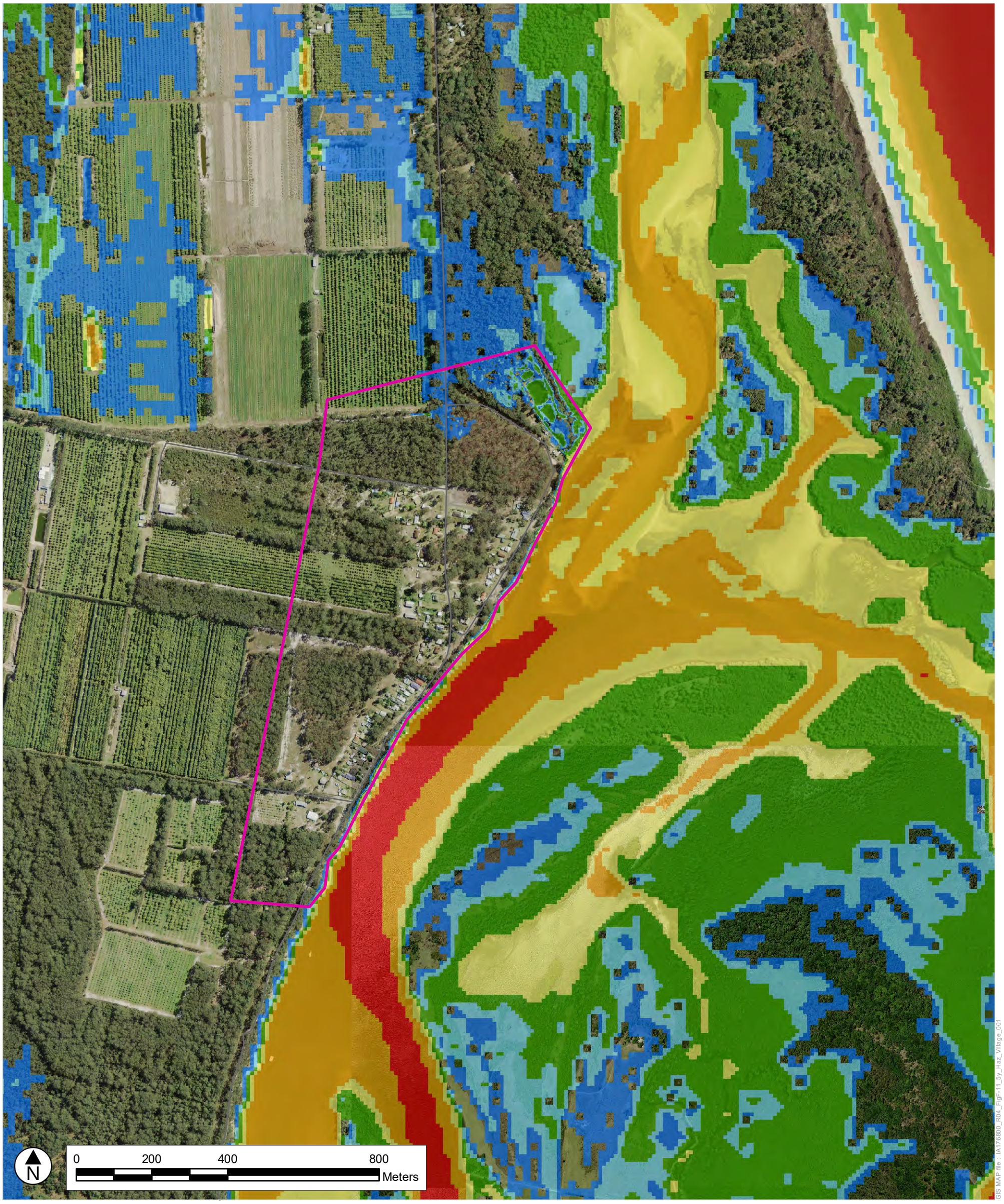
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(B)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

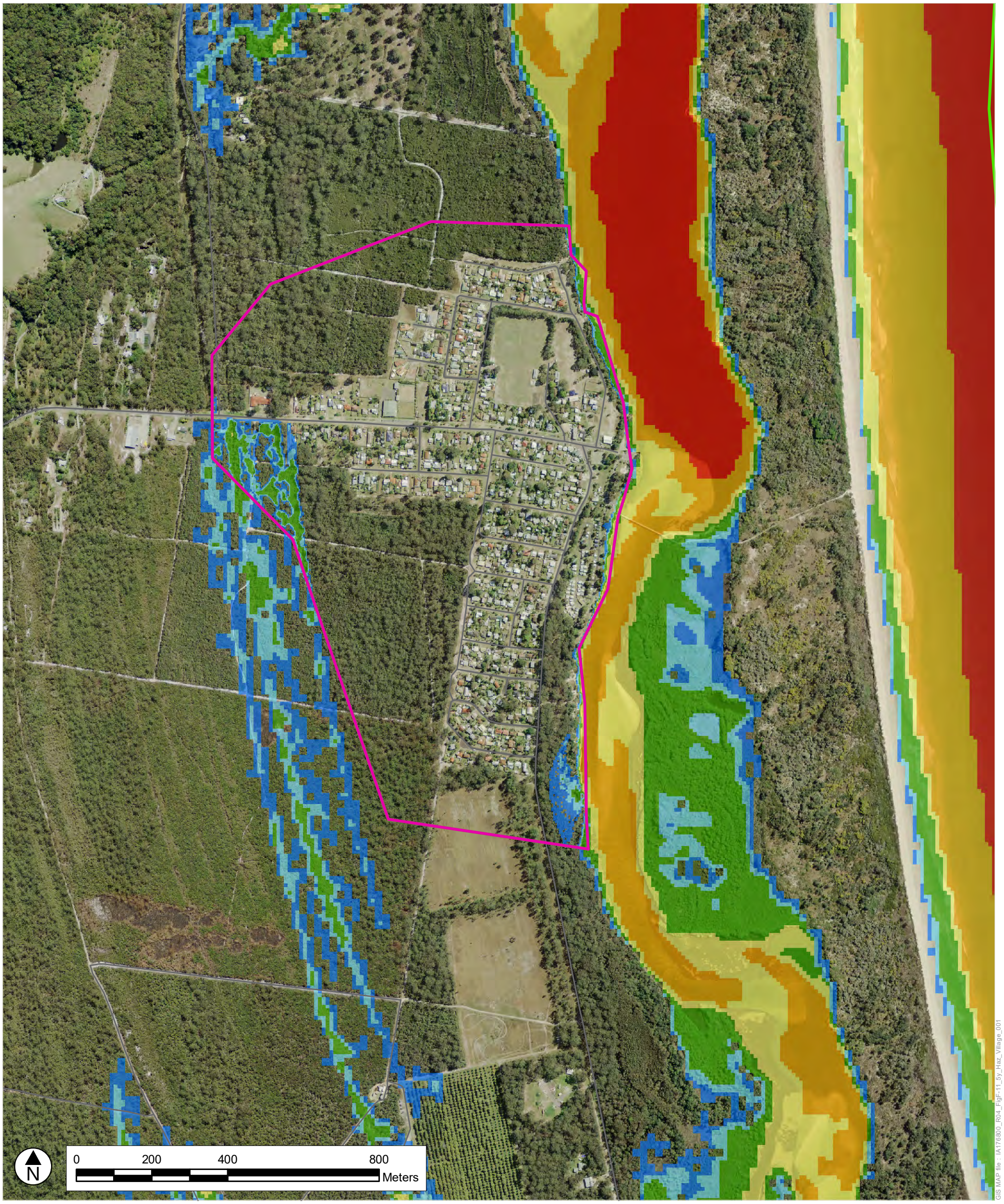
GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(C)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-11_5y_Haz_Vilage_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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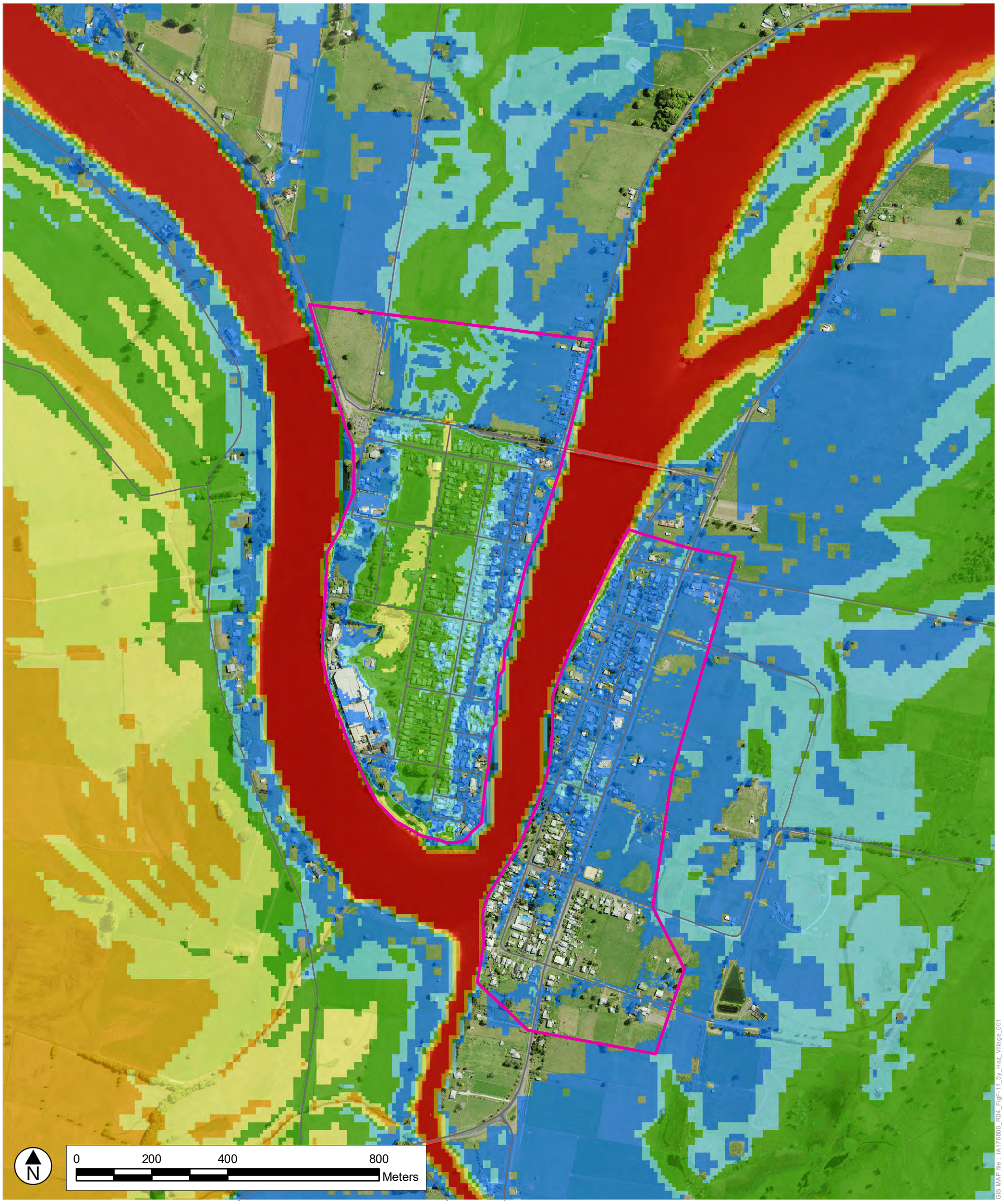
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event Flood Hazard Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(D)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-11_5y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

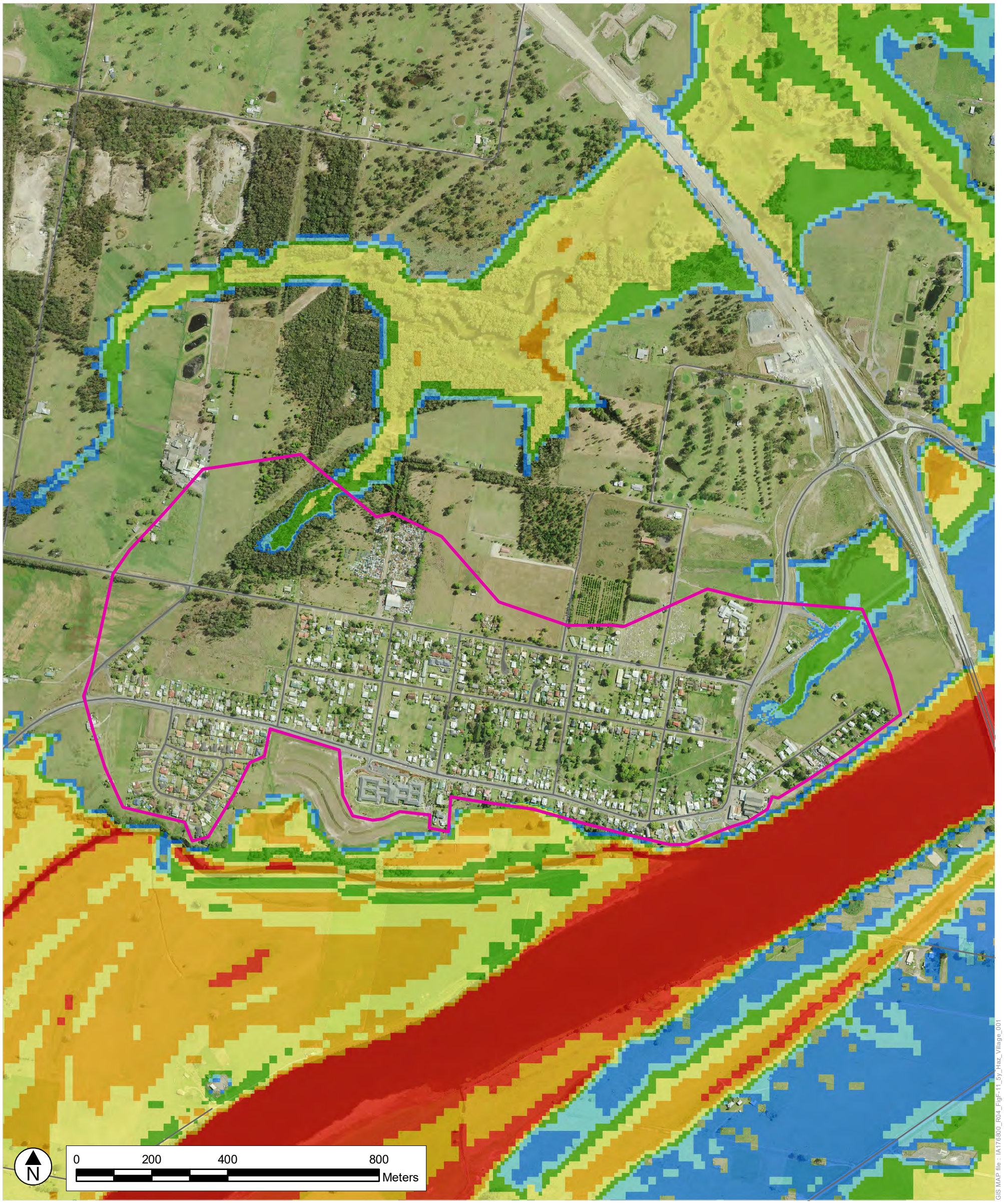
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(E)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-11_5y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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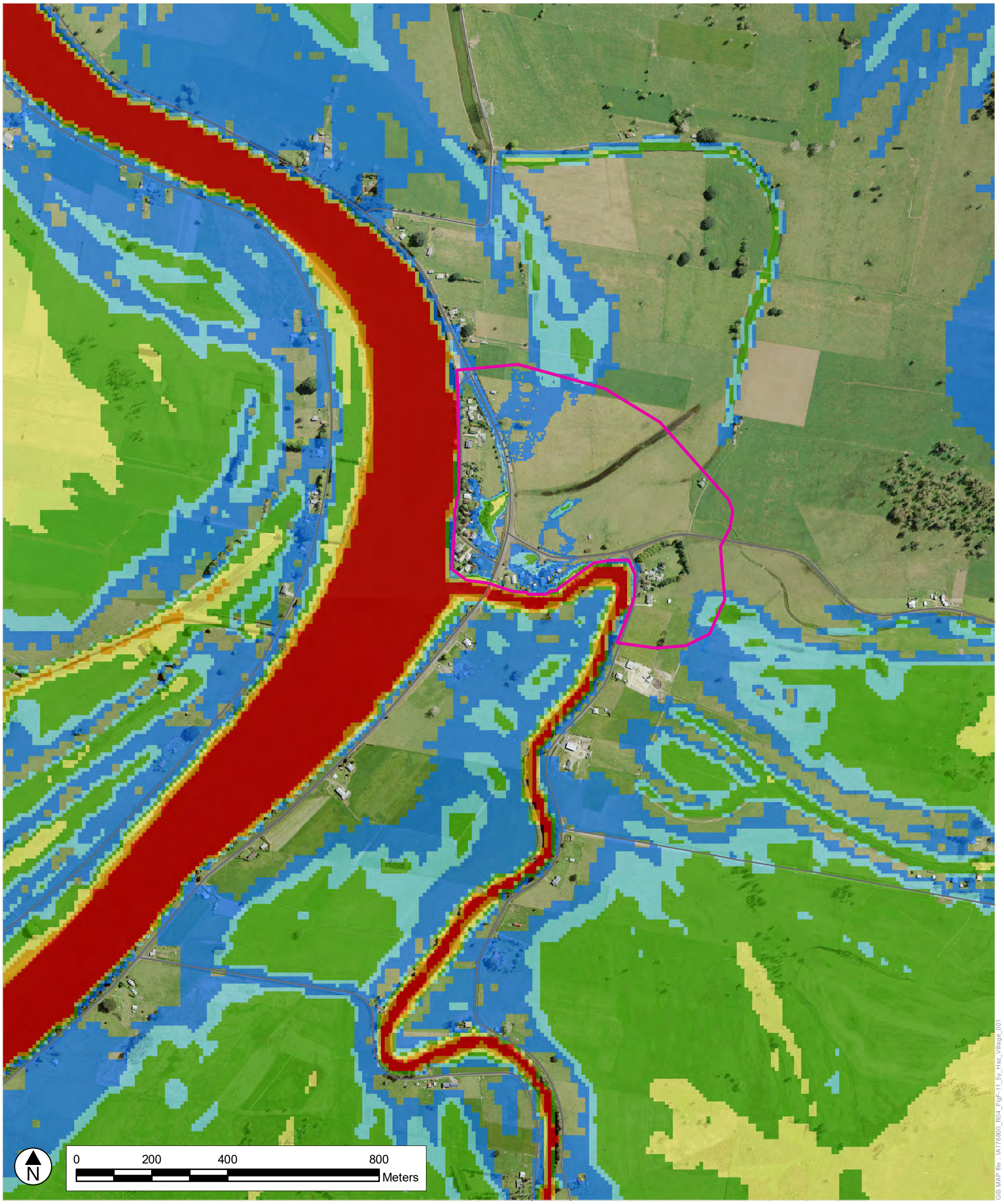
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(F)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event Flood Hazard Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(G)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event
Flood Hazard
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(H)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-11_Sy_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2 EY Event Flood Hazard Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-11(I)
CHECK	DATE	
AH	9/09/2019	

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

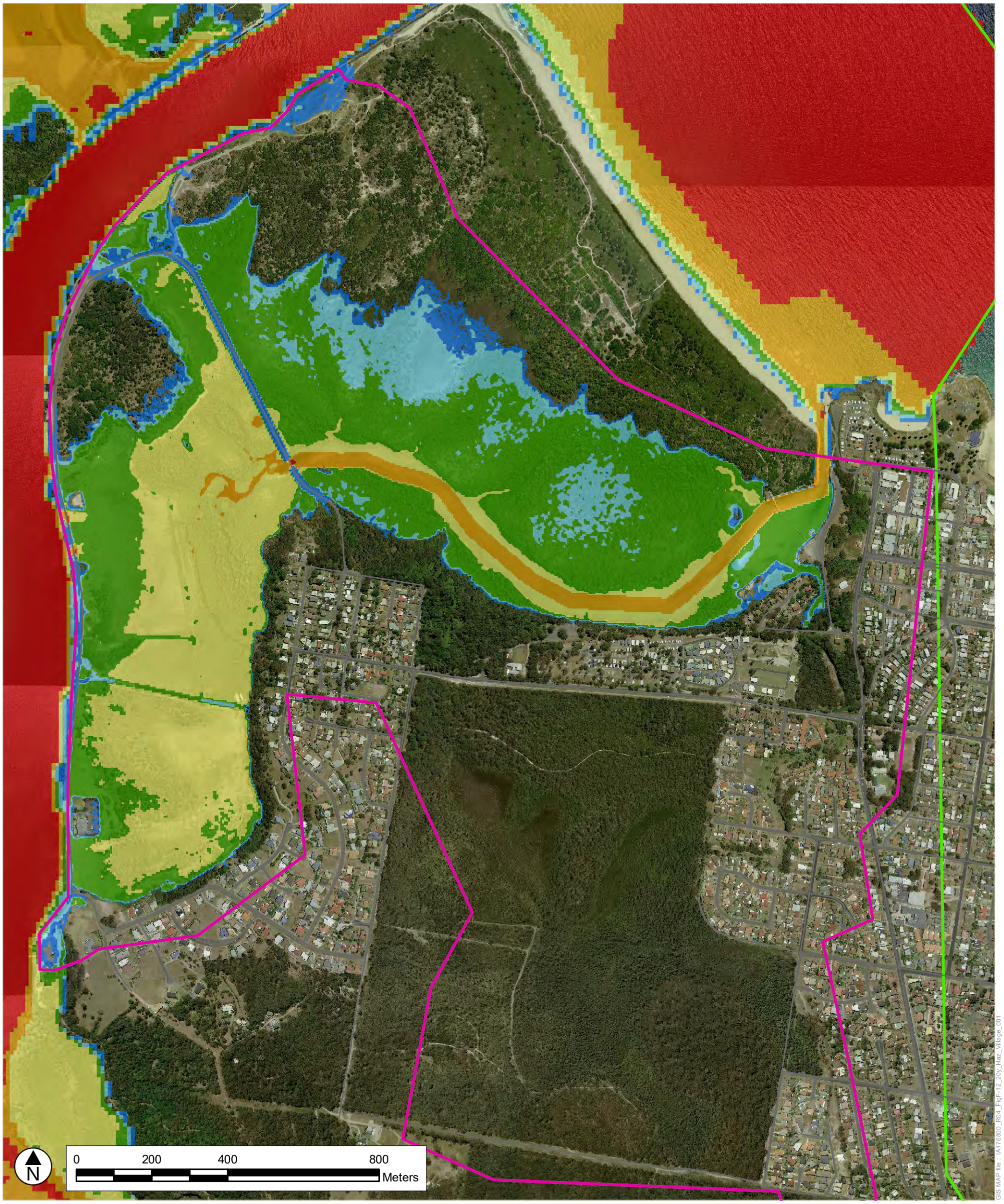
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-12	1	1
CHECK	DATE			
AH	10/09/2019			

GIS MAP file : IA176800_R04_FigF-12_20y_Haz_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(A)
CHECK	DATE	
AH	9/09/2019	

N

0 200 400 800 Meters

GIS MAP file : IA176800_R04_FigF-12_20y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

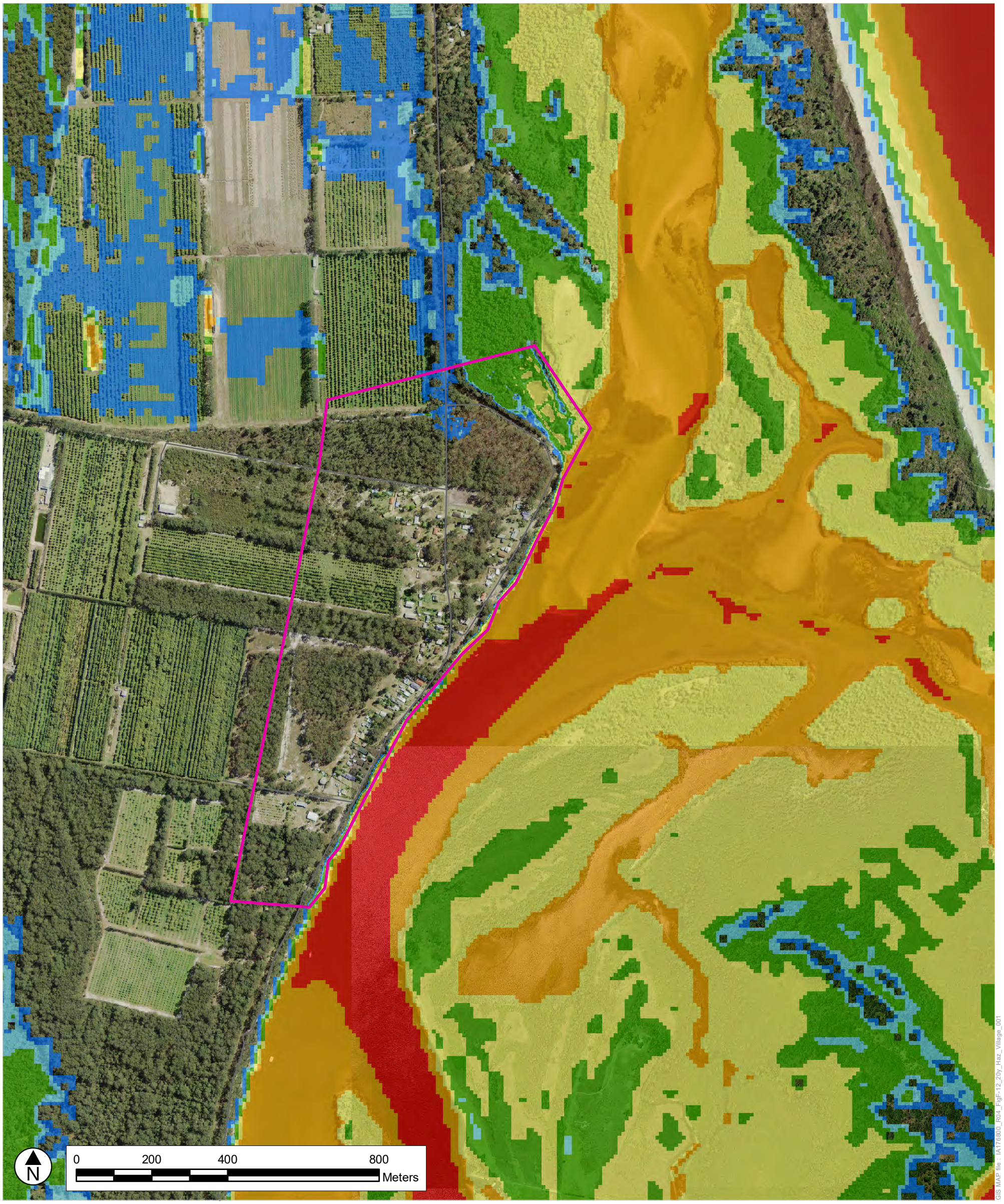
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(B)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

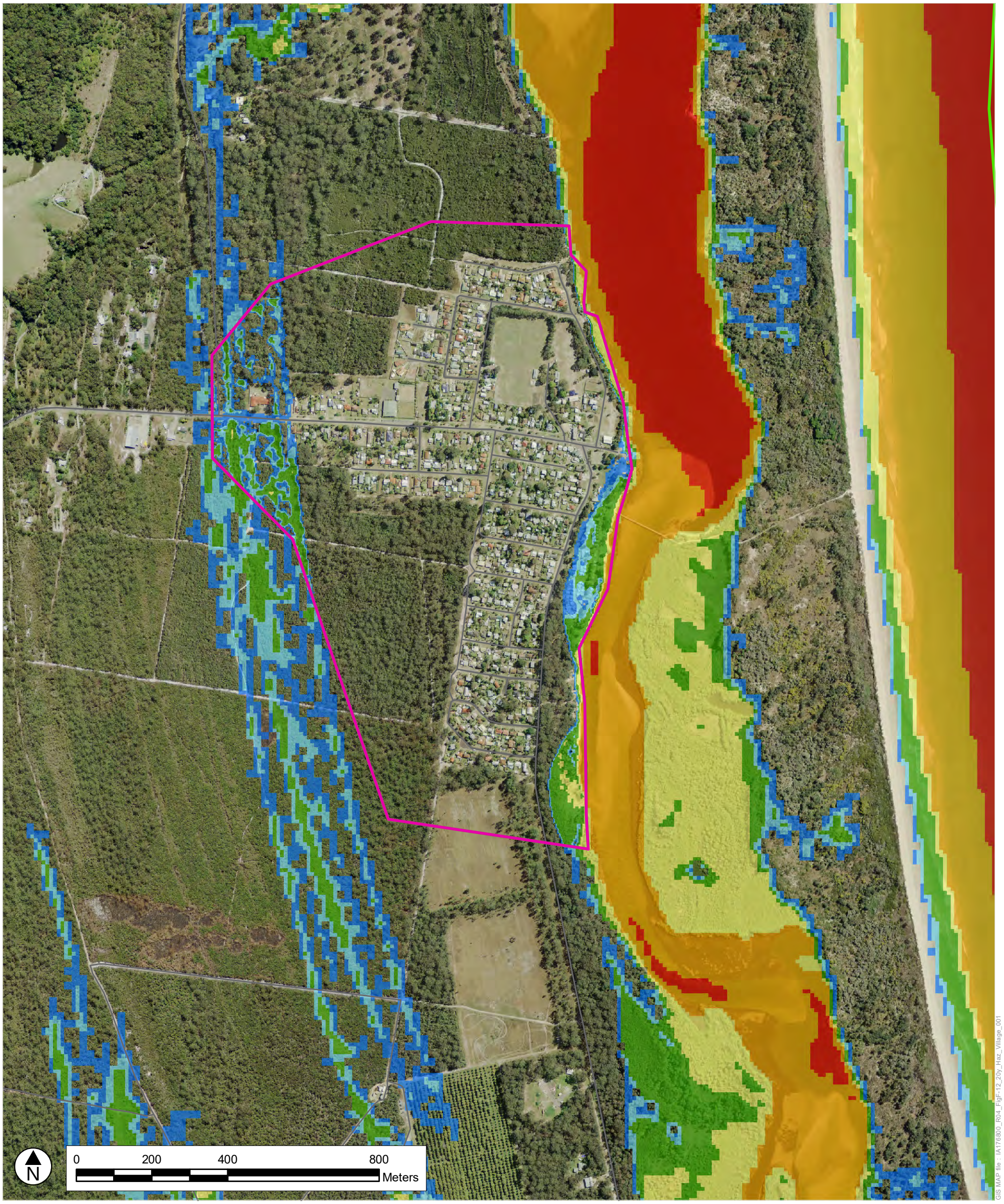
GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(C)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-12_20y_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

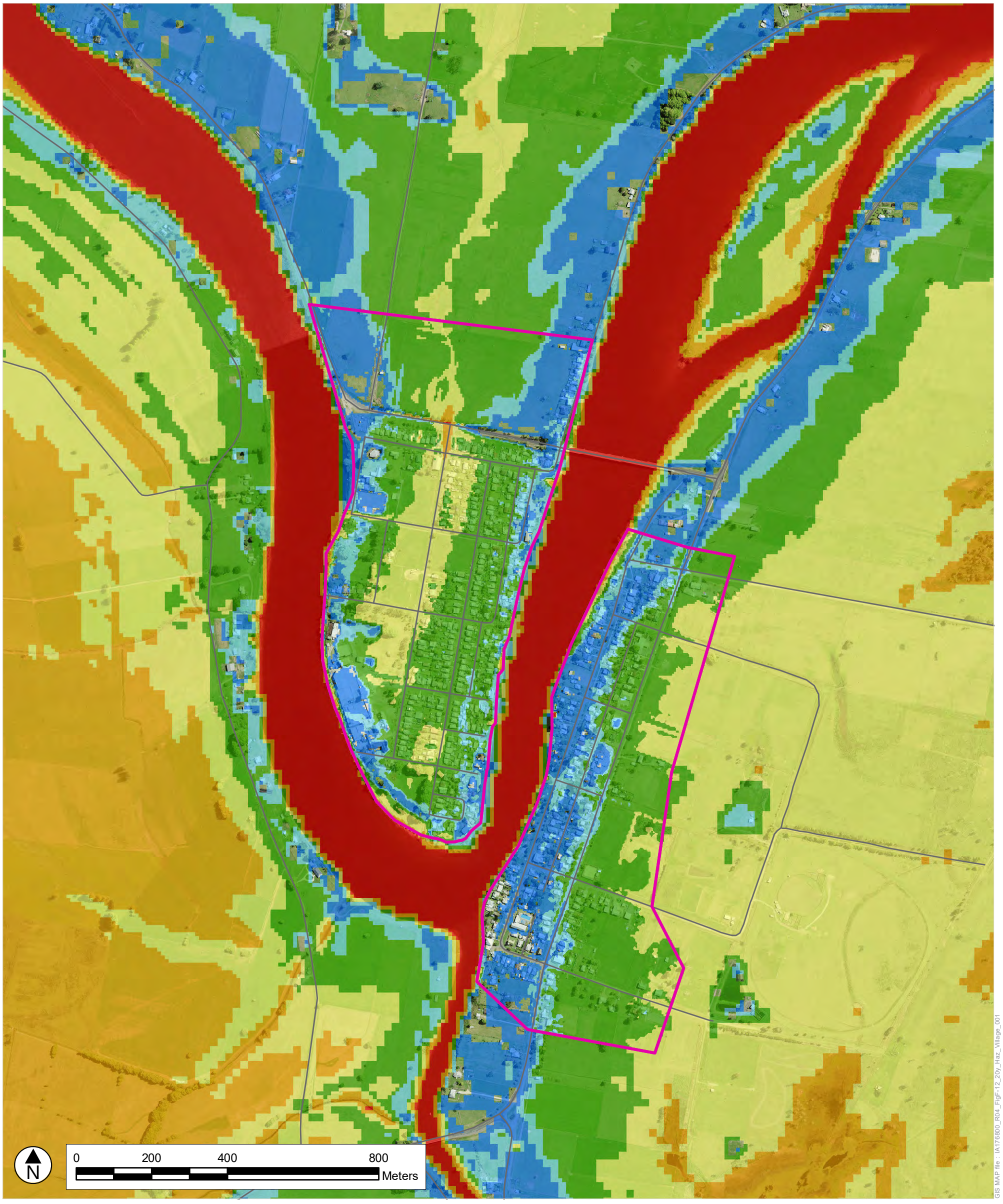
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(D)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-12_20y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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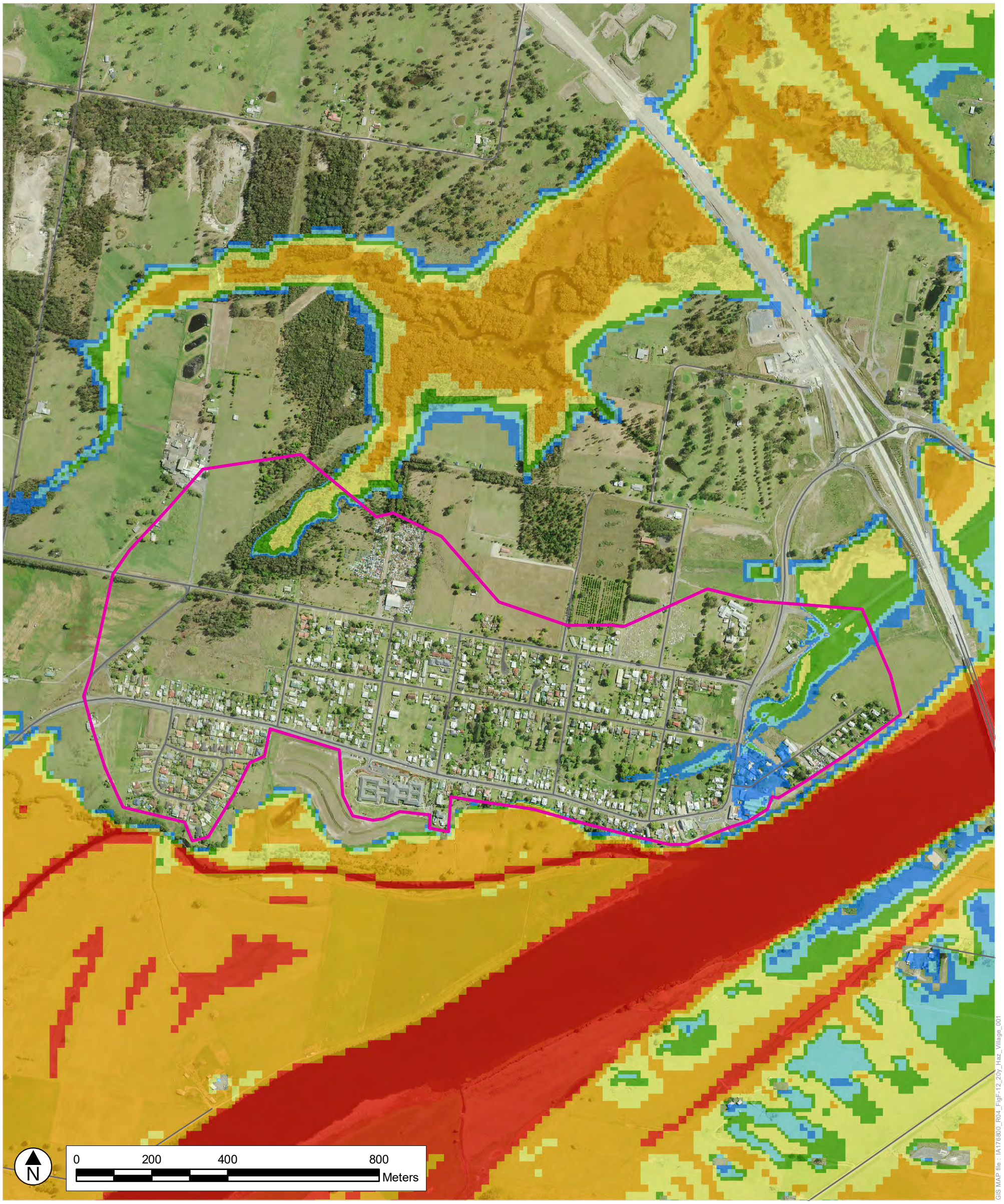
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(E)
CHECK	DATE	
AH	9/09/2019	



GIS MAP file : IA176800_R04_FigF-12_20y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

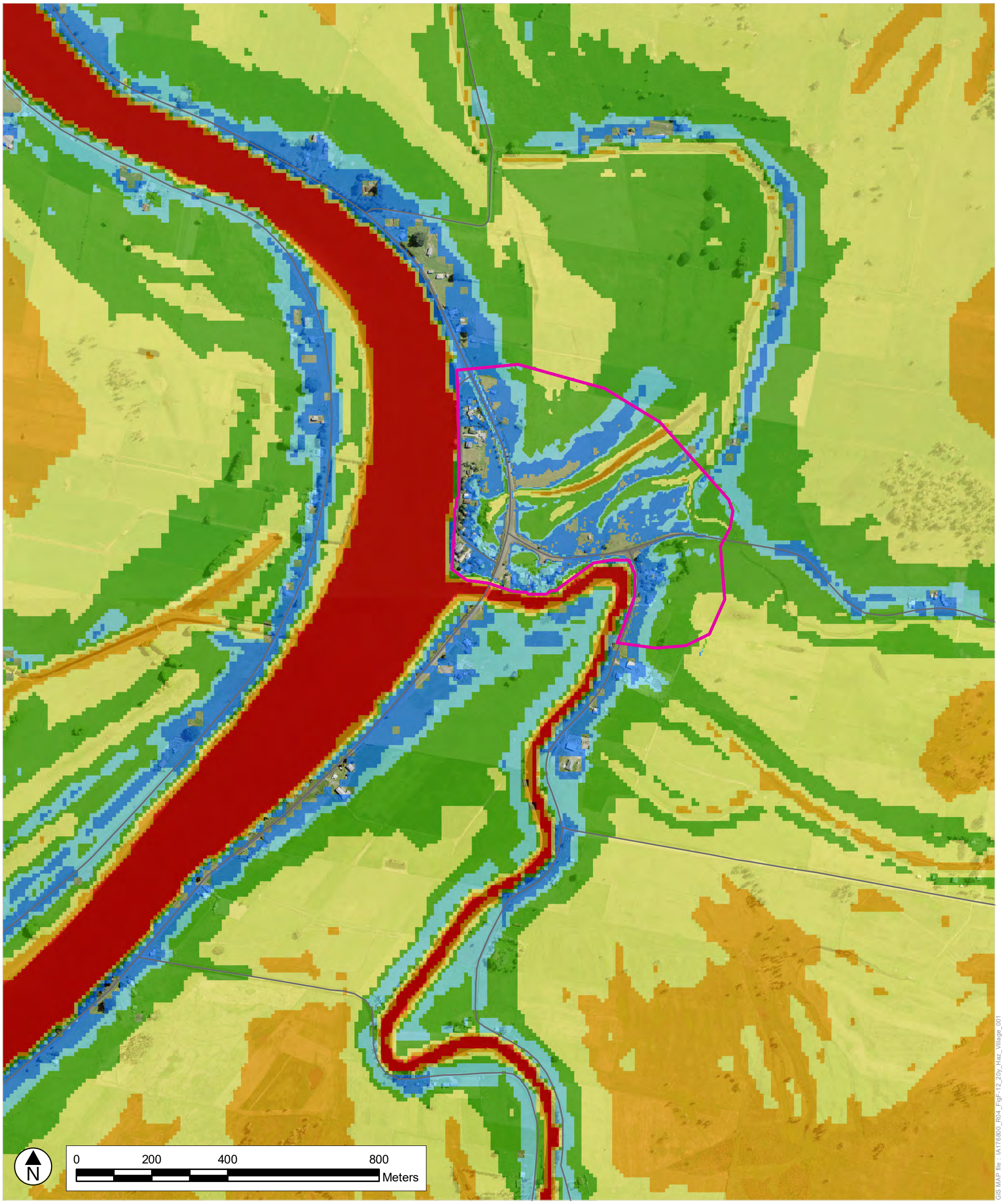
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(F)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

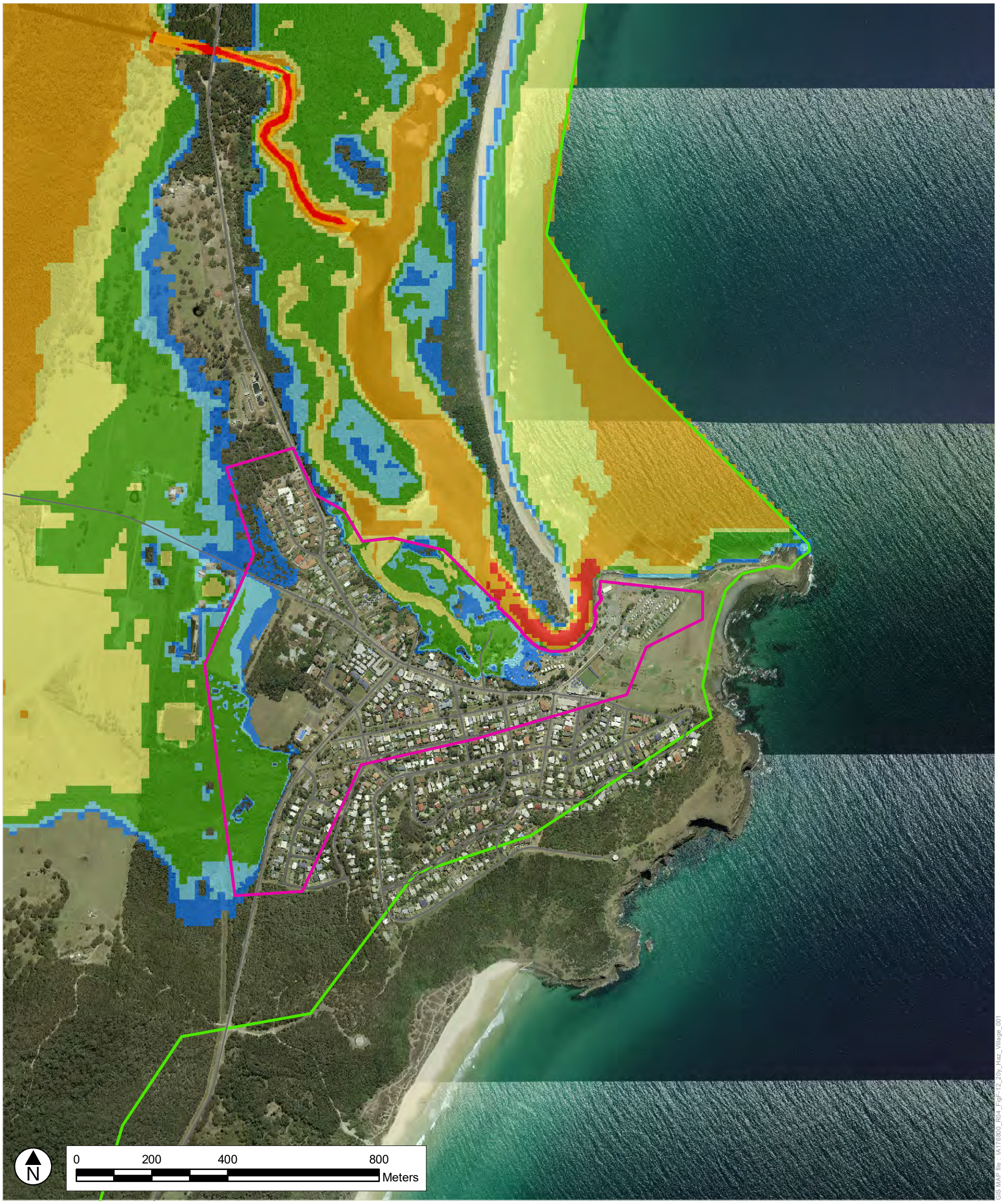
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(G)
CHECK	DATE	
AH	9/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(H)
CHECK	DATE	
AH	9/09/2019	

GIS MAP file : IA176800_R04_FigF-12_20y_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 5% AEP Event
Provisional Flood Hazard
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-12(I)
CHECK	DATE	
AH	9/09/2019	

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-13	1	1
CHECK	DATE			
AH	5/09/2019			

GIS MAP file : IA176800_R04_FigF-13_100y_Haz_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

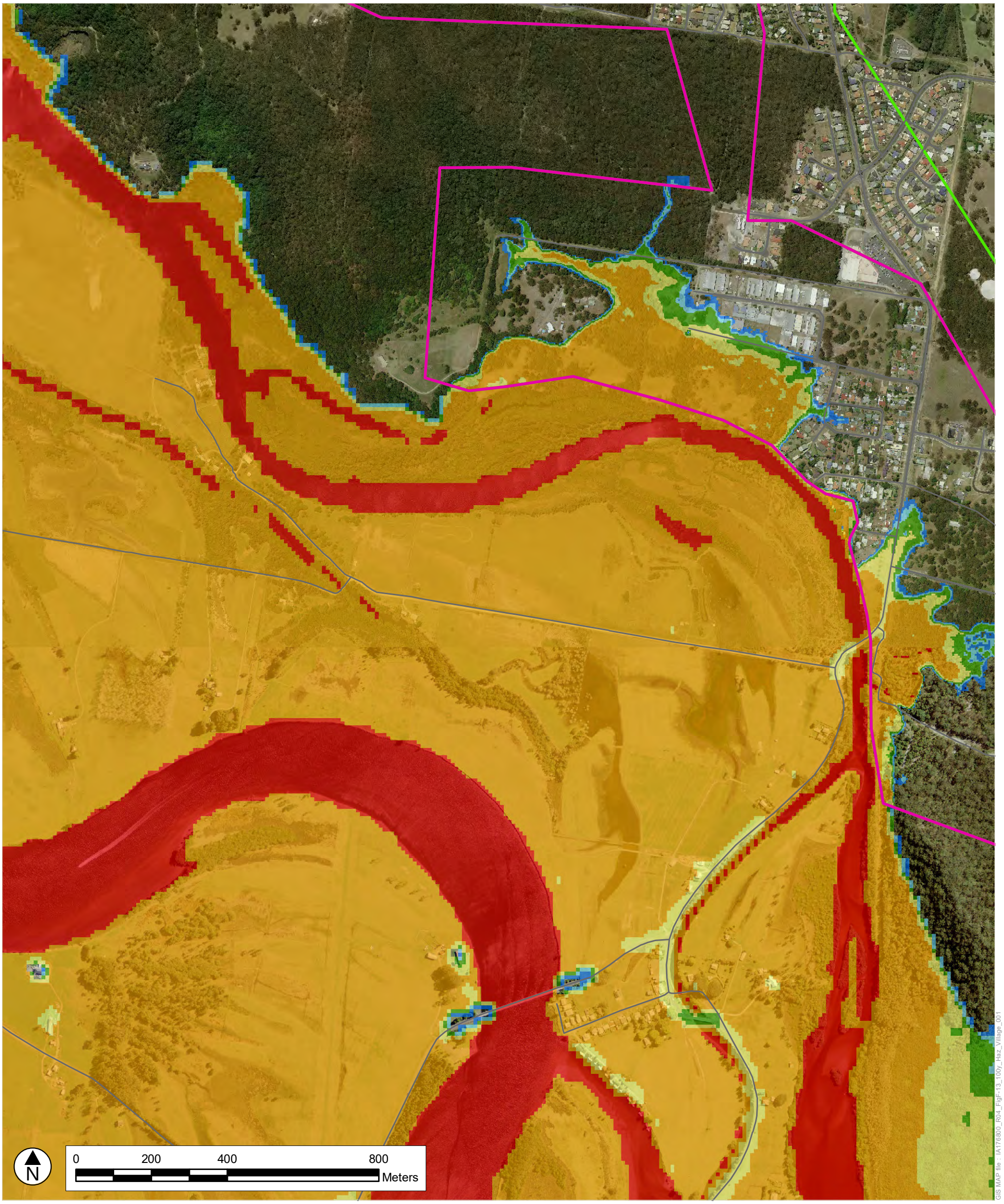
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(A)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

A3

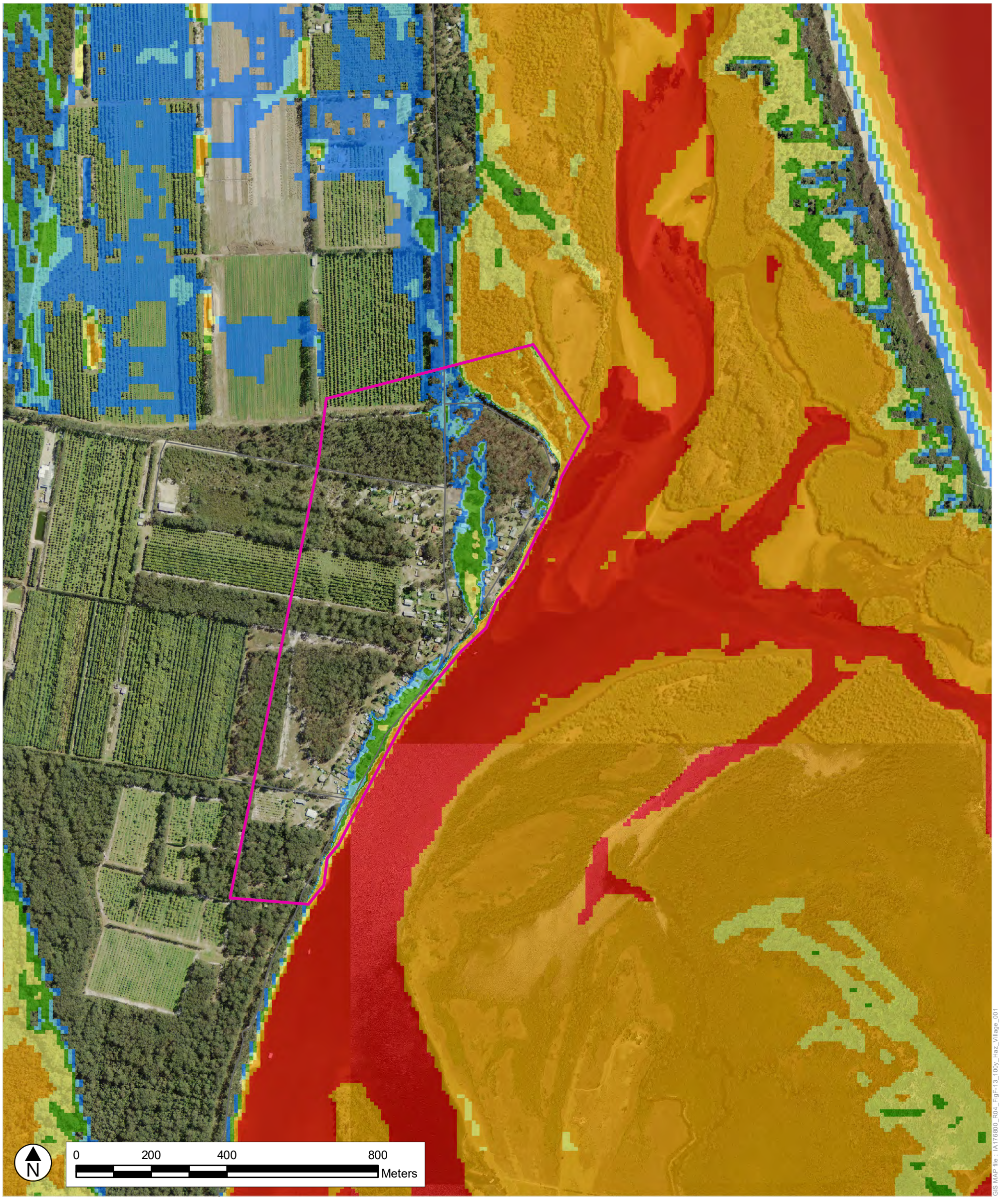
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(B)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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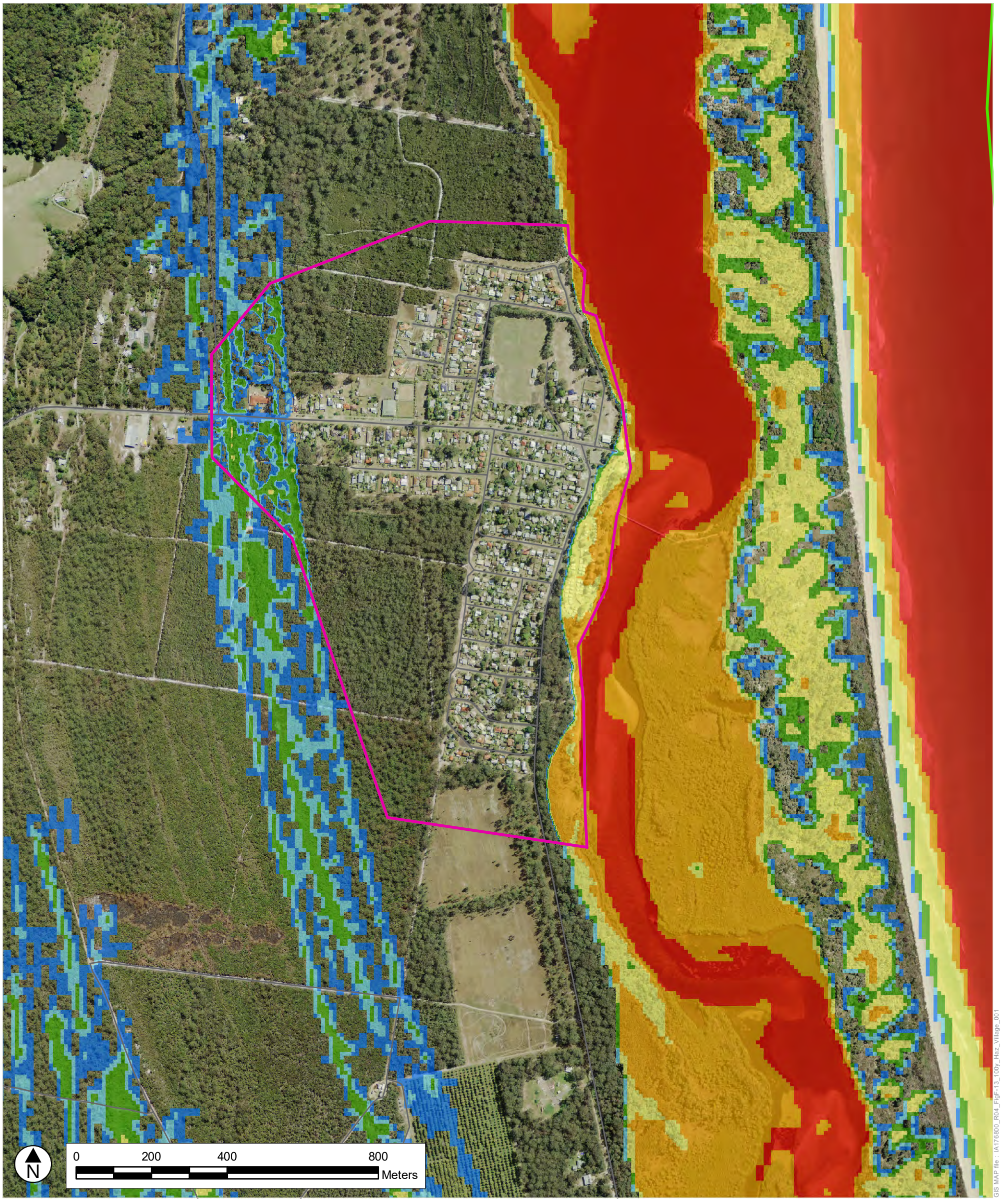
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(C)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(D)
CHECK	DATE	
AH	4/09/2019	

0 200 400 800 Meters

N

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

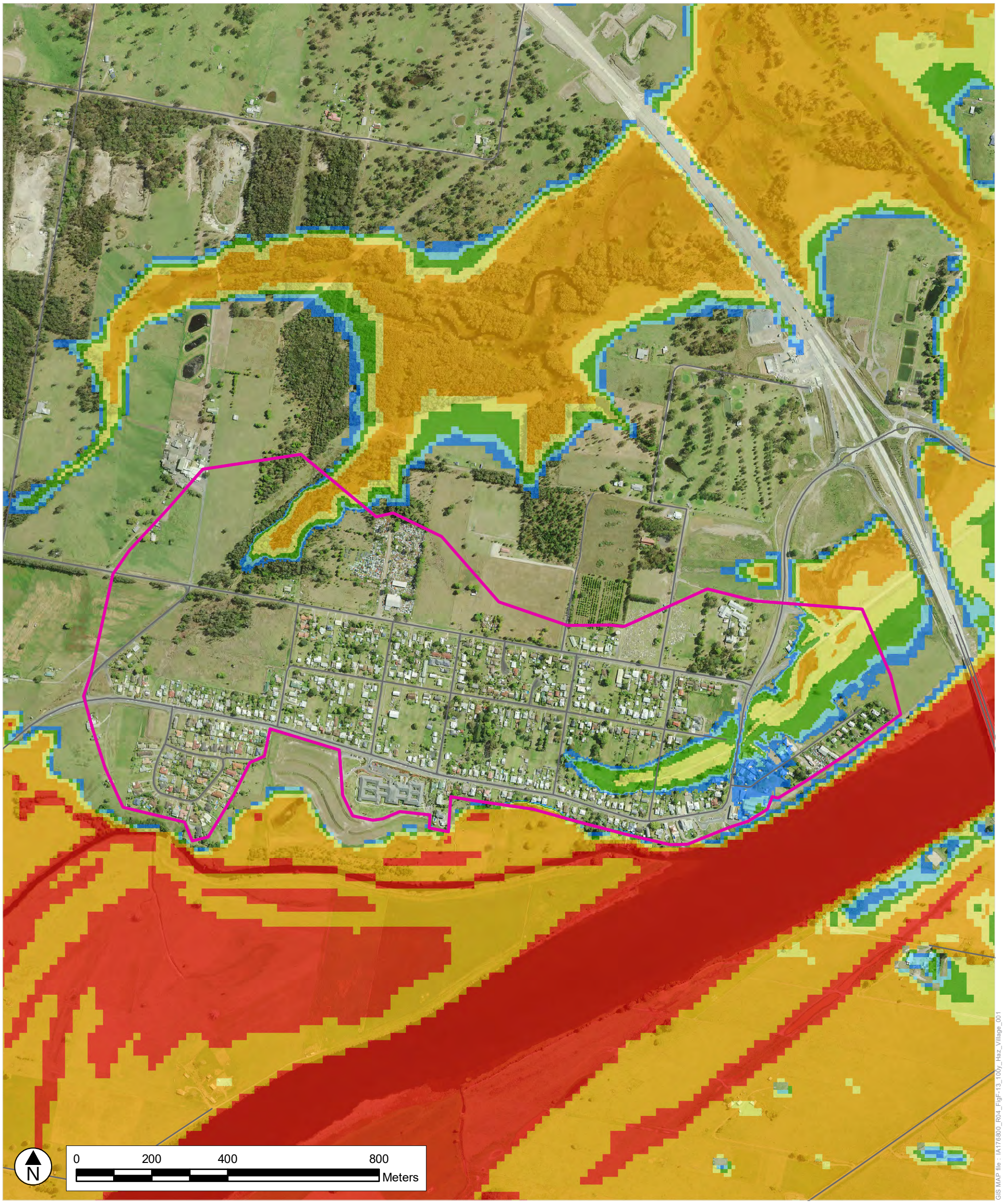
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(E)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001



GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event Provisional Flood Hazard Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(F)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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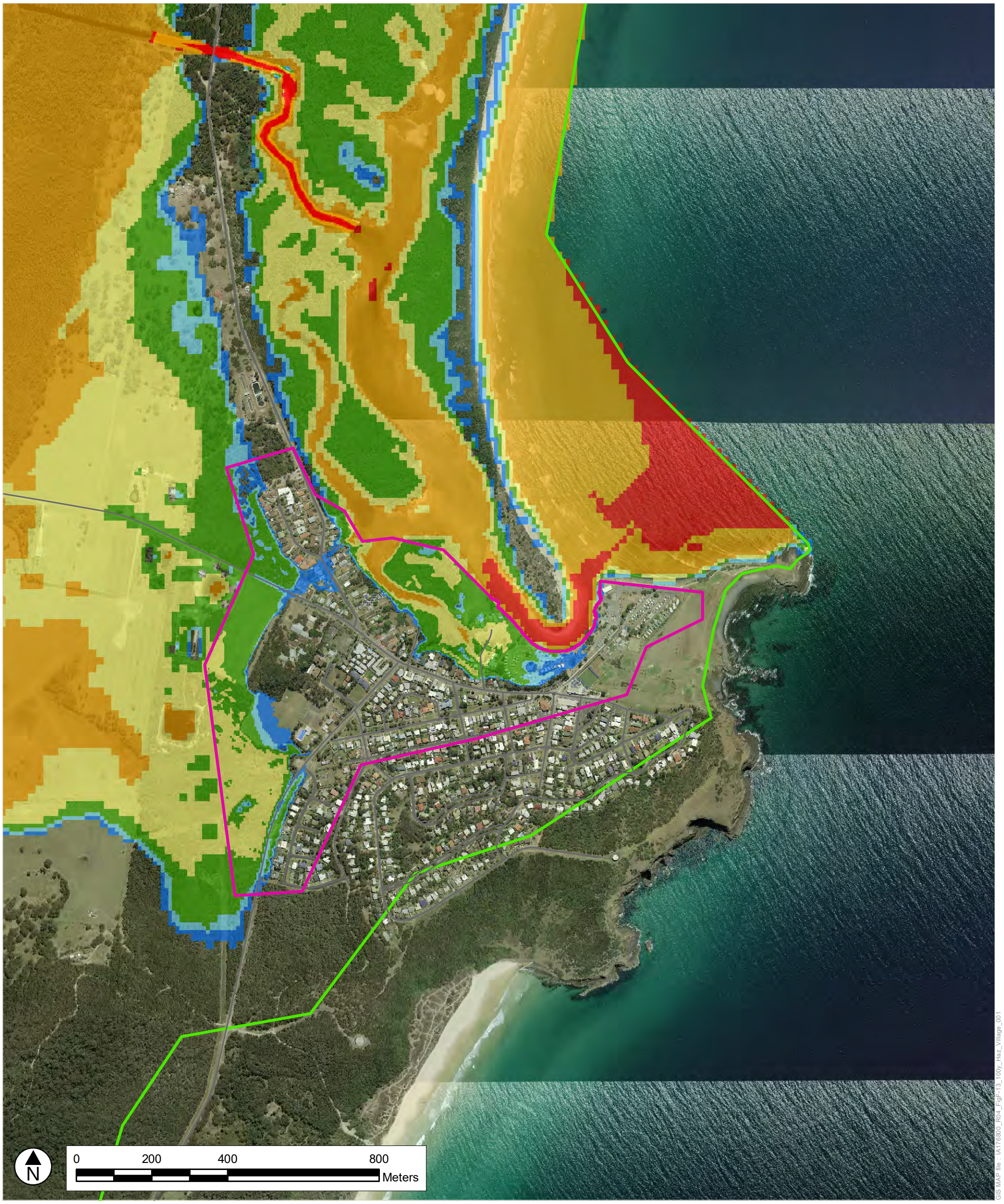
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(G)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(H)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Provisional Flood Hazard
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-13(I)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-13_100y_Haz_Village_001

Higher detail flood modelling has been completed for Kempsey CBD area. Refer to Kempsey CBD Floodplain Risk Management Study and Plan (WMAwater, 2017b) for design flood conditions for this area.

N

0 2.5 5 10 Kilometres

GIS MAP file : IA176800_R04_FigF-14_500y_Haz_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-14	1	1
CHECK	DATE			
AH	5/09/2019			



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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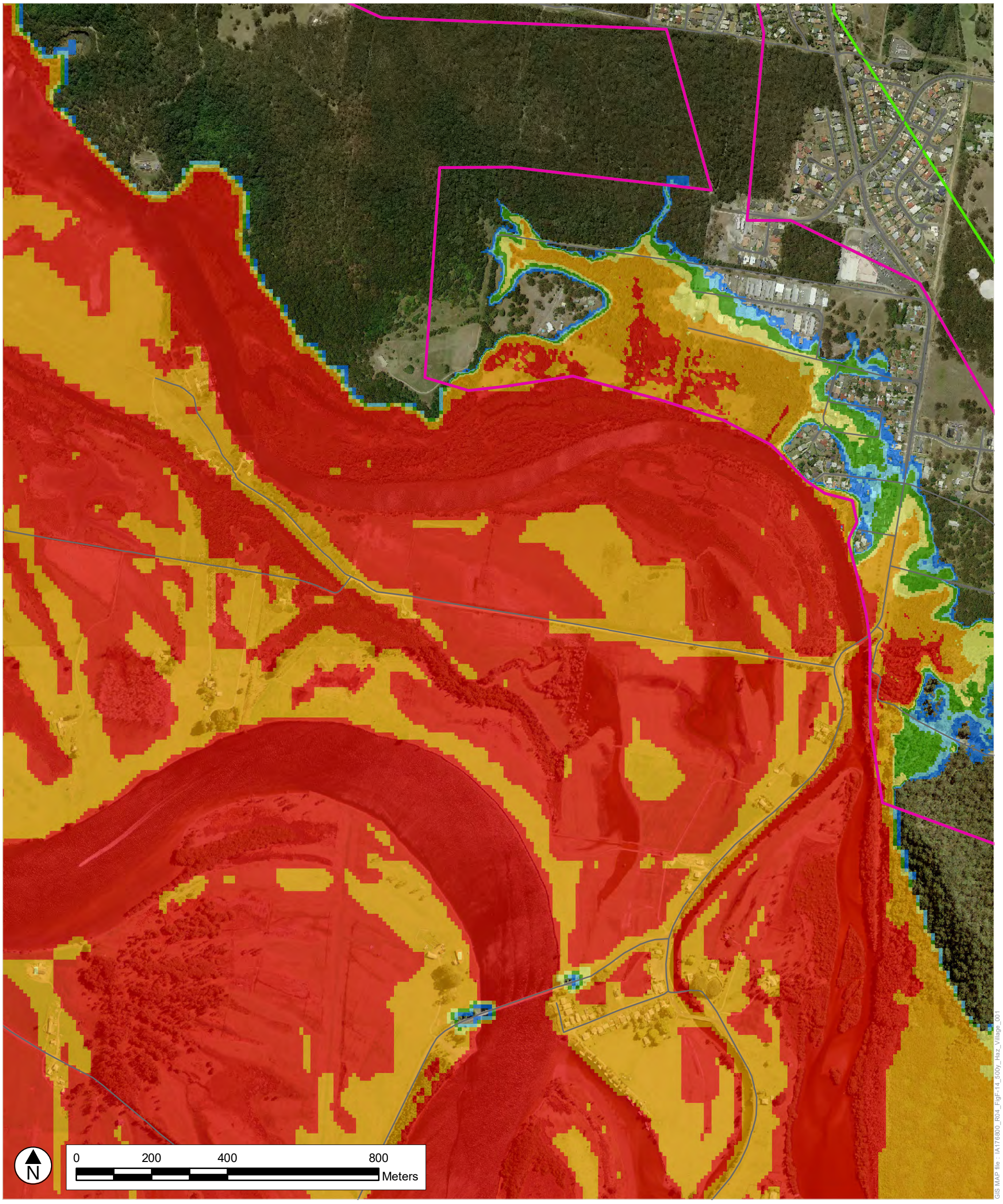
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(A)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-14_500y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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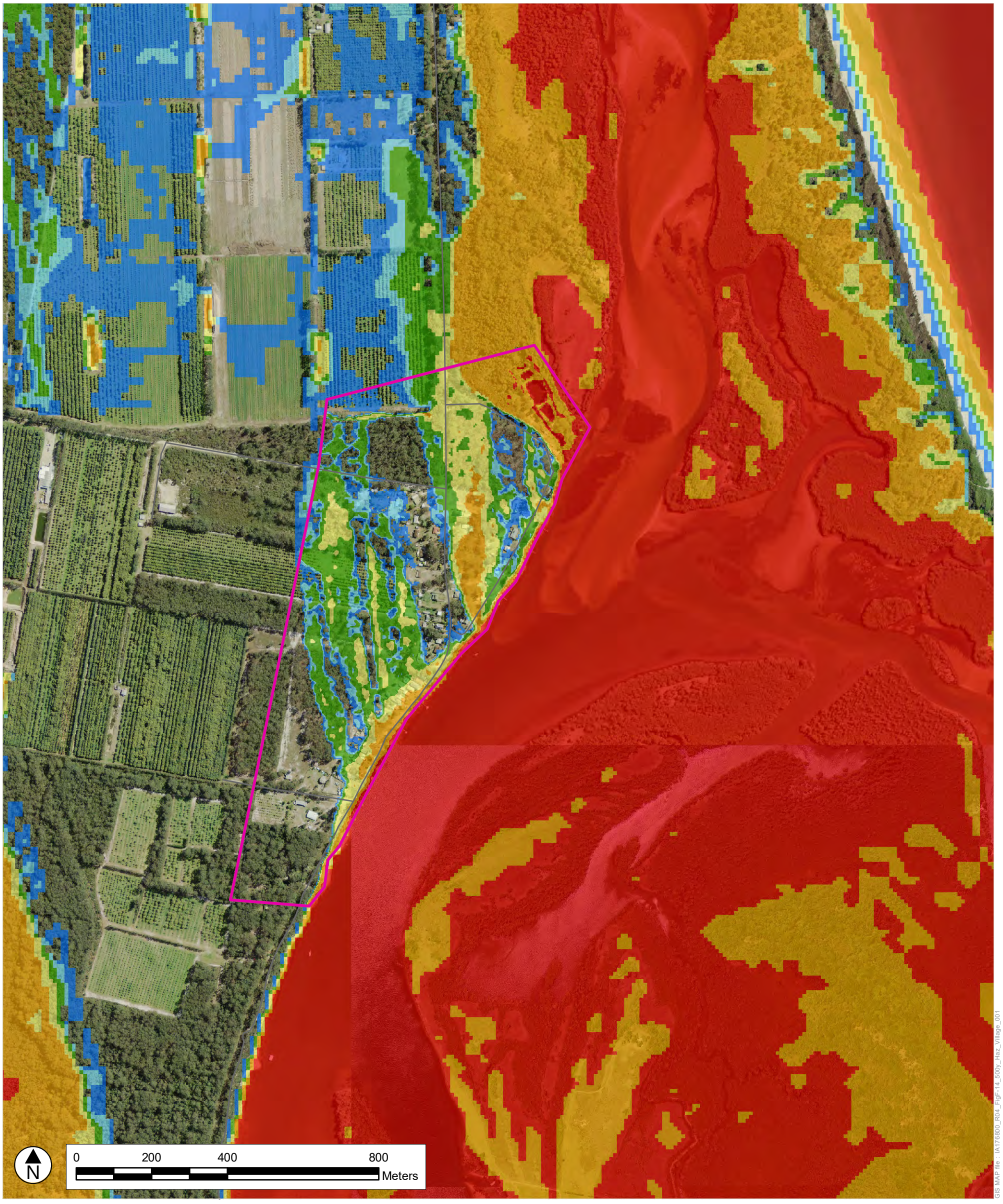
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(B)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-14_500y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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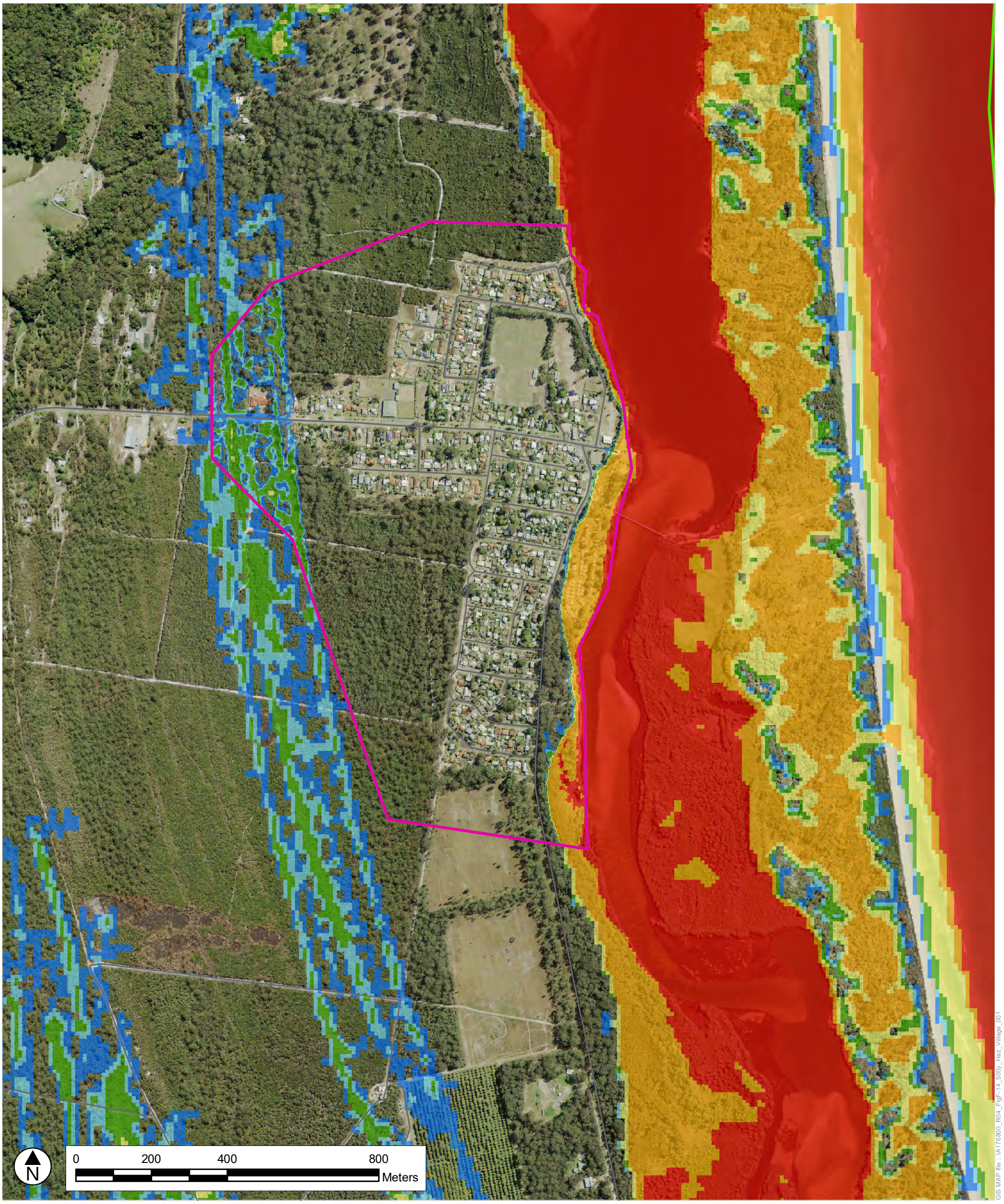
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(C)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(D)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-14_500y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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A3

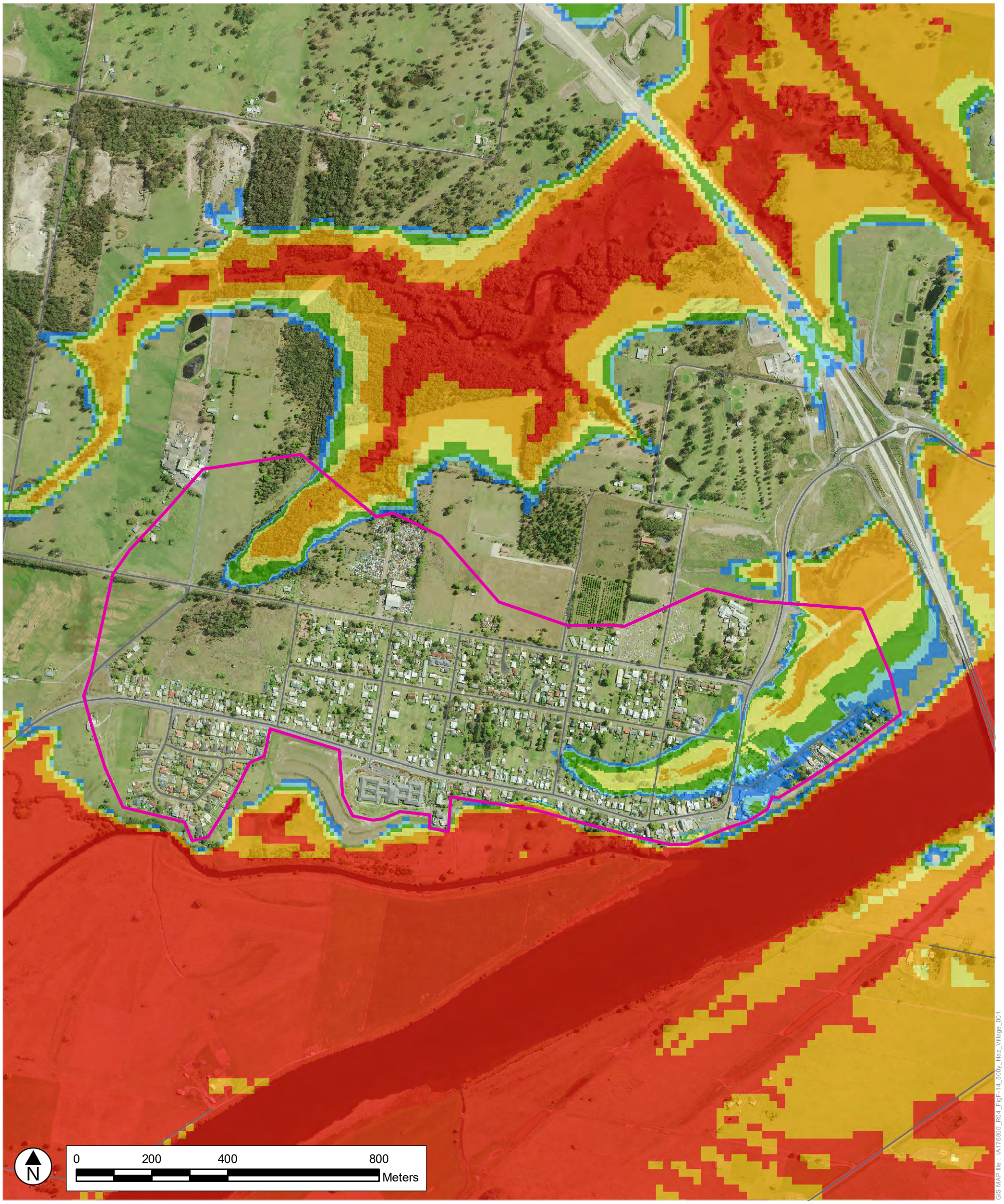
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(E)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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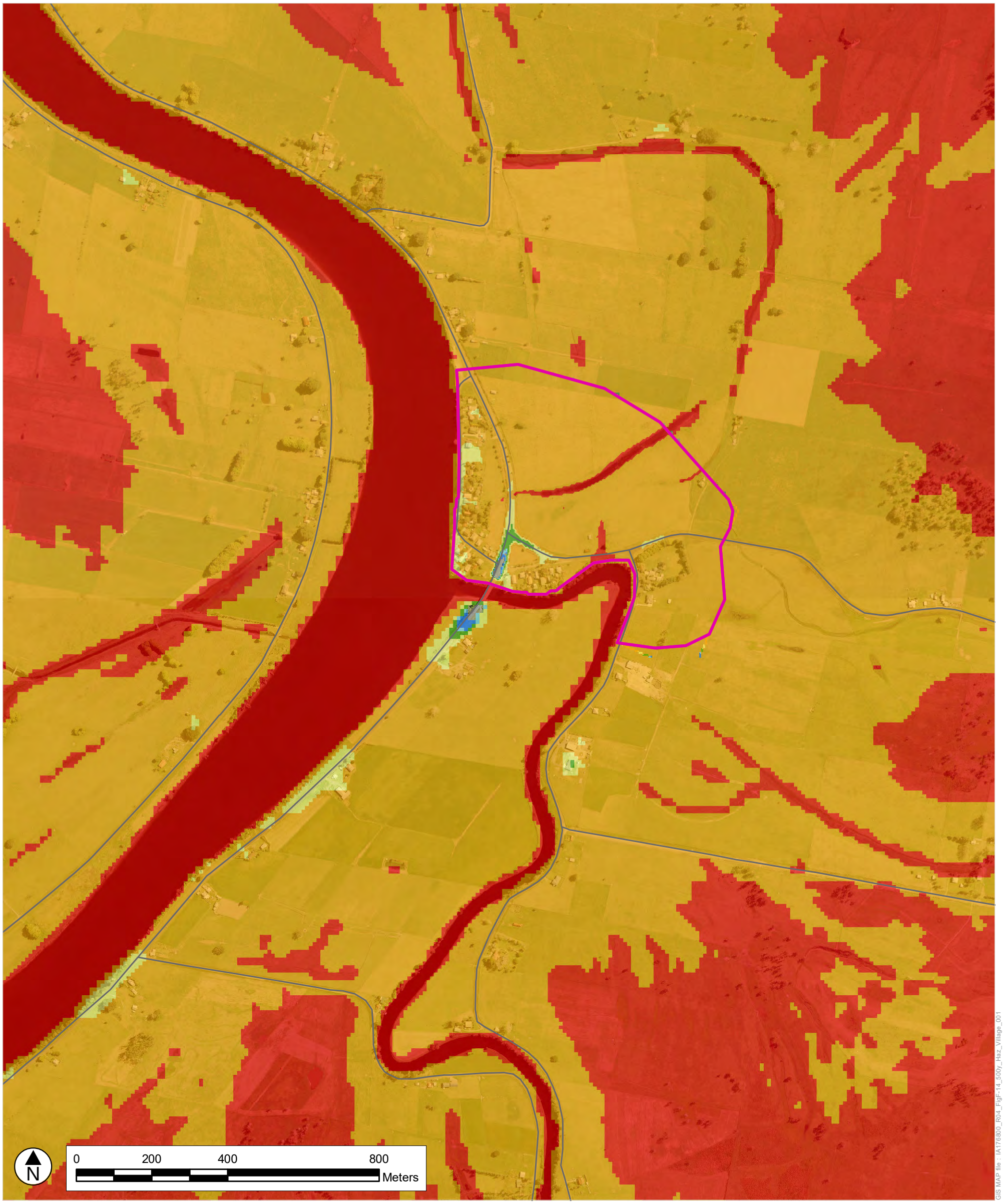
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(F)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-14_500y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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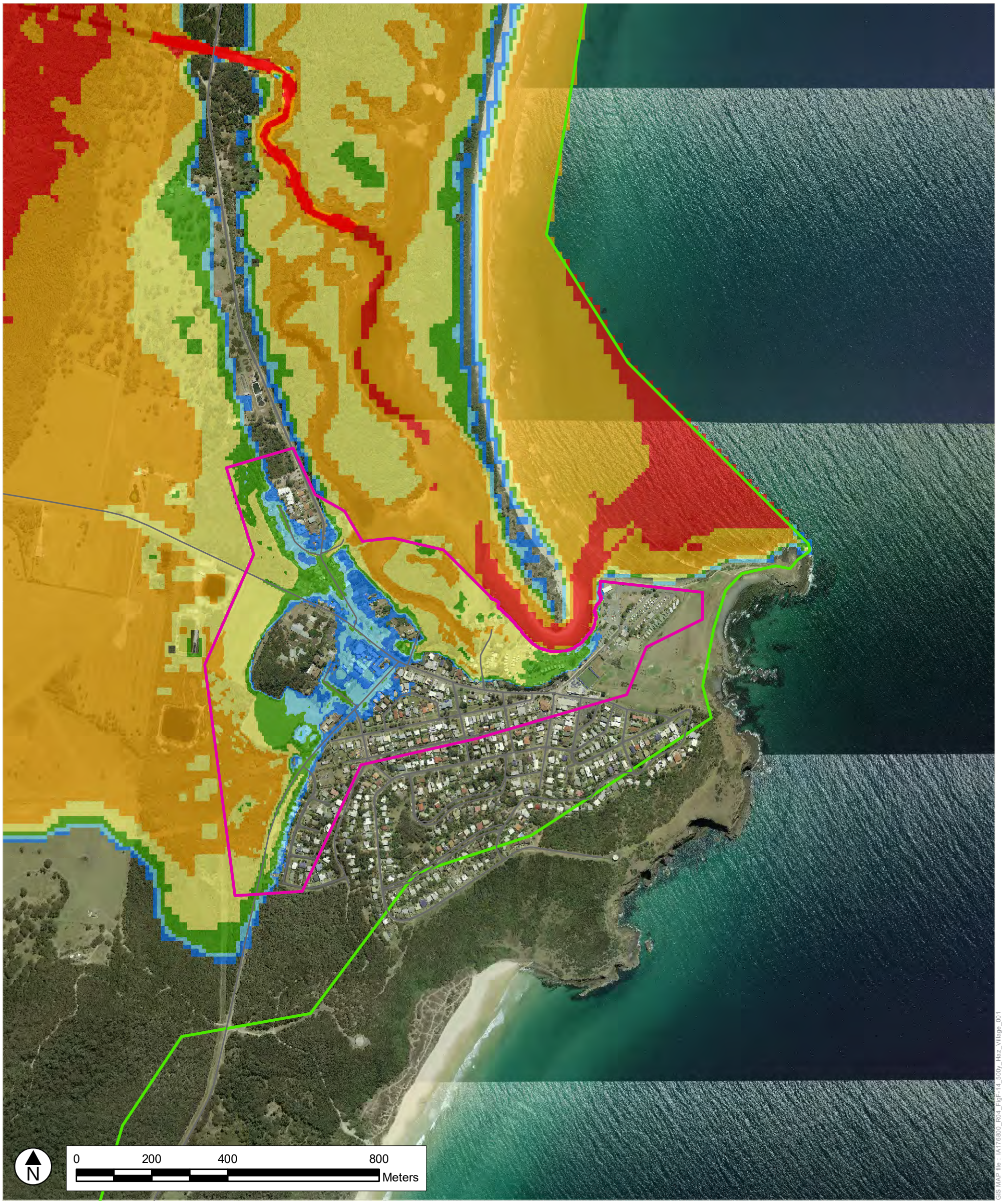
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(G)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file = IA176800_R04_FigF-14_500y_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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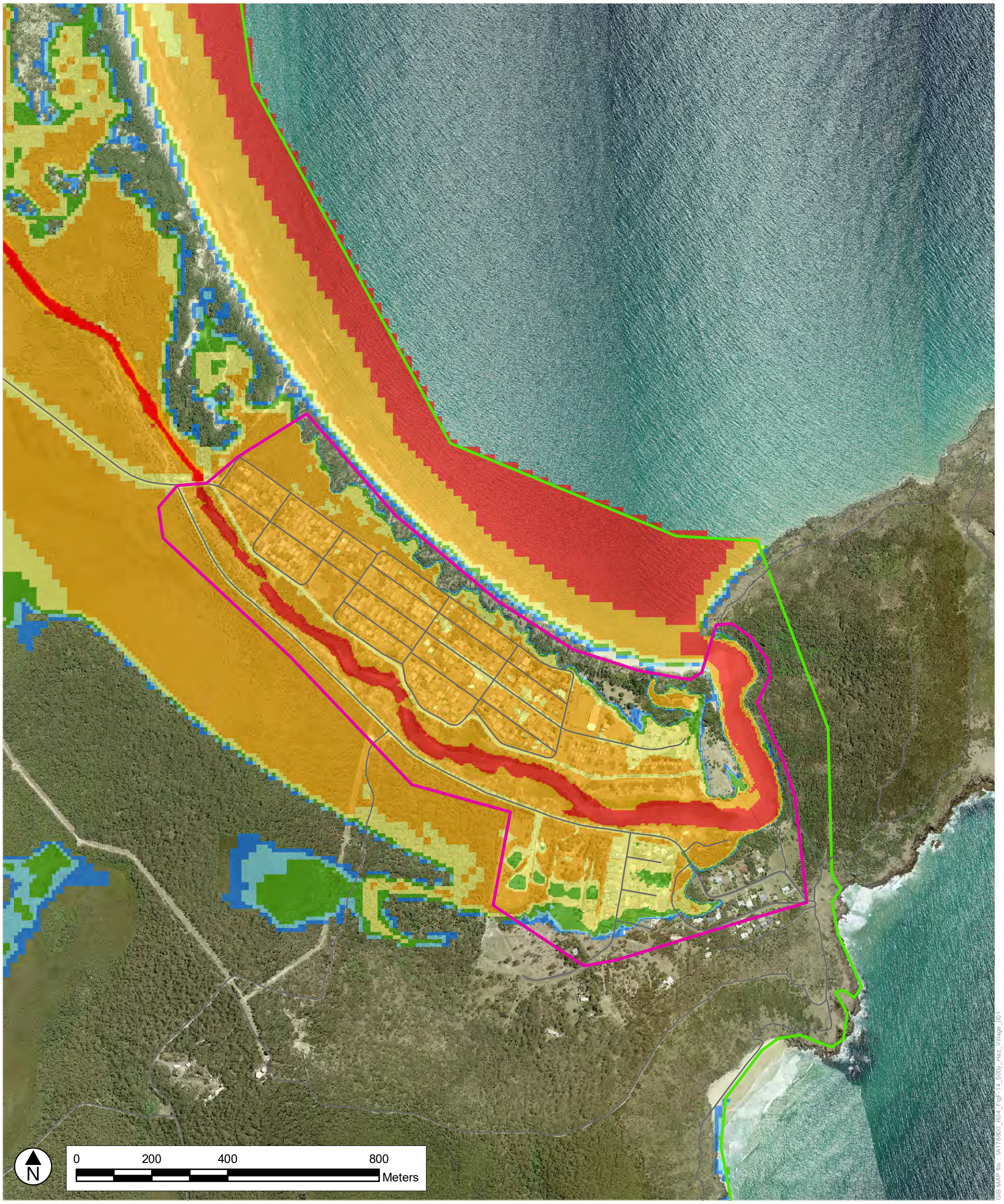
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(H)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

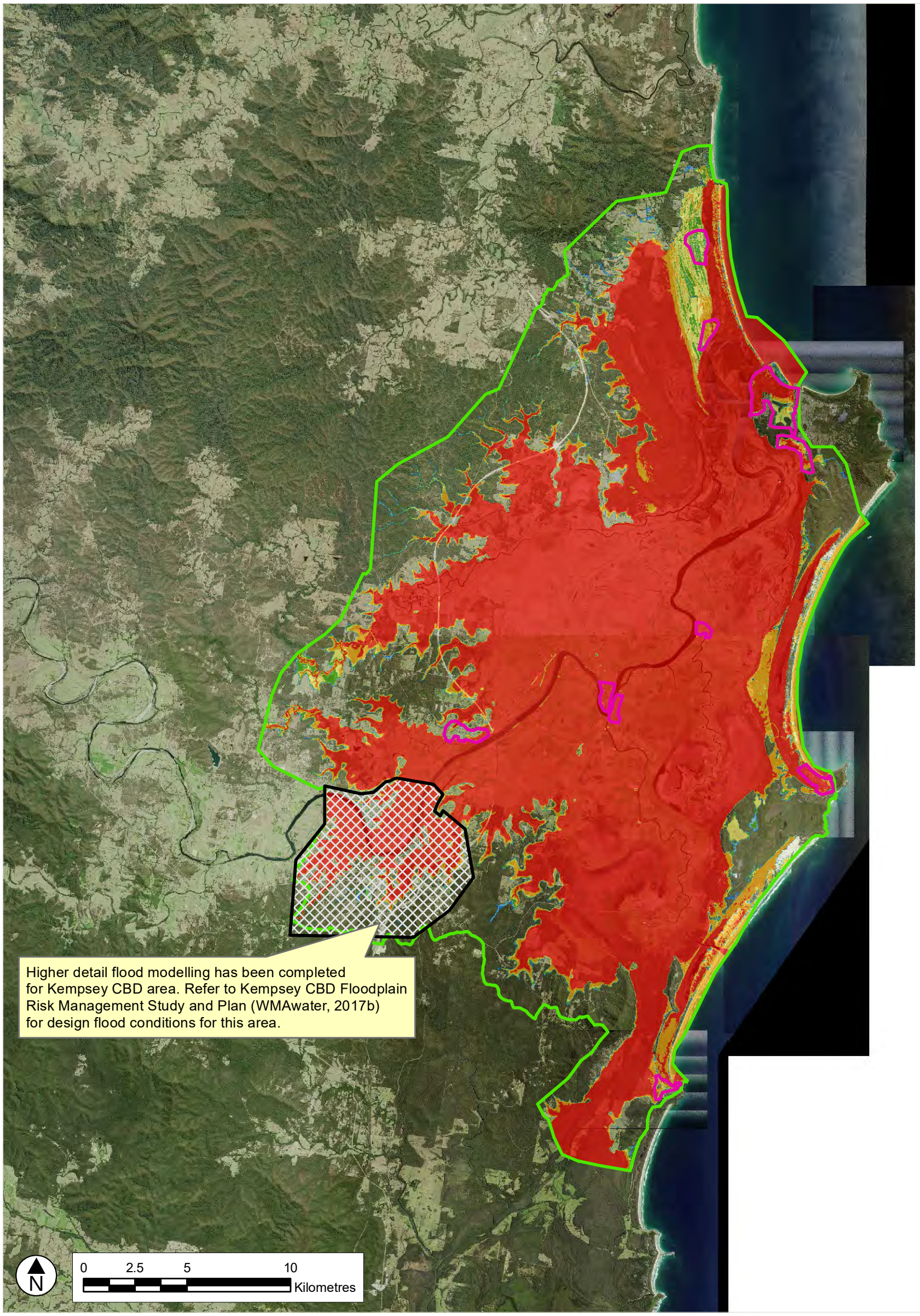
GDA 1994 MGA Zone 56

TITLE 0.2% AEP Event
Provisional Flood Hazard
Hat Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-14(I)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-14_500y_Haz_yVillage_001



GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

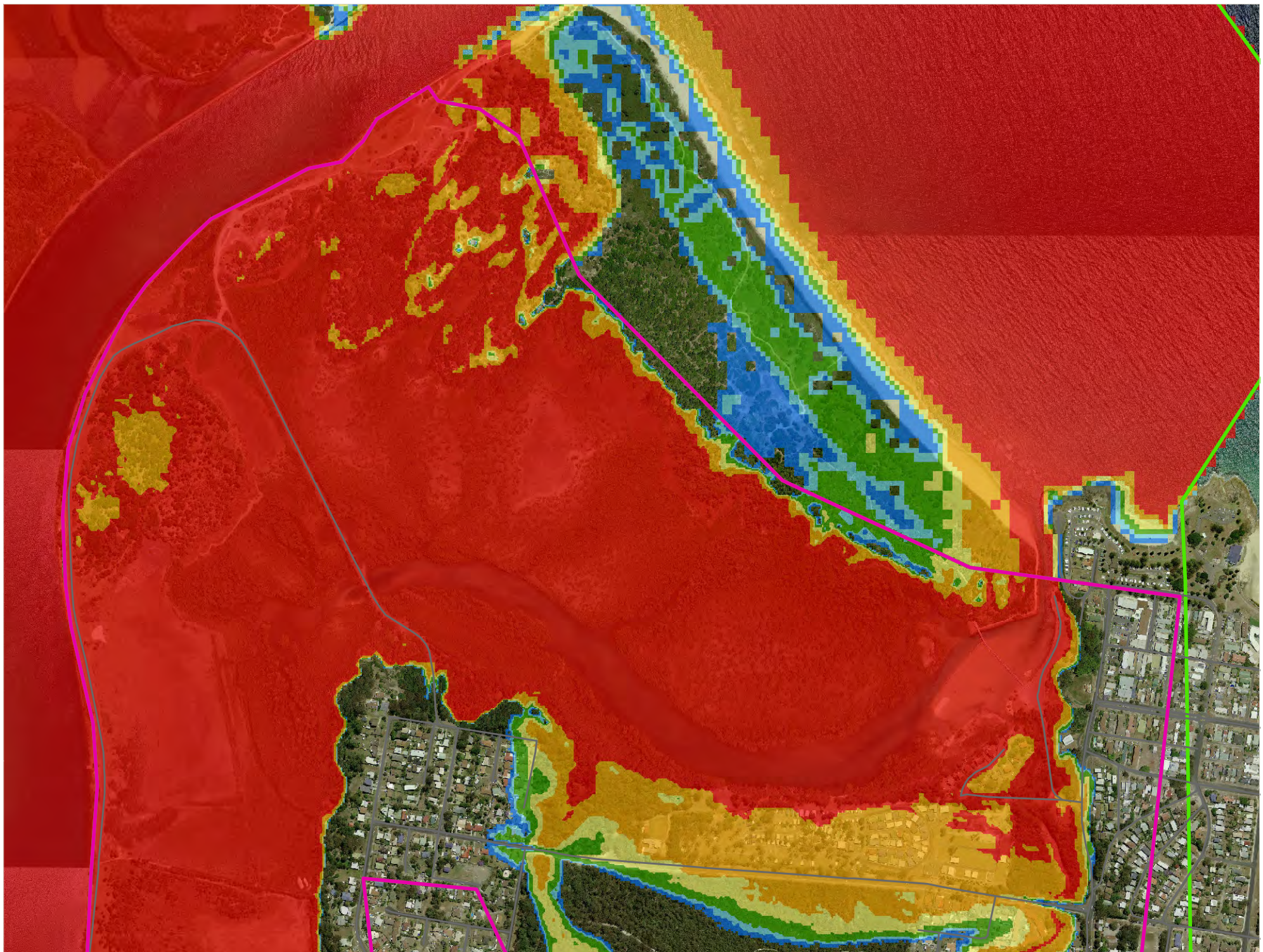
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-15	1	1
CHECK	DATE			
AH	5/09/2019			



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
South West Rocks (N)

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(A)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001

0 200 400 800 Meters

N

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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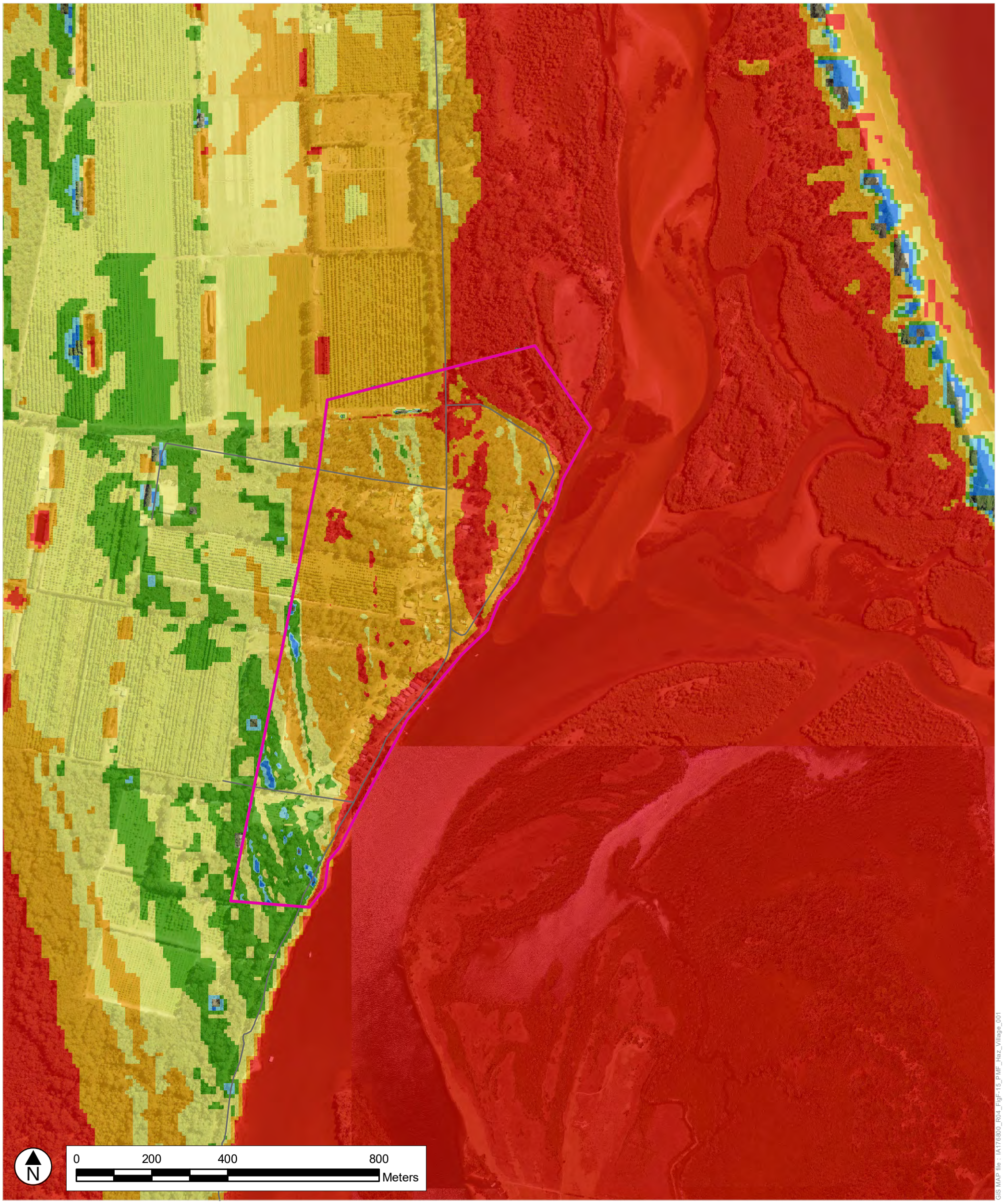
GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
South West Rocks (S) and Jerseyville

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(B)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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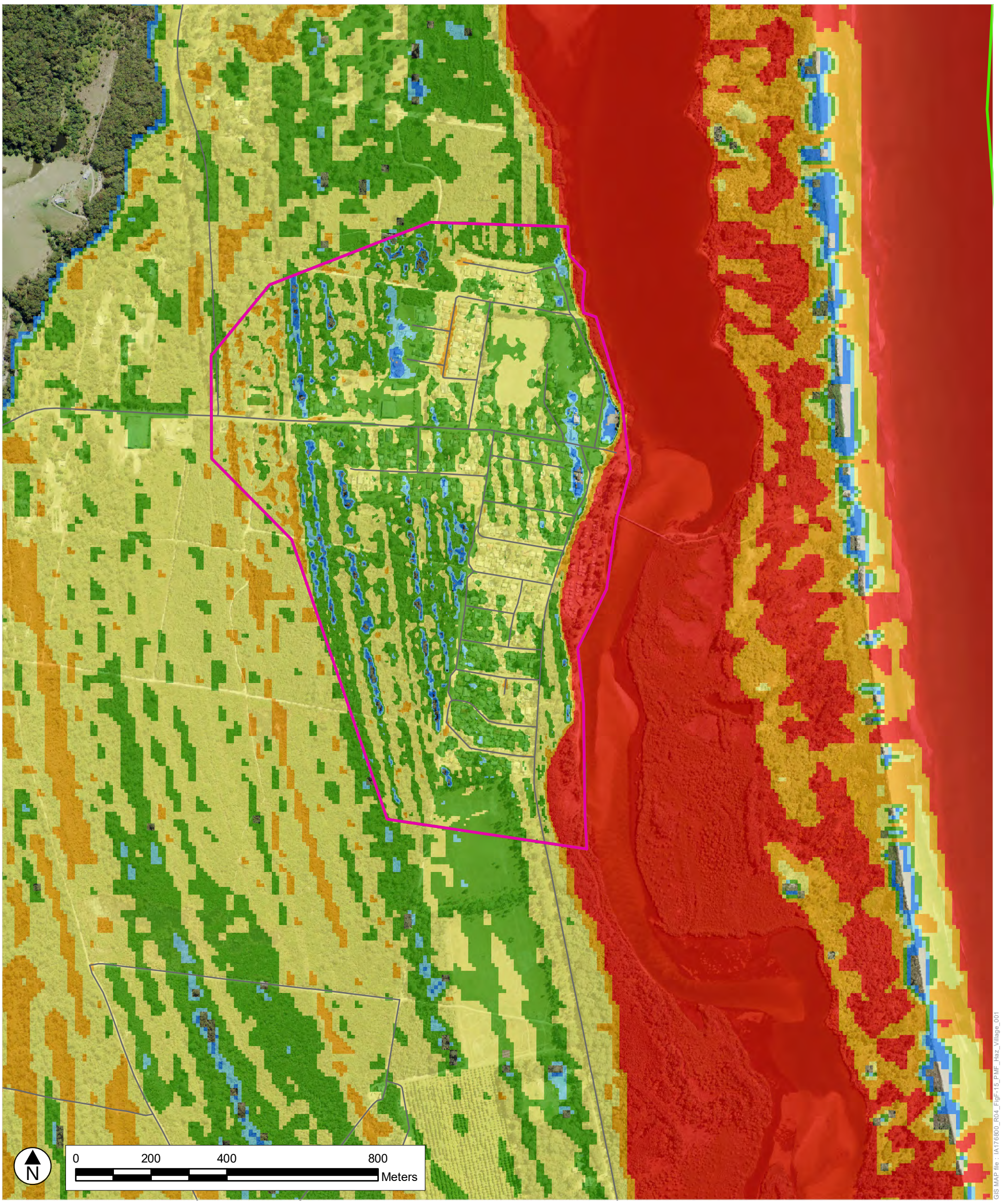
GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Fishermans Reach

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(C)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001



GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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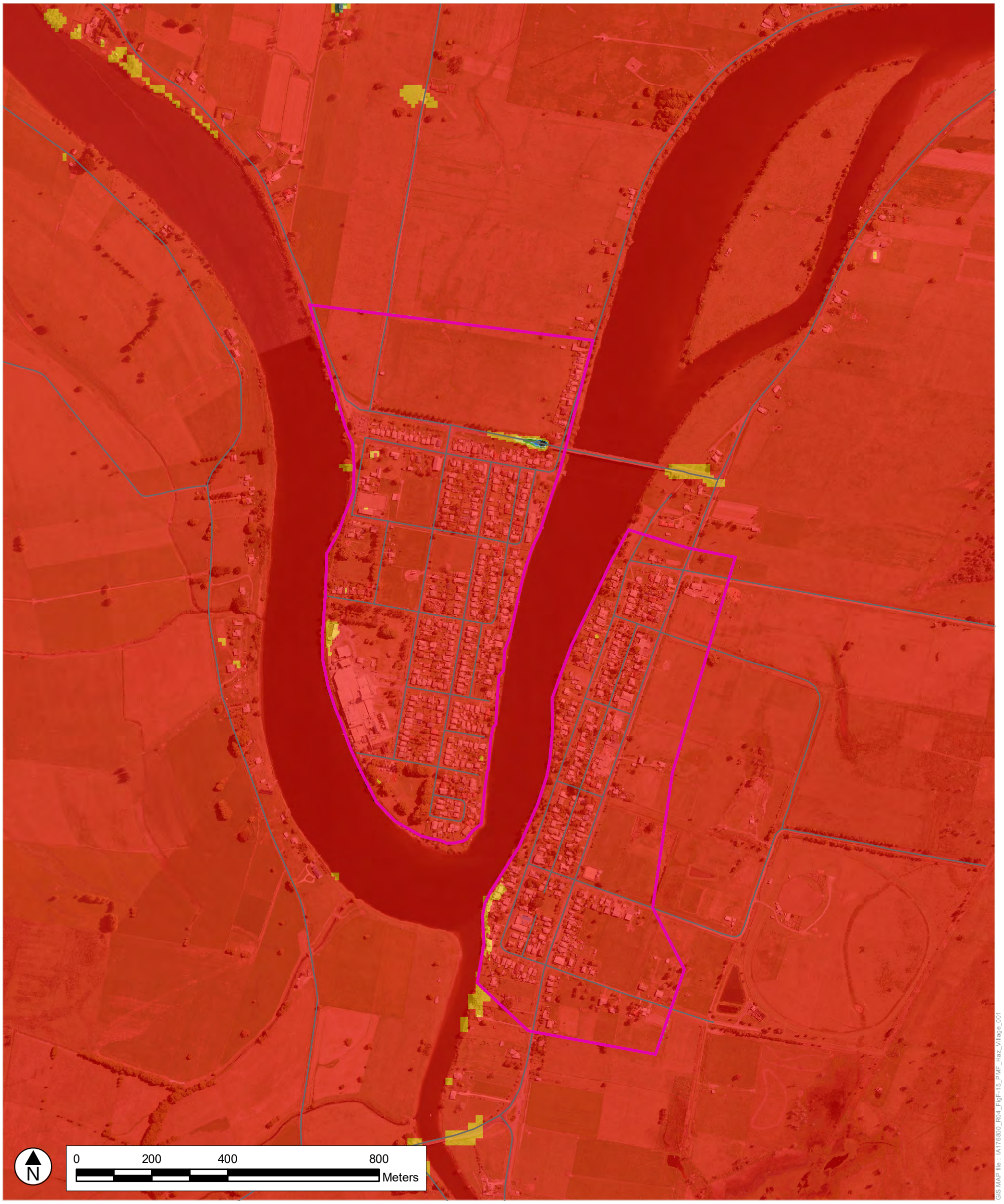
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Stuarts Point

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(D)
CHECK	DATE	
AH	4/09/2019	



GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

LIMITATIONS: This mapping is based on data and assumptions identified in the Lower Macleay Flood Study prepared by Jacobs. Jacobs does not warrant, guarantee or make representations regarding the currency and accuracy ofinformation contained in this map.

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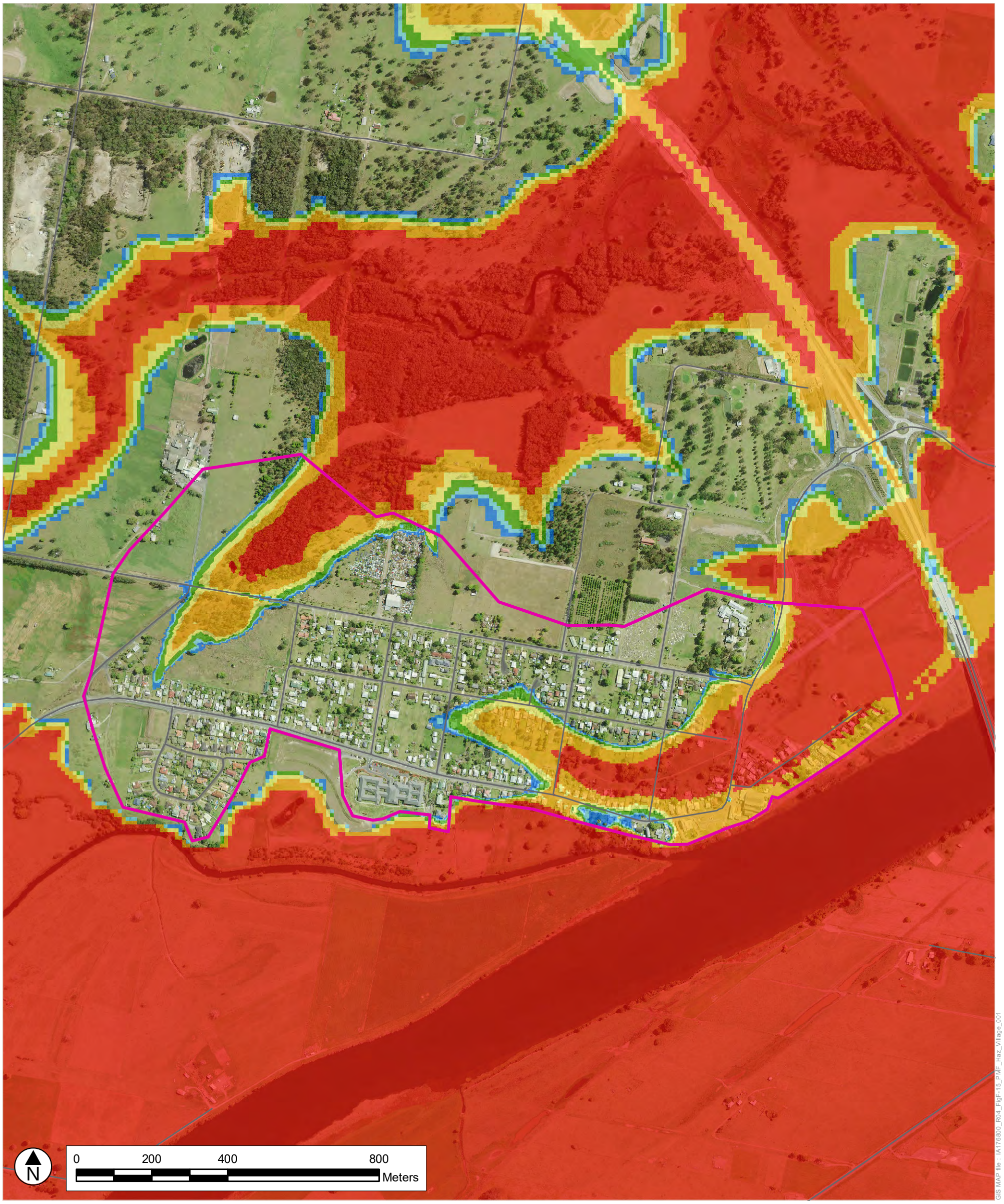
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Smithtown and Gladstone

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(E)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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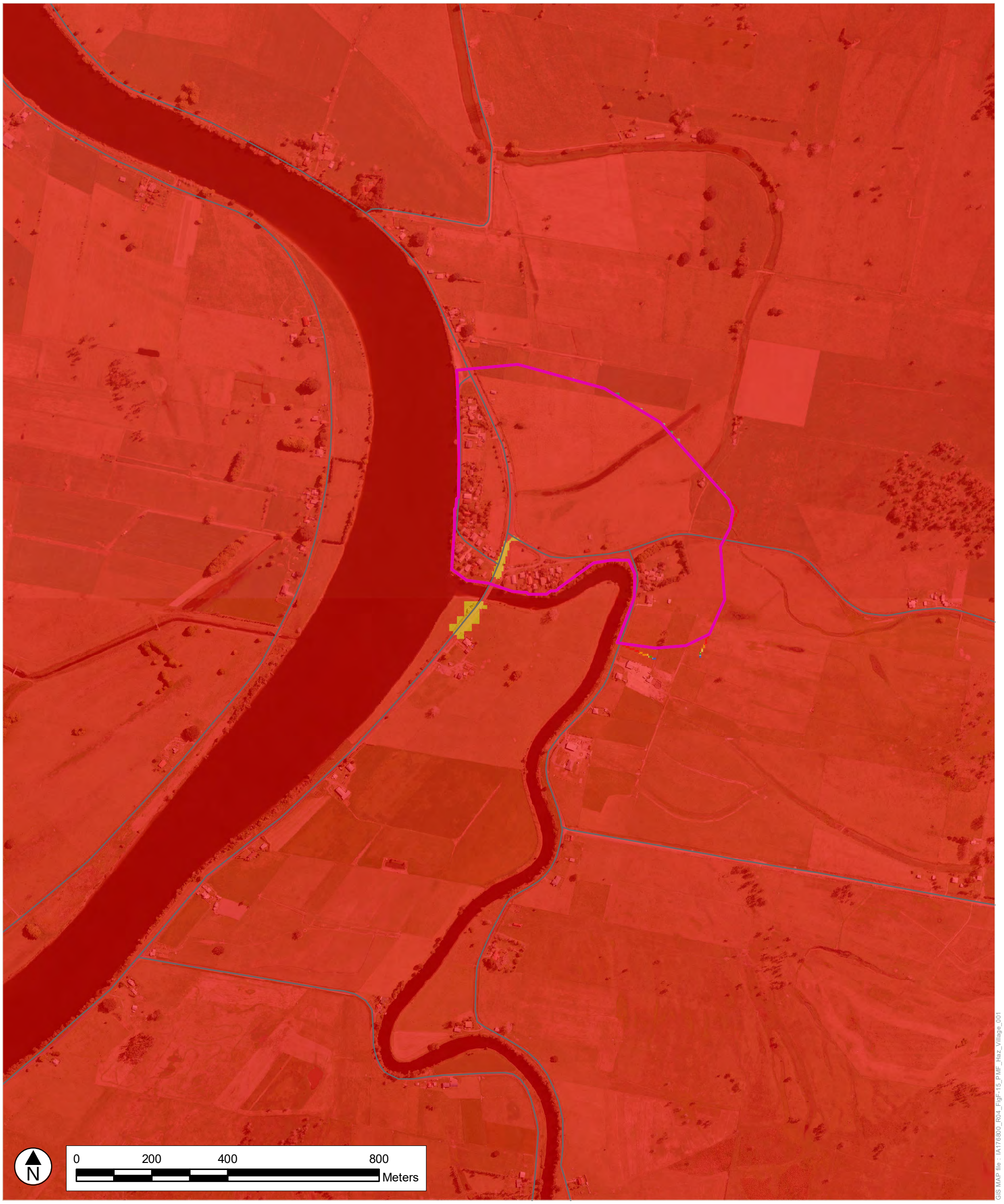
GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Frederickton

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(F)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001



GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001

Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

JACOBS

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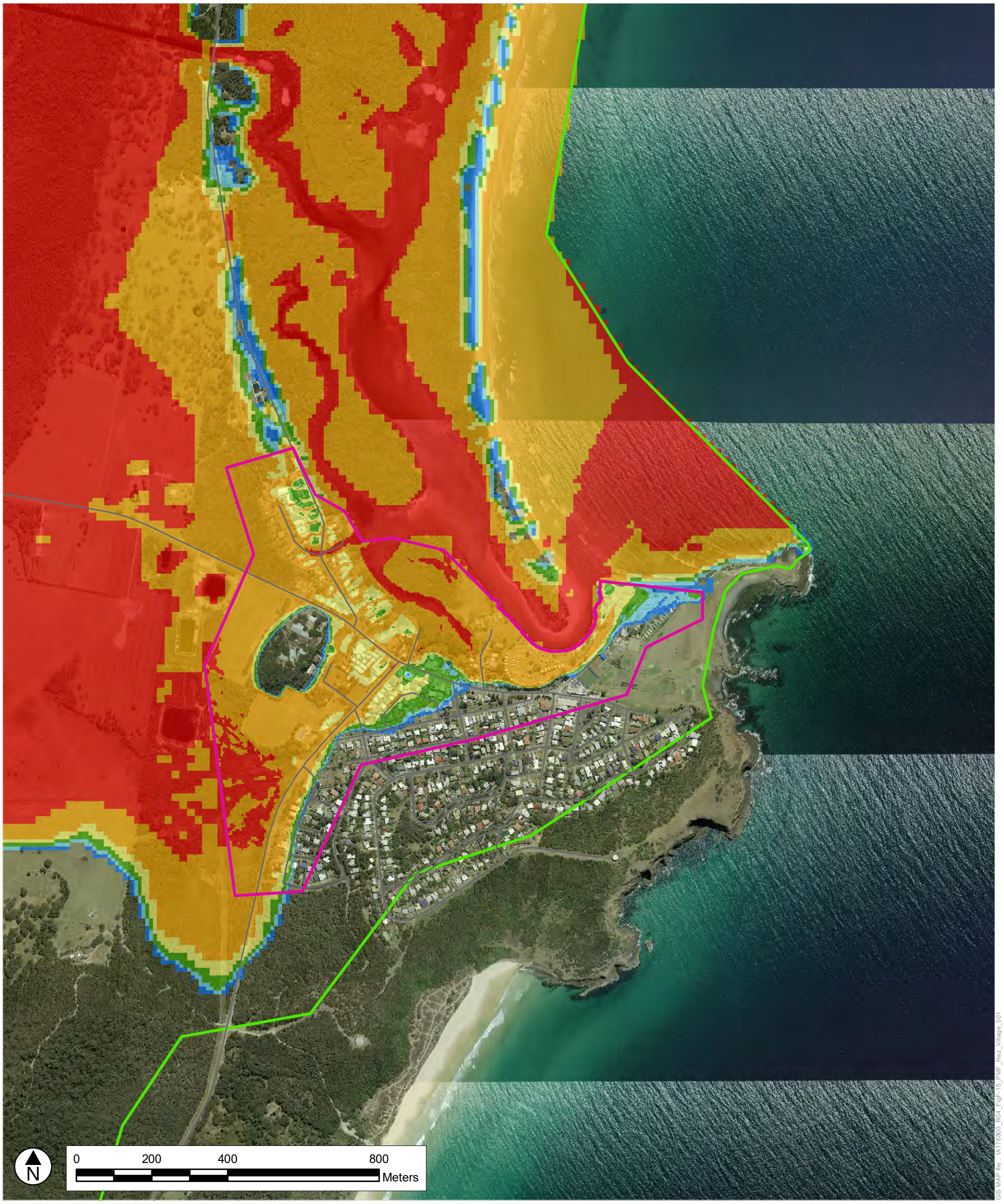
SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Kinchela

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(G)
CHECK	DATE	
AH	4/09/2019	



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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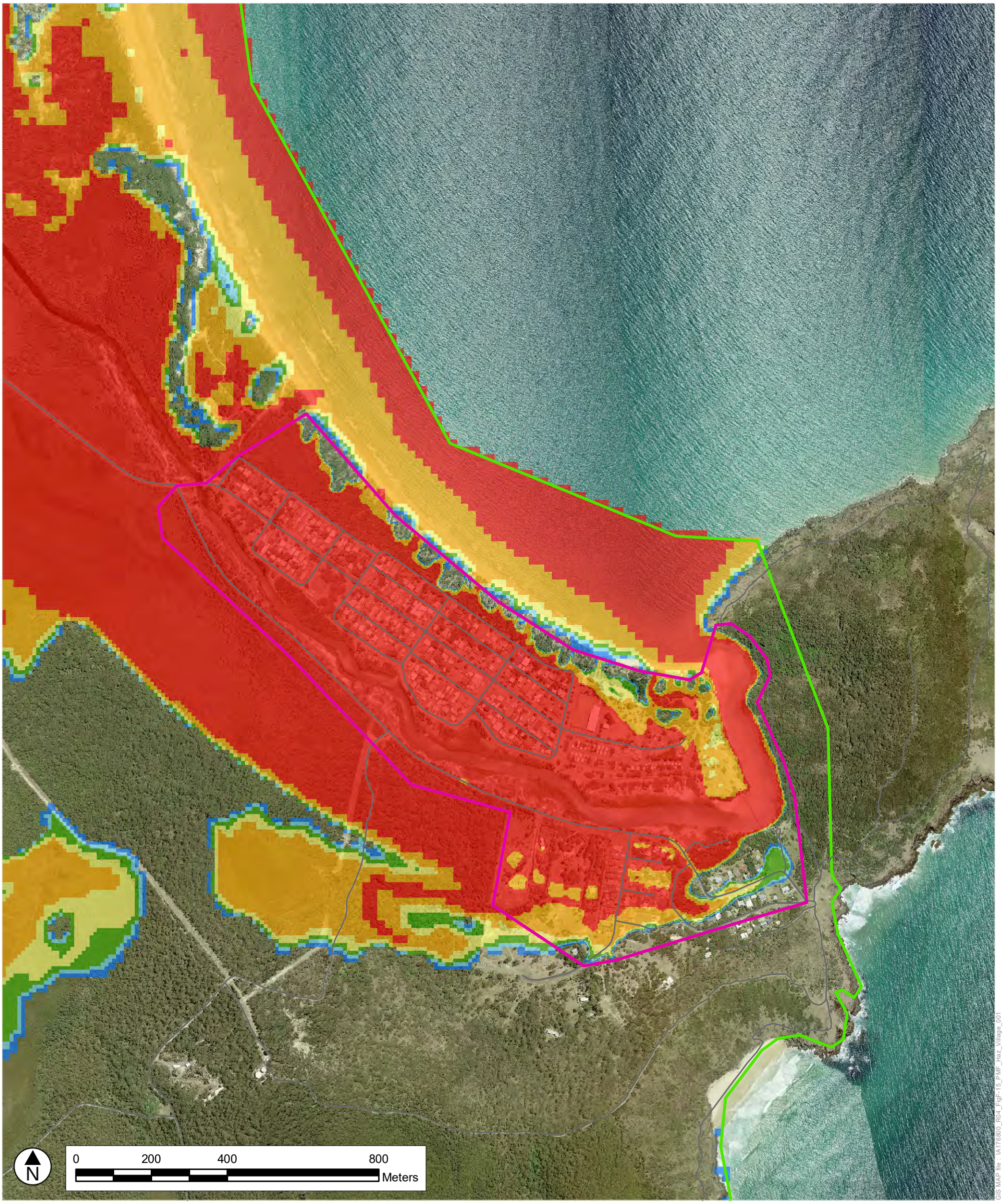
GDA 1994 MGA Zone 56

TITLE PMF Event
Provisional Flood Hazard
Crescent Head

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(H)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file = IA176800_R04_FigF-15_PMF_Haz_Village_001



Legend

Hazard Category

- H1 - Generally safe for vehicles, people and buildings.
- H2 - Unsafe for small vehicles.
- H3 - Unsafe for all vehicles, children and the elderly.
- H4 - Unsafe for all people and all vehicles.
- H5 - Unsafe for all people and all vehicles. Buildings require special engineering design and construction.
- H6 - Unsafe for Vehicles and people. All building types considered vulnerable to failure.

- Road
- 5m Model Grid Boundary
- Limit of Mapping

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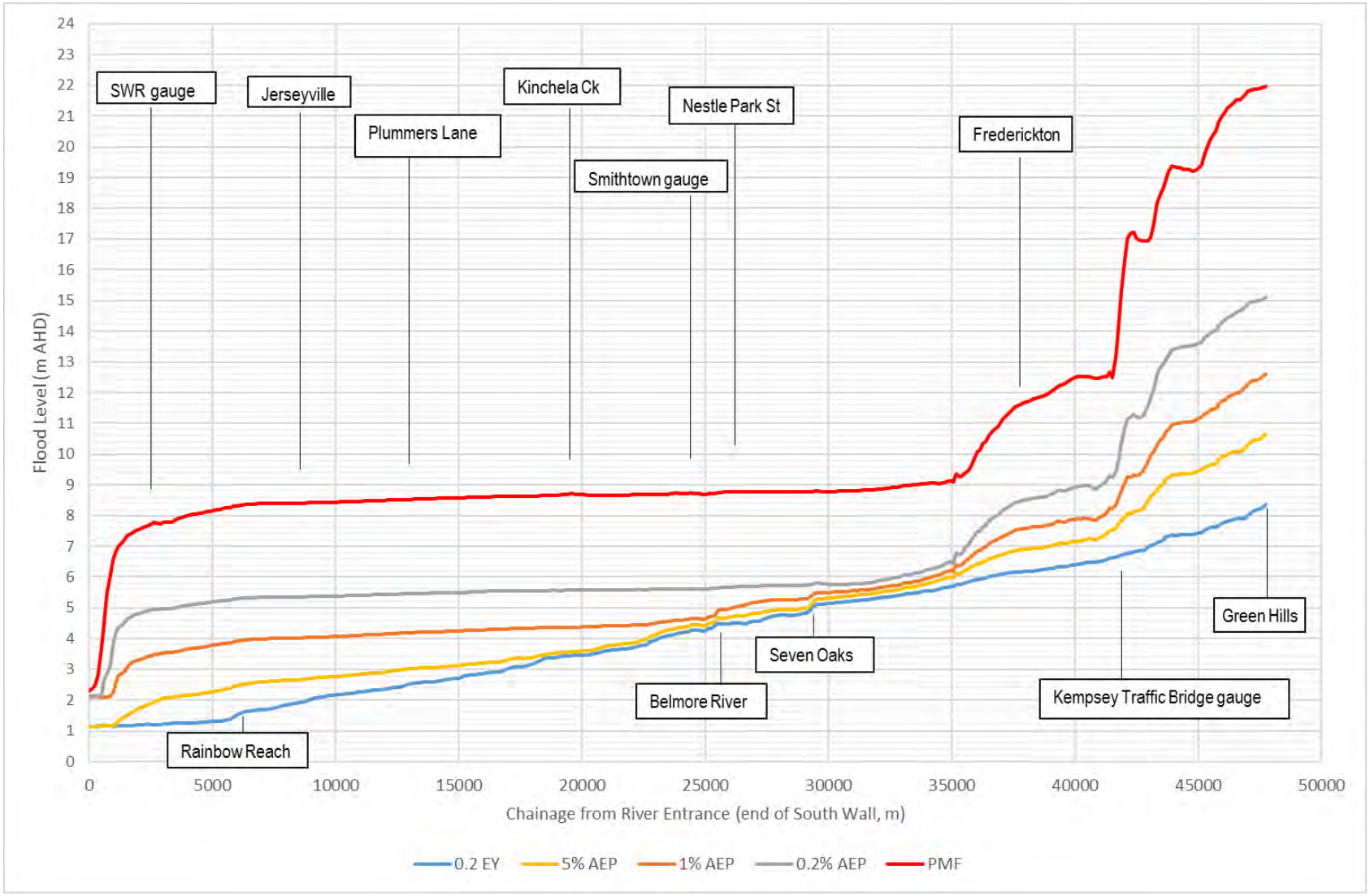
TITLE PMF Event
Provisional Flood Hazard
Hat Head

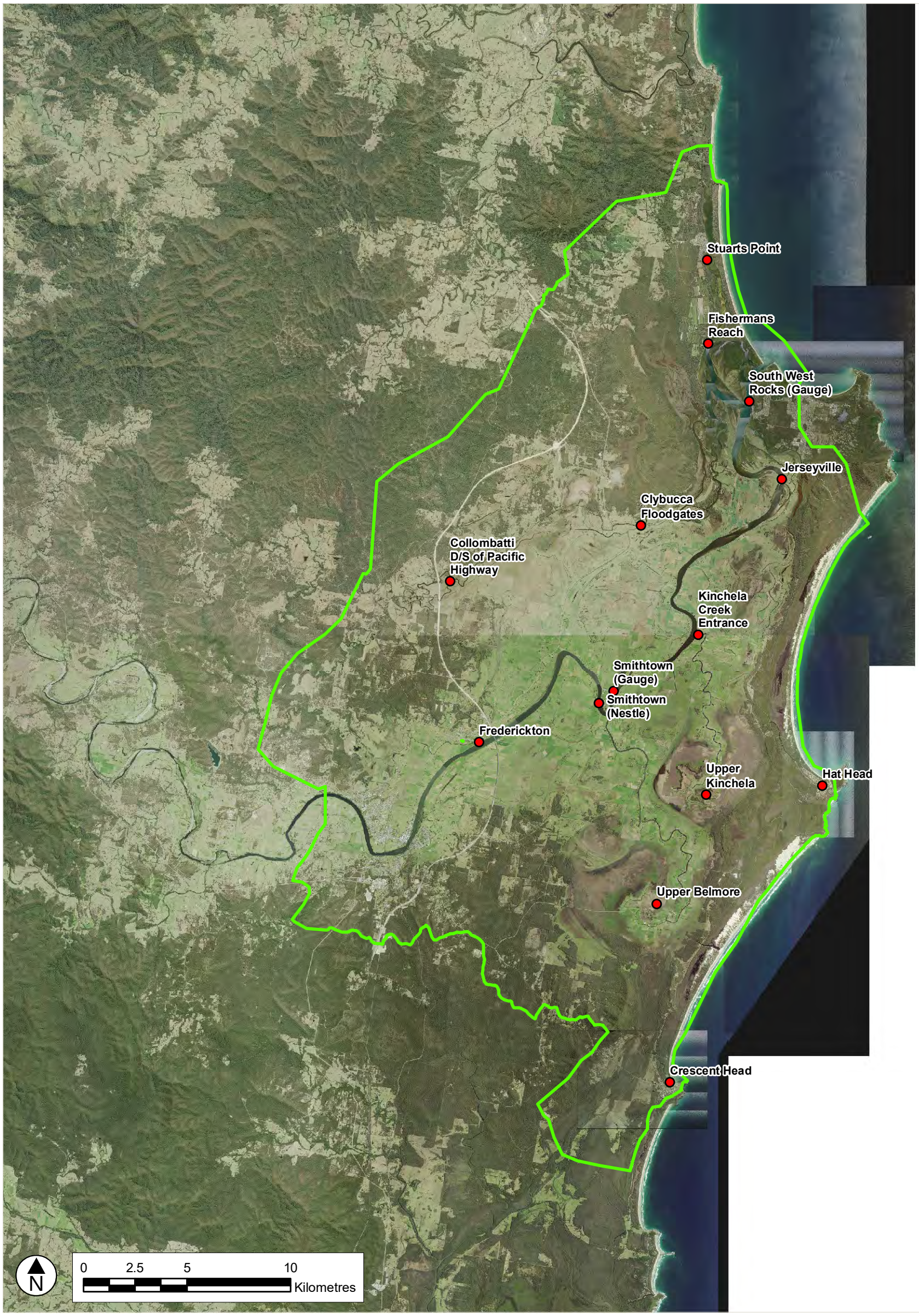
PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #
LC	IA176800	FIGURE F-15(I)
CHECK	DATE	
AH	4/09/2019	

GIS MAP file : IA176800_R04_FigF-15_PMF_Haz_Village_001

Figure F-16 Design Flood Profiles – Macleay River





GIS MAP file : IA176800_R03_FigF-17_ReportingLoc_01

Legend

- Reporting Location
- TUFLOW Model Extent

A3

SHEET 1 of 1

GDA 1994 MGA Zone 56

TITLE Flood Level Reporting Locations

PROJECT Lower Macleay Flood Study

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DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-17	1	1
CHECK	DATE			
AH	12/07/2019			

Figure F-18: Water Level Hydrographs – Frederickton

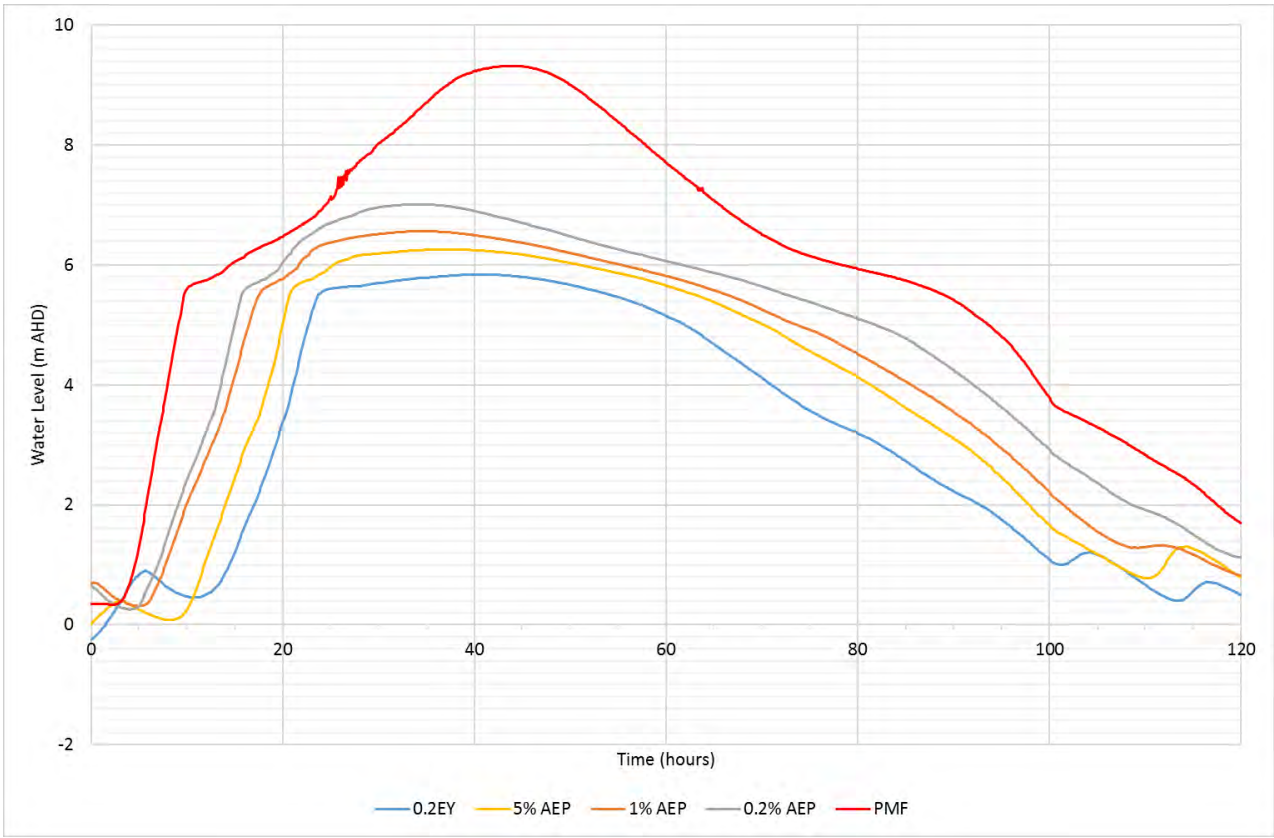


Figure F-19: Water Level Hydrographs - Smithtown (Nestle, Park Street)

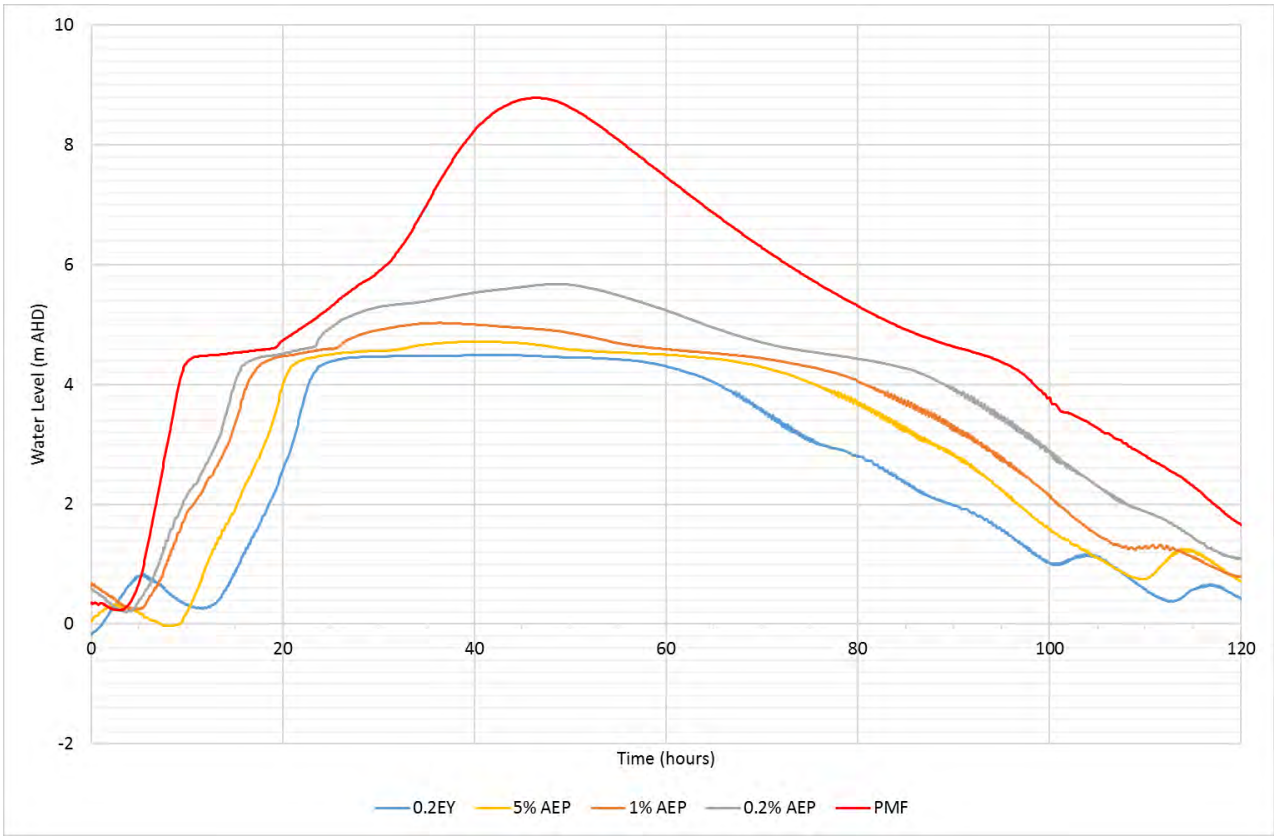


Figure F-20: Water Level Hydrographs - Smithtown (Gauge)

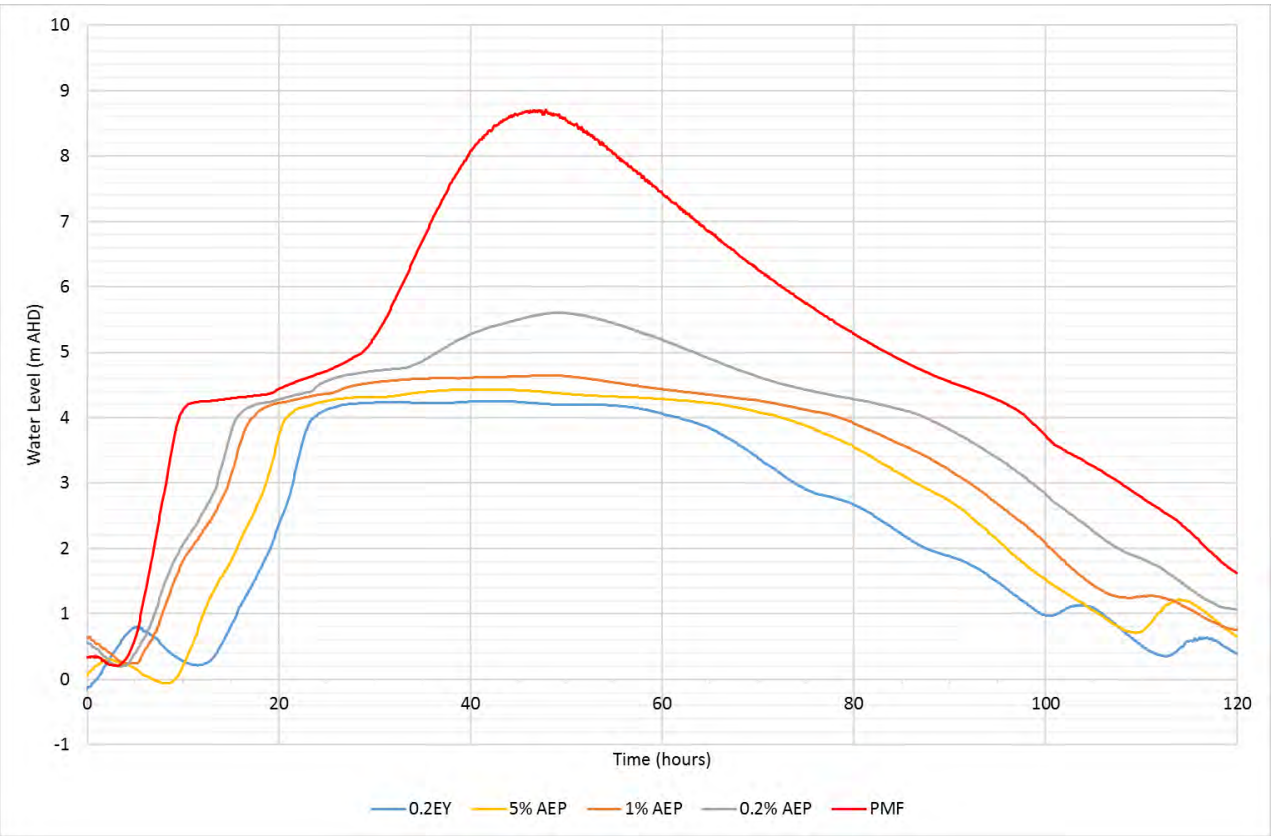


Figure F-21: Water Level Hydrographs – Kinchela Creek Entrance

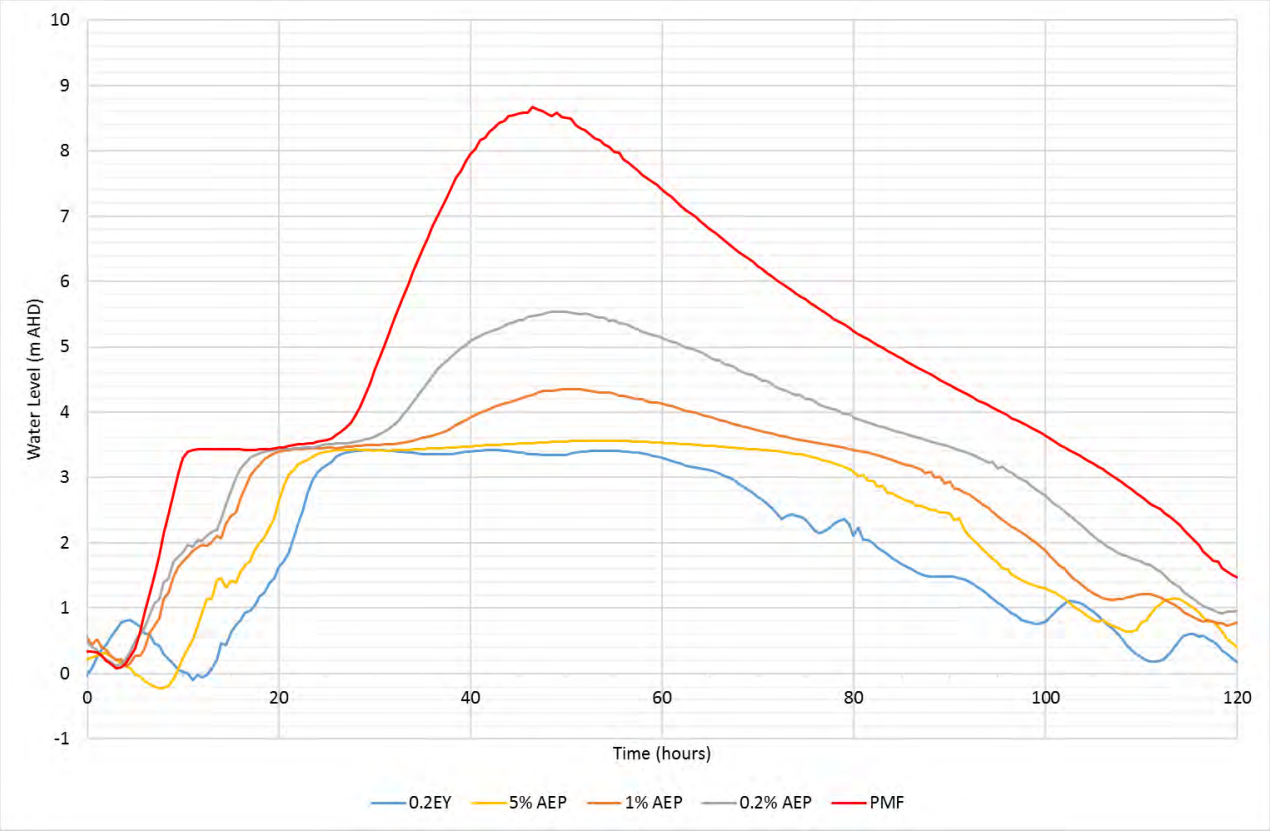


Figure F-22: Water Level Hydrographs – Jerseyville

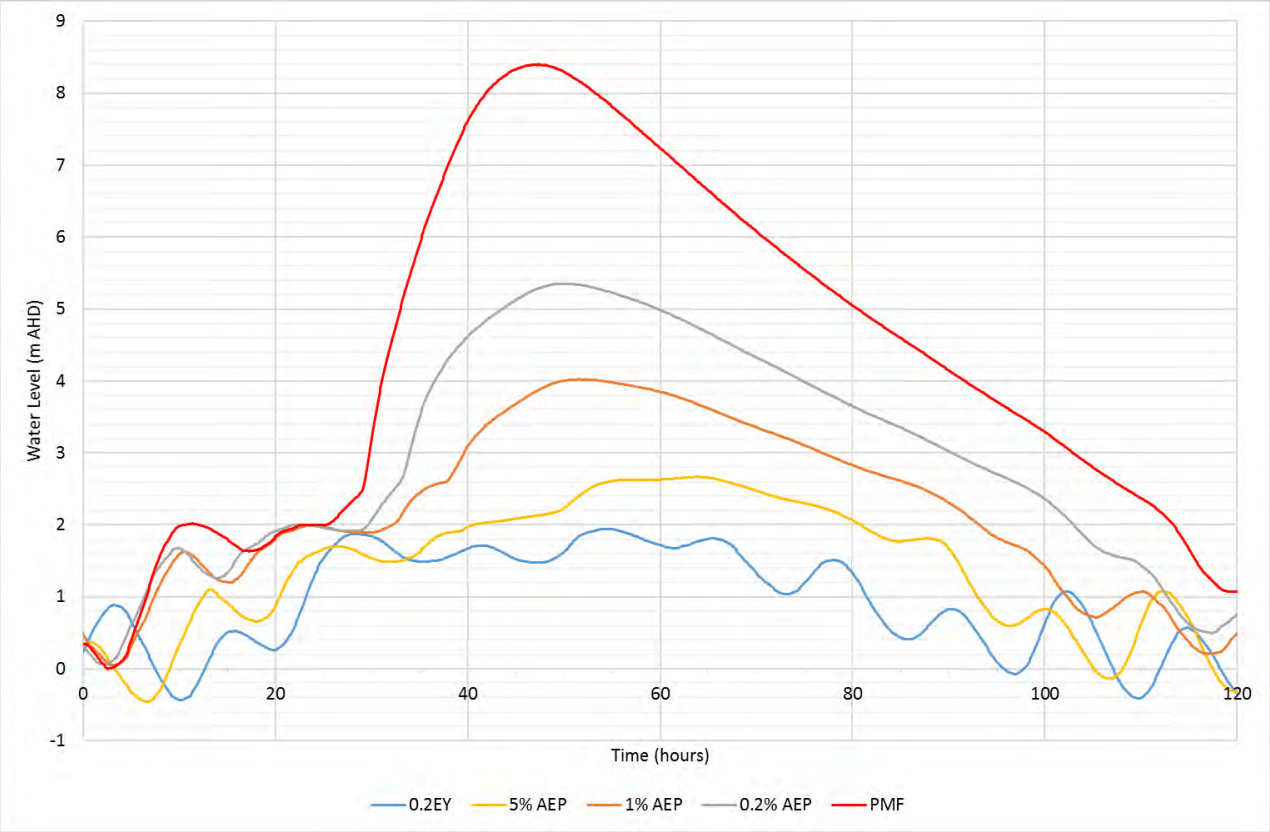


Figure F-23: Water Level Hydrographs - South West Rocks (Gauge)

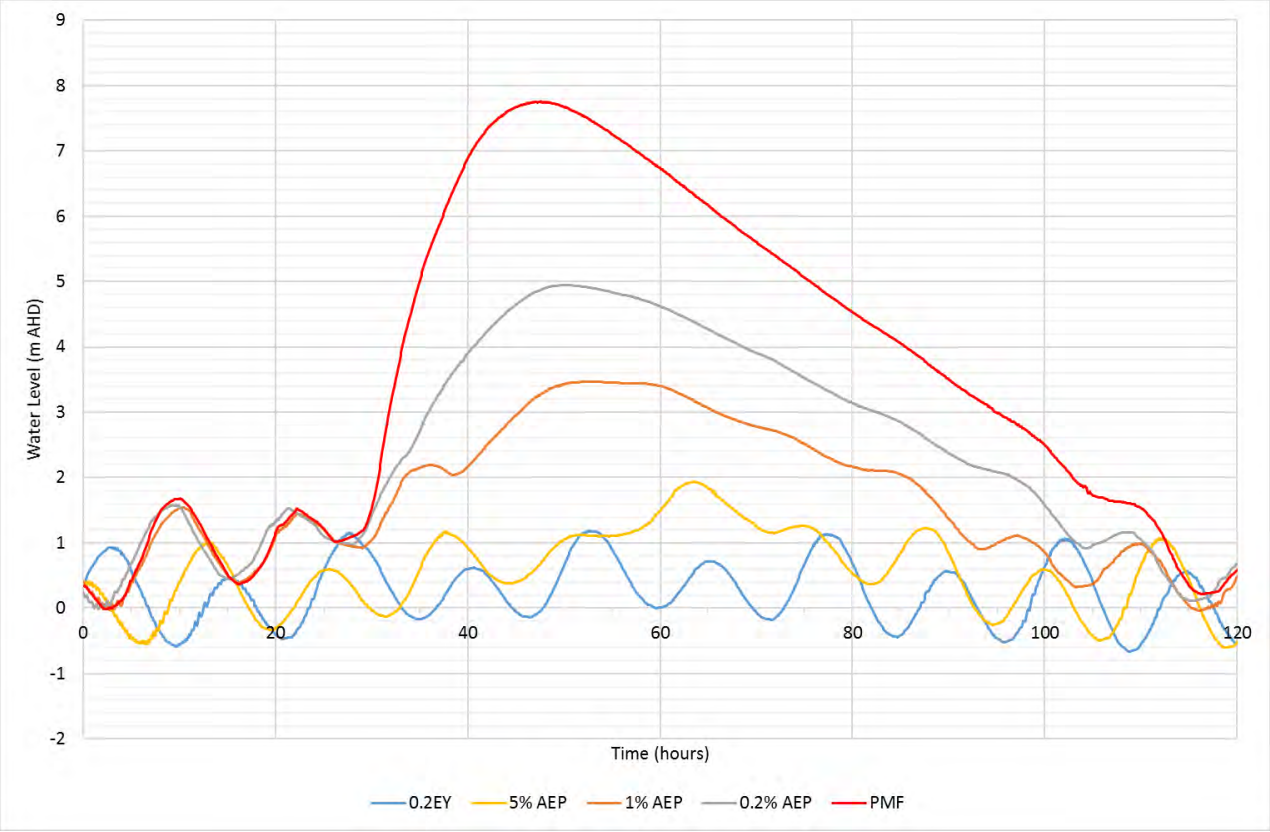


Figure F-24: Water Level Hydrographs - Fishermans Reach

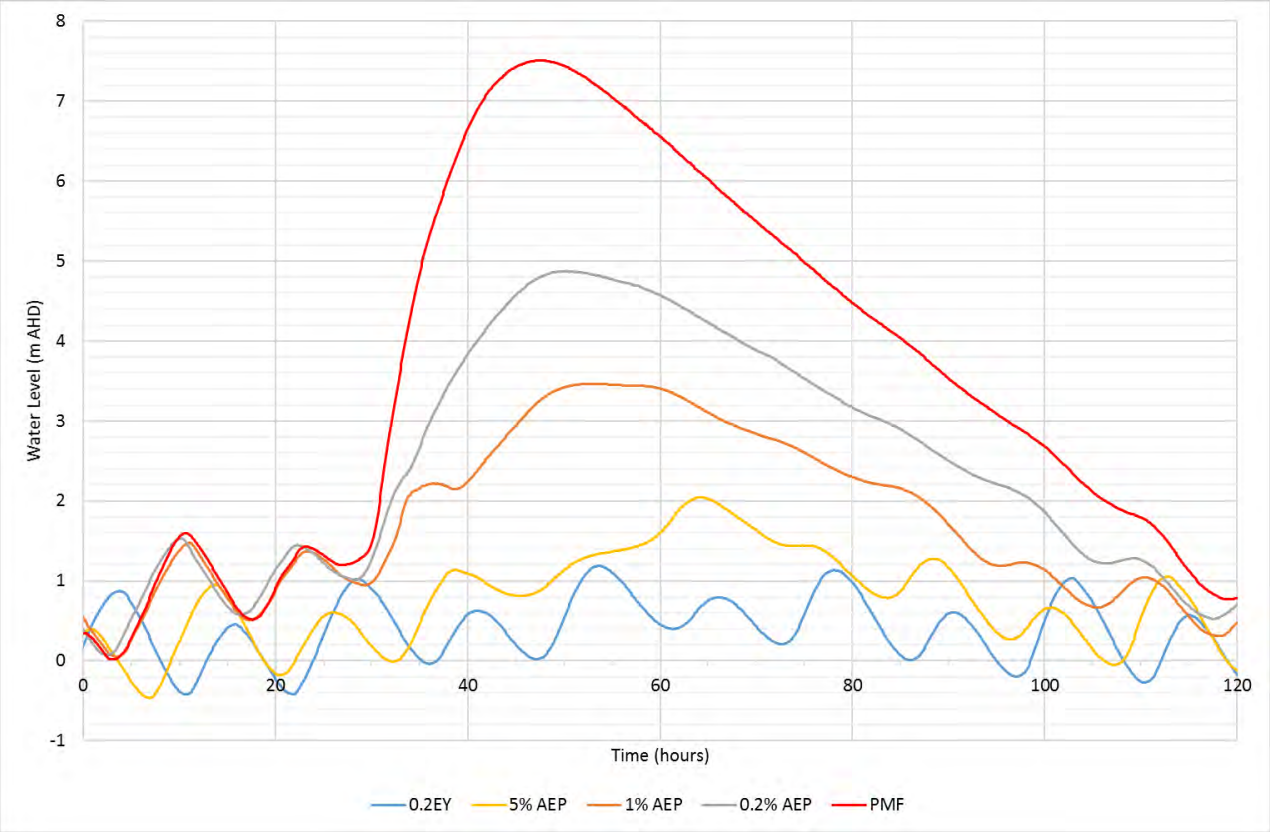


Figure F-25: Water Level Hydrographs - Stuarts Point

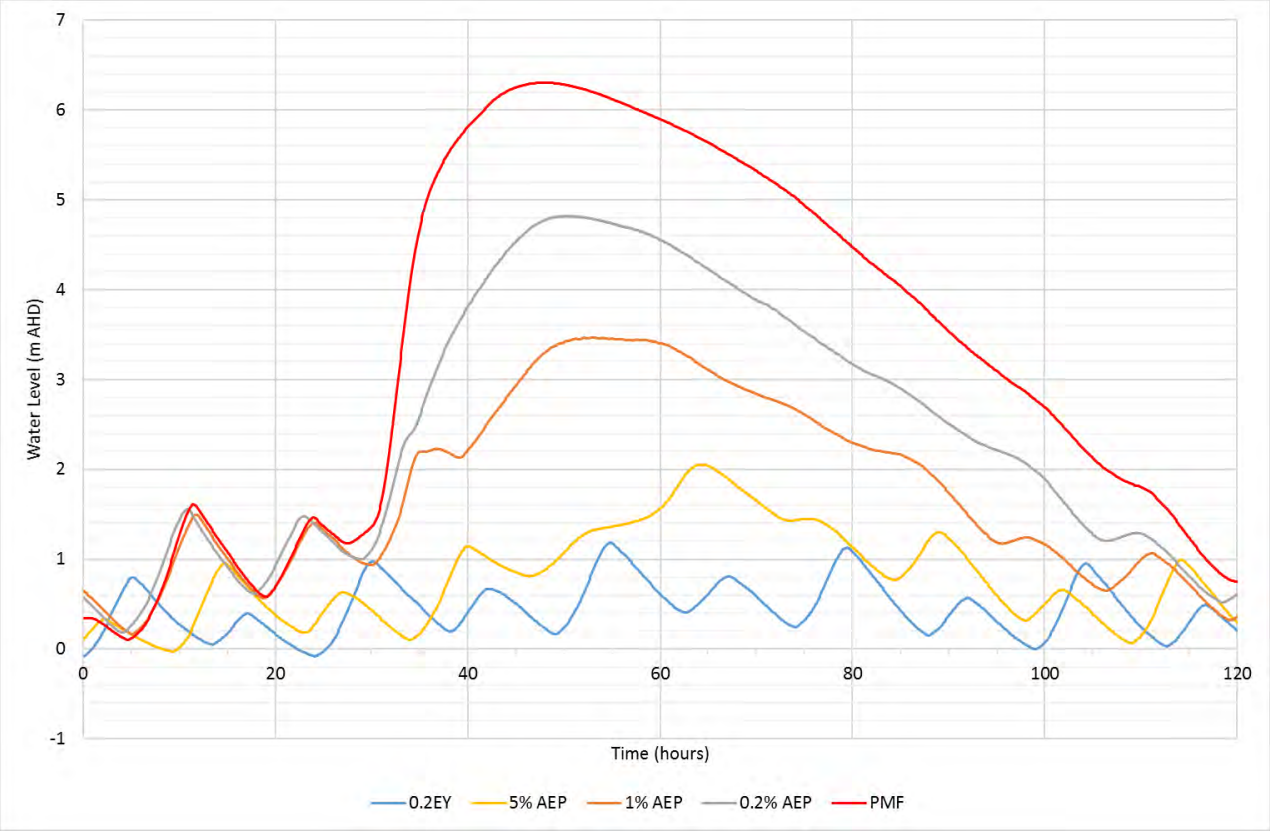


Figure F-26: Water Level Hydrographs - Collombatti D/S of Pacific Highway

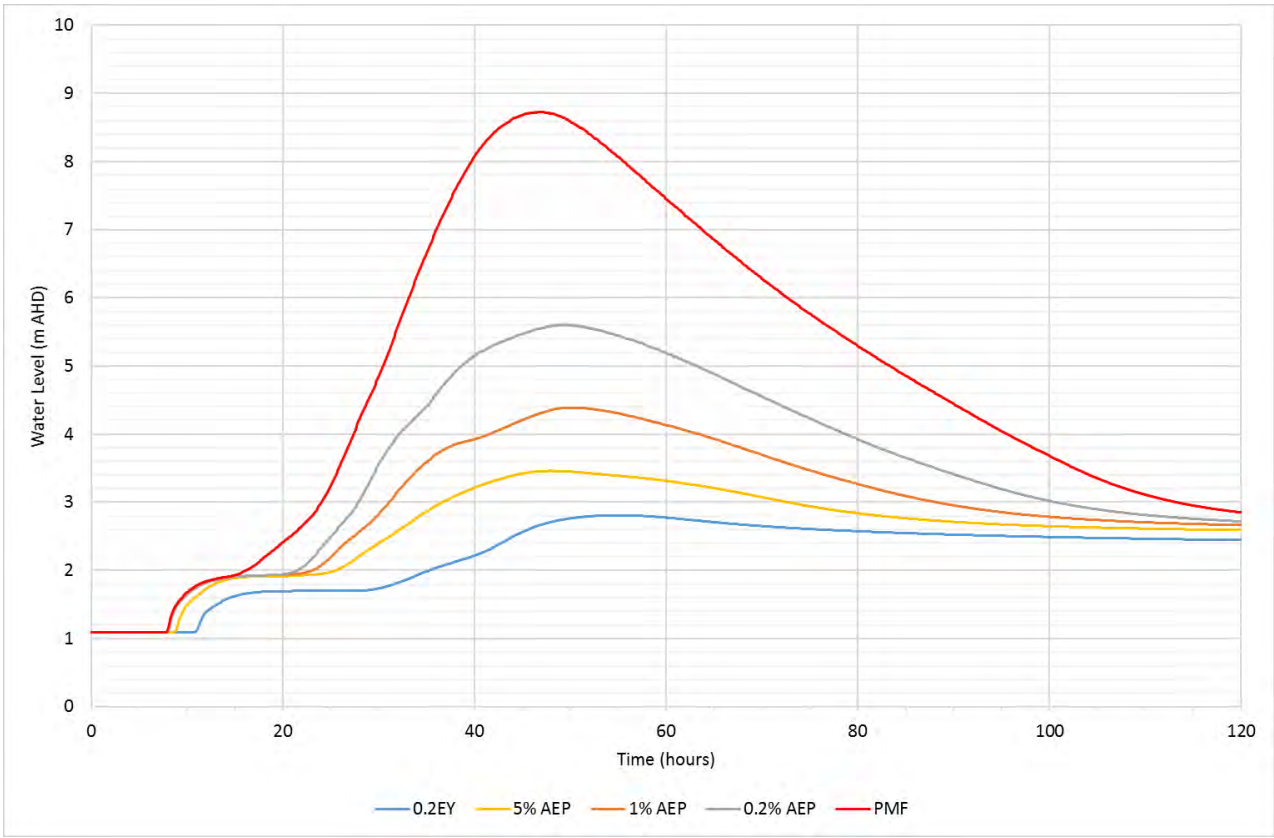


Figure F-27: Water Level Hydrographs - Clybucca Floodgates

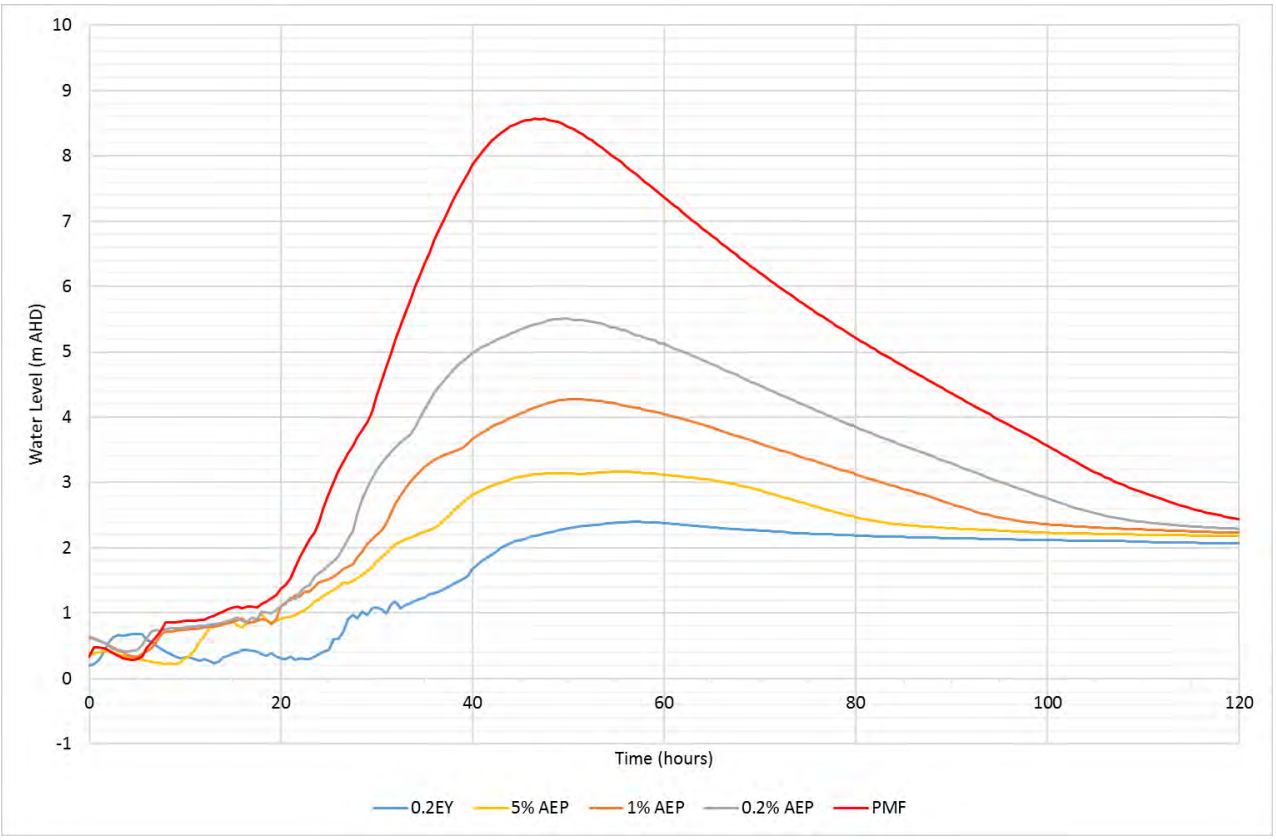


Figure F-28: Water Level Hydrographs - Upper Belmore

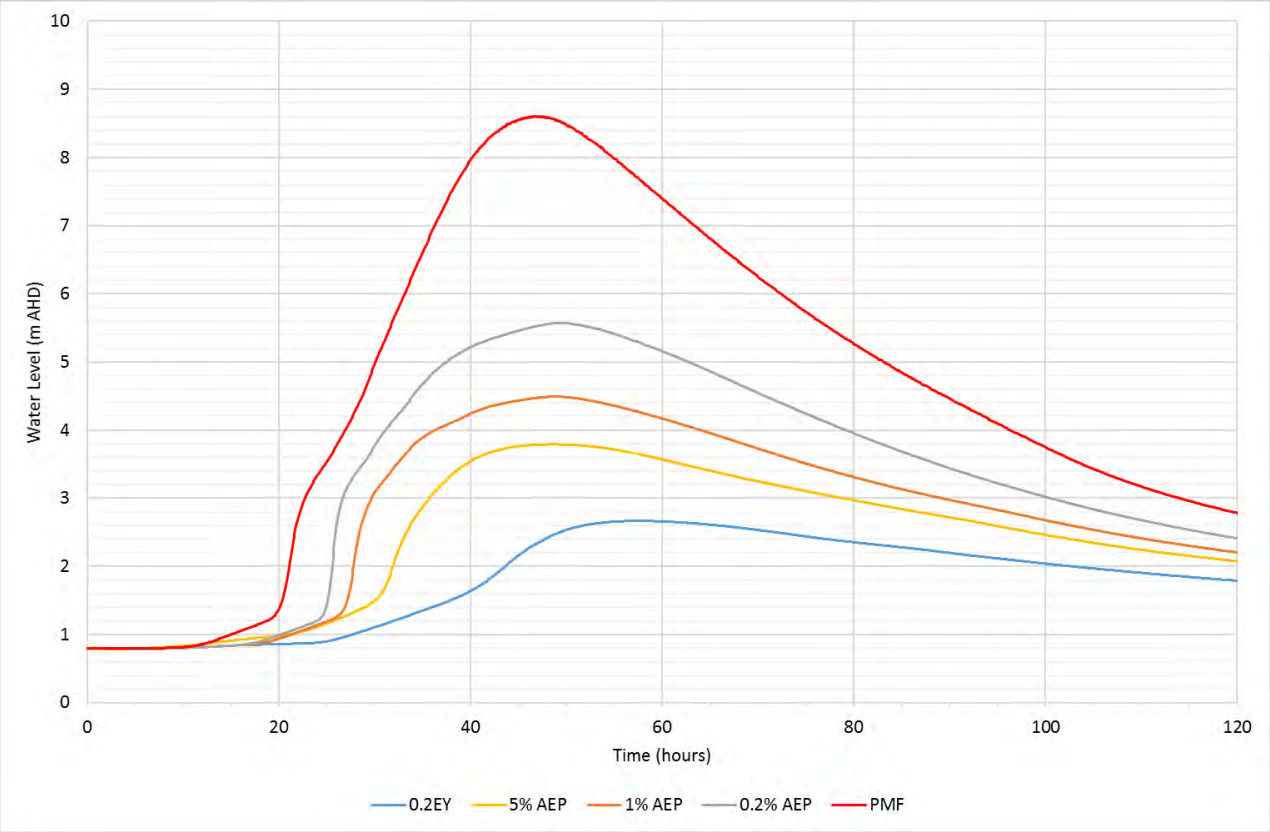


Figure F-29: Water Level Hydrographs - Upper Kinchela

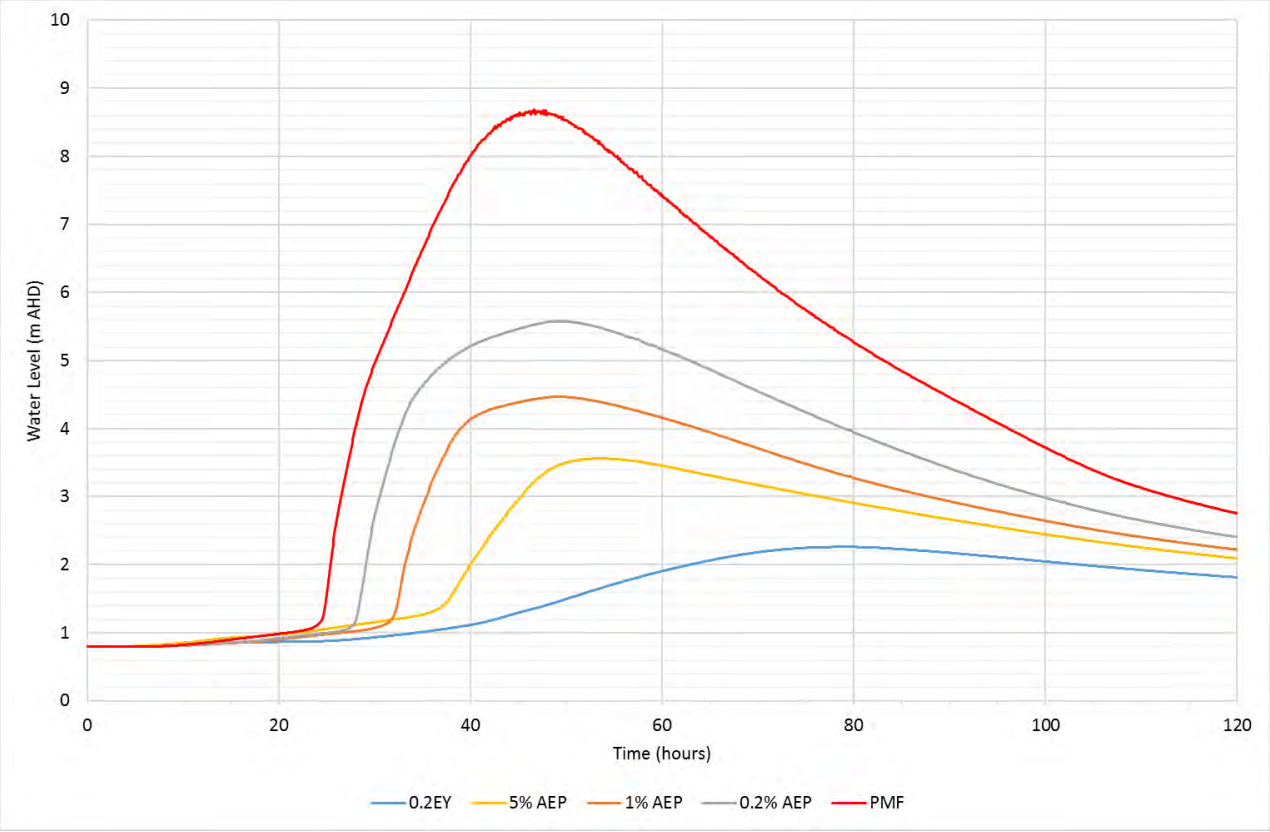


Figure F-30: Water Level Hydrographs - Hat Head

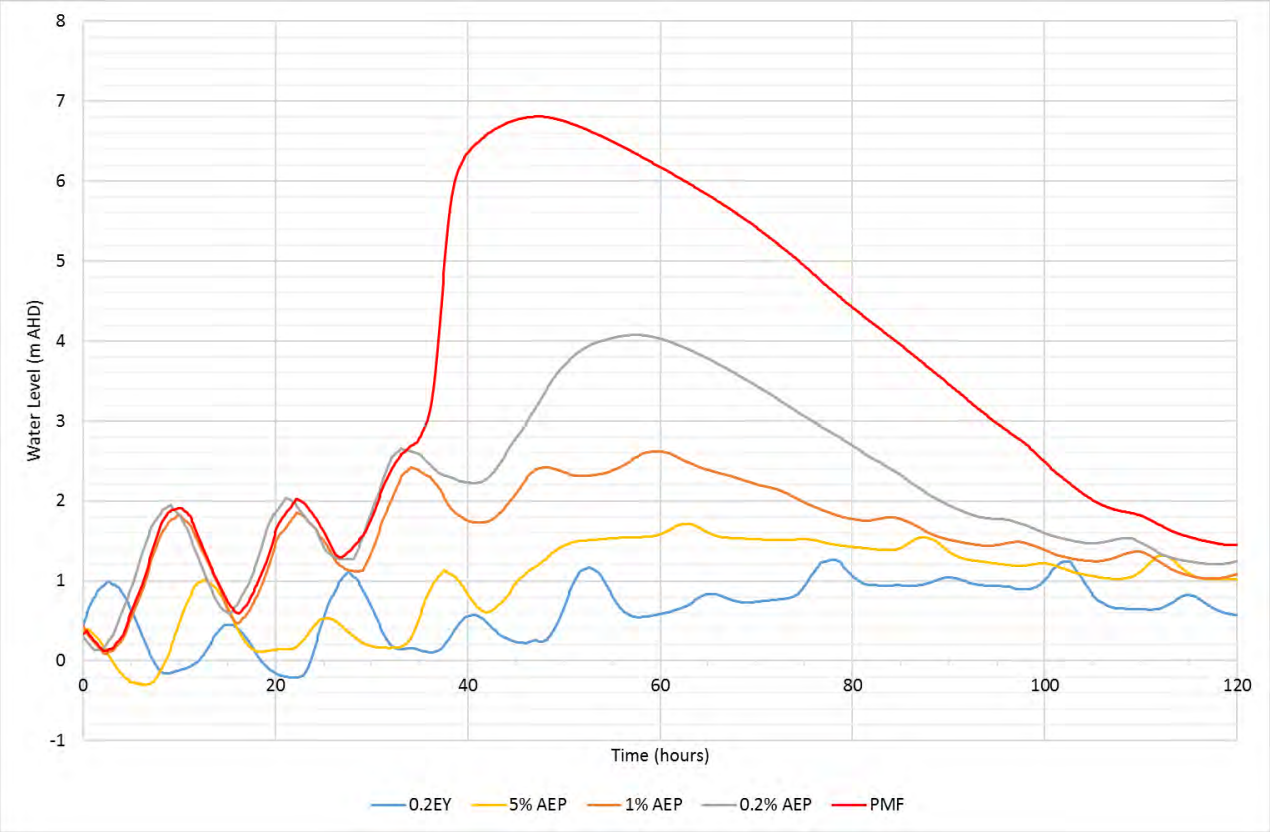
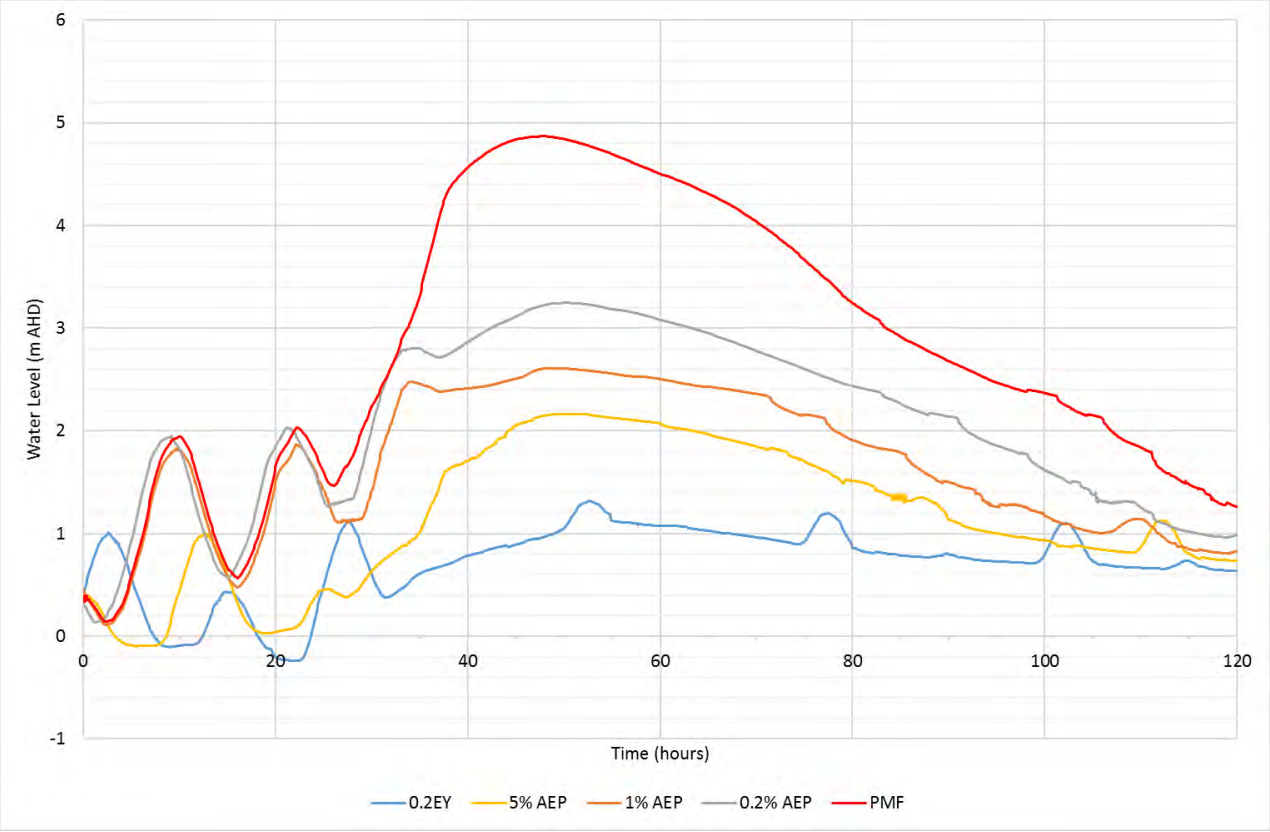
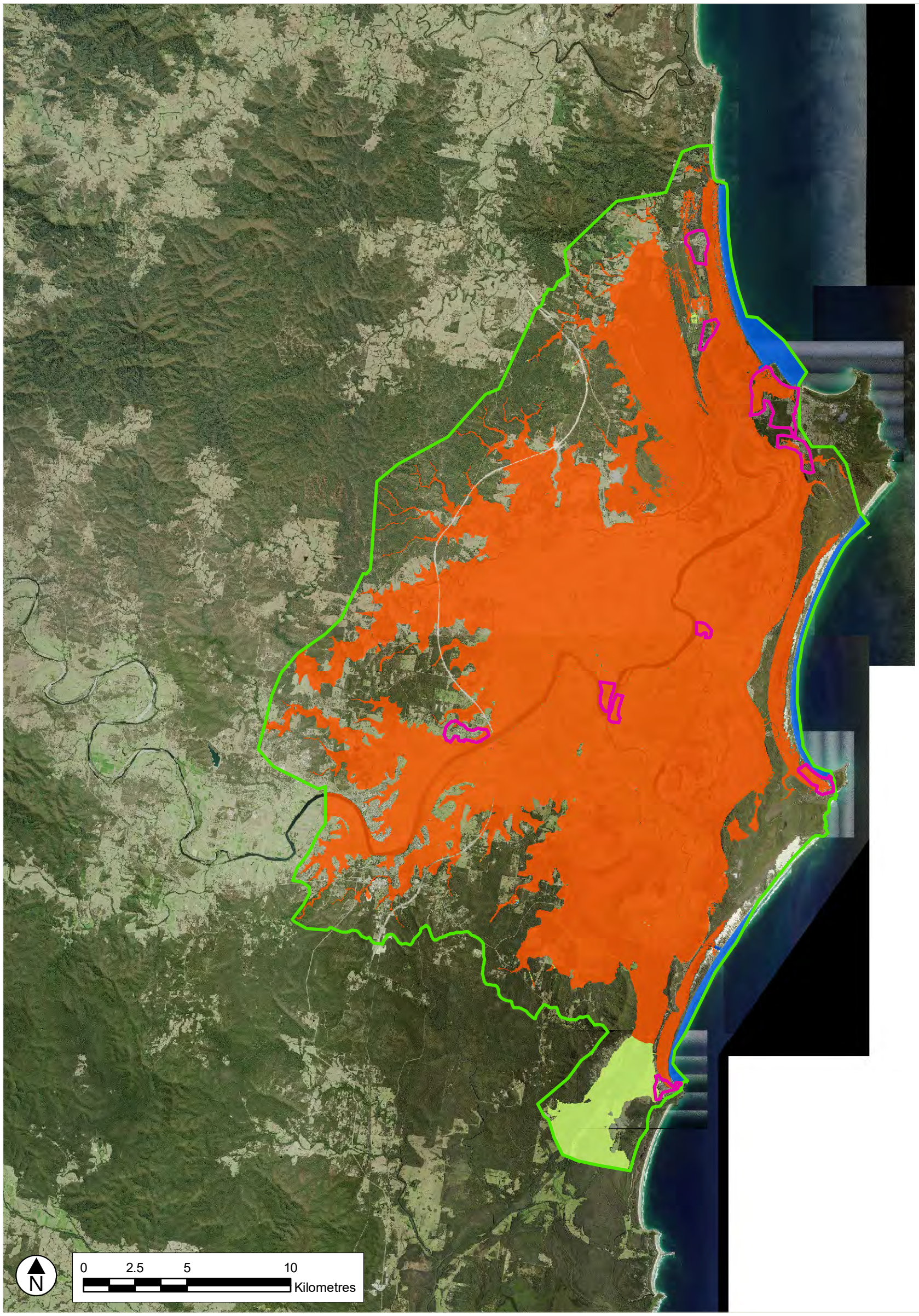


Figure F-31: Water Level Hydrographs - Crescent Head





Legend

Dominant Flood Mechanism

- Macleay Flood
- Maria Flood
- High Ocean Levels
- 5m Model Grid Boundary
- Limit of Mapping

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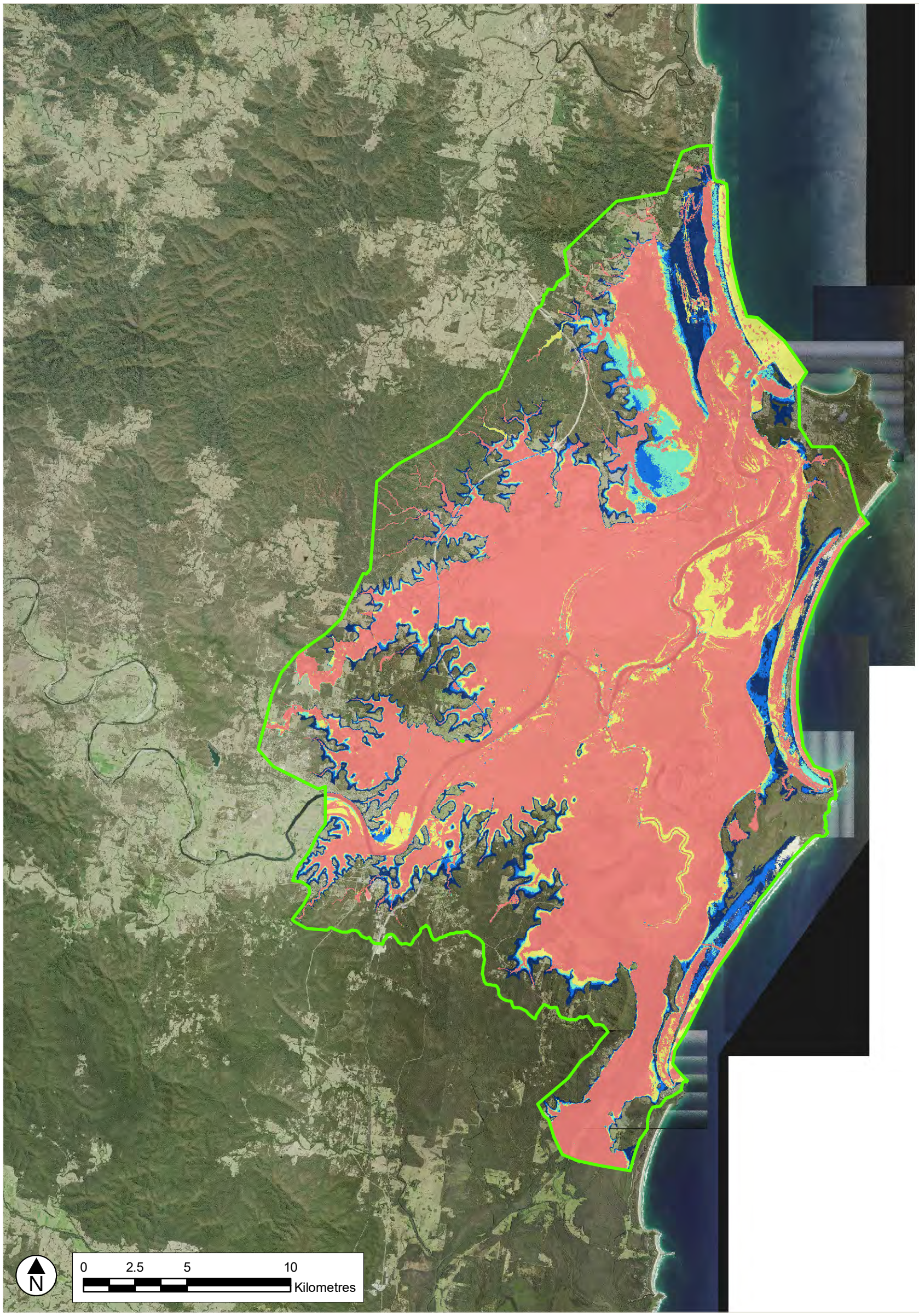
GDA 1994 MGA Zone 56

TITLE 1% AEP Event
Dominant Flooding Mechanism

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-32	1	1
CHECK	DATE			
AH	2/07/2019			

GIS MAP file : IA176800_R03_FigF-32_100y_DominantFlood_001



Legend

- 1 in 5 (0.2EY Event)
- 1 in 20 (5% AEP Event)
- 1 in 100 (1% AEP Event)
- 1 in 500 (0.2% AEP Event)
- 1 in 10,000 (PMF Event)
- Limit of Mapping

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GDA 1994 MGA Zone 56

TITLE Annualised Risk of Flooding

PROJECT Lower Macleay Flood Study

DRAWN	PROJECT #	MAP #	REV	VER
LC	IA176800	FIGURE F-33	1	1
CHECK	DATE			
AH	12/07/2019			

GIS MAP file : IA176800_R03_FigF-33_AnnualRisk_01