

# Appendix H-01

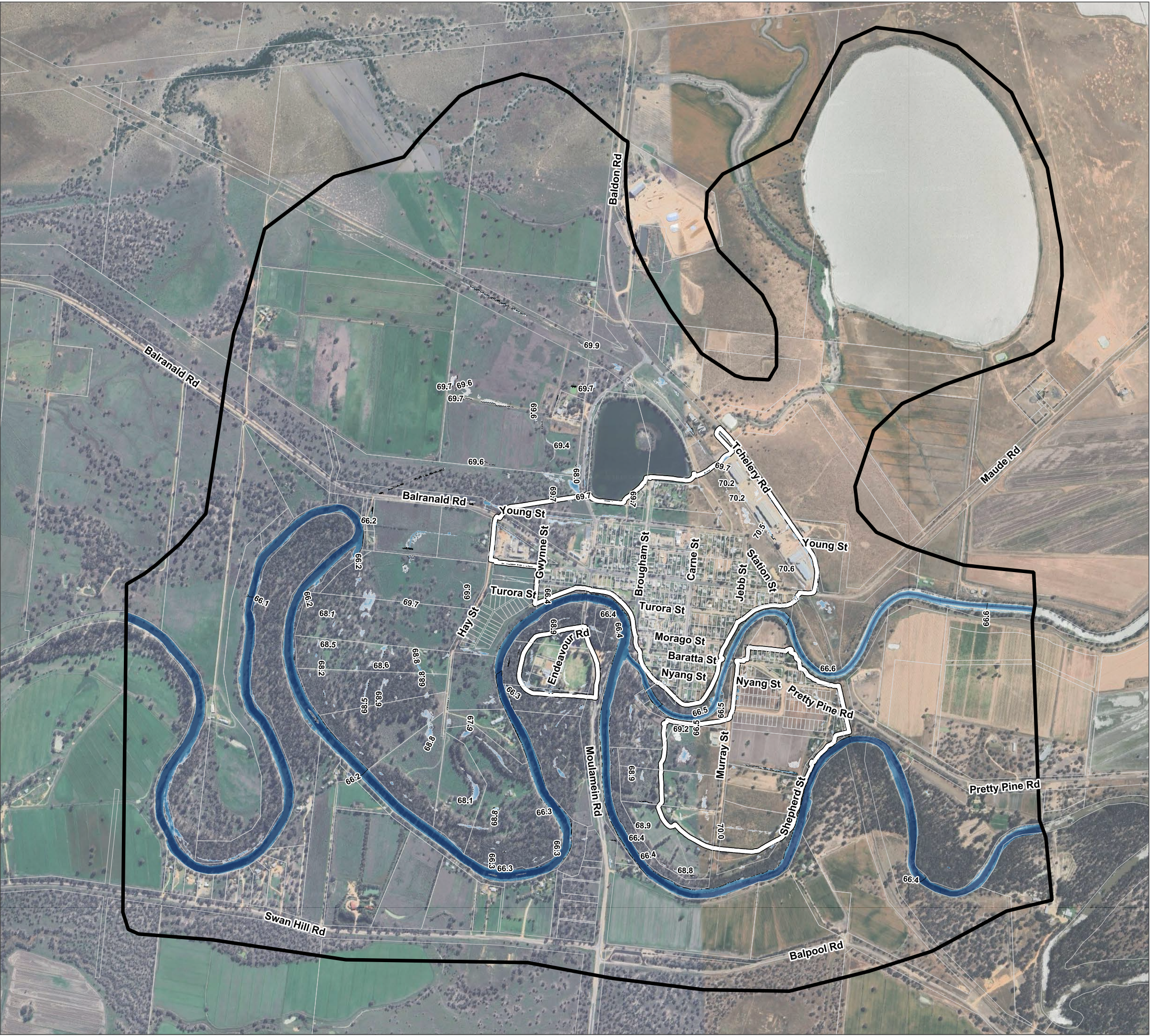
## Overland Flow Peak Depth & Flood Level Contours 20% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



Appendix H-02

Overland Flow  
Peak Depth & Flood Level Contours  
20% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-03

## Overland Flow Peak Depth & Flood Level Contours 10% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



Appendix H-04

Overland Flow  
Peak Depth & Flood Level Contours  
10% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



## Appendix H-05

### Overland Flow Peak Depth & Flood Level Contours 5% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

#### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-06

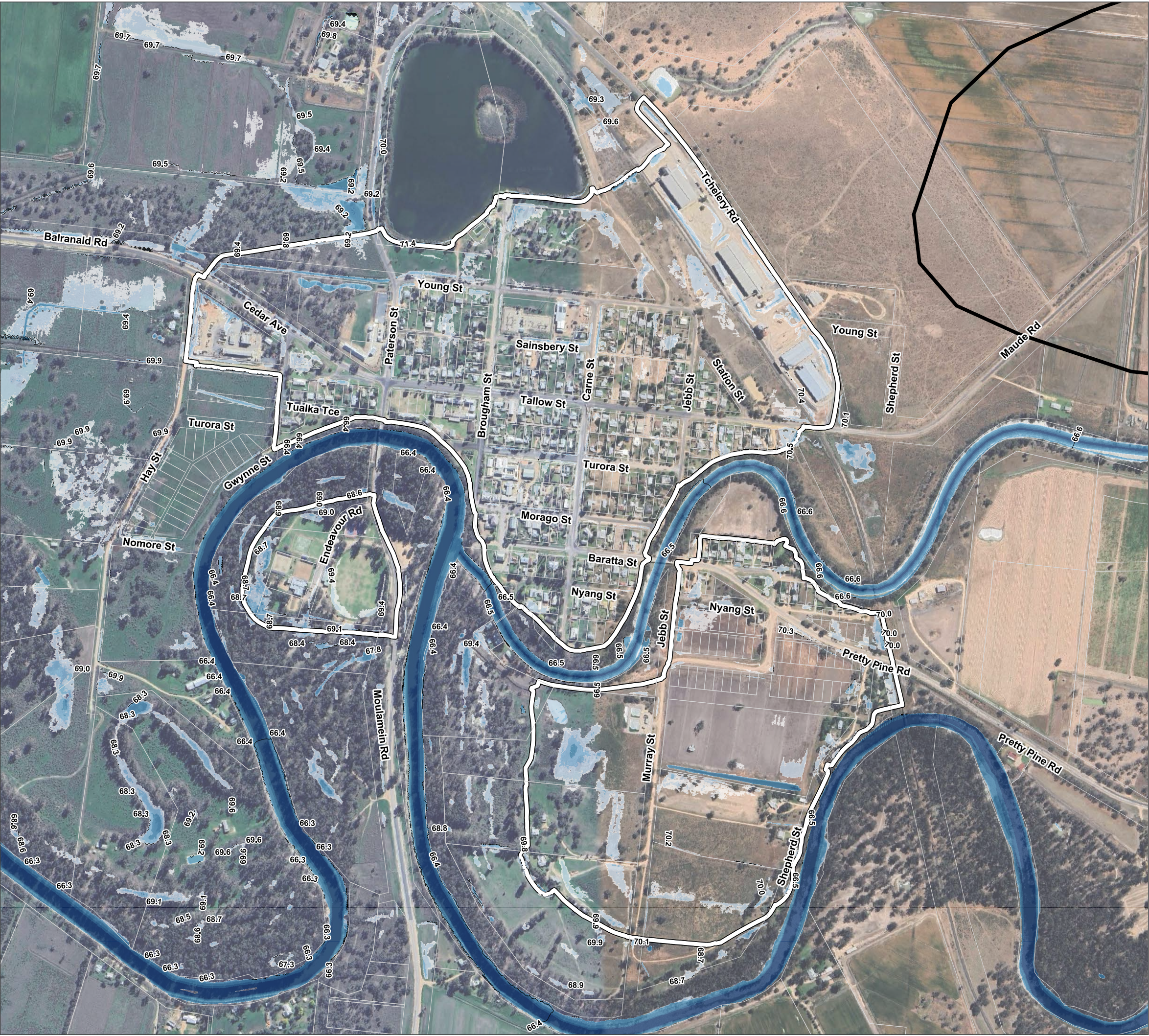
### Overland Flow Peak Depth & Flood Level Contours 5% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

#### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-07

## Overland Flow Peak Depth & Flood Level Contours 2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

### Peak Flood Depth (m)

- ≤ 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00





# Appendix H-08

## Overland Flow Peak Depth & Flood Level Contours 2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

### Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



Appendix H-09

Overland Flow  
Peak Depth & Flood Level Contours  
1% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



Appendix H-10

Overland Flow  
Peak Depth & Flood Level Contours  
1% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



## Appendix H-11

### Overland Flow Peak Depth & Flood Level Contours 0.5% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

#### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



Appendix H-12

Overland Flow  
Peak Depth & Flood Level Contours  
0.5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



## Appendix H-13

### Overland Flow Peak Depth & Flood Level Contours 0.2% AEP Design Event

#### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

#### Peak Flood Depth (m)

- ≤ 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-14

### Overland Flow Peak Depth & Flood Level Contours 0.2% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre
-  Peak Flood Level Contours (mAHD) - 0.1 m Intervals

#### Peak Flood Depth (m)

-  ≤ 0.15
-  0.15 - 0.30
-  0.30 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m





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## Appendix H-15

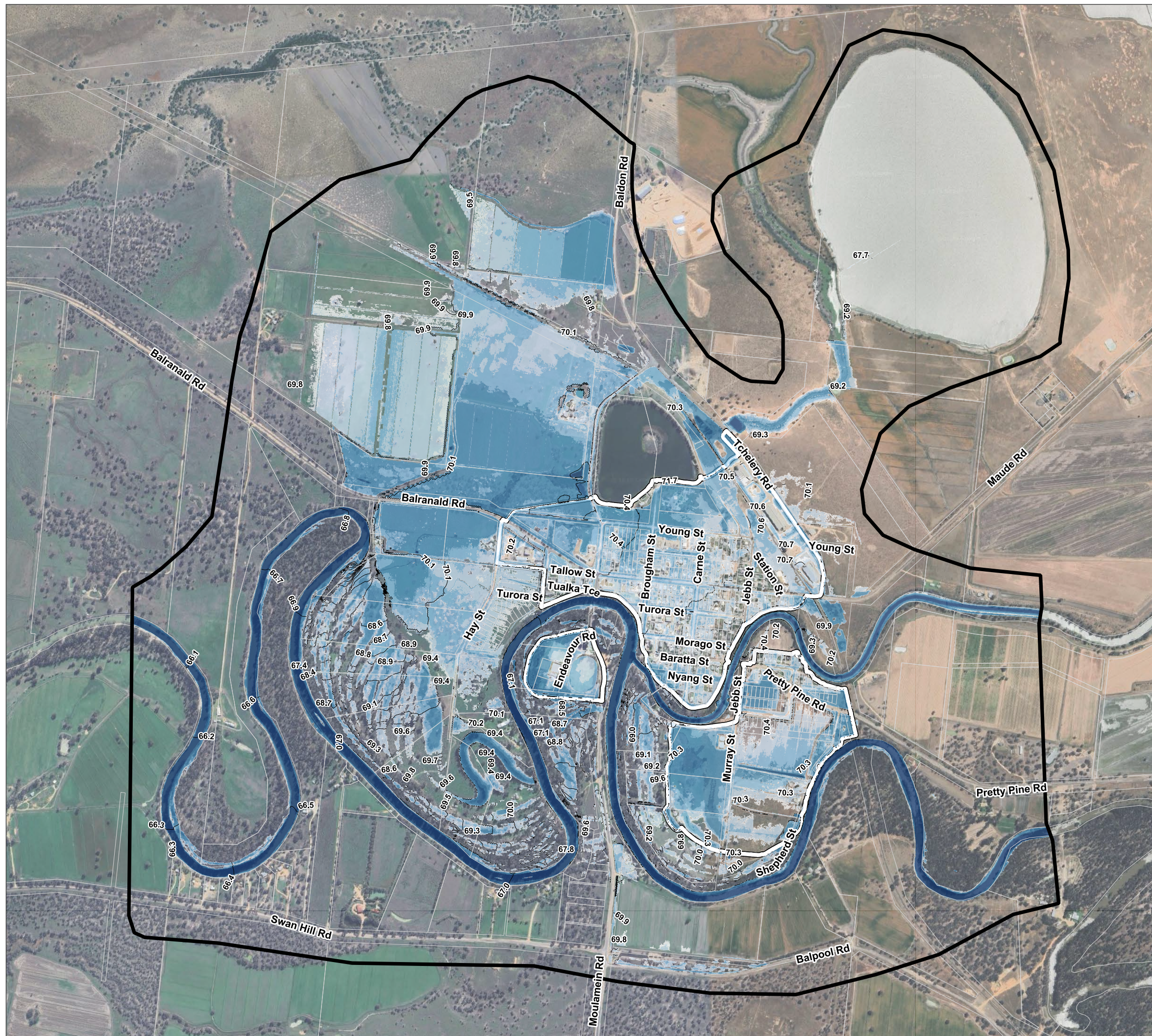
## Overland Flow Peak Depth & Flood Level Contours PMF

## LEGEND

-  Moulamein Town Levees  
 Overland Model Extent  
 Cadastre  
 Peak Flood Level Contours (mAHD) - 0.1 m Intervals

## Peak Flood Depth (m)

- |                                                                                     |             |
|-------------------------------------------------------------------------------------|-------------|
|  | <= 0.15     |
|  | 0.15 - 0.30 |
|  | 0.30 - 0.50 |
|  | 0.50 - 1.00 |
|  | 1.00 - 1.50 |
|  | 1.50 - 2.00 |
|  | > 2.00      |



## Moulamein Flood Study Review

**Murray River Council**

A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025







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# Appendix H-16

## Overland Flow Peak Depth & Flood Level Contours PMF

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Level Contours (mAHD) - 0.1 m Intervals

### Peak Flood Depth (m)

- <= 0.15
- 0.15 - 0.30
- 0.30 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00

## Moulamein Flood Study Review

### Murray River Council

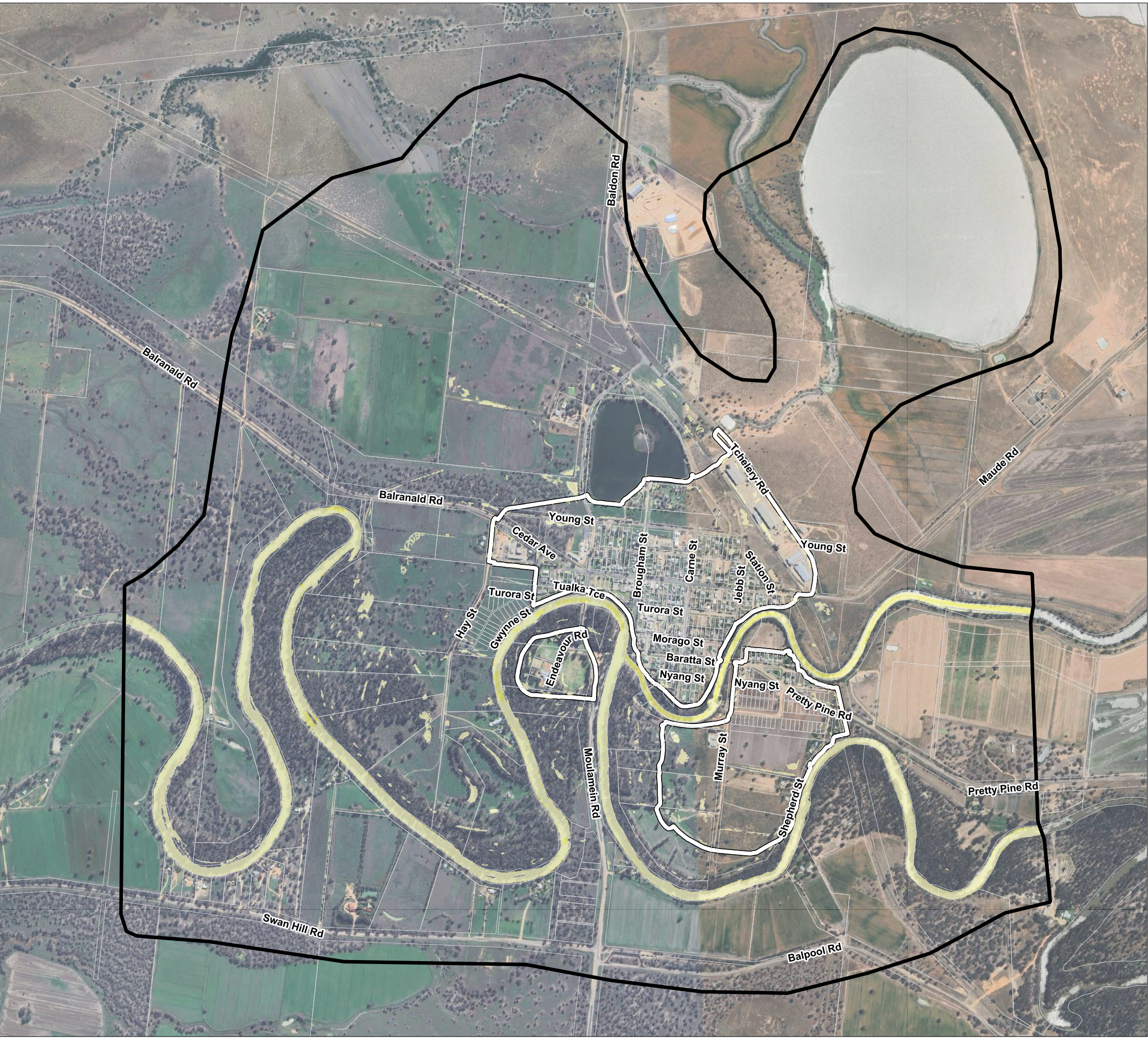


# Appendix H-17

## Overland Flow Peak Velocity 20% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-   $\leq 0.25$
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-18

## Overland Flow Peak Velocity 20% AEP Design Event

### LEGEND

 Moulamein Town Levees

 Overland Model Extent

 Cadastre

Peak Flood Velocity (m/s)

  $\leq 0.25$

 0.25 - 0.50

 0.50 - 1.00

 1.00 - 1.50

 1.50 - 2.00

  $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-19

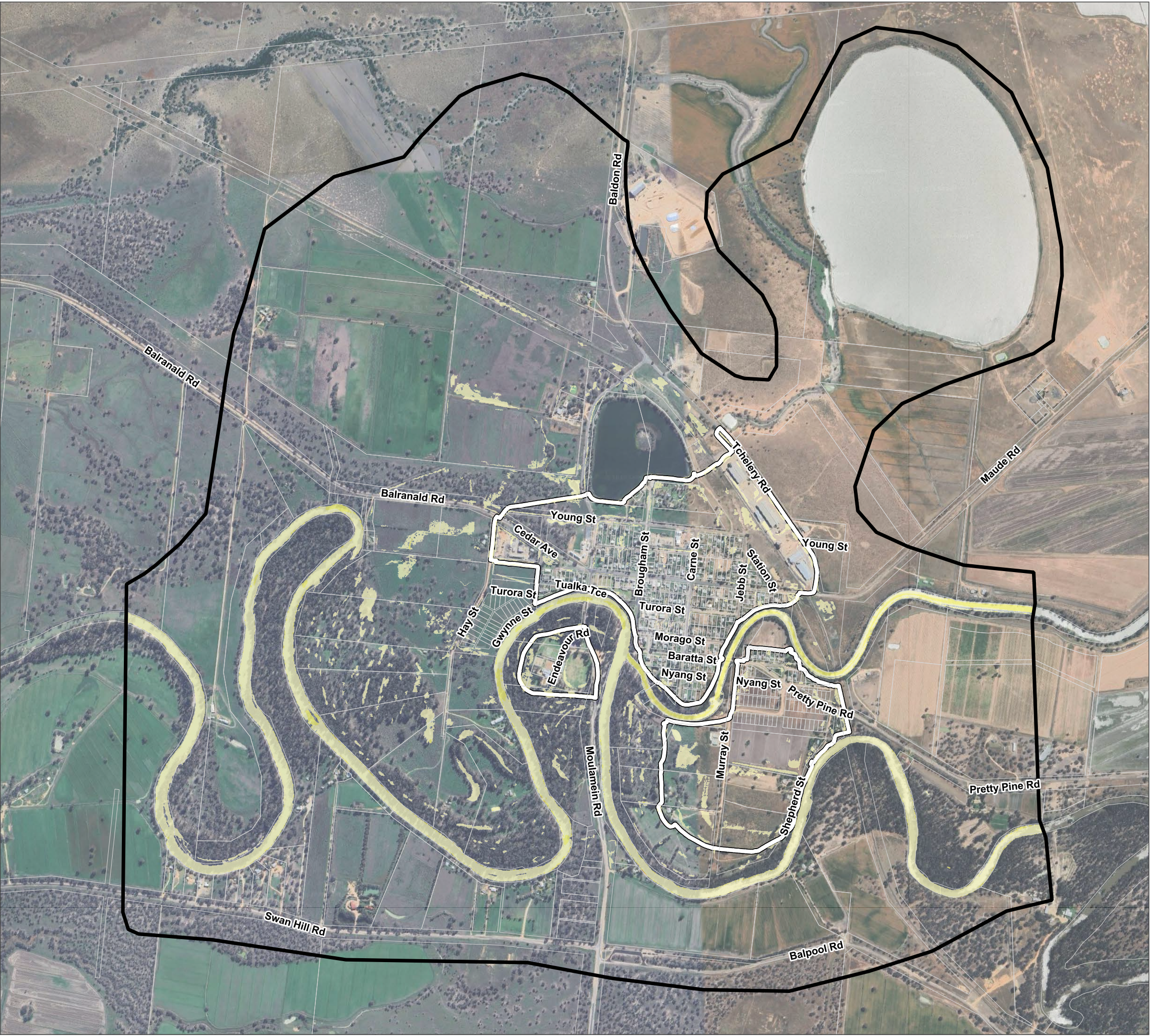
## Overland Flow Peak Velocity 10% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Peak Flood Velocity (m/s)

-   $\leq 0.25$
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-20

Overland Flow  
Peak Velocity  
10% AEP Design Event

## LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Flood Velocity (m/s)

- <= 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- > 2.00



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

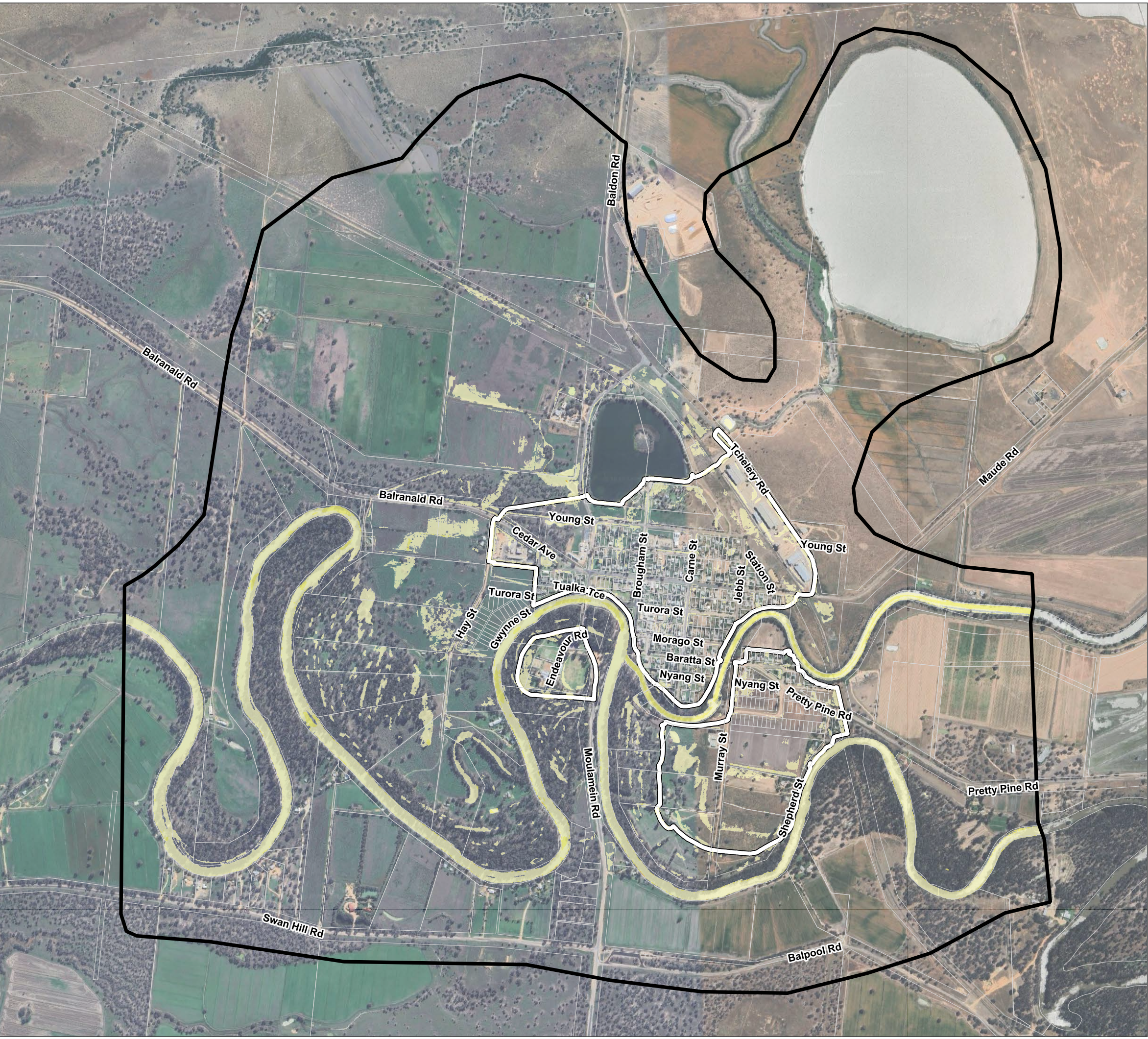


# Appendix H-21

## Overland Flow Peak Velocity 5% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-  ≤ 0.25
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-22

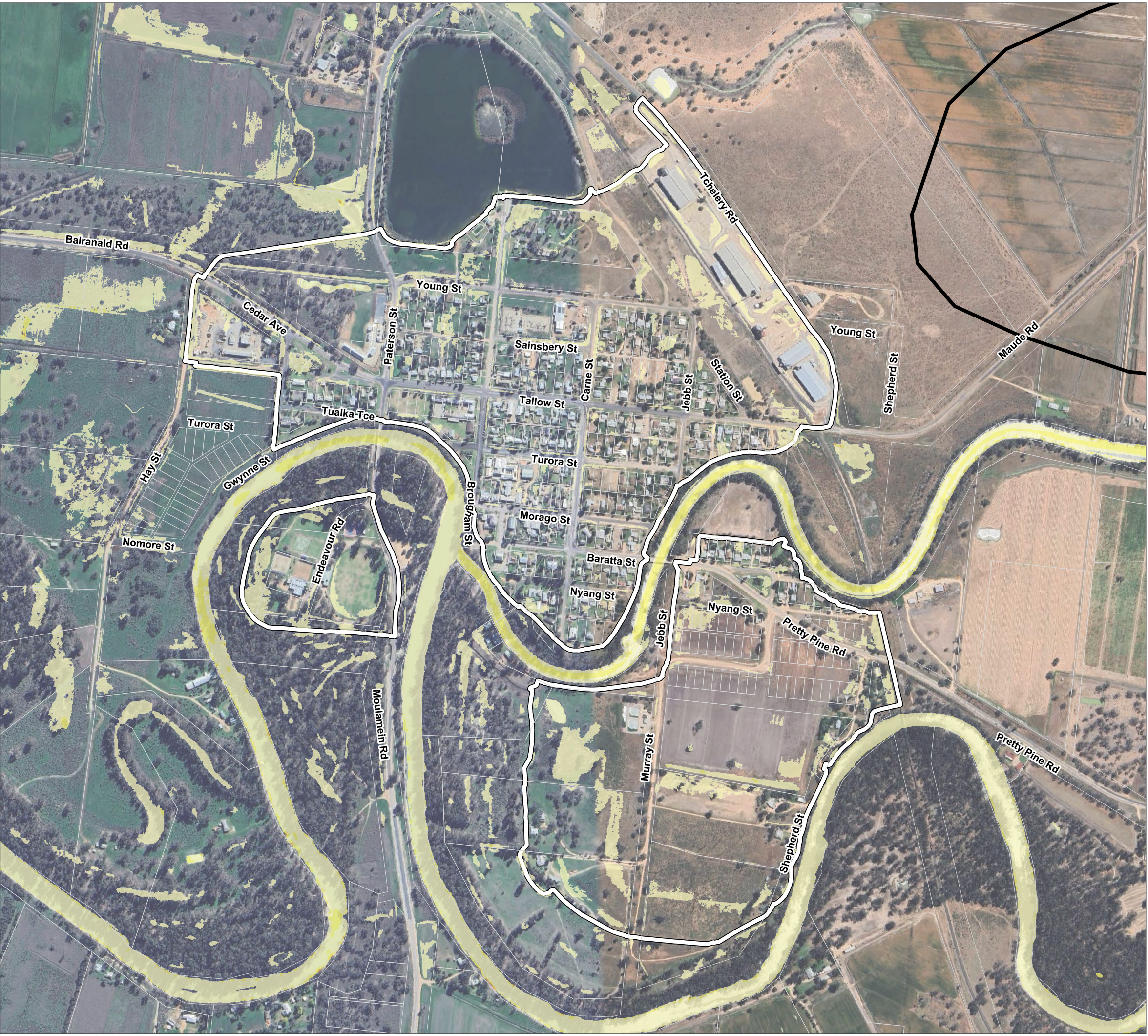
Overland Flow  
Peak Velocity  
5% AEP Design Event

## LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

Peak Flood Velocity (m/s)

-   $\leq 0.25$
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-   $> 2.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

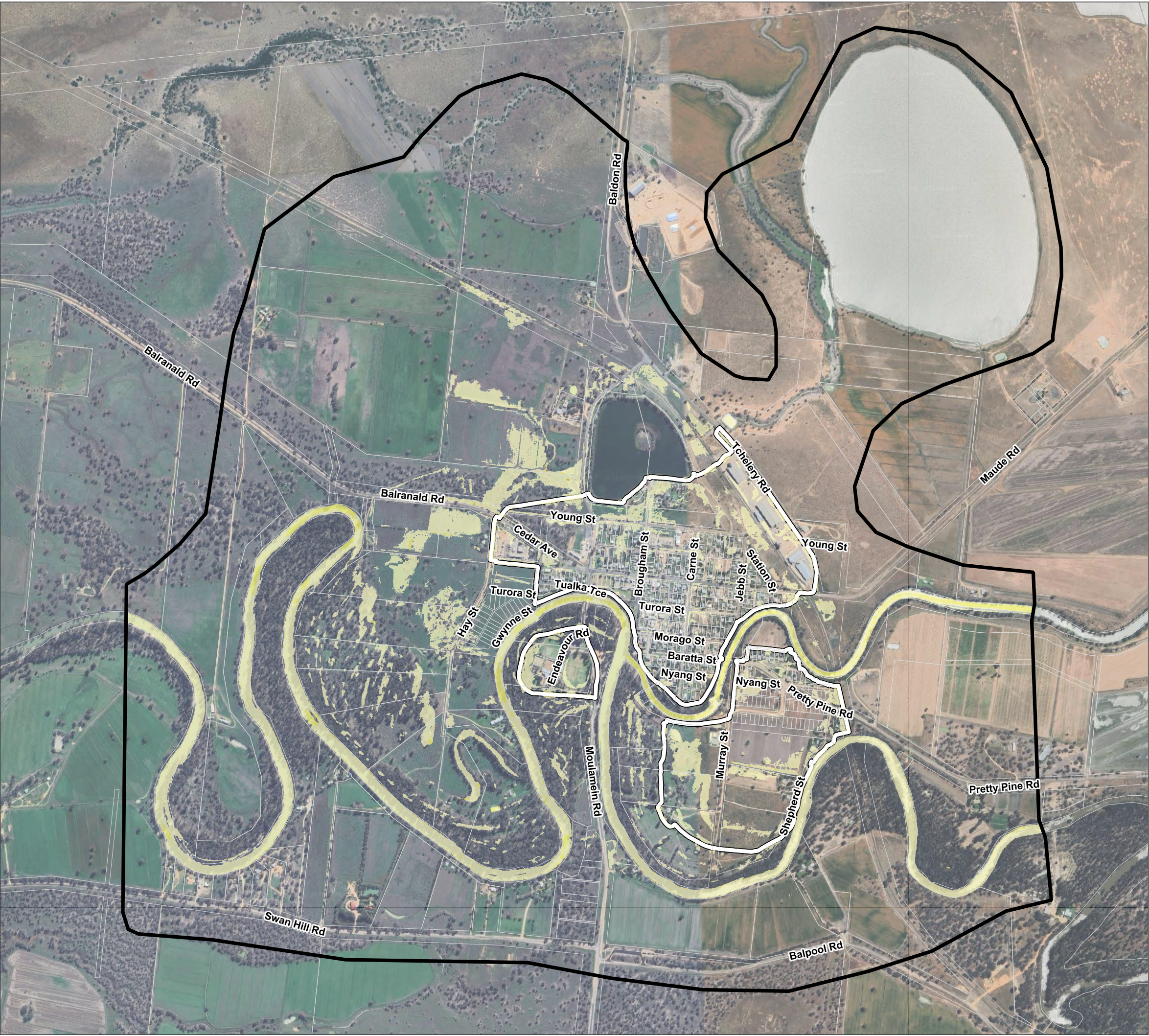


# Appendix H-23

## Overland Flow Peak Velocity 2% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-   $\leq 0.25$
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-24

### Overland Flow Peak Velocity 2% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

#### Peak Flood Velocity (m/s)

-   $\leq 0.25$
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

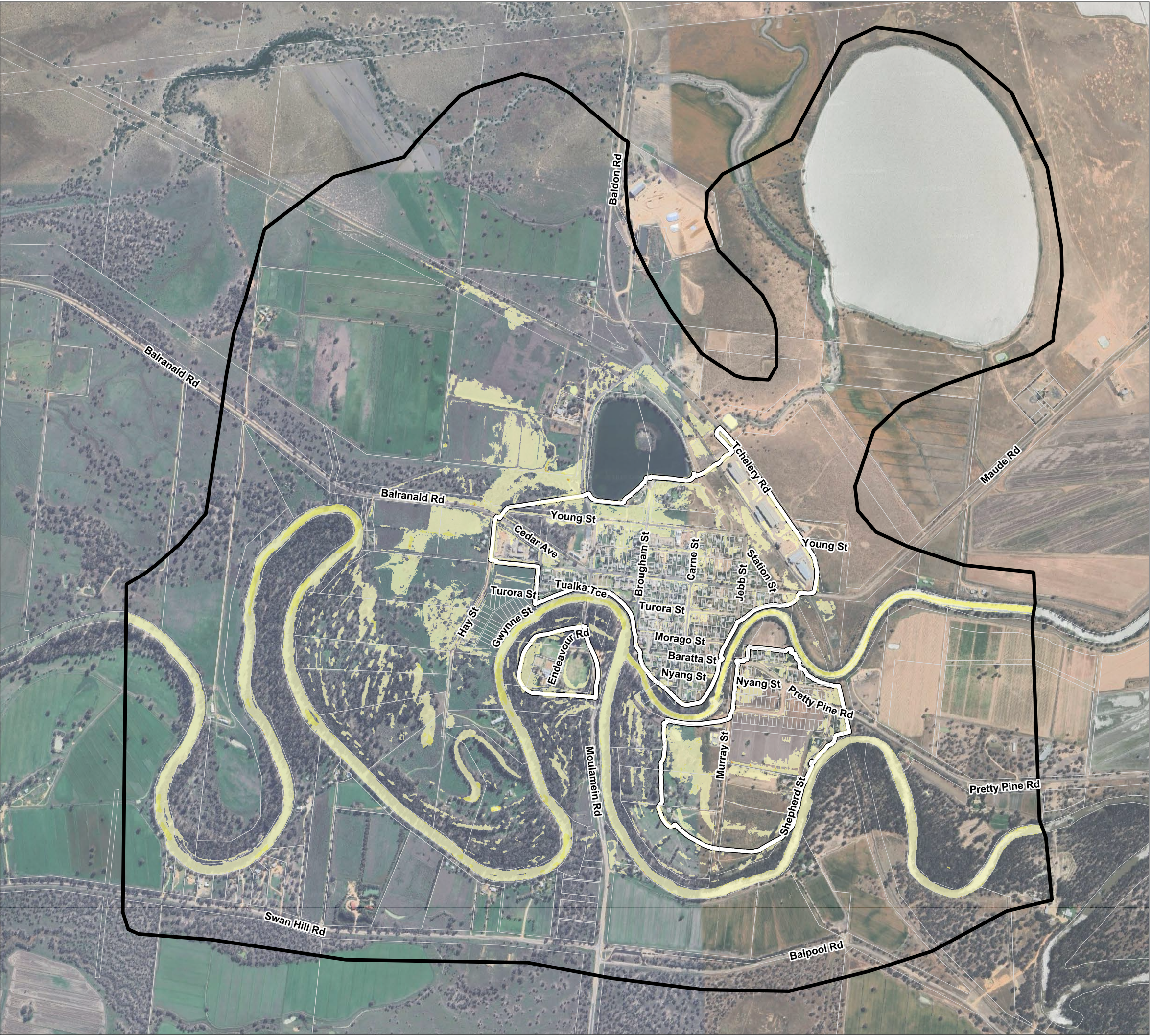


# Appendix H-25

## Overland Flow Peak Velocity 1% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-  ≤ 0.25
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-26

### Overland Flow Peak Velocity 1% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

#### Peak Flood Velocity (m/s)

-   $\leq 0.25$
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-   $> 2.00$



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

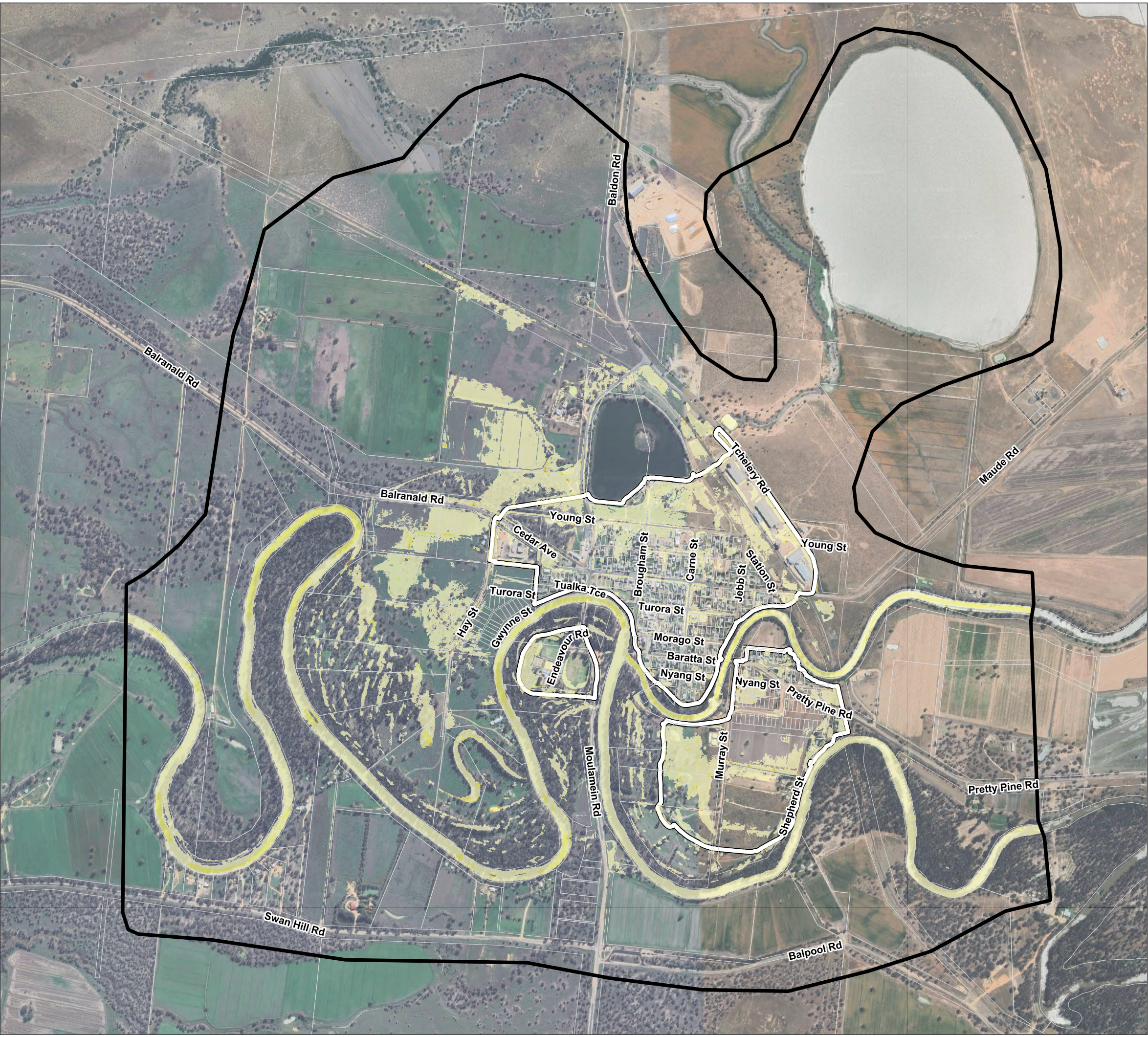


# Appendix H-27

## Overland Flow Peak Velocity 0.5% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-   $\leq 0.25$
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-28

## Overland Flow Peak Velocity 0.5% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Peak Flood Velocity (m/s)

-  ≤ 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

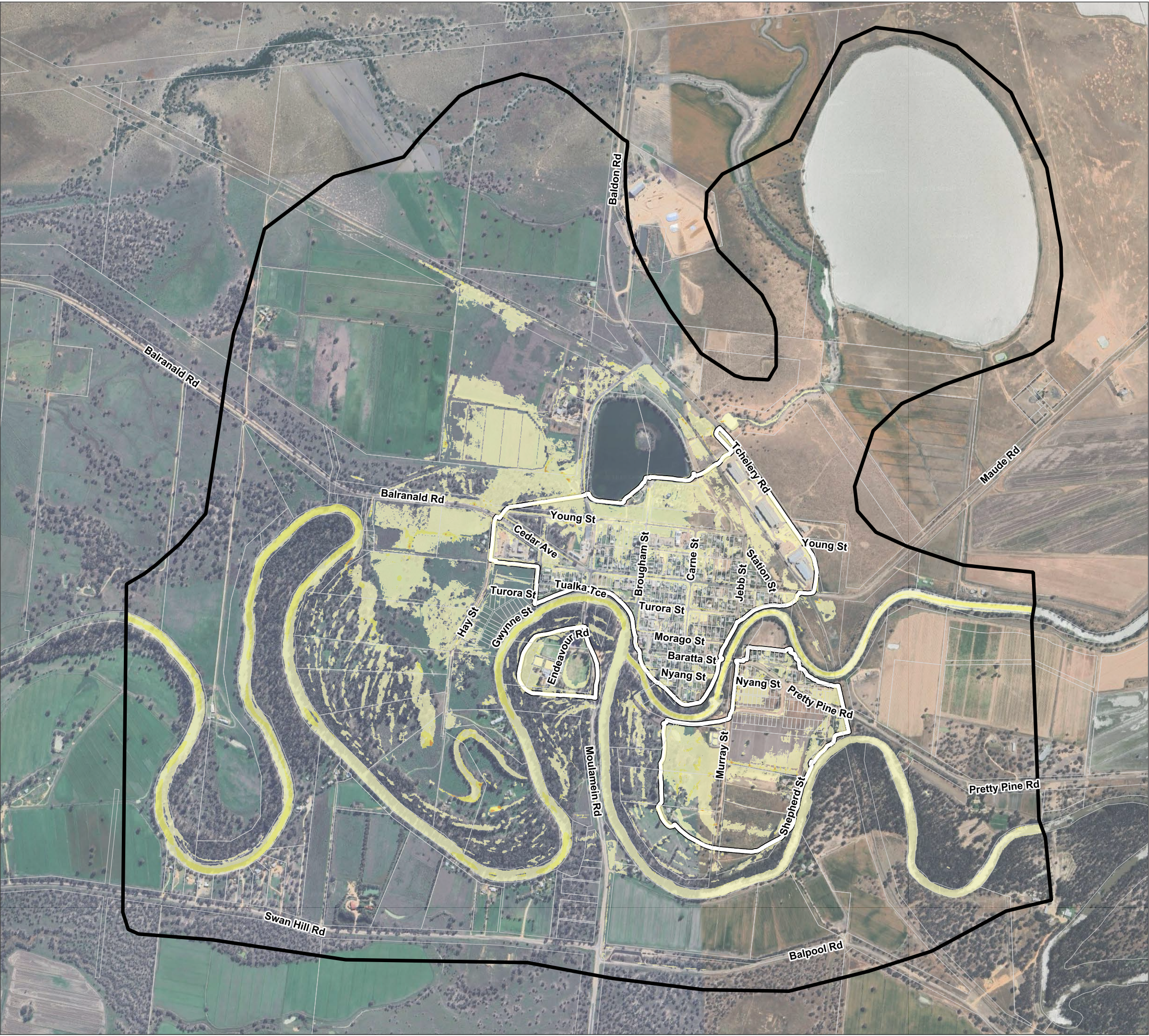


# Appendix H-29

## Overland Flow Peak Velocity 0.2% AEP Design Event

### LEGEND

-  Moulamein Town Levees
  -  Overland Model Extent
  -  Cadastre
- Peak Flood Velocity (m/s)
-  ≤ 0.25
  -  0.25 - 0.50
  -  0.50 - 1.00
  -  1.00 - 1.50
  -  1.50 - 2.00
  -  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-30

## Overland Flow Peak Velocity 0.2% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Peak Flood Velocity (m/s)

-  ≤ 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-31

## Overland Flow Peak Velocity PMF

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Peak Flood Velocity (m/s)

-   $\leq 0.25$
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-   $> 2.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-32

## Overland Flow Peak Velocity PMF

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Peak Flood Velocity (m/s)

-  ≤ 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 1.50
-  1.50 - 2.00
-  > 2.00



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-33

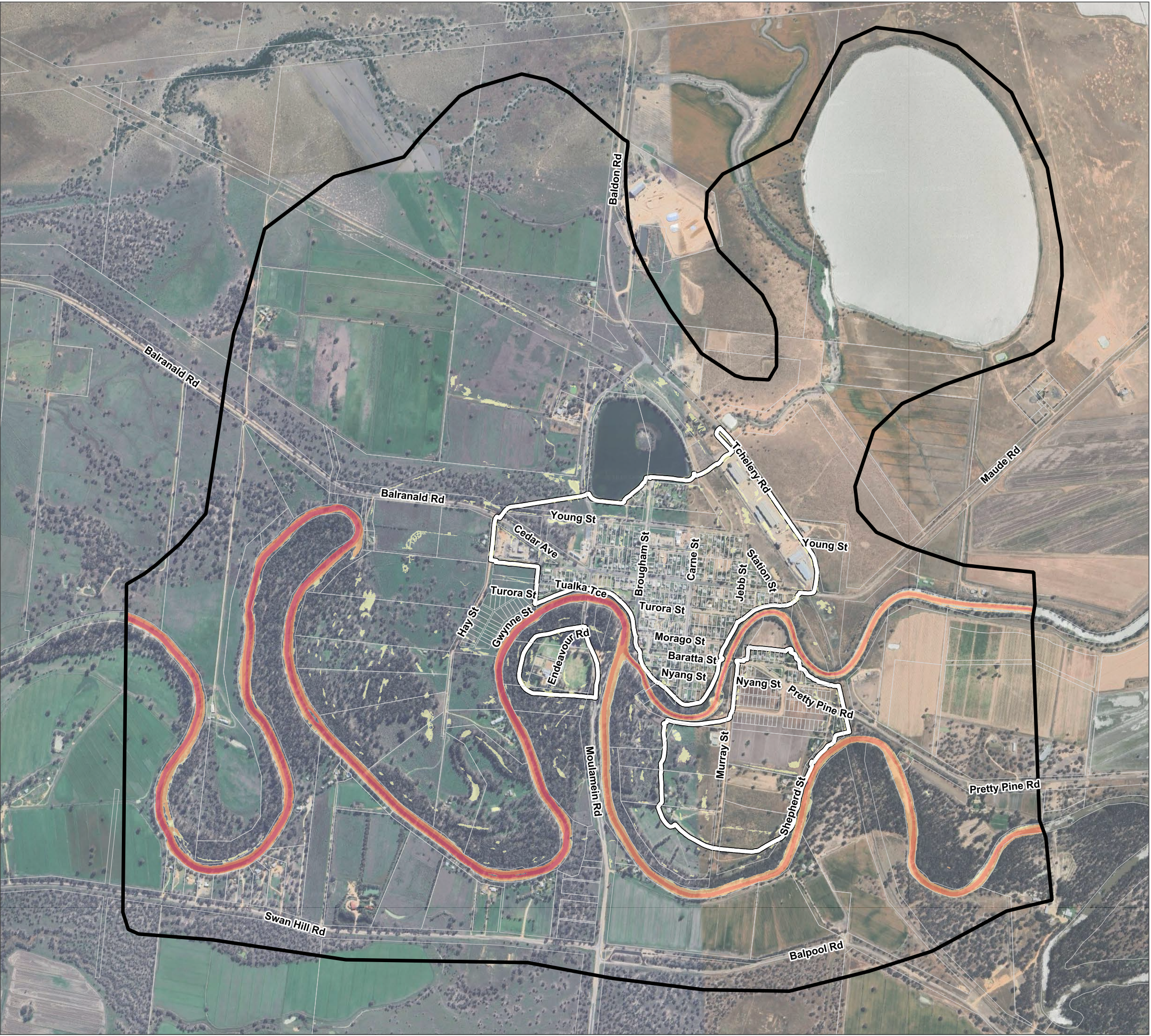
## Overland Flow Peak Depth-Velocity Product 20% AEP Design Event

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

-   $\leq 0.05$
-  0.05 - 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 2.00
-  2.00 - 3.00
-  3.00 - 4.00
-  4.00 - 5.00
-  5.00 - 6.00
-   $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-34

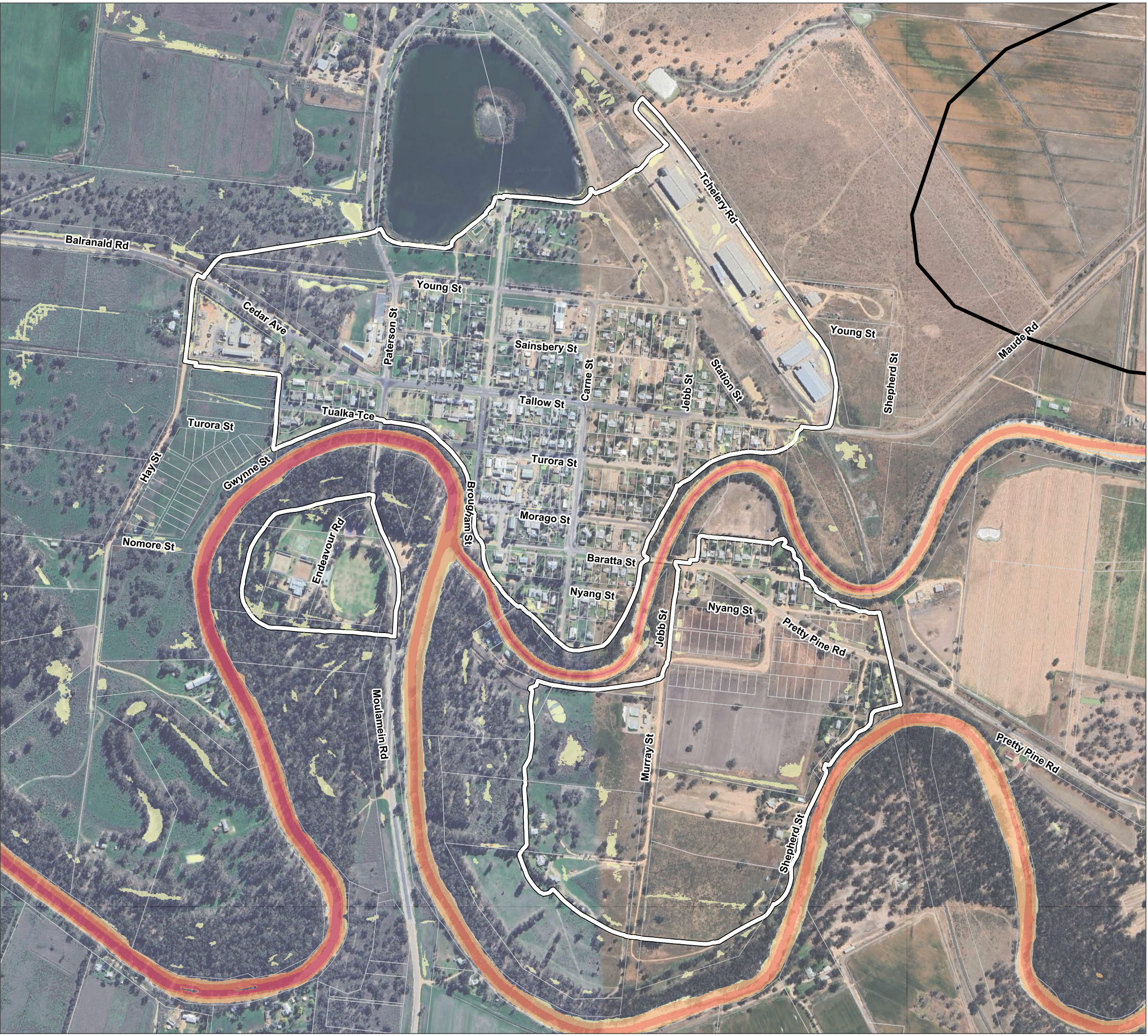
### Overland Flow Peak Depth-Velocity Product 20% AEP Design Event

#### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $\text{m}^2/\text{s}$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-35

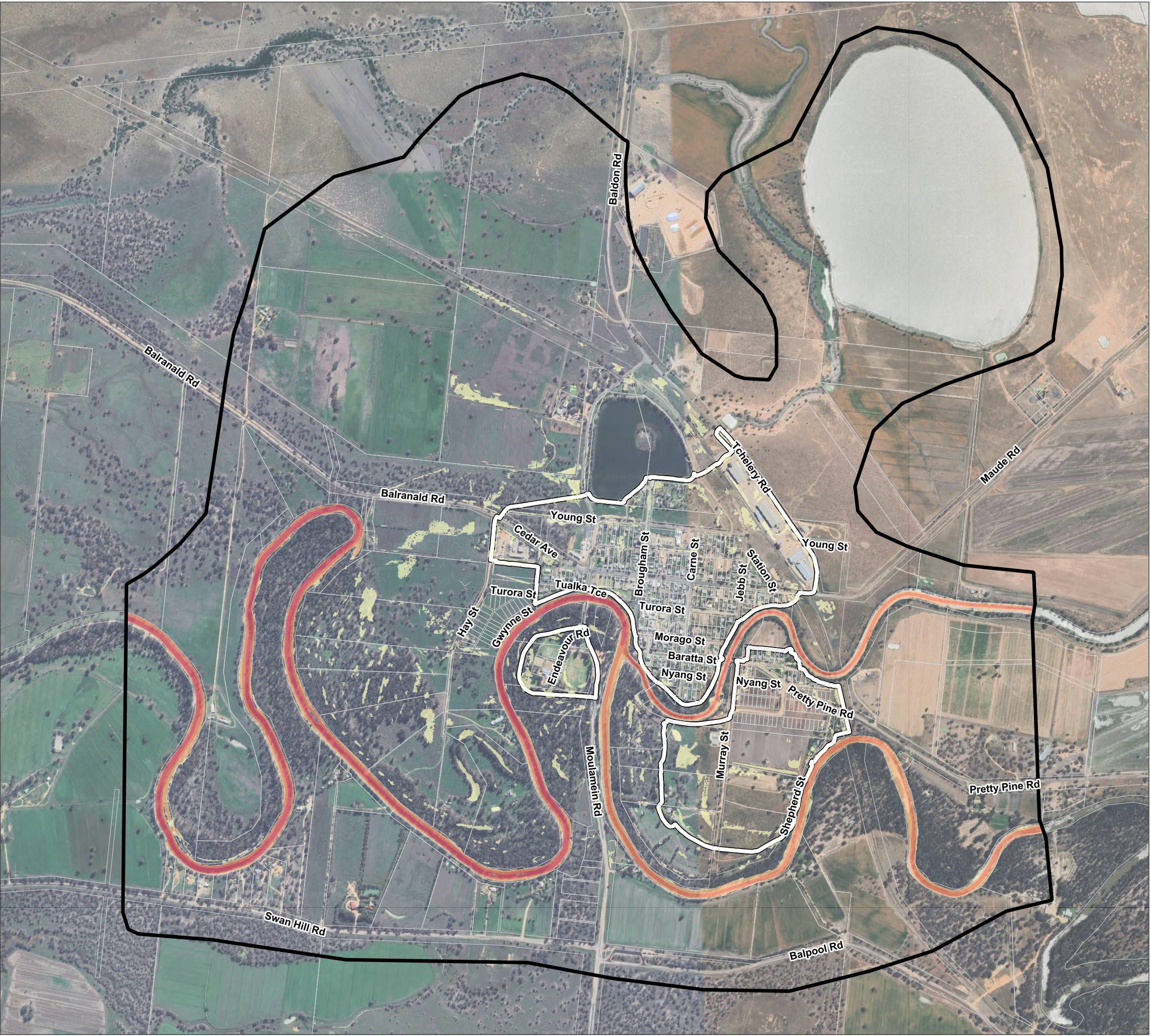
## Overland Flow Peak Depth-Velocity Product 10% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-36

### Overland Flow Peak Depth-Velocity Product 10% AEP Design Event

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

Peak Depth-Velocity Product ( $\text{m}^2/\text{s}$ )

-   $\leq 0.05$
-  0.05 - 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 2.00
-  2.00 - 3.00
-  3.00 - 4.00
-  4.00 - 5.00
-  5.00 - 6.00
-   $> 6.00$



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-37

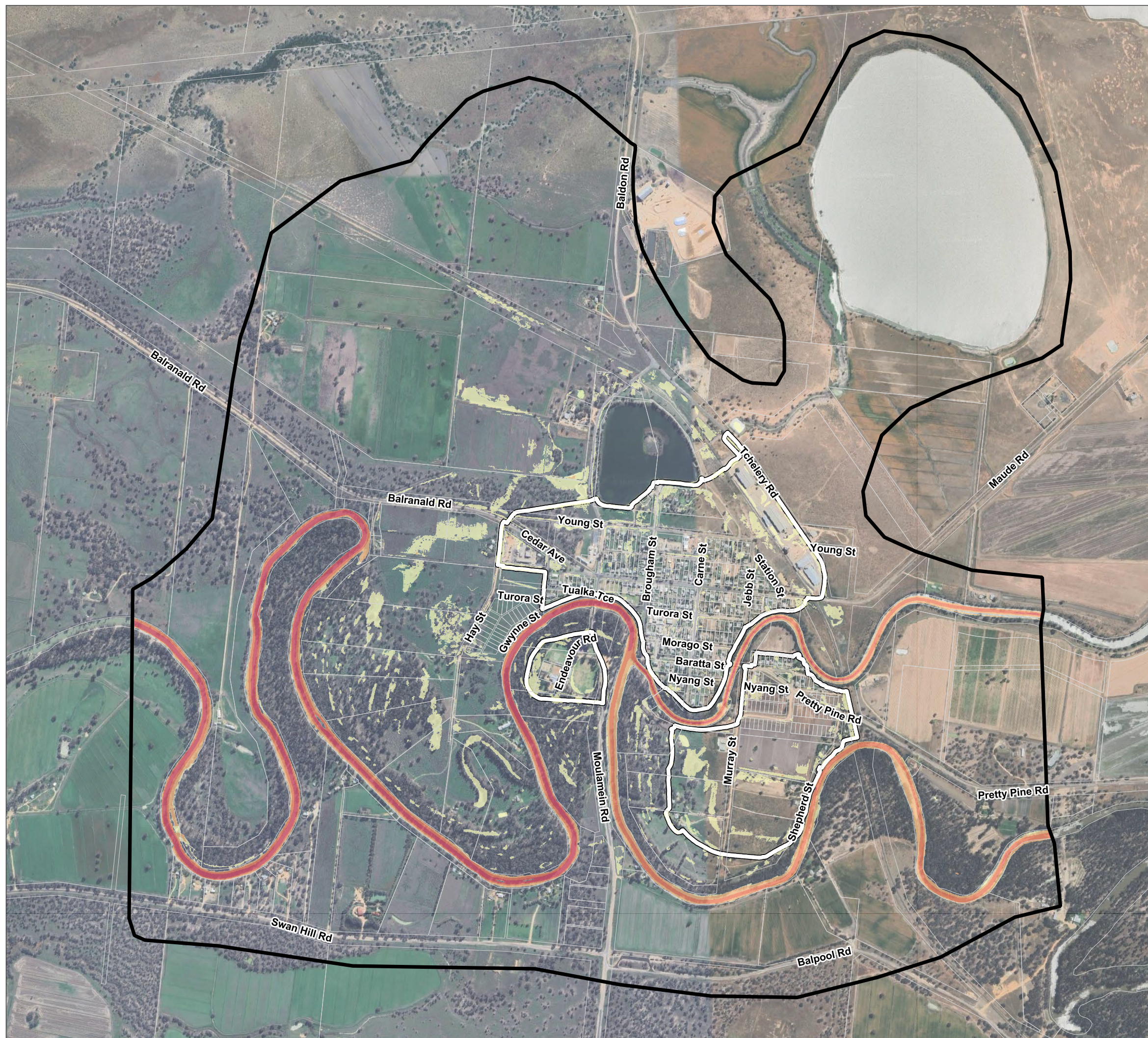
## Overland Flow Peak Depth-Velocity Product 5% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-38

## Overland Flow Peak Depth-Velocity Product 5% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-39

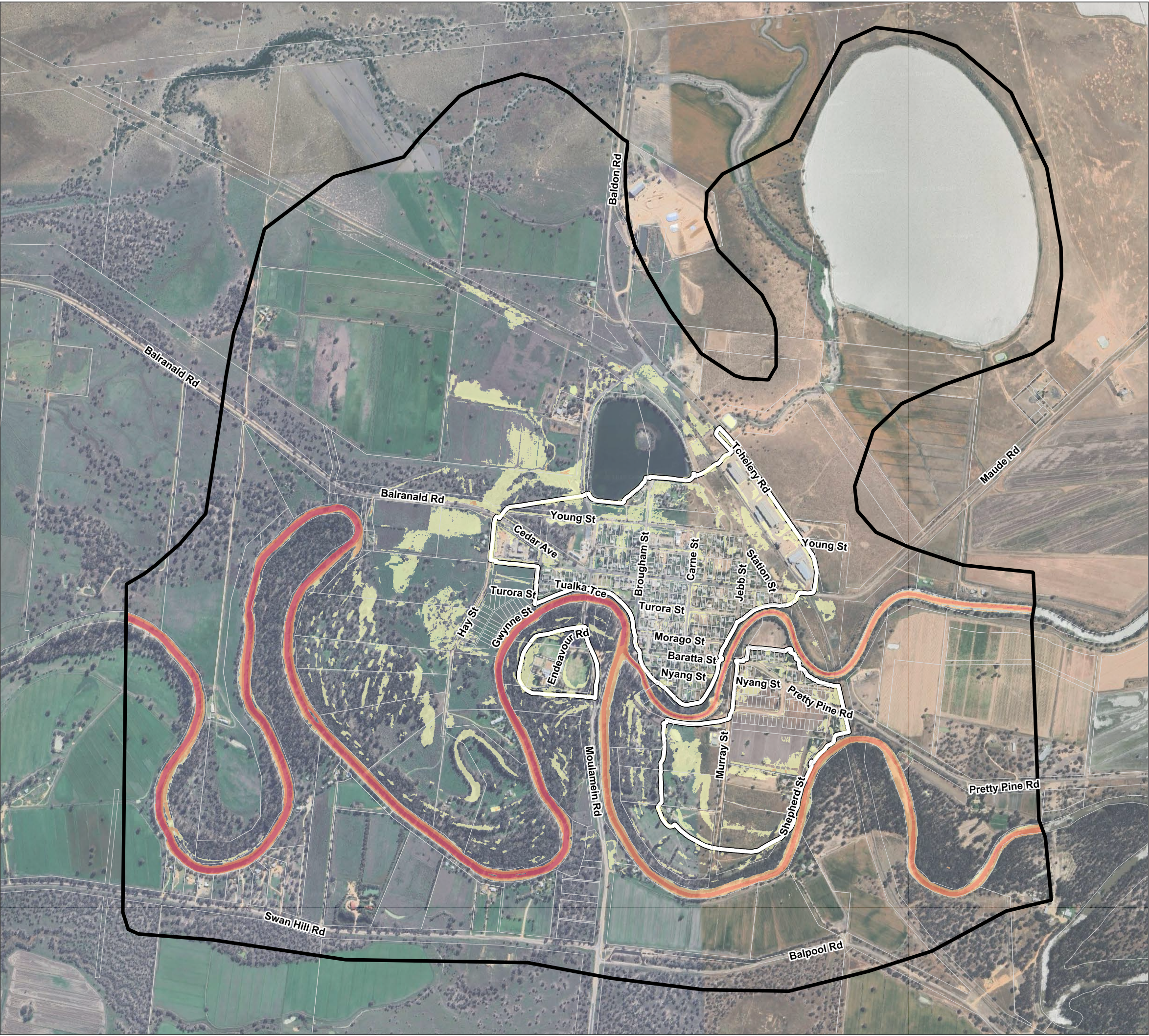
## Overland Flow Peak Depth-Velocity Product 2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-40

## Overland Flow Peak Depth-Velocity Product 2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-41

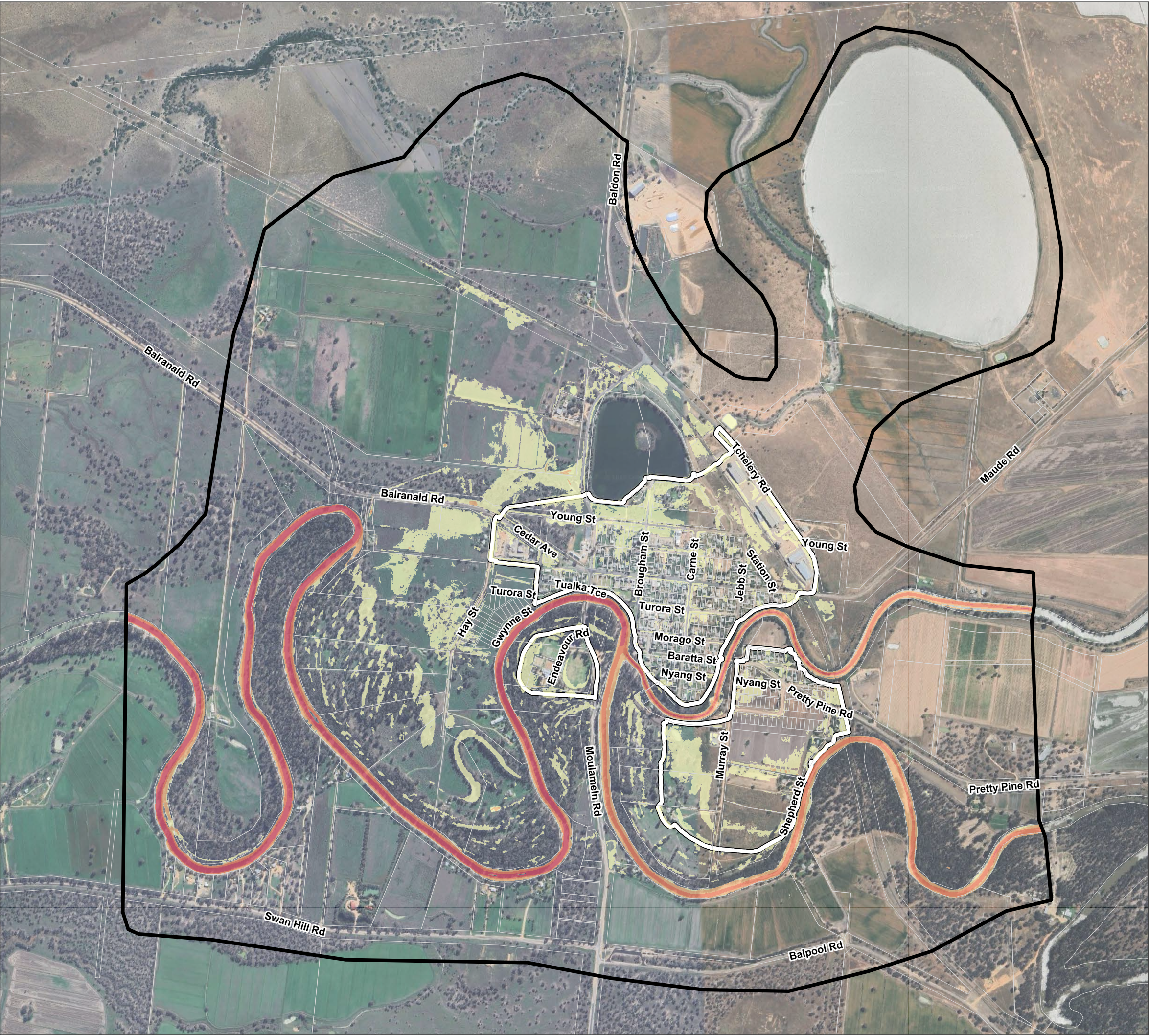
## Overland Flow Peak Depth-Velocity Product 1% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-42

### Overland Flow Peak Depth-Velocity Product 1% AEP Design Event

#### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $\text{m}^2/\text{s}$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-43

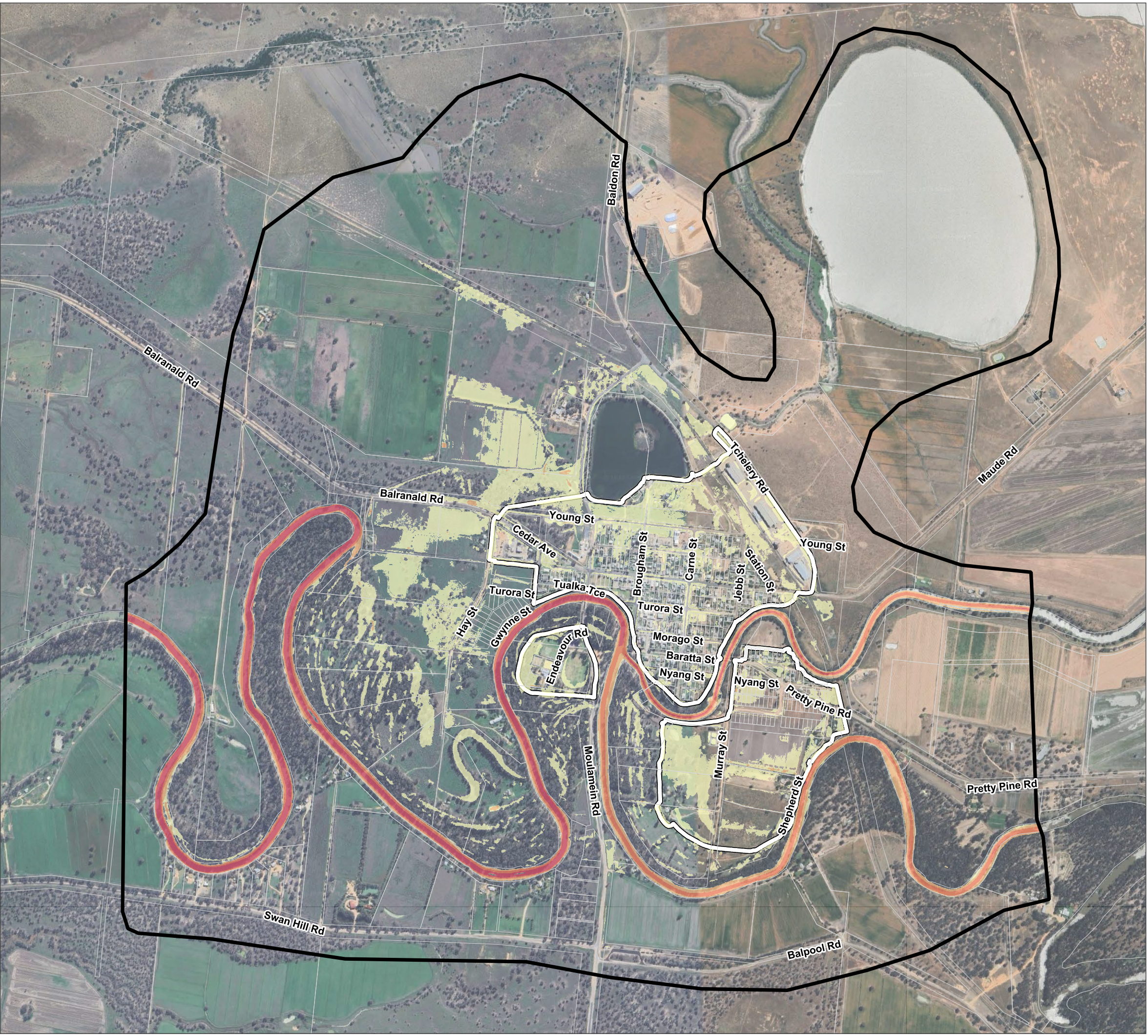
## Overland Flow Peak Depth-Velocity Product 0.5% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-44

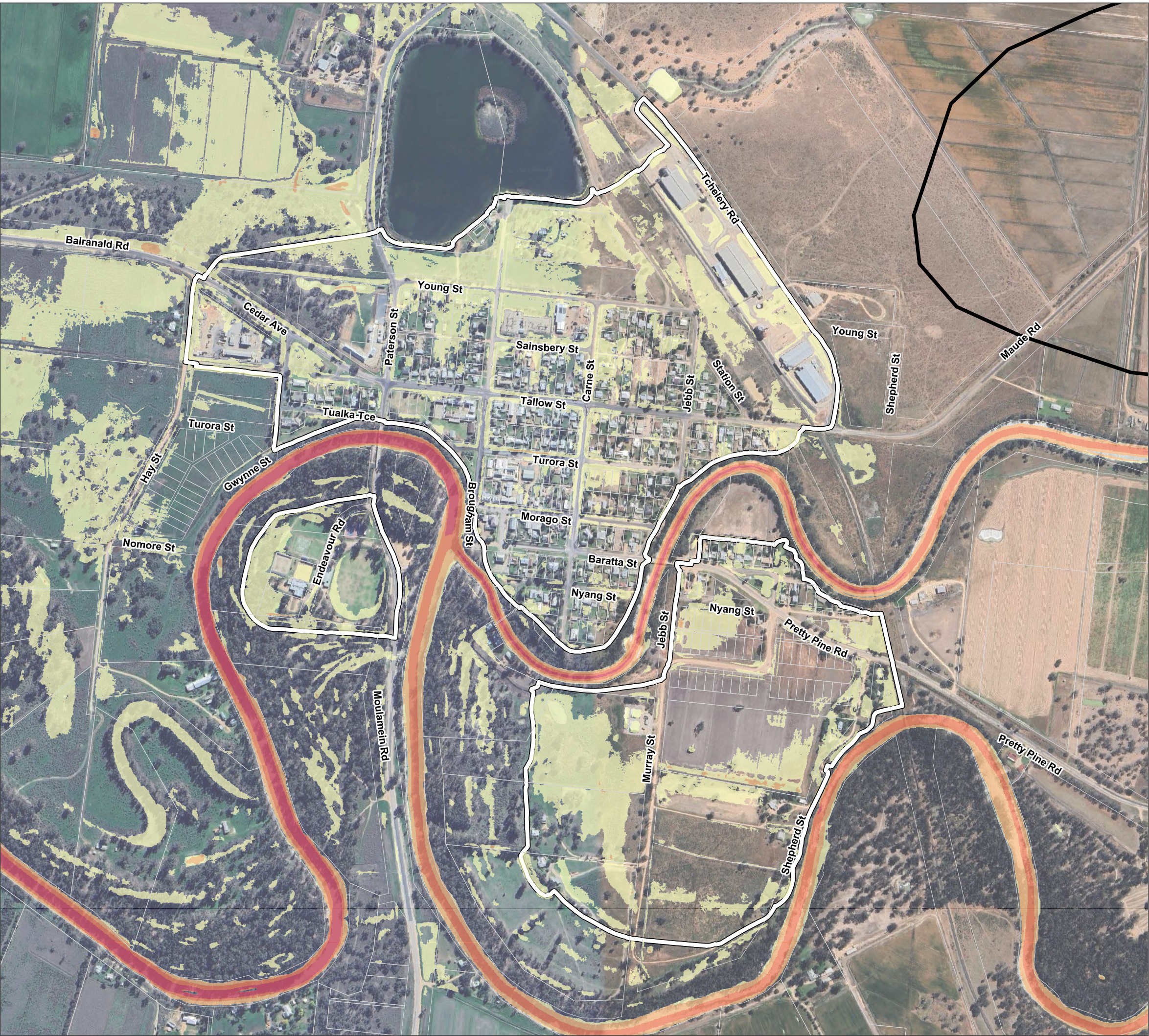
### Overland Flow Peak Depth-Velocity Product 0.5% AEP Design Event

#### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $\text{m}^2/\text{s}$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-45

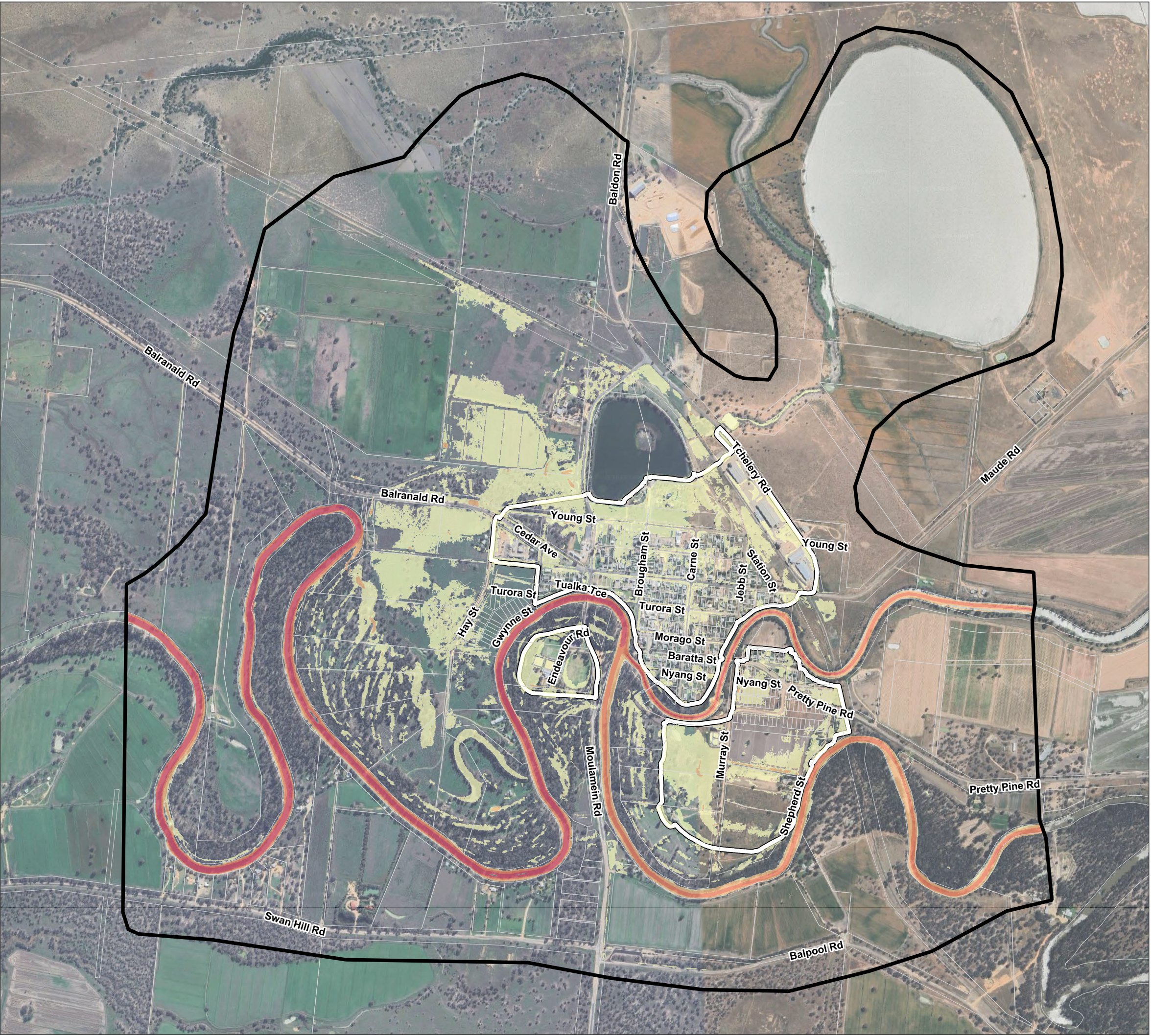
## Overland Flow Peak Depth-Velocity Product 0.2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-46

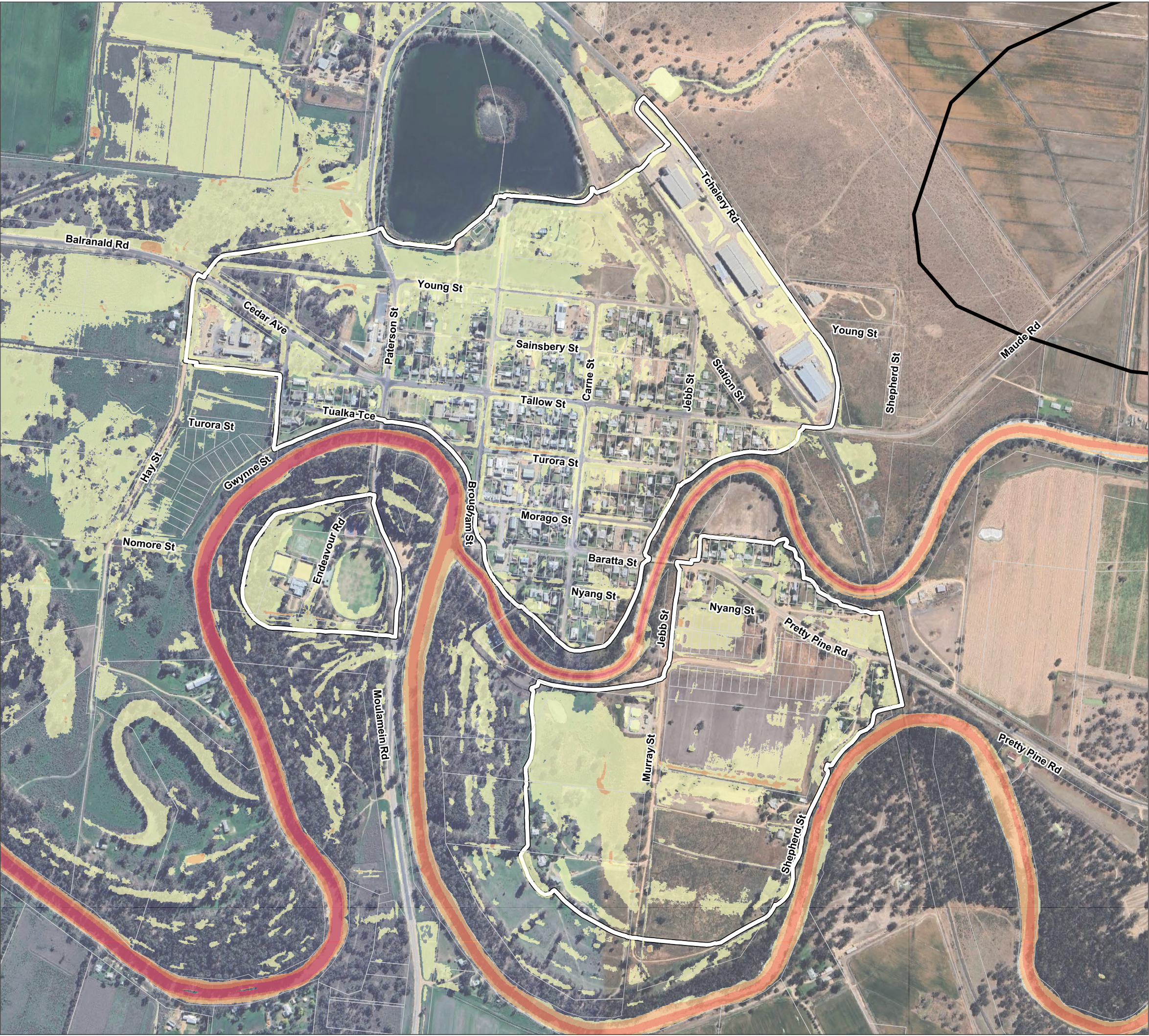
### Overland Flow Peak Depth-Velocity Product 0.2% AEP Design Event

#### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

#### Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-47

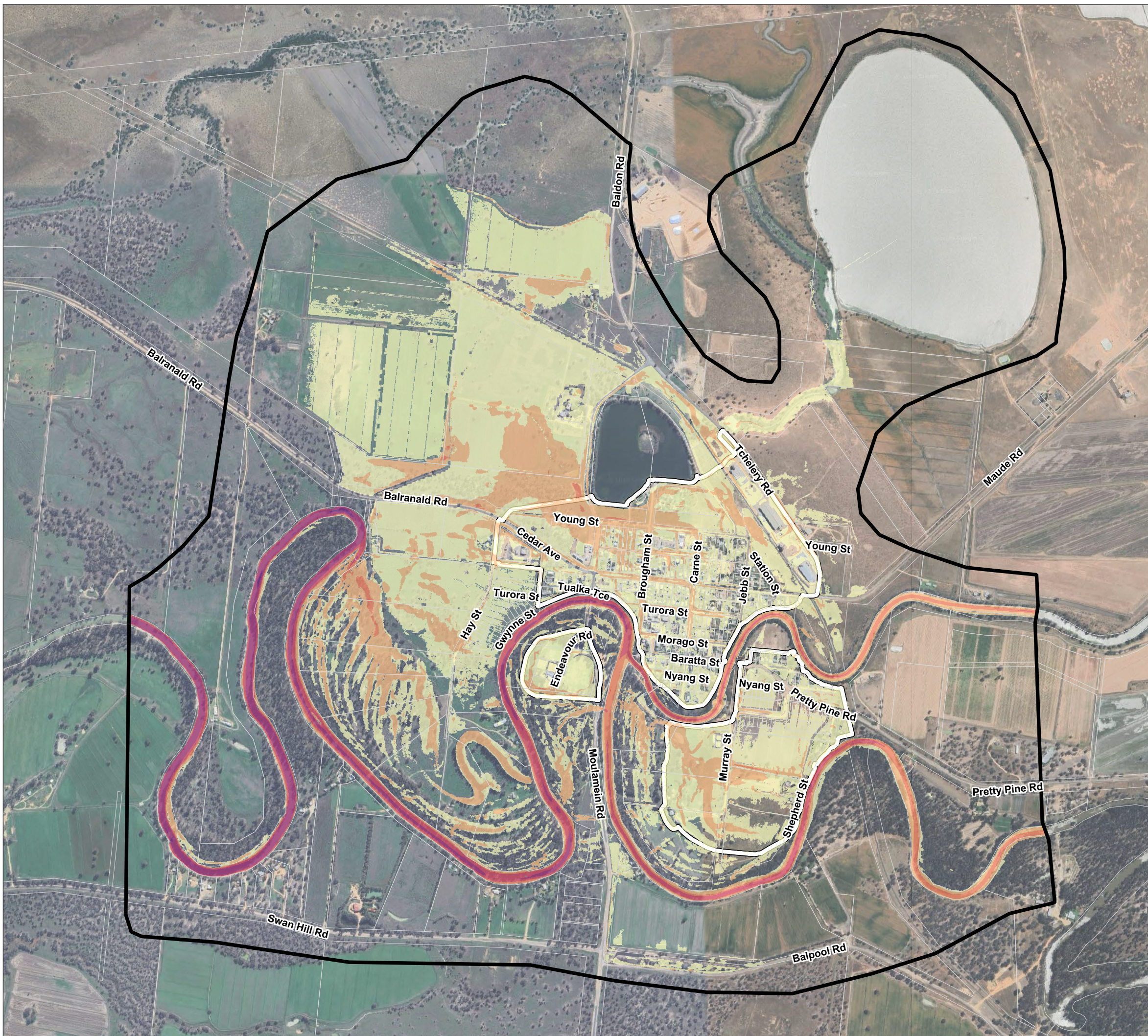
## Overland Flow Peak Depth-Velocity Product PMF

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Peak Depth-Velocity Product ( $m^2/s$ )

- $\leq 0.05$
- 0.05 - 0.25
- 0.25 - 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 3.00
- 3.00 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- $> 6.00$



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



## Appendix H-48

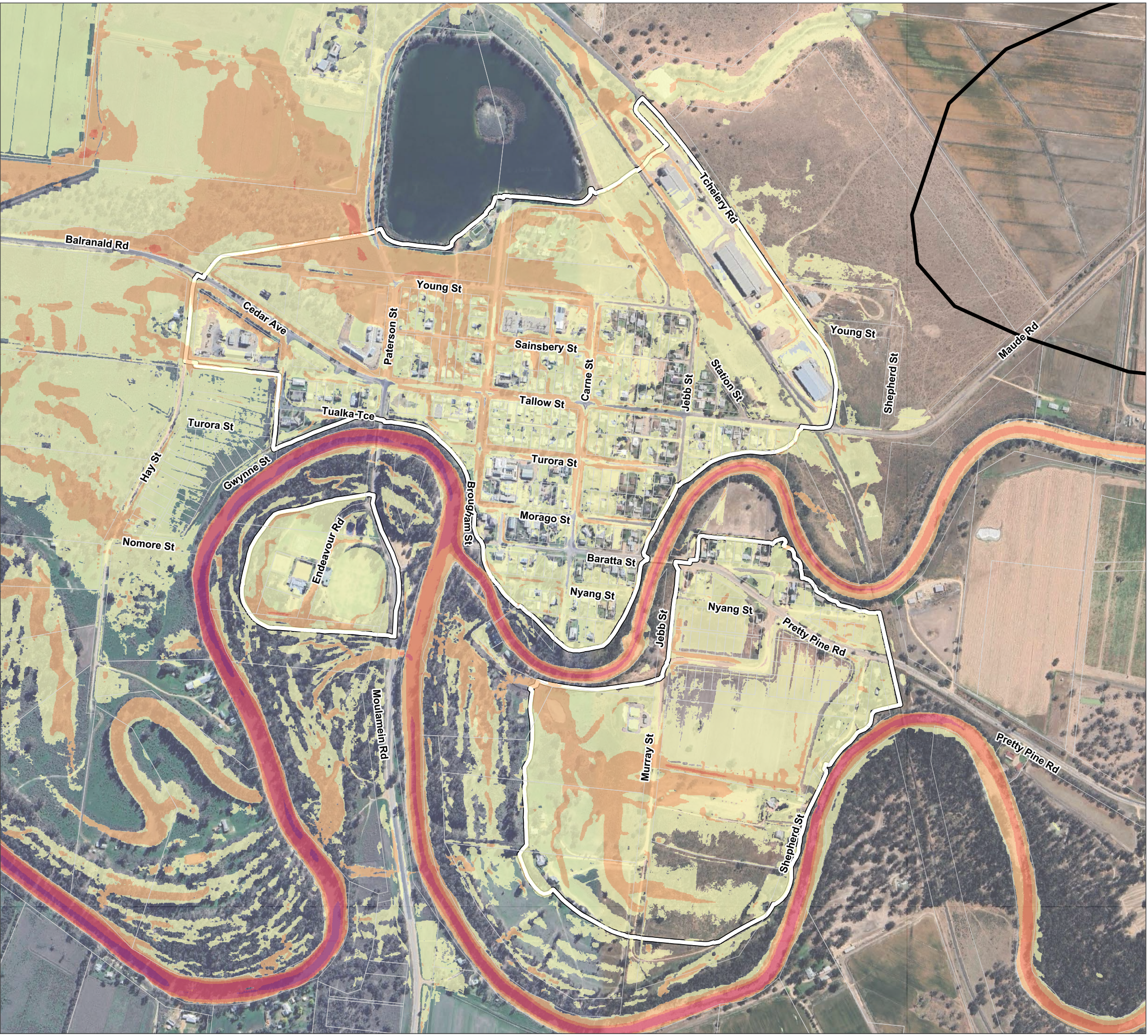
### Overland Flow Peak Depth-Velocity Product PMF

#### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

Peak Depth-Velocity Product ( $\text{m}^2/\text{s}$ )

-   $\leq 0.05$
-  0.05 - 0.25
-  0.25 - 0.50
-  0.50 - 1.00
-  1.00 - 2.00
-  2.00 - 3.00
-  3.00 - 4.00
-  4.00 - 5.00
-  5.00 - 6.00
-   $> 6.00$



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

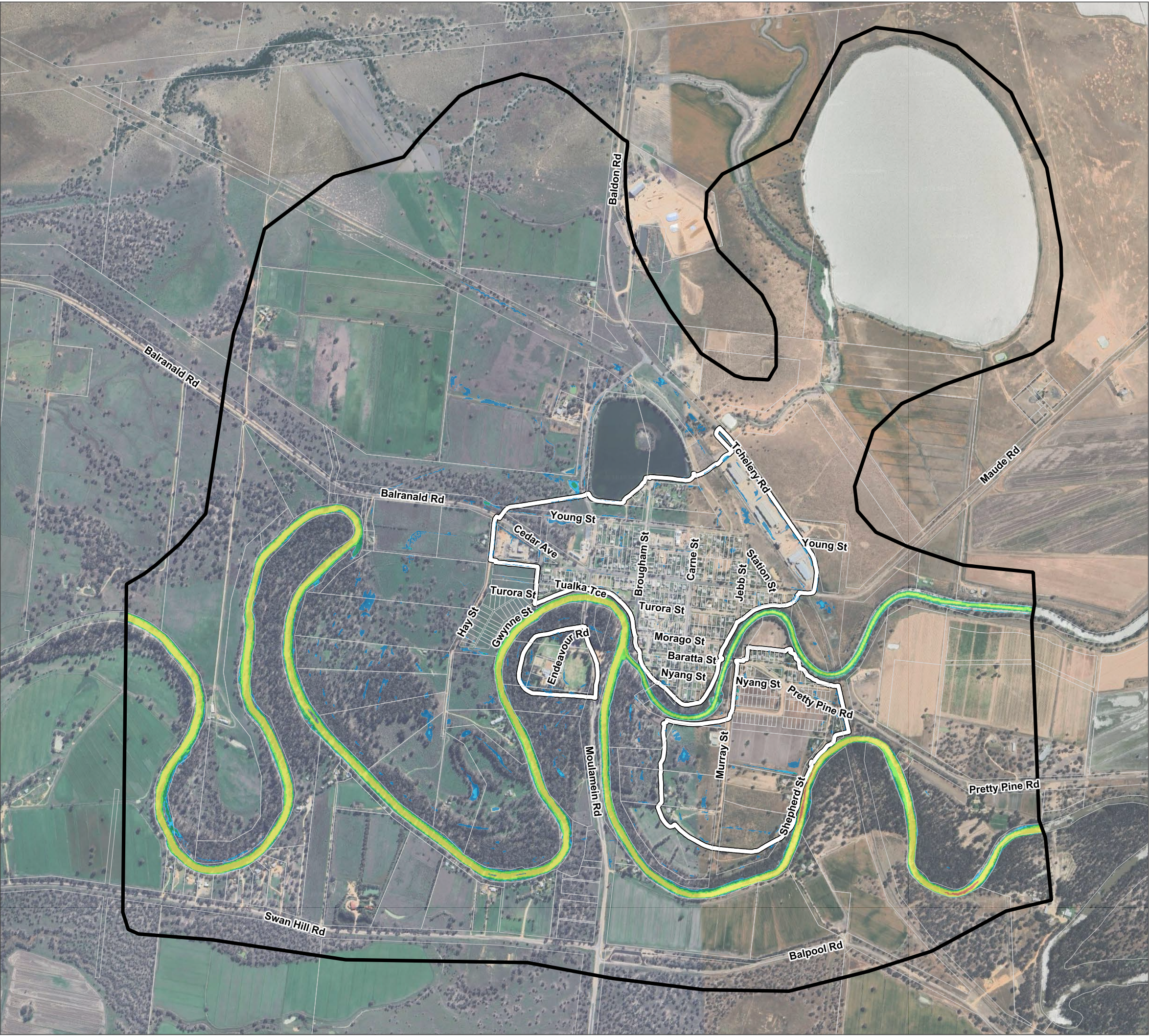


# Appendix H-49

## Overland Flow Peak Hydraulic Hazard 20% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m

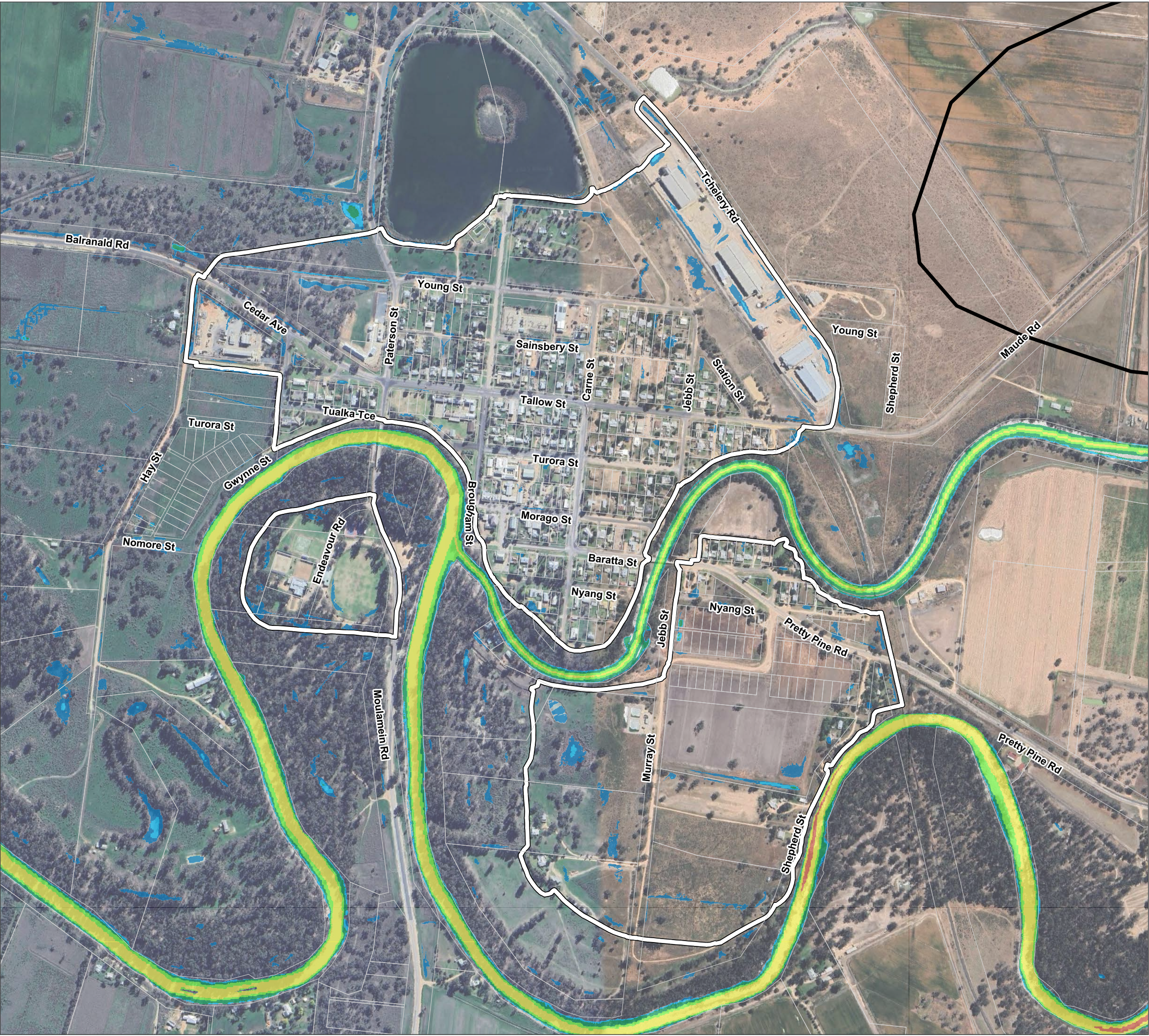


# Appendix H-50

## Overland Flow Peak Hydraulic Hazard 20% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

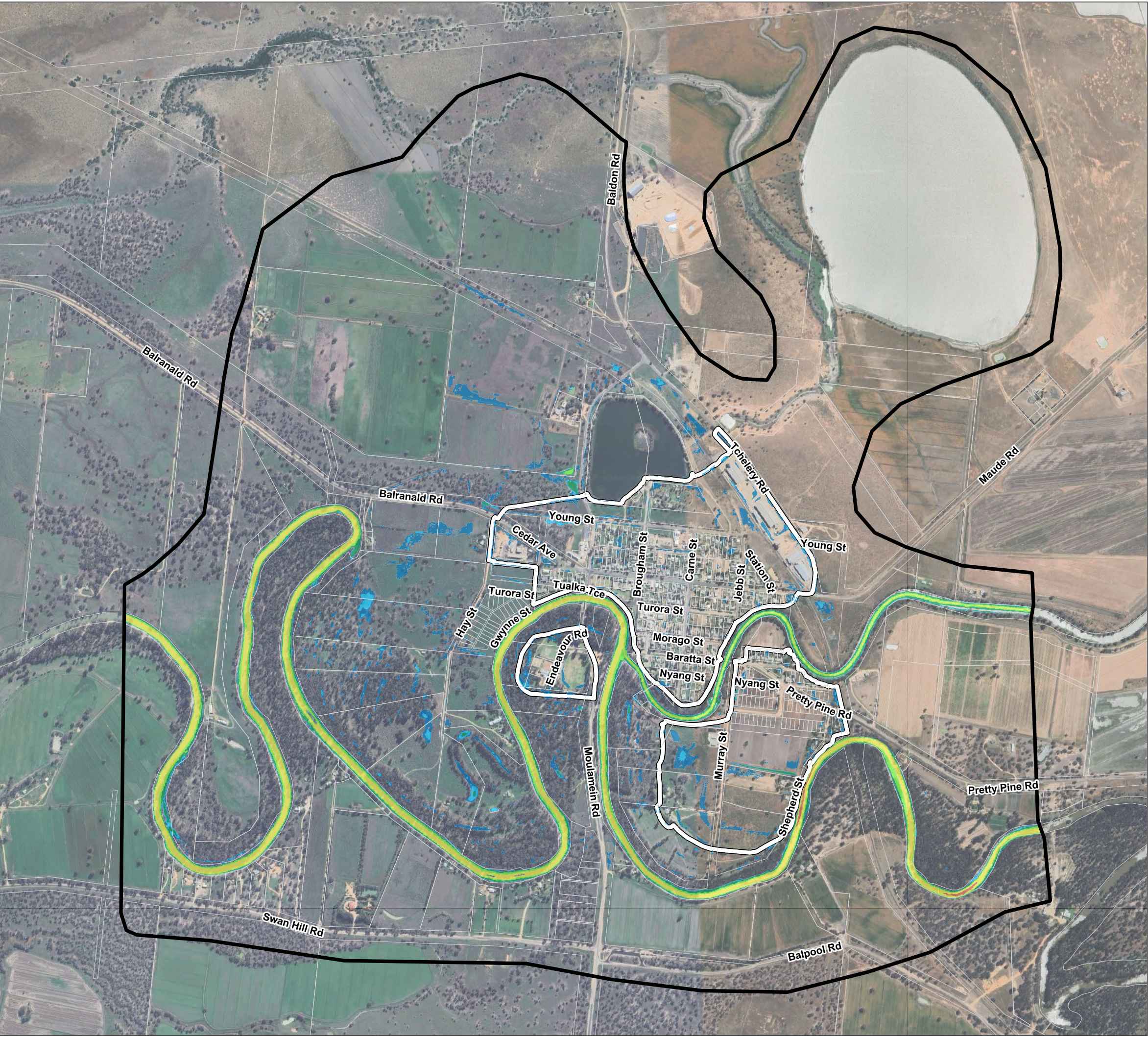


Appendix H-51

Overland Flow  
Peak Hydraulic Hazard  
10% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



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Appendix H-52

Overland Flow  
Peak Hydraulic Hazard  
10% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

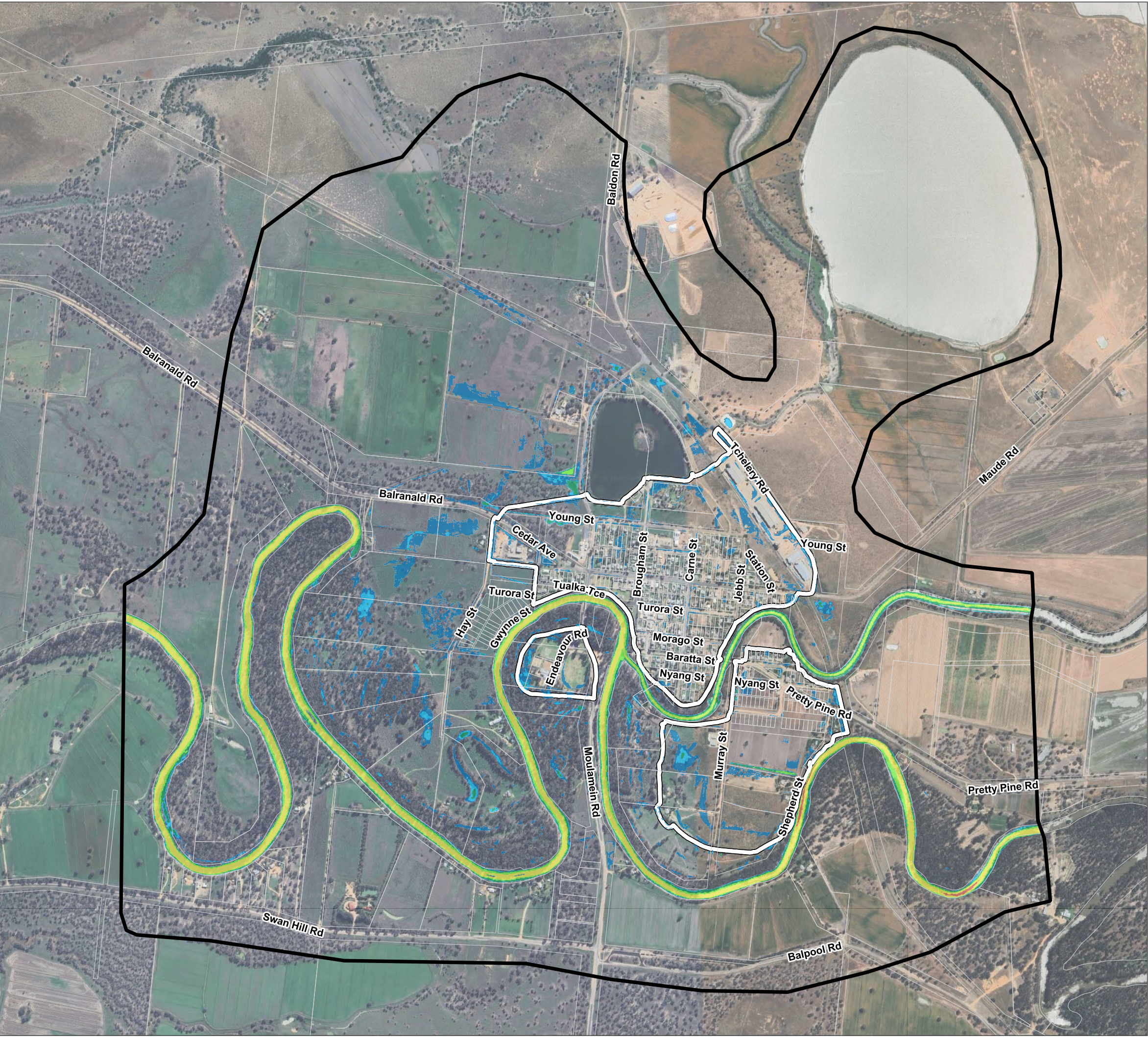


Appendix H-53

Overland Flow  
Peak Hydraulic Hazard  
5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-54

## Overland Flow Peak Hydraulic Hazard 5% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m





CIVIL | WATER | ENVIRONMENT

## Appendix H-55

### Overland Flow Peak Hydraulic Hazard 2% AEP Design Event

#### LEGEND

Moulamein Town Levees

Overland Model Extent

Cadastre

#### Peak Flood Hazard

H1 - No Restrictions

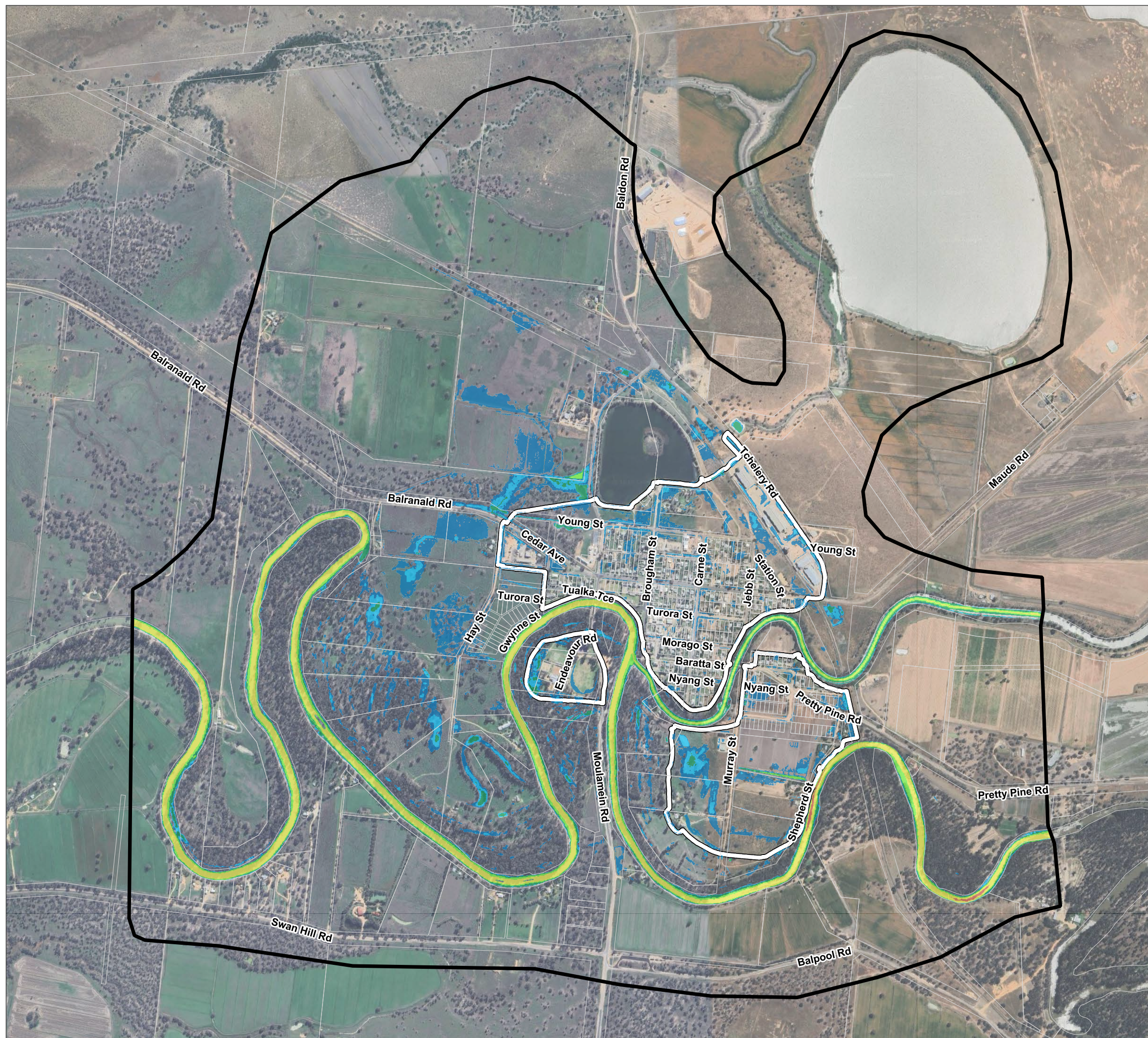
H2 - Unsafe for Small Vehicles

H3 - Unsafe for Vehicles, Children & Elderly

H4 - Unsafe for People & Vehicles

H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)

H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-56

## Overland Flow Peak Hydraulic Hazard 2% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

### Murray River Council



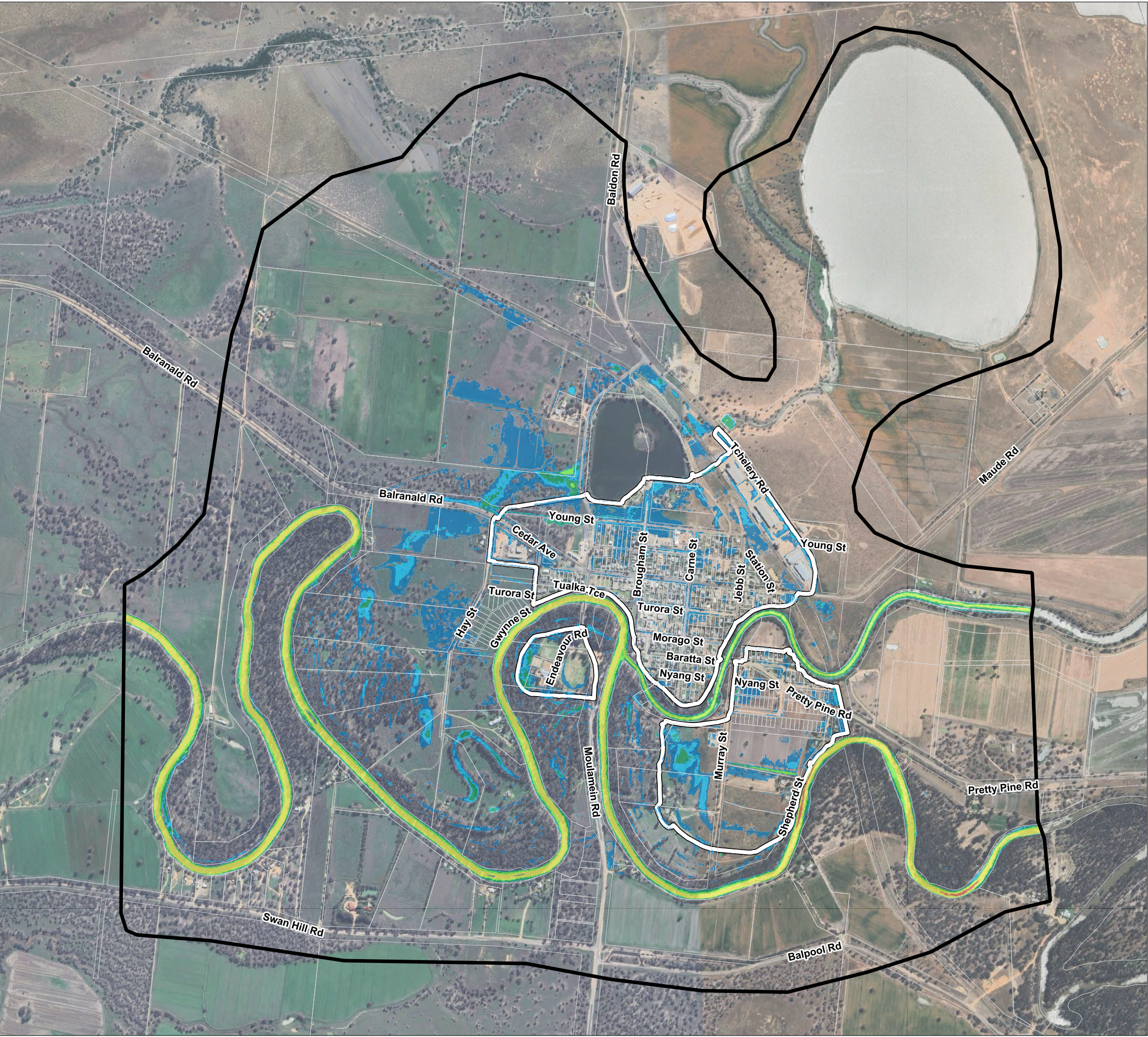


Appendix H-57

Overland Flow  
Peak Hydraulic Hazard  
1% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-58

## Overland Flow Peak Hydraulic Hazard 1% AEP Design Event

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

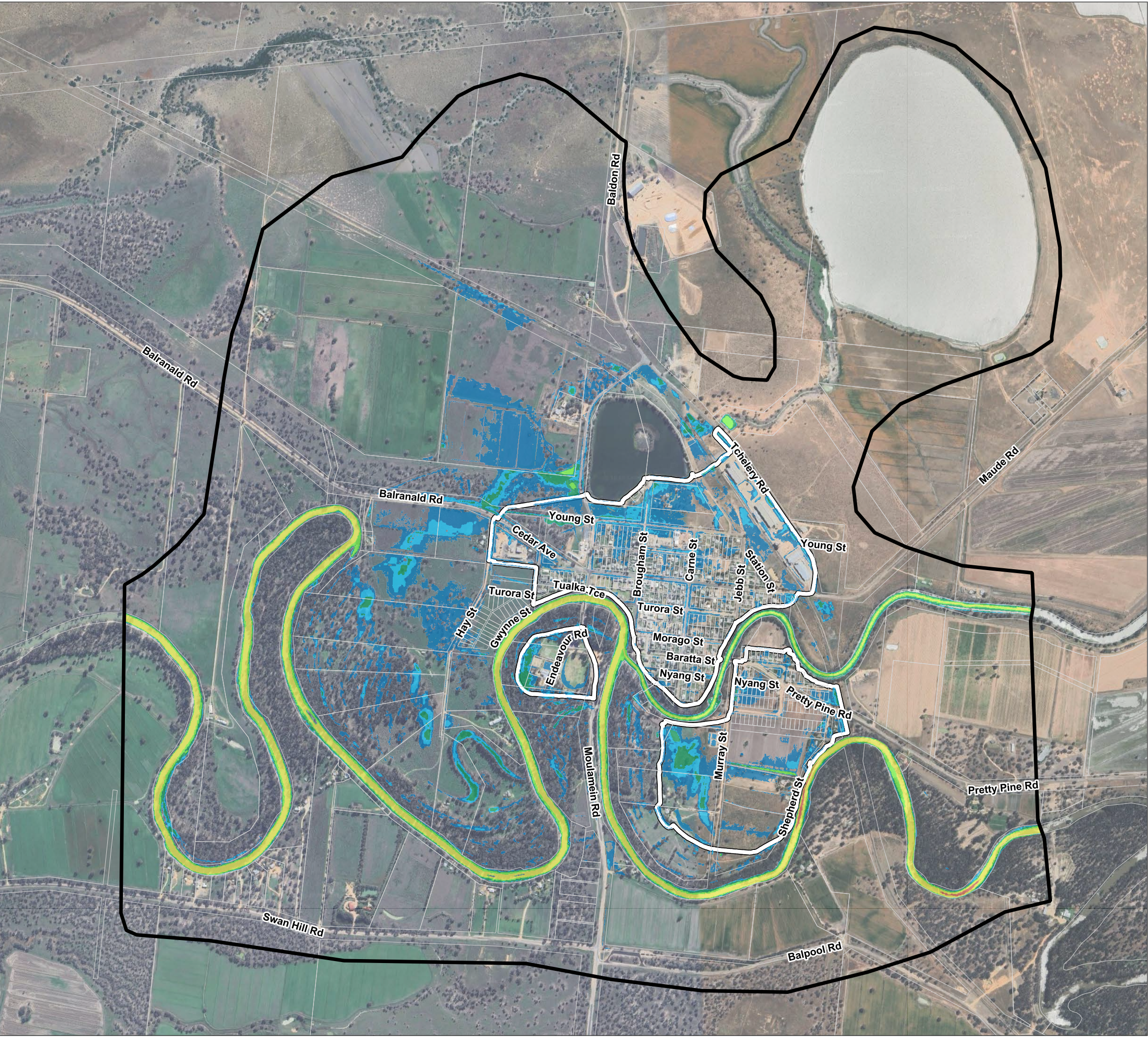


Appendix H-59

Overland Flow  
Peak Hydraulic Hazard  
0.5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



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Appendix H-60

Overland Flow  
Peak Hydraulic Hazard  
0.5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings

Moulamein Flood Study Review

Murray River Council

A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025



0 150 300 450 600 m





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## Appendix H-61

Overland Flow  
Peak Hydraulic Hazard  
0.2% AEP Design Event

### LEGEND

Moulamein Town Levees

Overland Model Extent

Cadastre

Peak Flood Hazard

H1 - No Restrictions

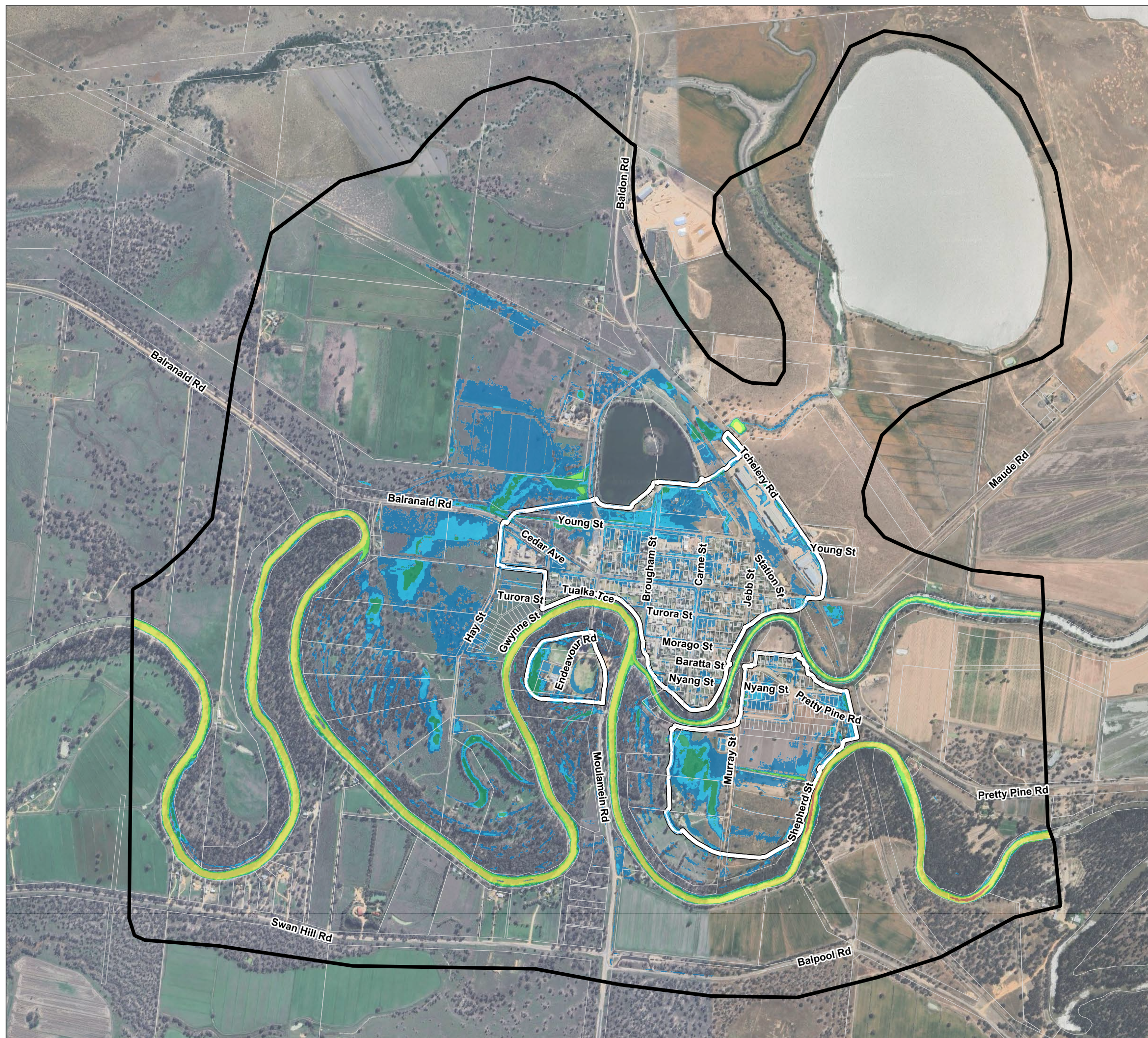
H2 - Unsafe for Small Vehicles

H3 - Unsafe for Vehicles, Children & Elderly

H4 - Unsafe for People & Vehicles

H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)

H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-62

Overland Flow  
Peak Hydraulic Hazard  
0.2% AEP Design Event

## LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

### Peak Flood Hazard

- H1 - No Restrictions
- H2 - Unsafe for Small Vehicles
- H3 - Unsafe for Vehicles, Children & Elderly
- H4 - Unsafe for People & Vehicles
- H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
- H6 - Not Suitable for People, Vehicles or Buildings



**Moulamein Flood Study Review**

**Murray River Council**



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m

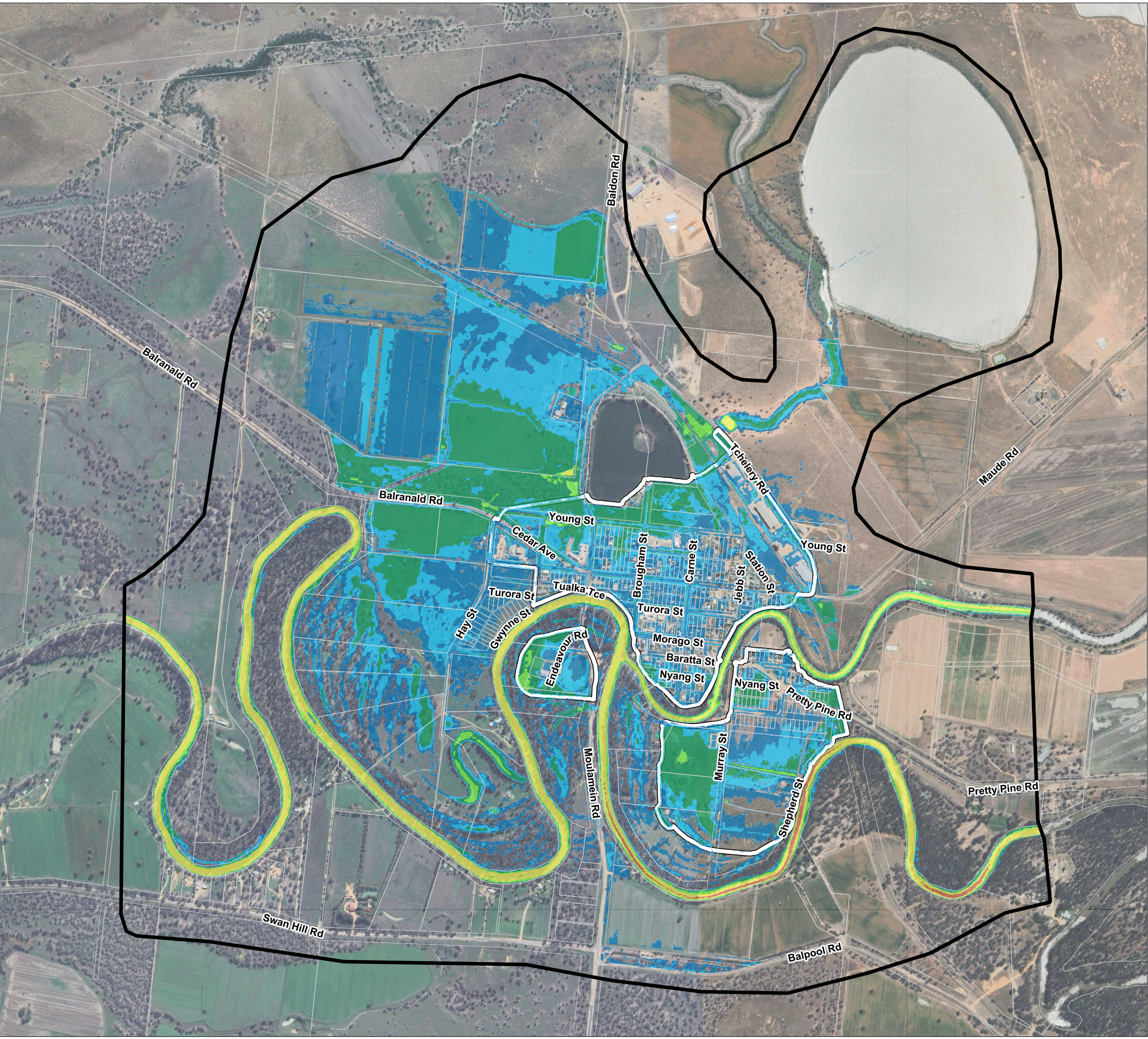


# Appendix H-63

## Overland Flow Peak Hydraulic Hazard PMF

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m

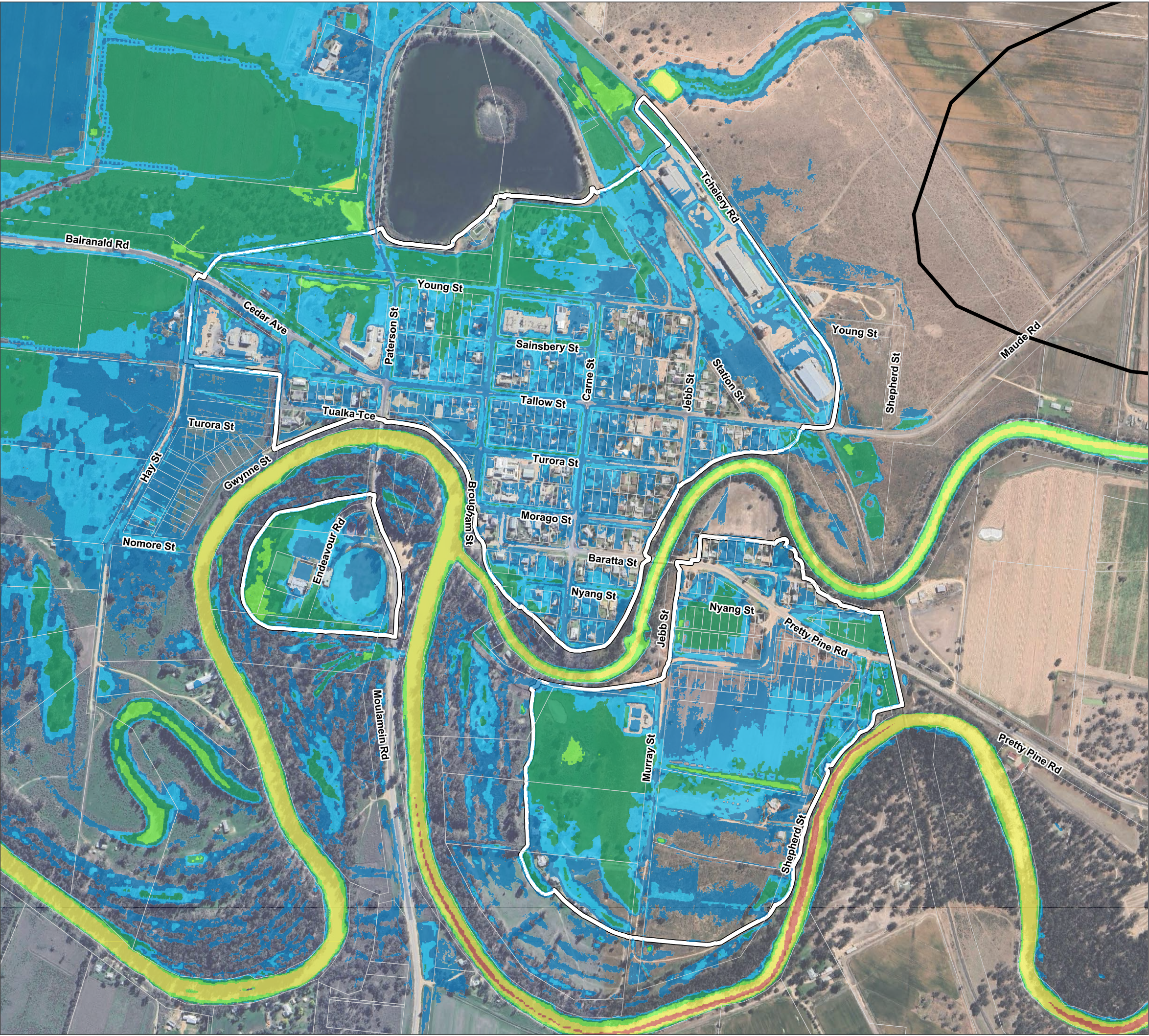


# Appendix H-64

## Overland Flow Peak Hydraulic Hazard PMF

### LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Peak Flood Hazard
  - H1 - No Restrictions
  - H2 - Unsafe for Small Vehicles
  - H3 - Unsafe for Vehicles, Children & Elderly
  - H4 - Unsafe for People & Vehicles
  - H5 - Unsafe for People & Vehicles (Buildings Require Special Engineering Design and Construction)
  - H6 - Not Suitable for People, Vehicles or Buildings



## Moulamein Flood Study Review

### Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



WMS

CIVIL | WATER | ENVIRONMENT

Appendix H-65

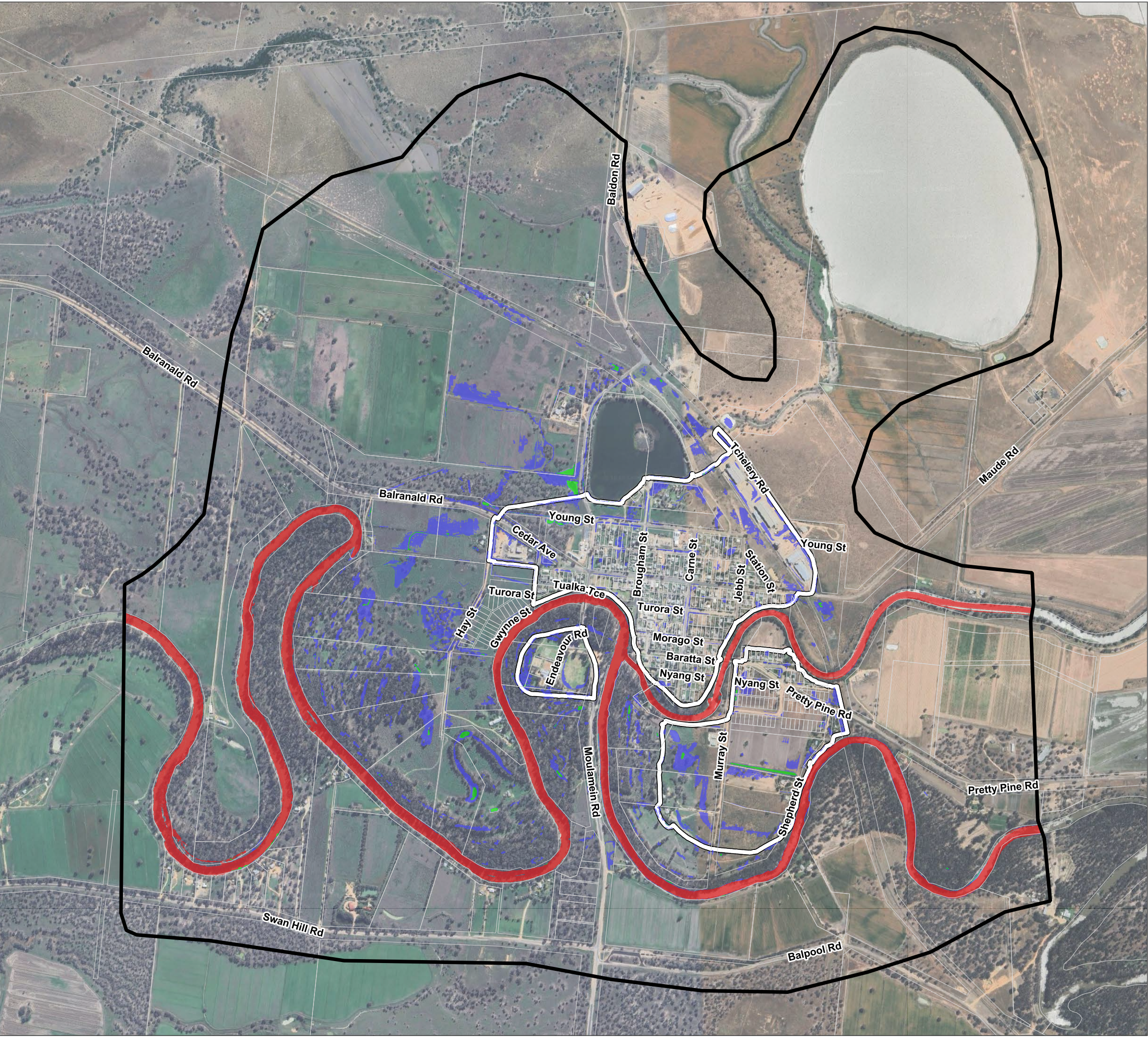
Overland Flow  
Hydraulic Categorisation (Flood  
Function)  
5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Hydraulic Categorisation (Flood Function)

- Floodway
- Flood Storage
- Flood Fringe



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



WMS

CIVIL | WATER | ENVIRONMENT

Appendix H-66

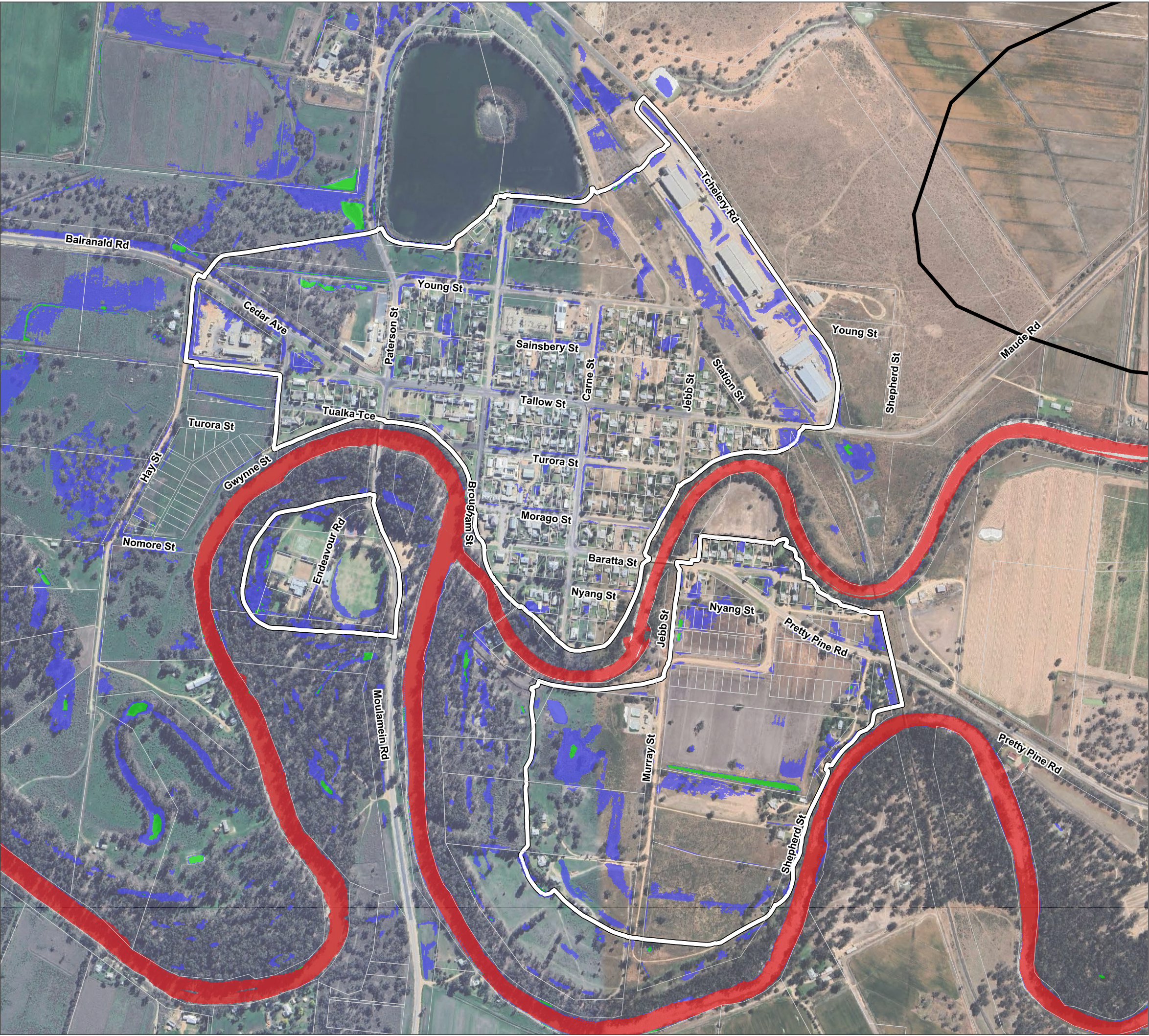
Overland Flow  
Hydraulic Categorisation (Flood  
Function)  
5% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre

Hydraulic Categorisation (Flood Function)

- Floodway
- Flood Storage
- Flood Fringe



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-67

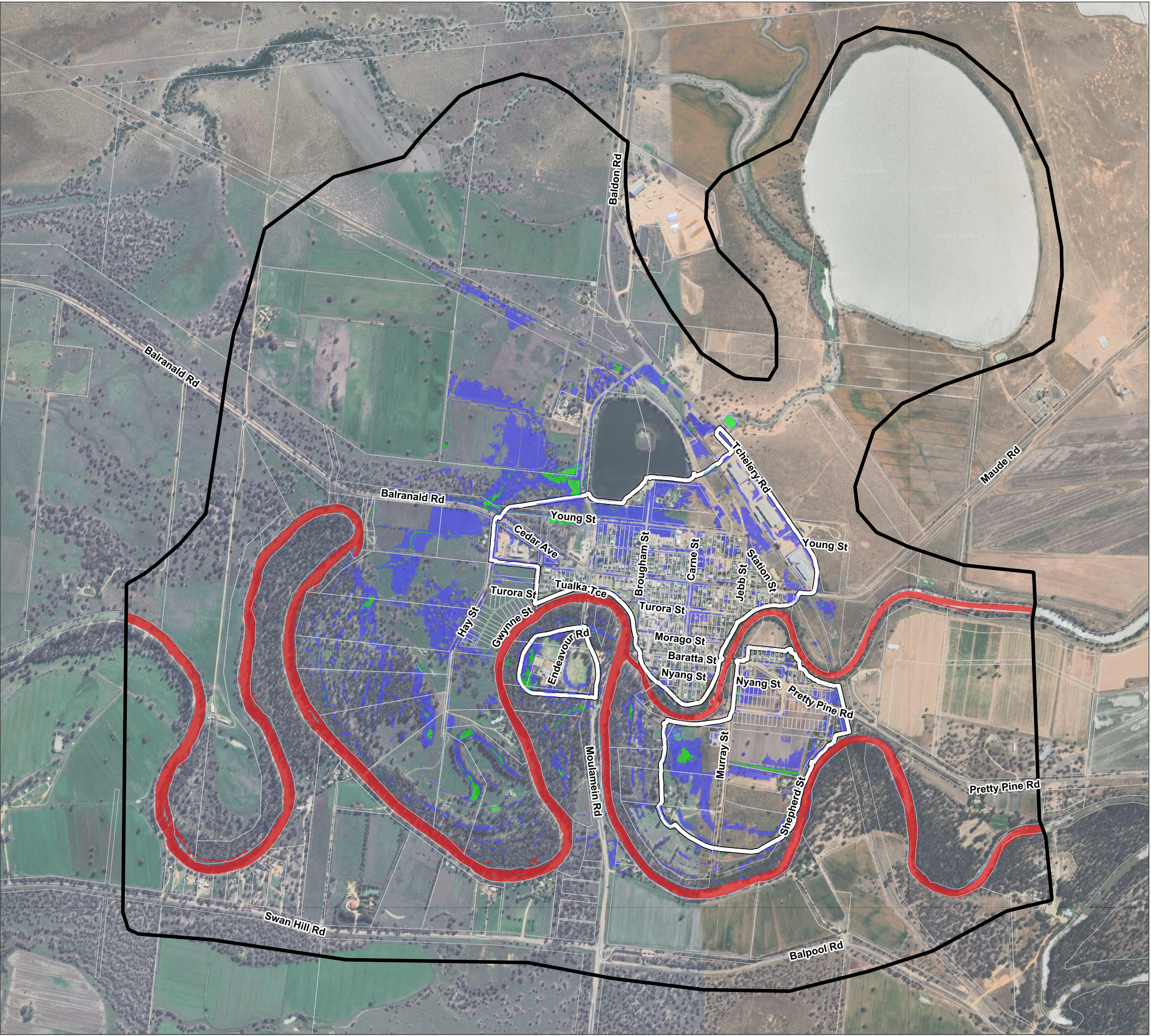
Overland Flow  
Hydraulic Categorisation (Flood  
Function)  
1% AEP Design Event

## LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

## Hydraulic Categorisation (Flood Function)

-  Floodway
-  Flood Storage
-  Flood Fringe



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



WMS

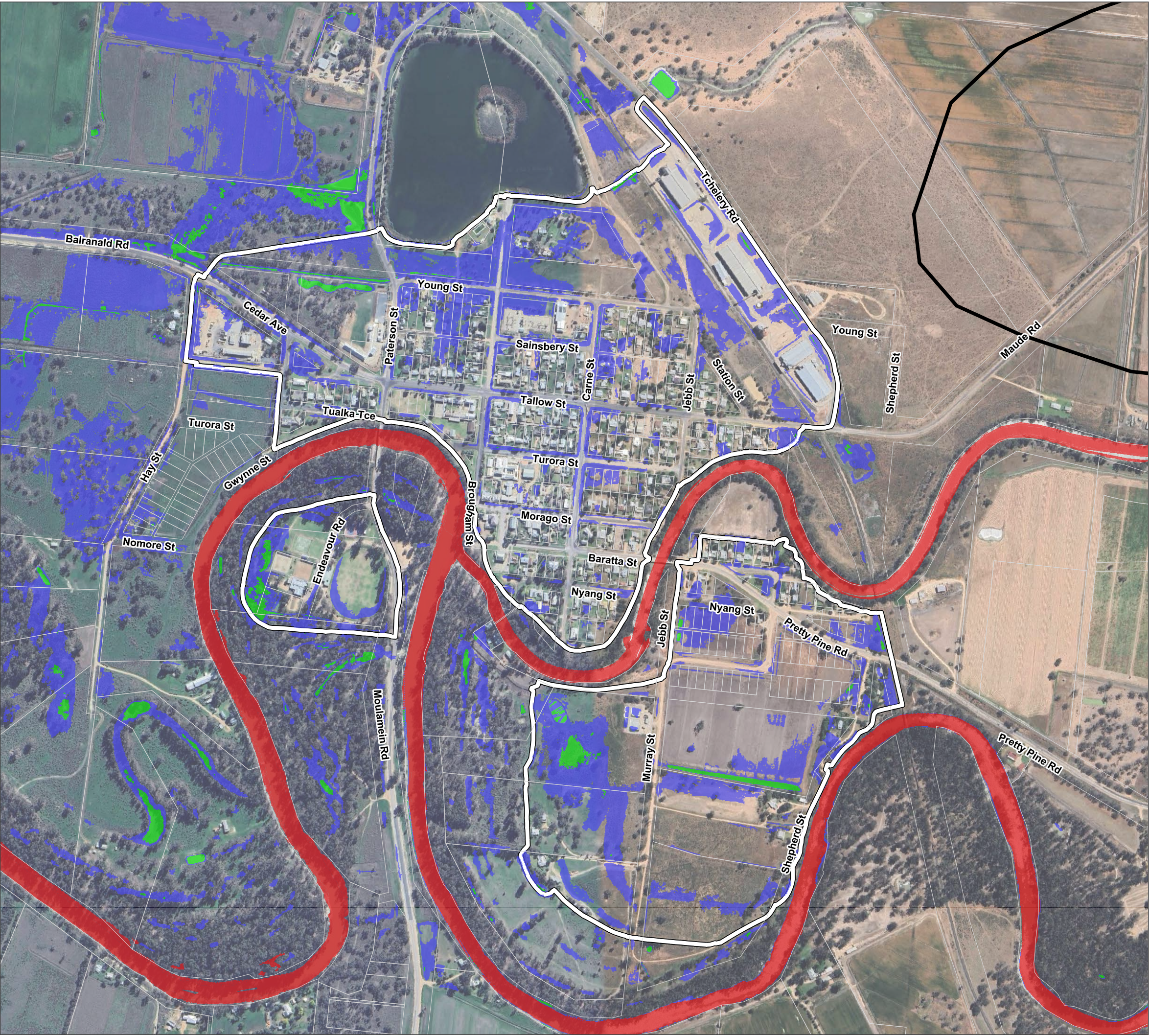
CIVIL | WATER | ENVIRONMENT

Appendix H-68

Overland Flow  
Hydraulic Categorisation (Flood  
Function)  
1% AEP Design Event

LEGEND

- Moulamein Town Levees
- Overland Model Extent
- Cadastre
- Hydraulic Categorisation (Flood Function)
  - Floodway
  - Flood Storage
  - Flood Fringe



Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m



# Appendix H-69

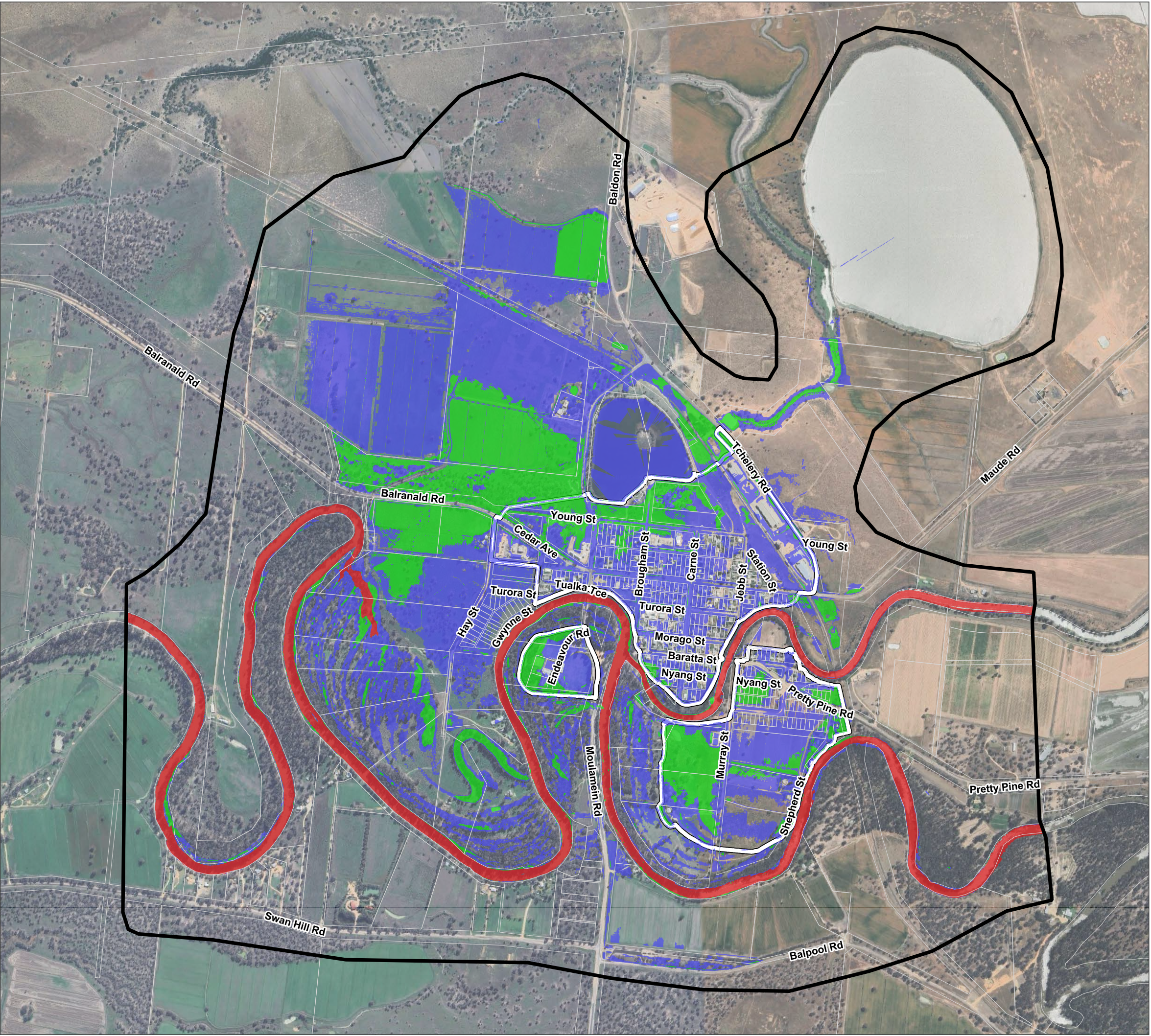
## Overland Flow Hydraulic Categorisation (Flood Function) PMF

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Hydraulic Categorisation (Flood Function)

-  Floodway
-  Flood Storage
-  Flood Fringe



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:17000  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 250 500 750 1,000 m



# Appendix H-70

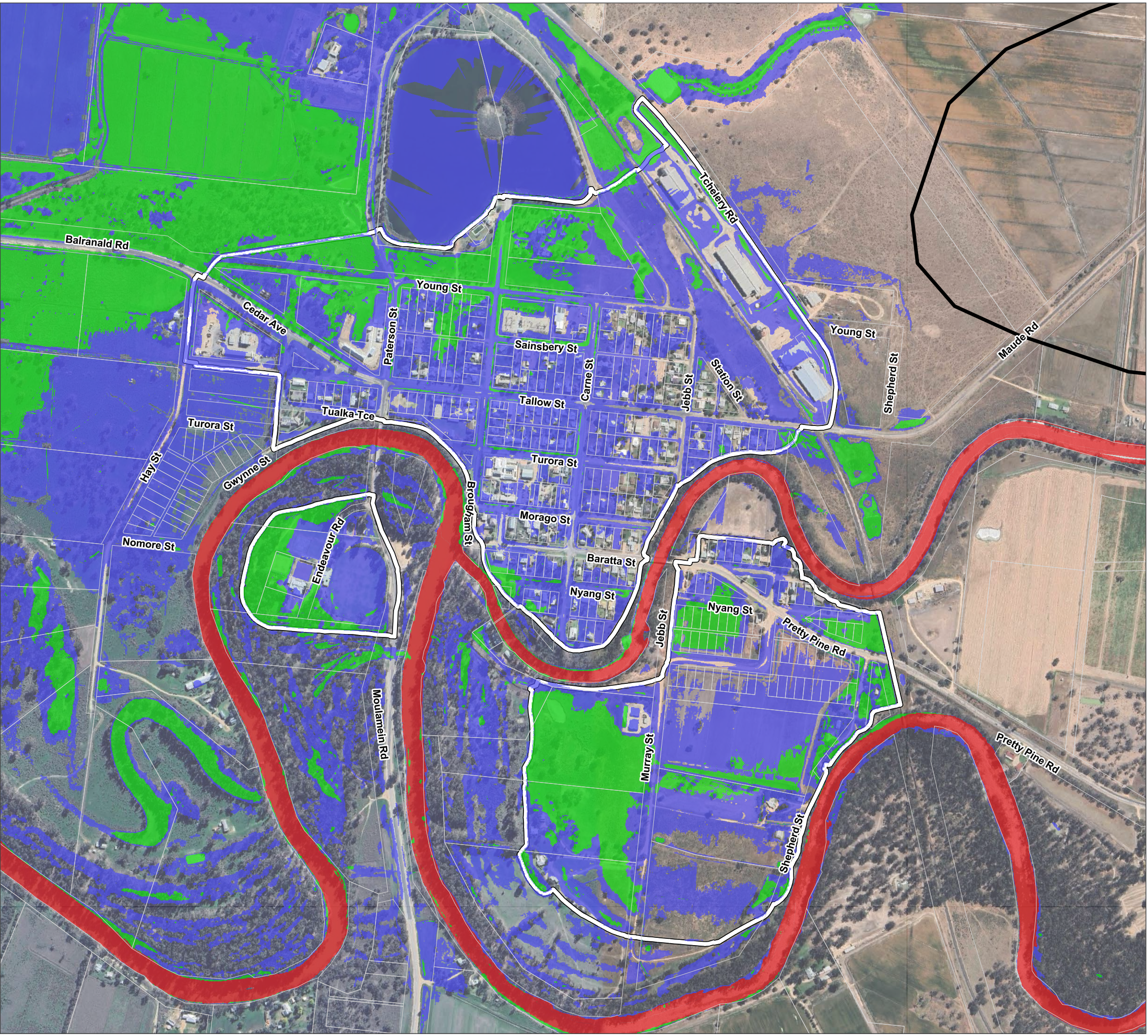
## Overland Flow Hydraulic Categorisation (Flood Function) PMF

### LEGEND

-  Moulamein Town Levees
-  Overland Model Extent
-  Cadastre

### Hydraulic Categorisation (Flood Function)

-  Floodway
-  Flood Storage
-  Flood Fringe



## Moulamein Flood Study Review

Murray River Council



A3 Scale: 1:8500  
GDA2020 - MGA zone 55

Job No: 20215  
Date: 04/07/2025

0 150 300 450 600 m