



YASS VALLEY COUNCIL

**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

ADDENDUM REPORT

JULY 2021

VOLUME 2 – FIGURES

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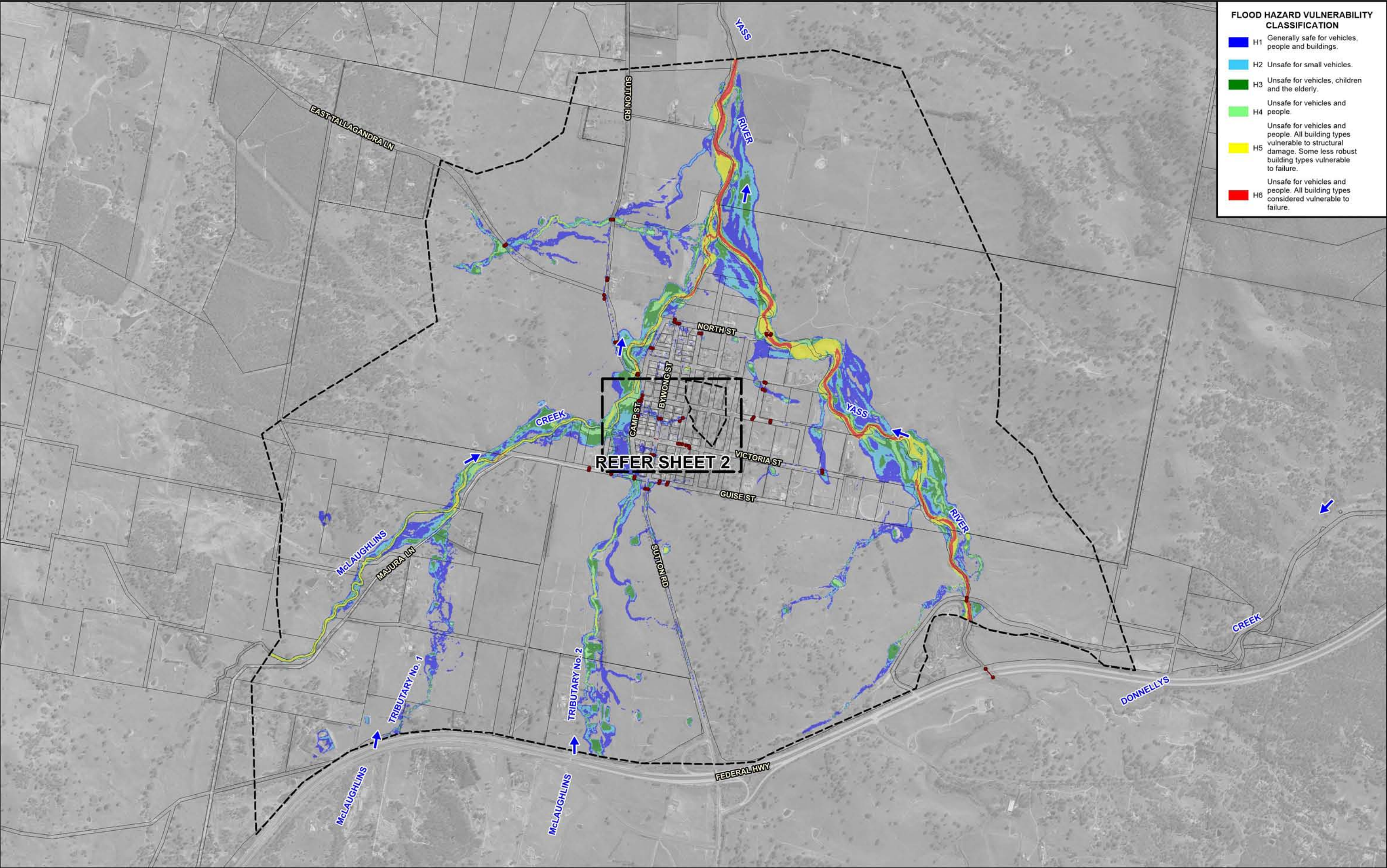
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ANNEXURE F

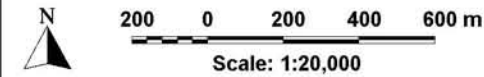
FIGURES RELATING TO THE VILLAGE OF SUTTON

LIST OF FIGURES (ANNEXURE F)

F1	Sutton Flood Hazard Vulnerability Classification – 1% AEP (2 Sheets)
F2	Sutton Flood Hazard Vulnerability Classification – 0.2% AEP (2 Sheets)
F3	Sutton Flood Hazard Vulnerability Classification – PMF (2 Sheets)
F4	Sutton Hydraulic Categorisation of Floodplain – 1% AEP (2 Sheets)
F5	Sutton Flood Emergency Response Classification – 1% AEP (2 Sheets)
F6	Extract of Yass Valley Flood Planning Map at Sutton (2 Sheets)
F7	Extract of Yass Valley Flood Planning Constraint Category Map at Sutton (2 Sheets)



FLOOD HAZARD VULNERABILITY CLASSIFICATION	
H1	Generally safe for vehicles, people and buildings.
H2	Unsafe for small vehicles.
H3	Unsafe for vehicles, children and the elderly.
H4	Unsafe for vehicles and people.
H5	Unsafe for vehicles and people. All building types vulnerable to structural damage. Some less robust building types vulnerable to failure.
H6	Unsafe for vehicles and people. All building types considered vulnerable to failure.



NOTE:
The ground surface model incorporated in TUFLOW is based on LiDAR survey which has been sampled on a 5 m grid and does not necessarily incorporate localised features which can influence flooding behaviour in individual allotments.

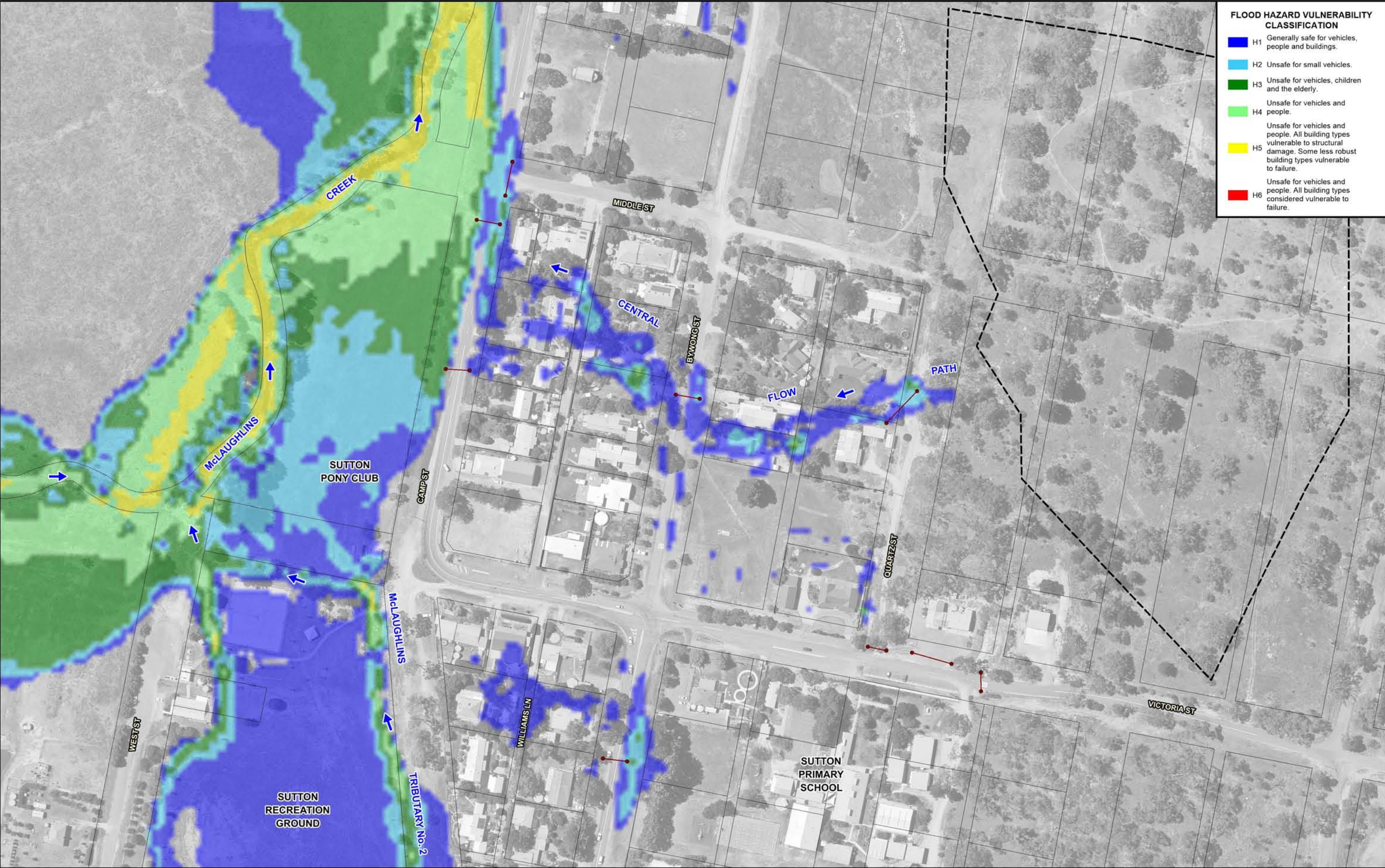
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- LEGEND
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

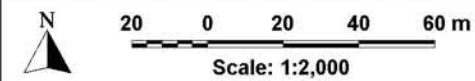
MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY

Figure F1
(Sheet 1 of 2)

SUTTON FLOOD HAZARD VULNERABILITY CLASSIFICATION
1% AEP



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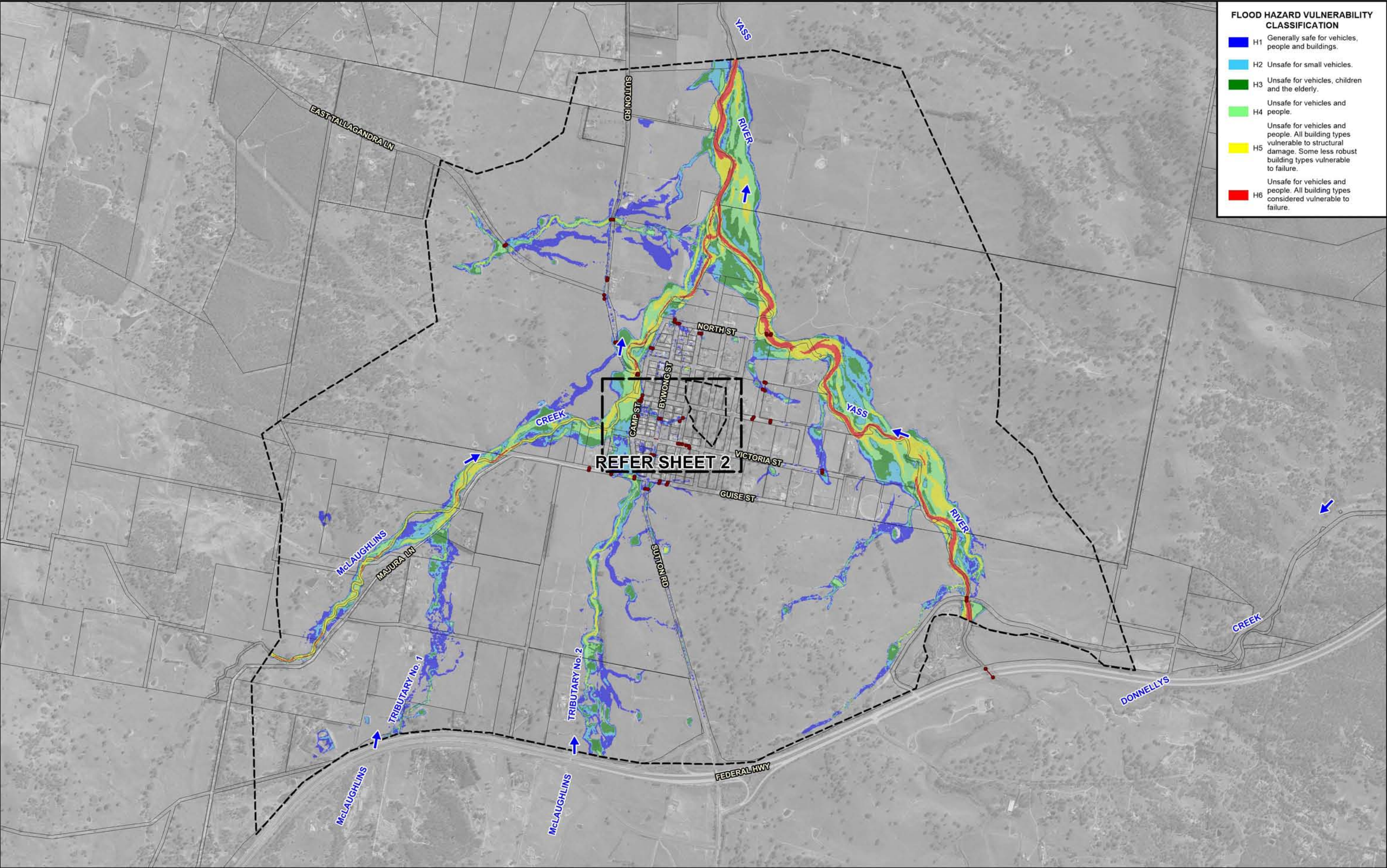
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- LEGEND
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

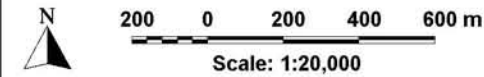
MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY

Figure F1
(Sheet 2 of 2)

SUTTON FLOOD HAZARD VULNERABILITY CLASSIFICATION
1% AEP



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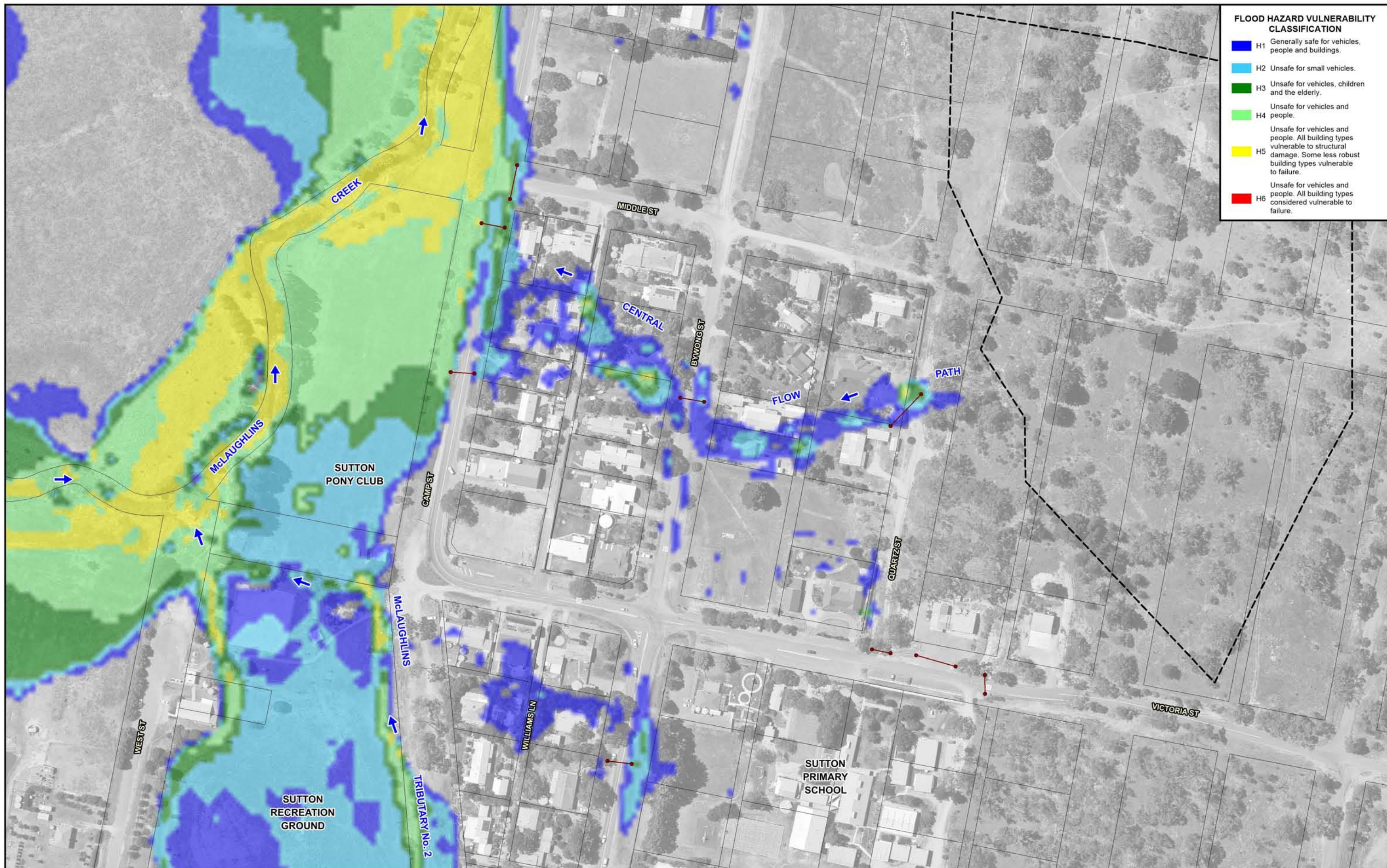
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- LEGEND**
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

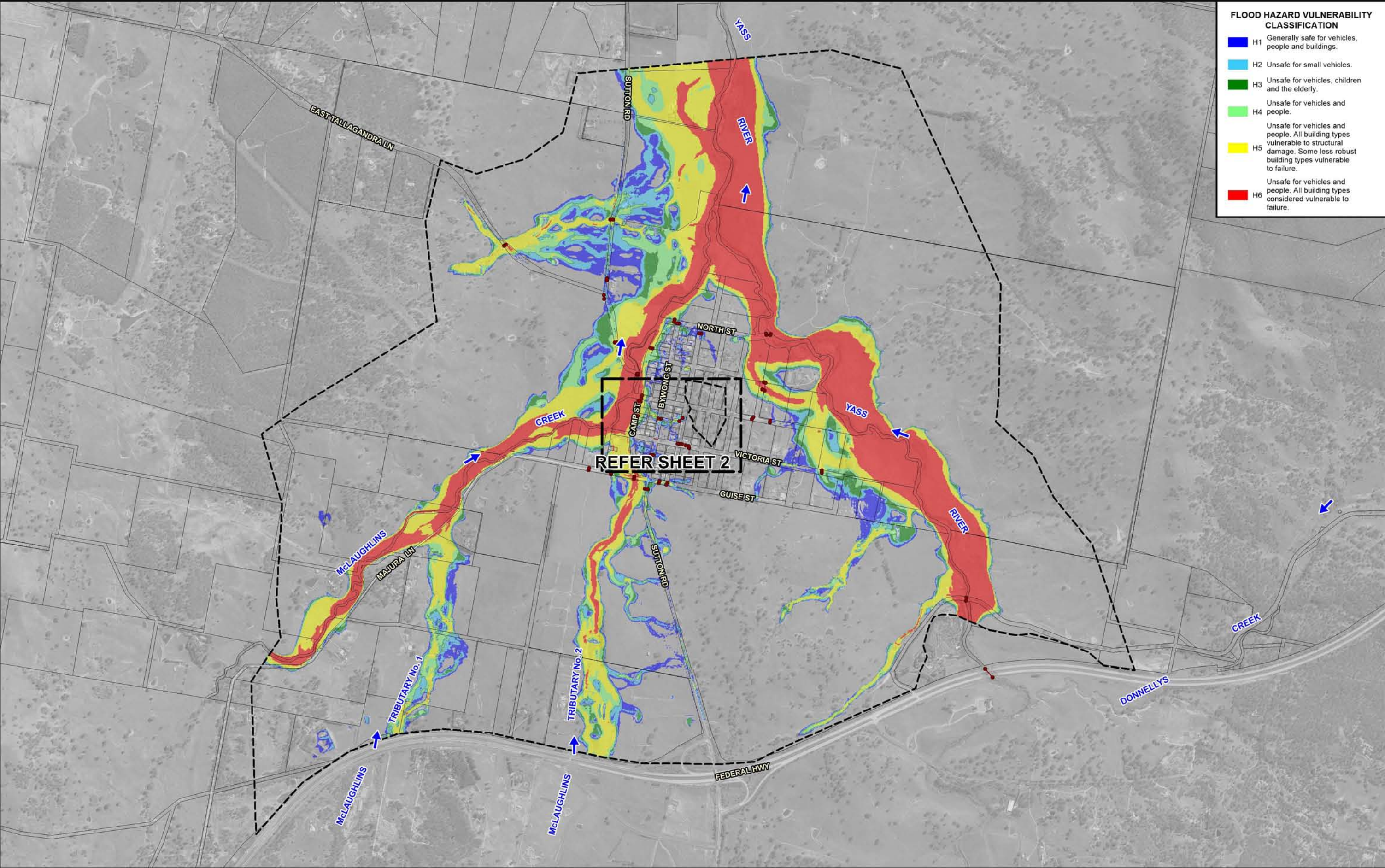
MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY

Figure F2
(Sheet 1 of 2)

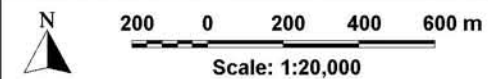
SUTTON FLOOD HAZARD VULNERABILITY CLASSIFICATION
0.2% AEP



FLOOD HAZARD VULNERABILITY CLASSIFICATION	
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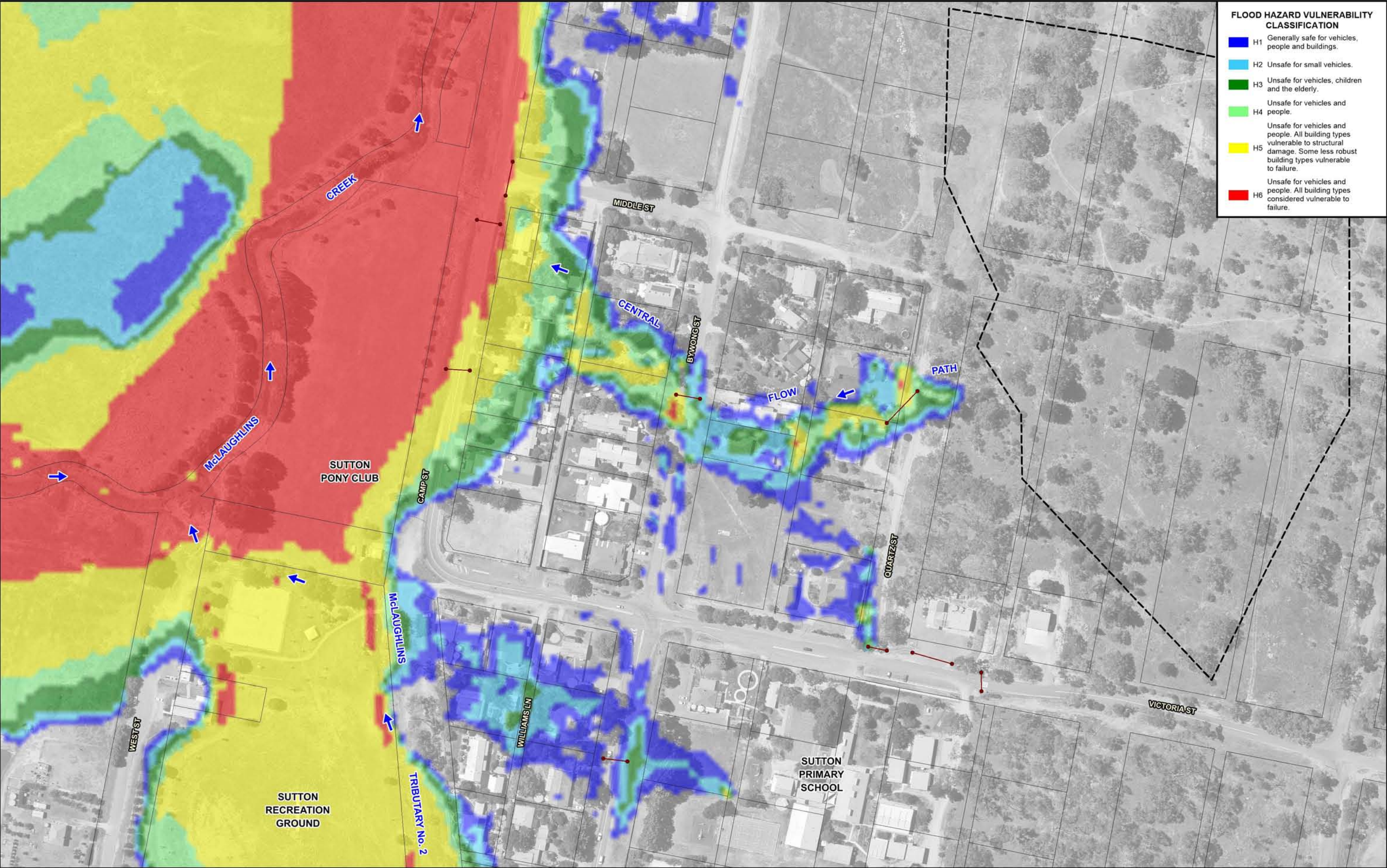
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- LEGEND**
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

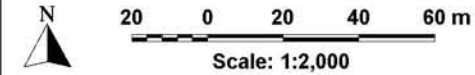
**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

Figure F3
(Sheet 1 of 2)

**SUTTON FLOOD HAZARD VULNERABILITY CLASSIFICATION
PMF**



FLOOD HAZARD VULNERABILITY CLASSIFICATION	
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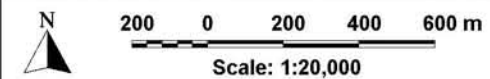
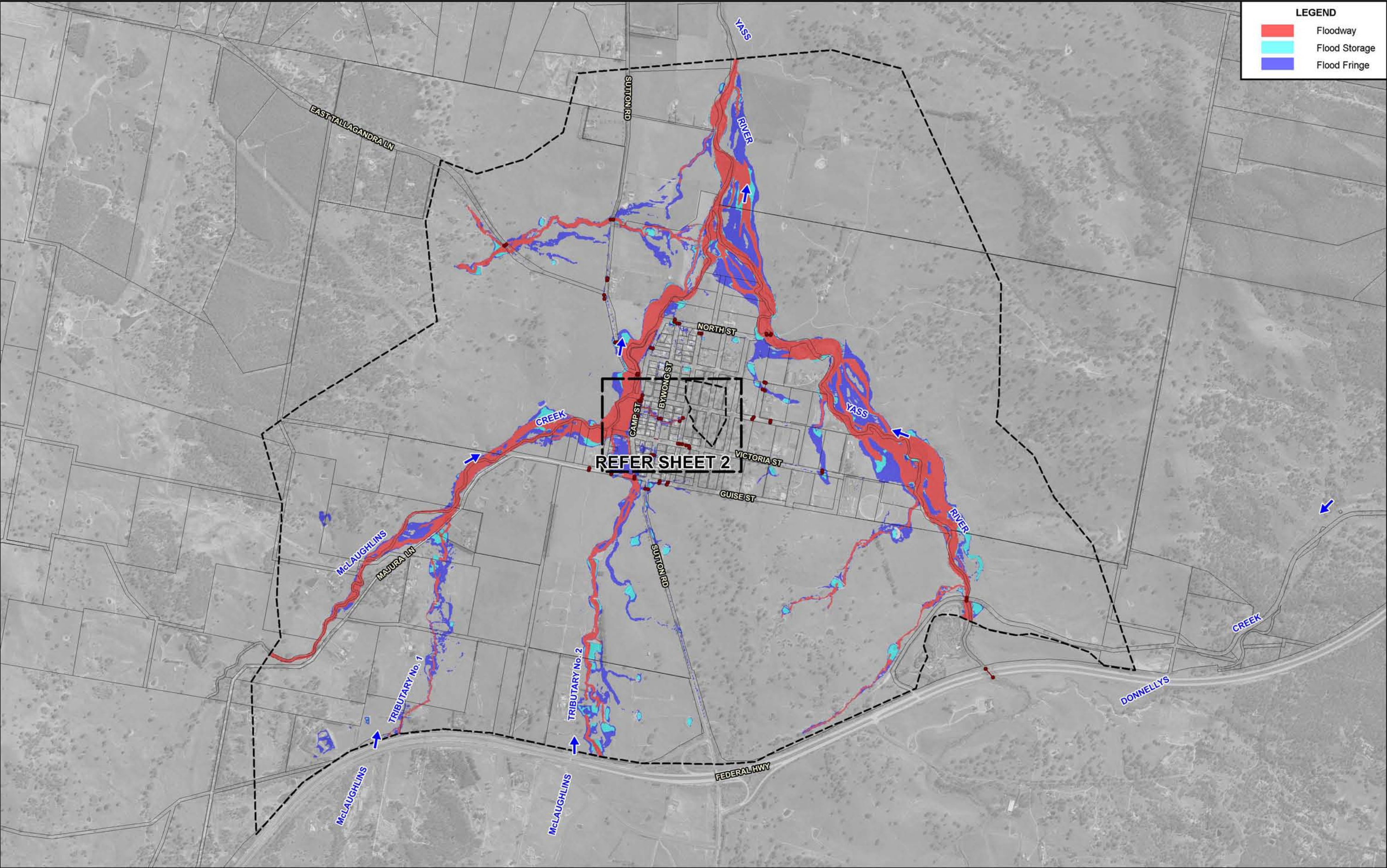
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- LEGEND**
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

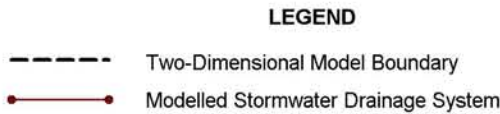
**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

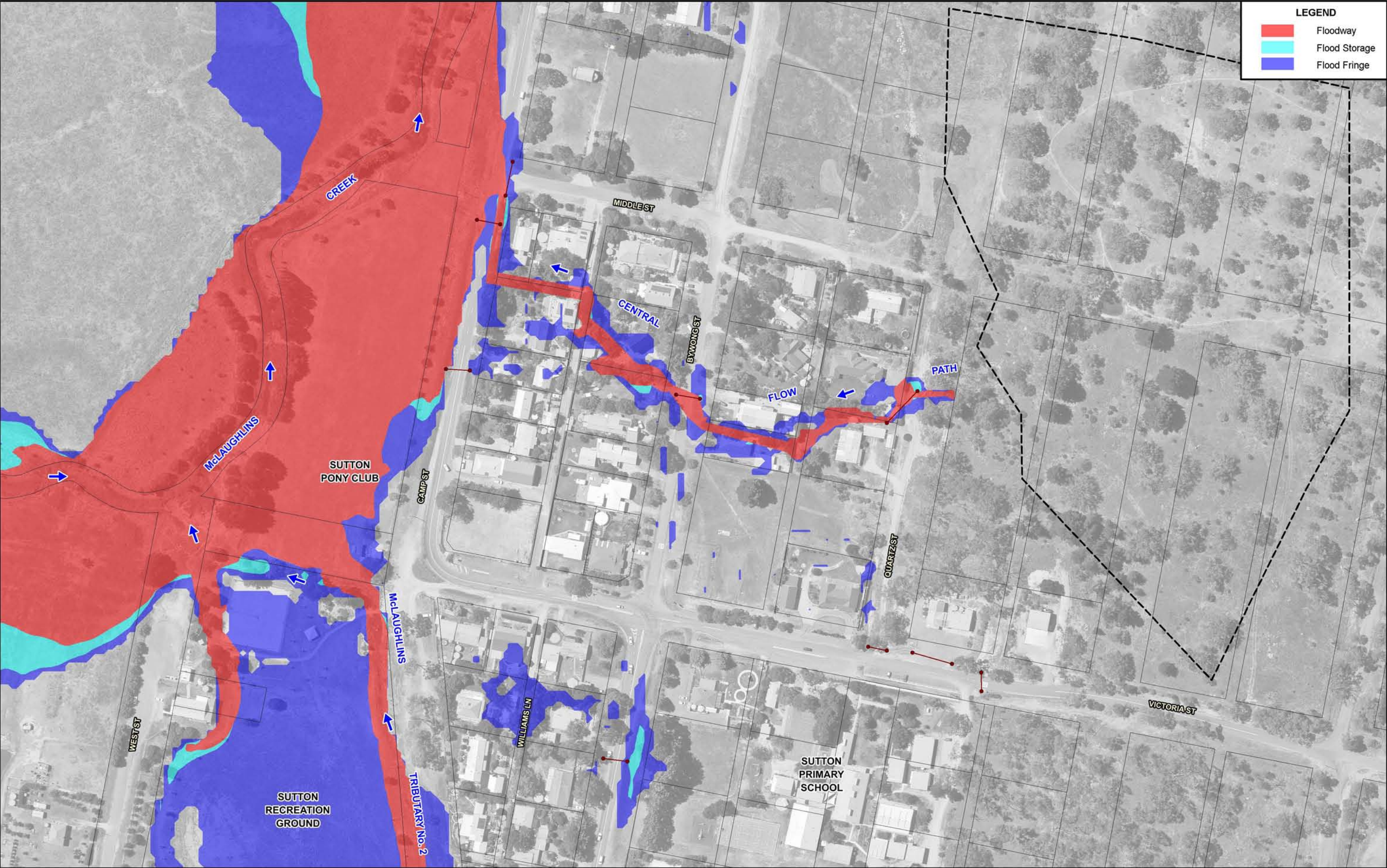
Figure F3
(Sheet 2 of 2)
**SUTTON FLOOD HAZARD VULNERABILITY CLASSIFICATION
PMF**



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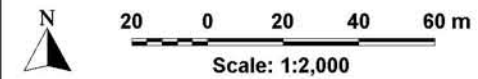
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LEGEND

- Floodway
- Flood Storage
- Flood Fringe



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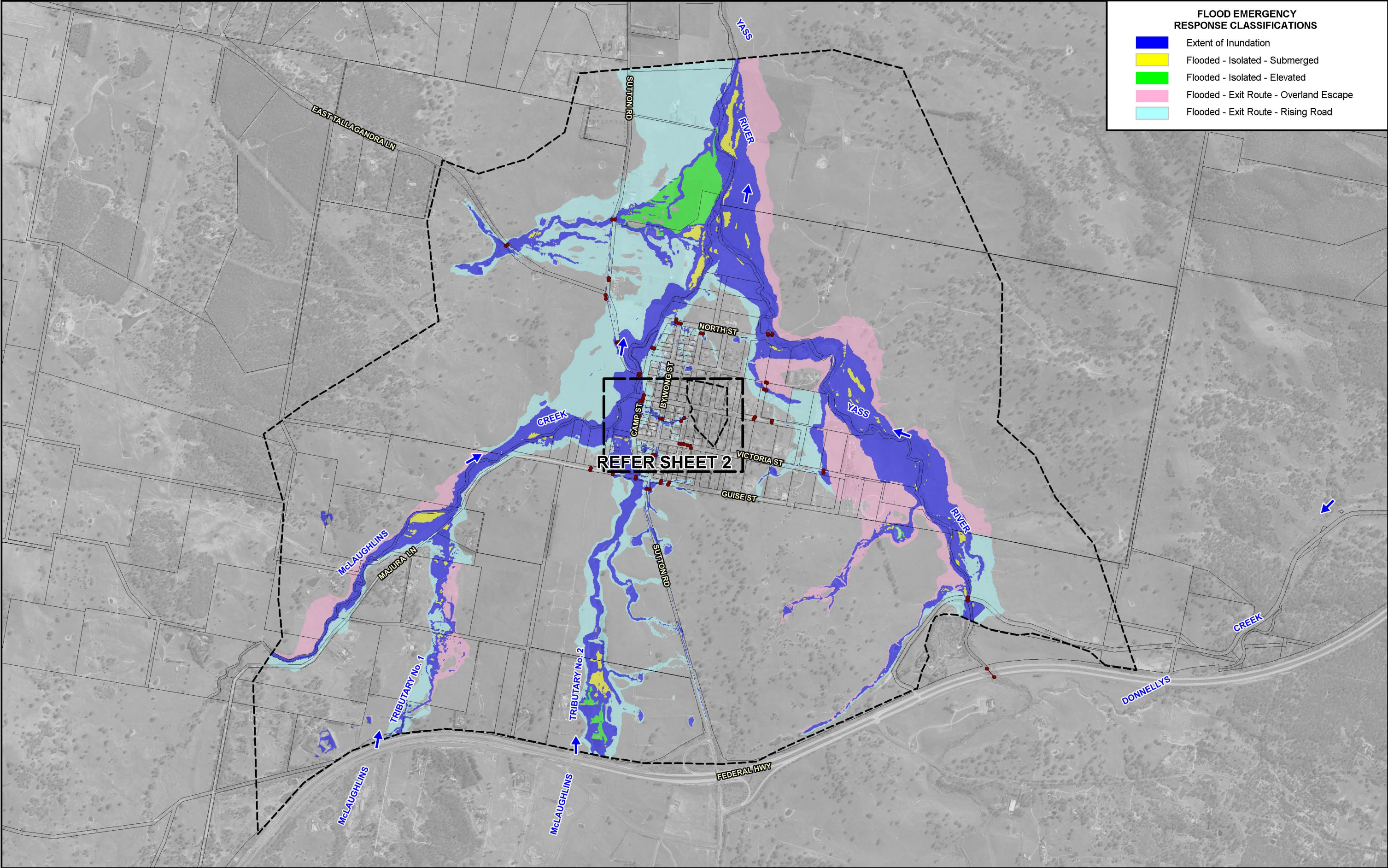
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LEGEND

- Two-Dimensional Model Boundary
- Modelled Stormwater Drainage System

**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

Figure F4
(Sheet 2 of 2)
**SUTTON HYDRAULIC CATEGORISATION OF FLOODPLAIN
1% AEP**



**FLOOD EMERGENCY
RESPONSE CLASSIFICATIONS**

- Extent of Inundation
- Flooded - Isolated - Submerged
- Flooded - Isolated - Elevated
- Flooded - Exit Route - Overland Escape
- Flooded - Exit Route - Rising Road

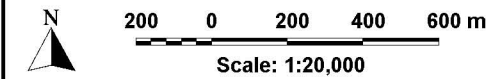
REFER SHEET 2

- LEGEND**
- Two-Dimensional Model Boundary
 - Modelled Stormwater Drainage System

**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

Figure F5
(Sheet 1 of 2)

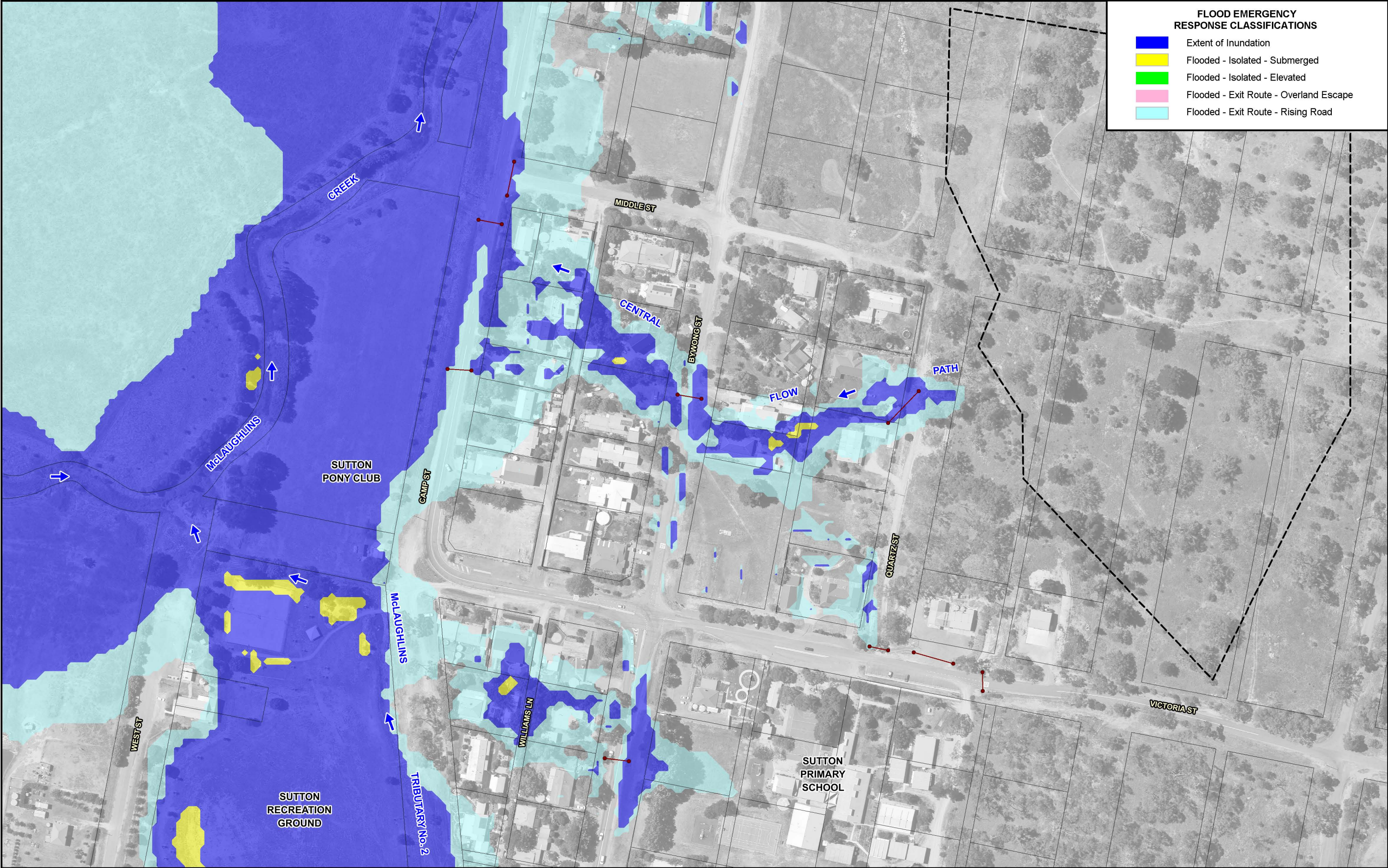
SUTTON FLOOD EMERGENCY RESPONSE CLASSIFICATION
1% AEP



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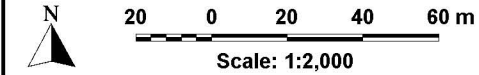
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**FLOOD EMERGENCY
RESPONSE CLASSIFICATIONS**

Blue	Extent of Inundation
Yellow	Flooded - Isolated - Submerged
Green	Flooded - Isolated - Elevated
Pink	Flooded - Exit Route - Overland Escape
Light Blue	Flooded - Exit Route - Rising Road



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Associates**

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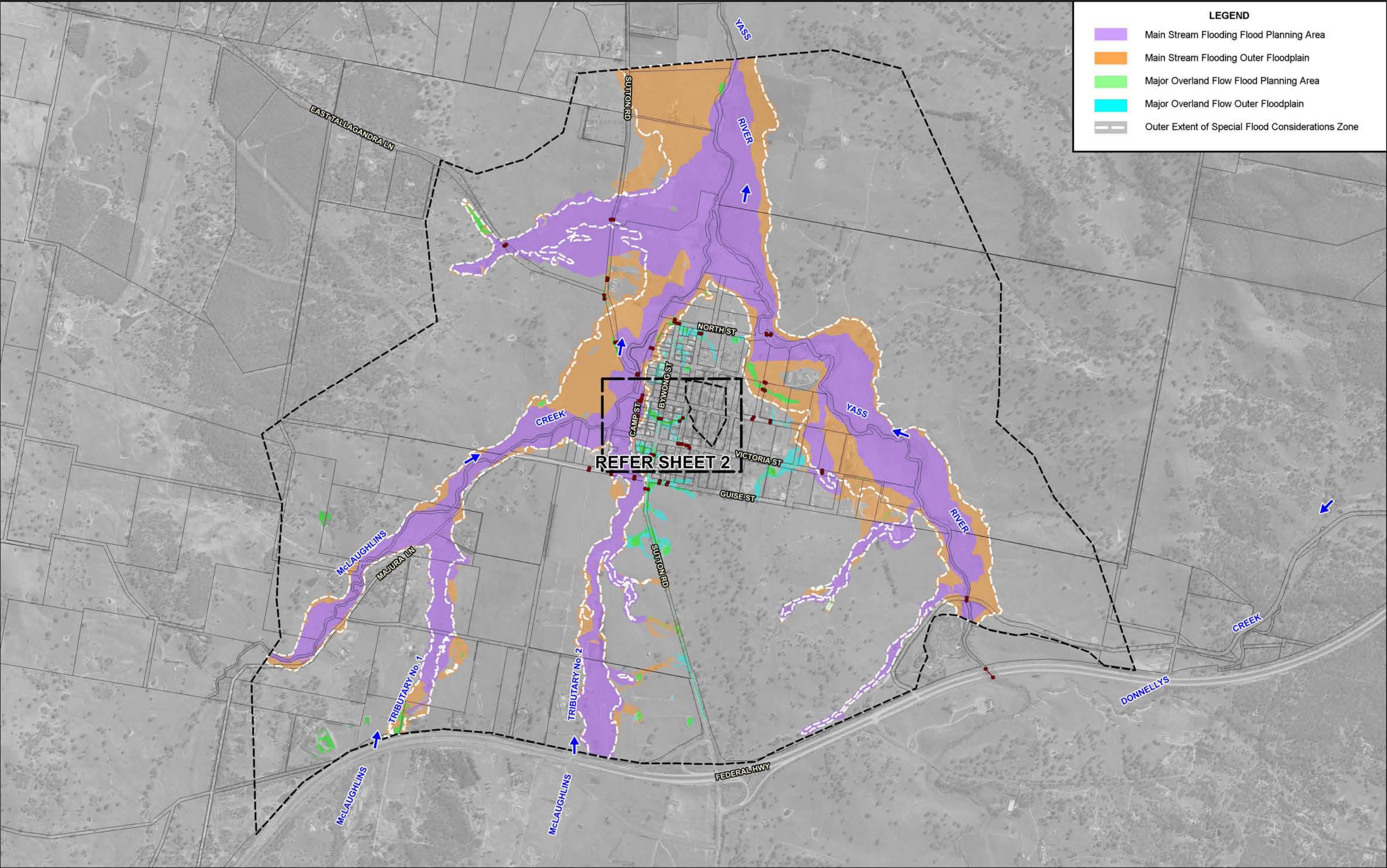
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LEGEND

--- --	Two-Dimensional Model Boundary
● — ●	Modelled Stormwater Drainage System

**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

Figure F5
(Sheet 2 of 2)
SUTTON FLOOD EMERGENCY RESPONSE CLASSIFICATION
1% AEP



LEGEND

- Main Stream Flooding Flood Planning Area
- Main Stream Flooding Outer Floodplain
- Major Overland Flow Flood Planning Area
- Major Overland Flow Outer Floodplain
- Outer Extent of Special Flood Considerations Zone

LEGEND

- Two-Dimensional Model Boundary
- Modelled Stormwater Drainage System

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MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG FLOOD STUDY

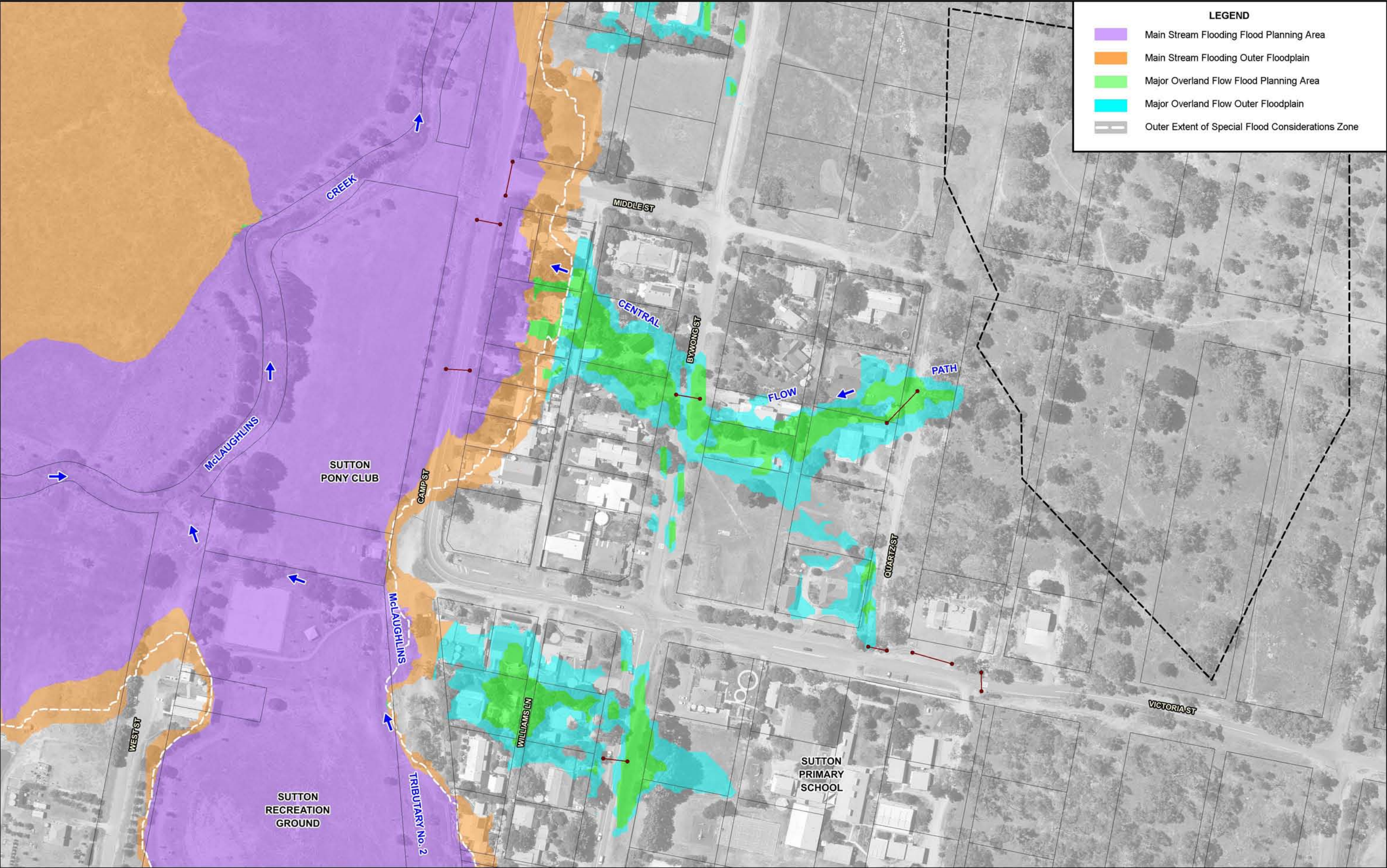
Figure F6
(Sheet 1 of 2)

EXTRACT OF YASS VALLEY FLOOD PLANNING MAP AT SUTTON

Scale: 1:20,000

200 0 200 400 600 m

Lyall & Associates



LEGEND

- Main Stream Flooding Flood Planning Area
- Main Stream Flooding Outer Floodplain
- Major Overland Flow Flood Planning Area
- Major Overland Flow Outer Floodplain
- Outer Extent of Special Flood Considerations Zone

LEGEND

- Two-Dimensional Model Boundary
- Modelled Stormwater Drainage System

MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG FLOOD STUDY

Figure F6
(Sheet 2 of 2)

EXTRACT OF YASS VALLEY FLOOD PLANNING MAP AT SUTTON

NOTE:

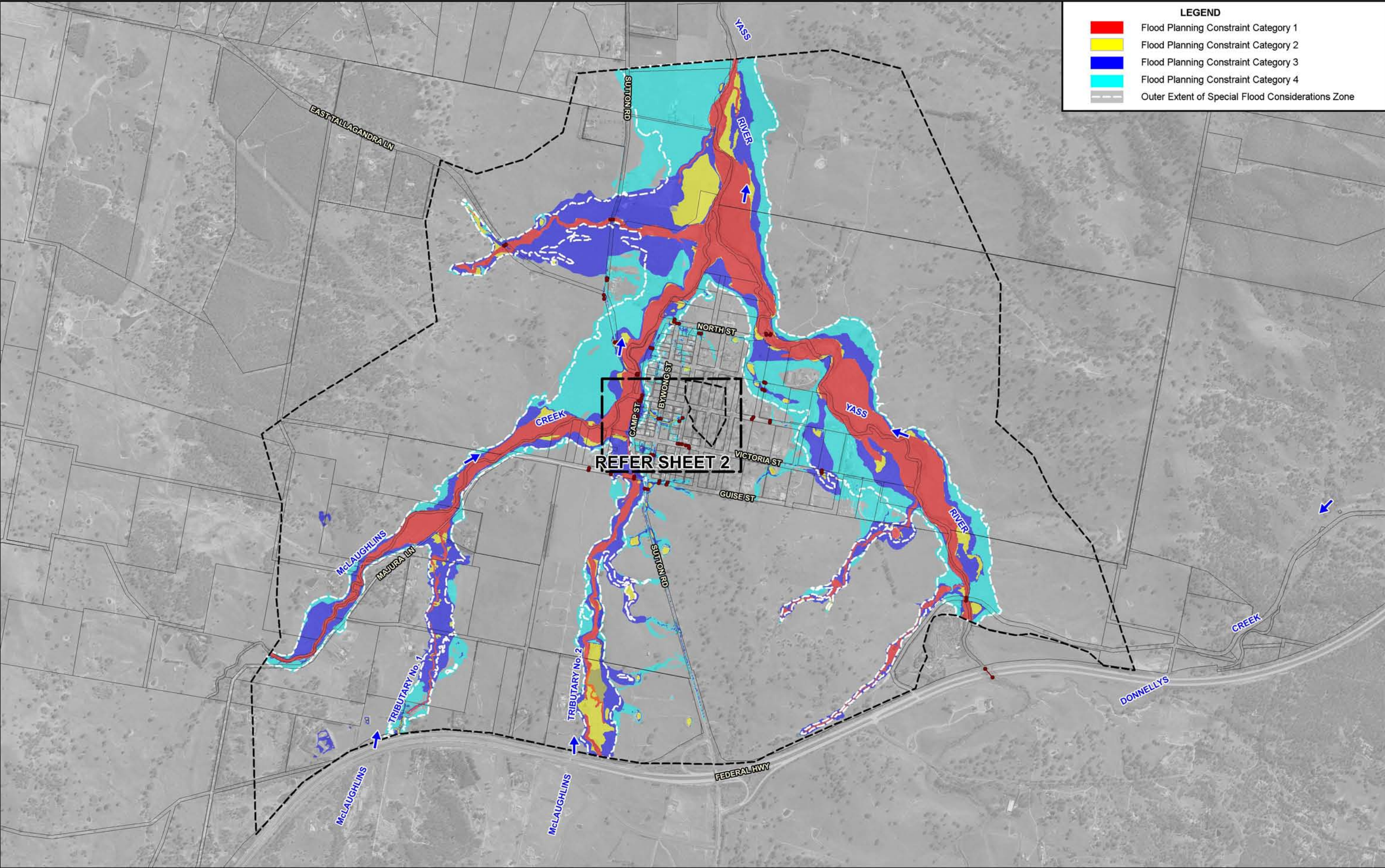
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Scale: 1:2,000

20 0 20 40 60 m

Lyall & Associates



LEGEND

- Flood Planning Constraint Category 1
- Flood Planning Constraint Category 2
- Flood Planning Constraint Category 3
- Flood Planning Constraint Category 4
- Outer Extent of Special Flood Considerations Zone

LEGEND

- Two-Dimensional Model Boundary
- Modelled Stormwater Drainage System

MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG FLOOD STUDY

Figure F7
(Sheet 1 of 2)

EXTRACT OF YASS VALLEY FLOOD PLANNING CONSTRAINT CATEGORY MAP AT SUTTON

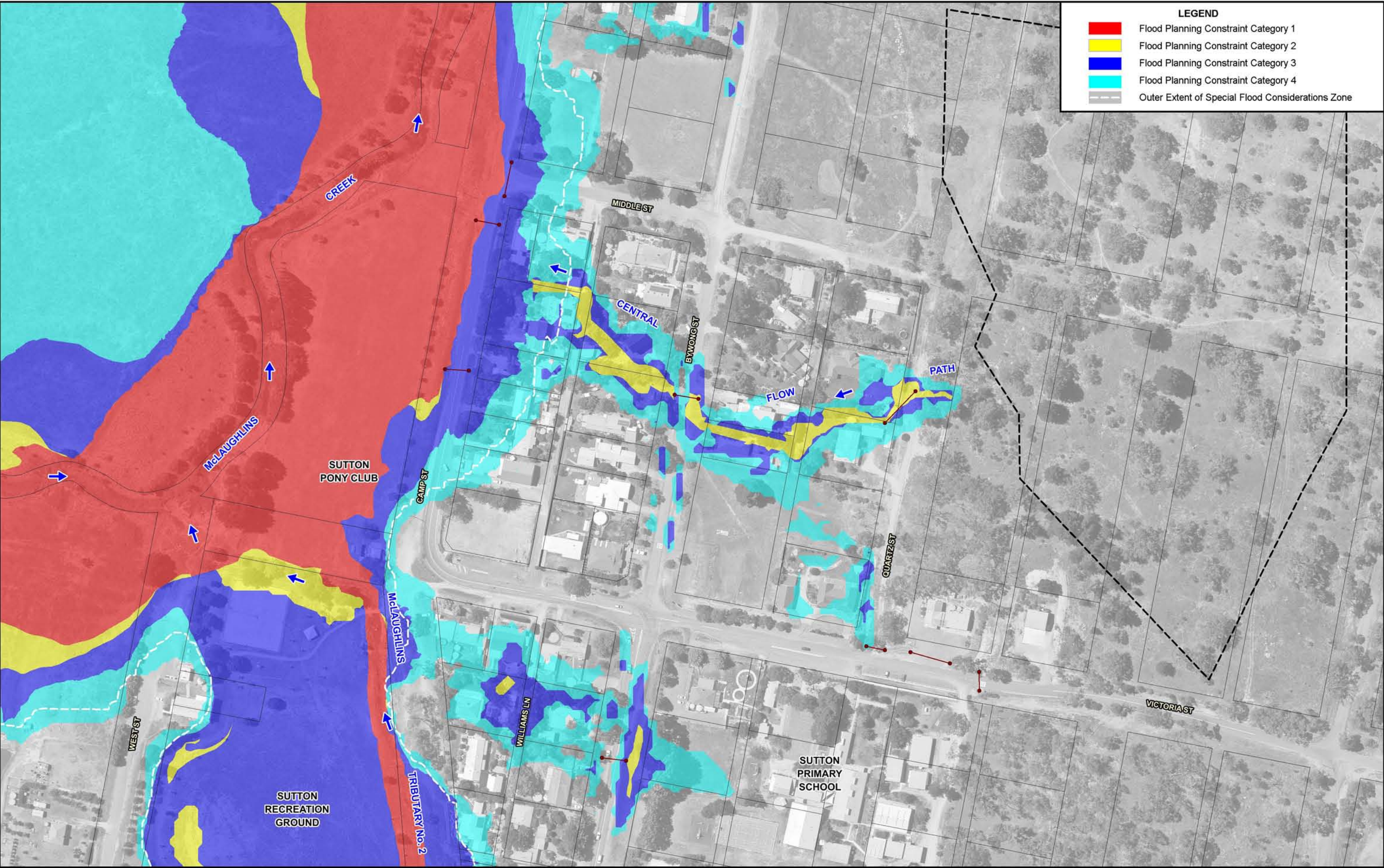
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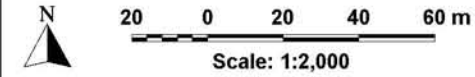
200 0 200 400 600 m

Lyall & Associates



LEGEND

- Flood Planning Constraint Category 1
- Flood Planning Constraint Category 2
- Flood Planning Constraint Category 3
- Flood Planning Constraint Category 4
- Outer Extent of Special Flood Considerations Zone



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LEGEND

- Two-Dimensional Model Boundary
- Modelled Stormwater Drainage System

**MURRUMBATEMAN, BOWNING, BOOKHAM AND BINALONG
FLOOD STUDY**

Figure F7
(Sheet 2 of 2)

