



Wyong River Catchment Floodplain Risk Management Study & Draft Plan

Final Report
Volume 2 of 2: Figures



▶ FIGURES

- Figure 1: Wyong River Catchment
- Figure 2: Environmental and Heritage Constraints
- Figure 3: Ground Surface Elevations

Map Set A – The Existing Flood Risk

- Figure A1: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood
- Figure A2: Peak Floodwater Depths, Velocities & Levels for the 5% AEP Flood
- Figure A3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood
- Figure A4: Peak Floodwater Depths, Velocities & Levels for the PMF
- Figure A5: Flood Hazard for the 1% AEP Flood
- Figure A6: Flood Hazard for the PMF
- Figure A7: Emergency Response Classifications for the 1% AEP Flood
- Figure A8: Emergency Response Classifications for the PMF
- Figure A9: 1% AEP Hydraulic Categories
- Figure A10: PMF Hydraulic Categories
- Figure A11: Flood Planning Area
- Figure A12: Existing Flood Risk for the 20% AEP Event
- Figure A13: Existing Flood Risk for the 5% AEP Event
- Figure A14: Existing Flood Risk for the 1% AEP Event
- Figure A15: Existing Flood Risk for the PMF Event
- Figure A16: Peak 1% AEP Flood Extent with 15% increase in Rainfall & 0.4m Increase in Tuggerah Lake Level
- Figure A17: Peak 1% AEP Flood Extent with 30% increase in Rainfall & 0.9m Increase in Tuggerah Lake Level
- Figure A18: Hydrological Infrastructure used for Wyong River Flood Warning System

Map Set B – Mardi Creek Detention Basin

- Figure B1: Conceptual Layout for Mardi Creek Detention Basin
- Figure B2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Mardi Creek Detention Basin
- Figure B3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Mardi Creek Detention Basin
- Figure B4: Flood Level Difference Mapping for the 20% AEP Flood with Mardi Creek Detention Basin
- Figure B5: Flood Level Difference Mapping for the 1% AEP Flood with Mardi Creek Detention Basin

Map Set C – Anzac Road Levee

- Figure C1: Conceptual Layout for Anzac Road Levee
- Figure C2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Anzac Road Levee
- Figure C3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Anzac Road Levee
- Figure C4: Flood Level Difference Mapping for the 20% AEP Flood with Anzac Road Levee
- Figure C5: Flood Level Difference Mapping for the 1% AEP Flood with Anzac Road Levee

Map Set D – Mardi Creek Relief Floodway

- Figure D1: Conceptual Layout for Mardi Creek Relief Floodway
- Figure D2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Mardi Creek Floodway
- Figure D3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Mardi Creek Floodway
- Figure D4: Flood Level Difference Mapping for the 20% AEP Flood with Mardi Creek Floodway
- Figure D5: Flood Level Difference Mapping for the 1% AEP Flood with Mardi Creek Floodway



[Map Set E – South Tacoma Relief Floodway](#)

- Figure E1: Conceptual Layout for South Tacoma Relief Floodway
- Figure E2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with South Tacoma Floodway
- Figure E3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with South Tacoma Floodway
- Figure E4: Flood Level Difference Mapping for the 20% AEP Flood with South Tacoma Floodway
- Figure E5: Flood Level Difference Mapping for the 1% AEP Flood with South Tacoma Floodway

[Map Set F – Vegetation Removal across Lower Floodplain](#)

- Figure F1: Extent of Potential Vegetation Removal
- Figure F2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Vegetation Removed
- Figure F3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Vegetation Removed
- Figure F4: Flood Level Difference Mapping for the 20% AEP Flood with Vegetation Removed
- Figure F5: Flood Level Difference Mapping for the 1% AEP Flood with Vegetation Removed

[Map Set G – Mardi Creek Debris Control Structures](#)

- Figure G1: Potential Location of Debris Control Structures
- Figure G2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Debris Control Structures
- Figure G3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Debris Control Structures
- Figure G4: Flood Level Difference Mapping for the 20% AEP Flood with Debris Control Structures
- Figure G5: Flood Level Difference Mapping for the 1% AEP Flood with Debris Control Structures

[Map Set H – Wyong River Dredging](#)

- Figure H1: Extent of Potential Wyong River Dredging
- Figure H2: Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Dredging
- Figure H3: Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Dredging
- Figure H4: Flood Level Difference Mapping for the 20% AEP Flood with Dredging
- Figure H5: Flood Level Difference Mapping for the 1% AEP Flood with Dredging

[Map Set I – Property Modification Options](#)

- Figure I1: Location of Houses Potentially Eligible for Voluntary Purchase
- Figure I2: Location of Houses Potentially Eligible for Voluntary Raising
- Figure I3: Location of Houses Potentially Eligible for Voluntary Flood Proofing
- Figure I4: Areas Where Exceptional Circumstances Could Be Considered
- Figure I5: Areas Where Shelter-In-Place Controls Could Be Considered within the Flood Planning Area

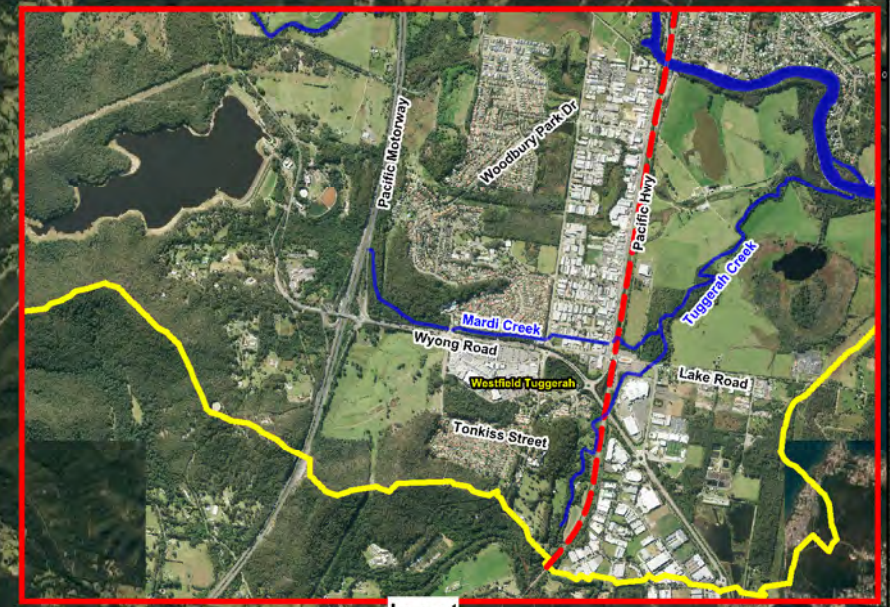
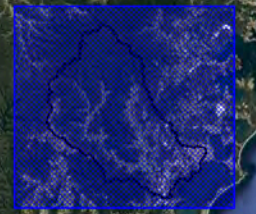
[Map Set J – Response Modification Options](#)

- Figure J1: Critical Roadway Overtopping Locations
- Figure J2: Potential Flood Gate Locations

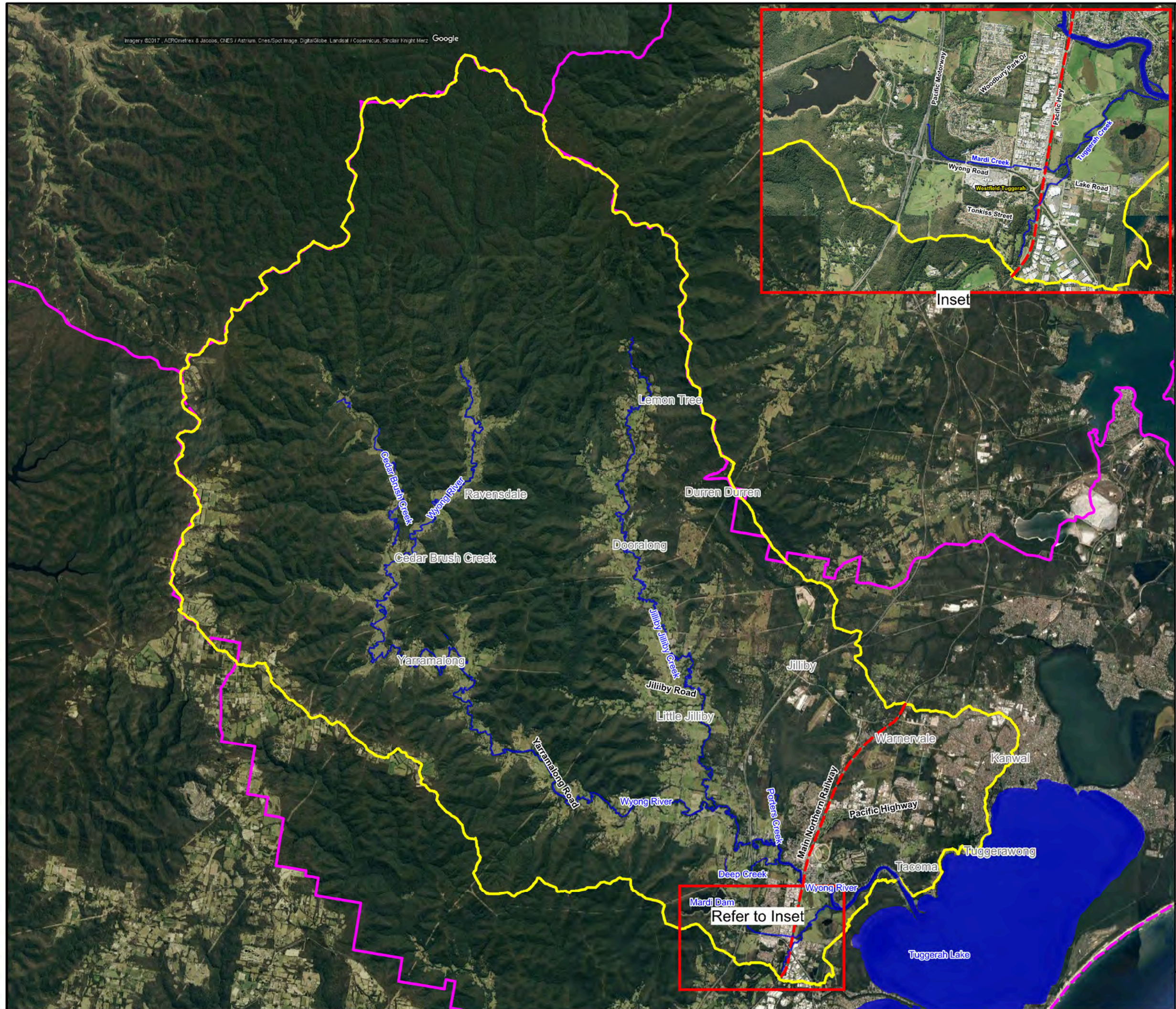
[Map Set K – Draft Floodplain Risk Management Plan](#)

- Figure K1: Wyong River Catchment Floodplain Risk Management Plan





Inset




LEGEND

-  Catchment Boundary
-  LGA Boundary
-  Waterway




Scale 1:120,000 (at A3)



0 2.5 5.0 Km







**Figure 1:
Wyong River
Catchment**

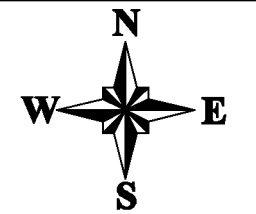
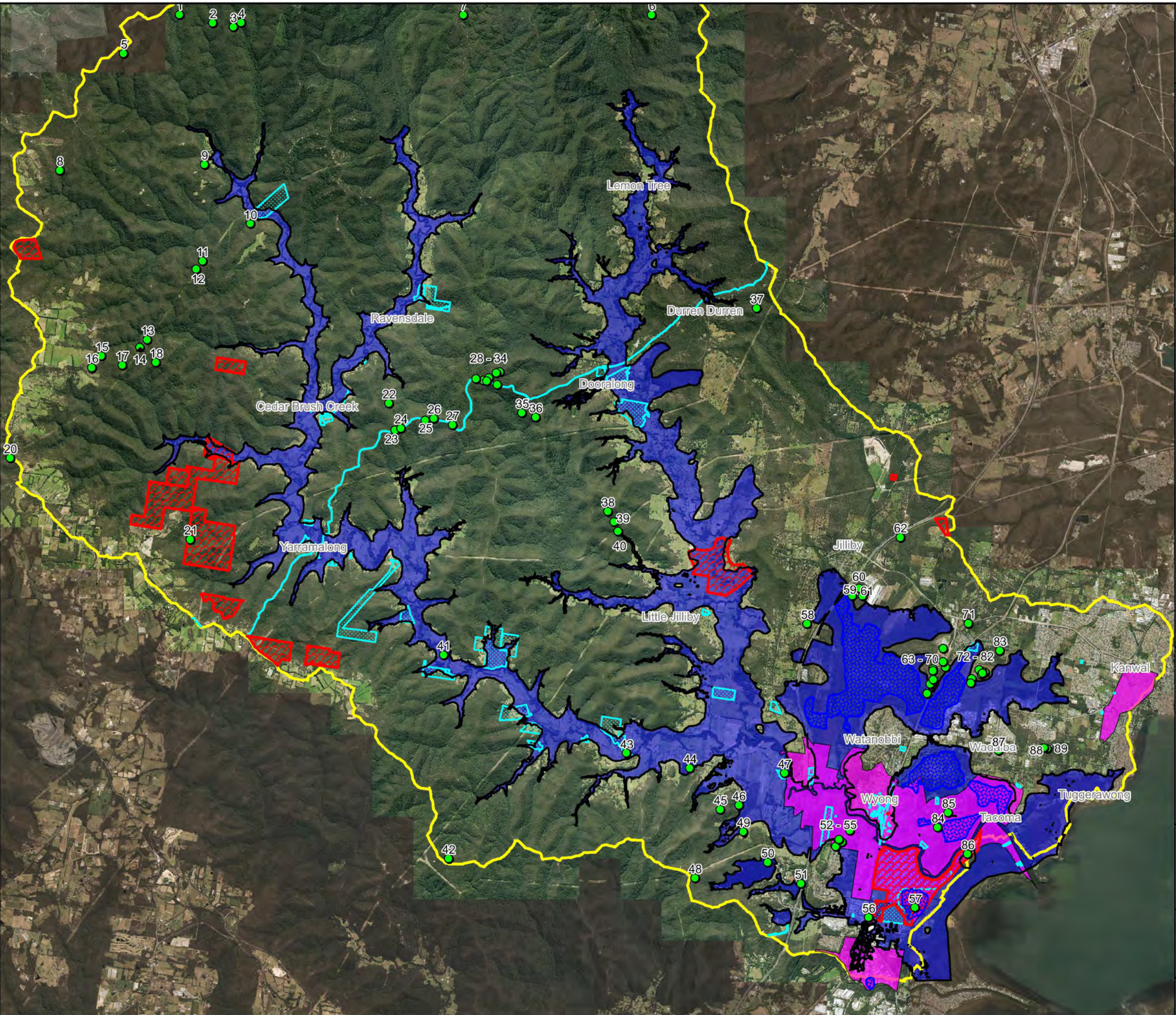
Prepared By:
 **Catchment Simulation Solutions**
 Suite 2.01, 210 George St
 Sydney, NSW 2000

File Name: Fig1 - Wyong River
 Catchment.wor




LEGEND

-  PMF Extent
-  Heritage Site
-  SEPP14 Coastal Wetlands
-  SEPP71 Coastal Protection
-  Aboriginal Land Claims
-  Aboriginal Heritage Site



Scale 1:90,000 (at A3)
0 2.0 4.0
Km

**Figure 2:
Environmental and
Heritage Constraints**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig2 - Environmental and
Heritage Constraints.wor



Figure Extent

LEGEND


DEM (mAHD)

| |
|--------|
| 0 |
| 10 |
| 20 |
| 40 |
| 60 |
| 80 |
| 100 |
| 150 |
| 200 |
| 250 |
| >= 300 |

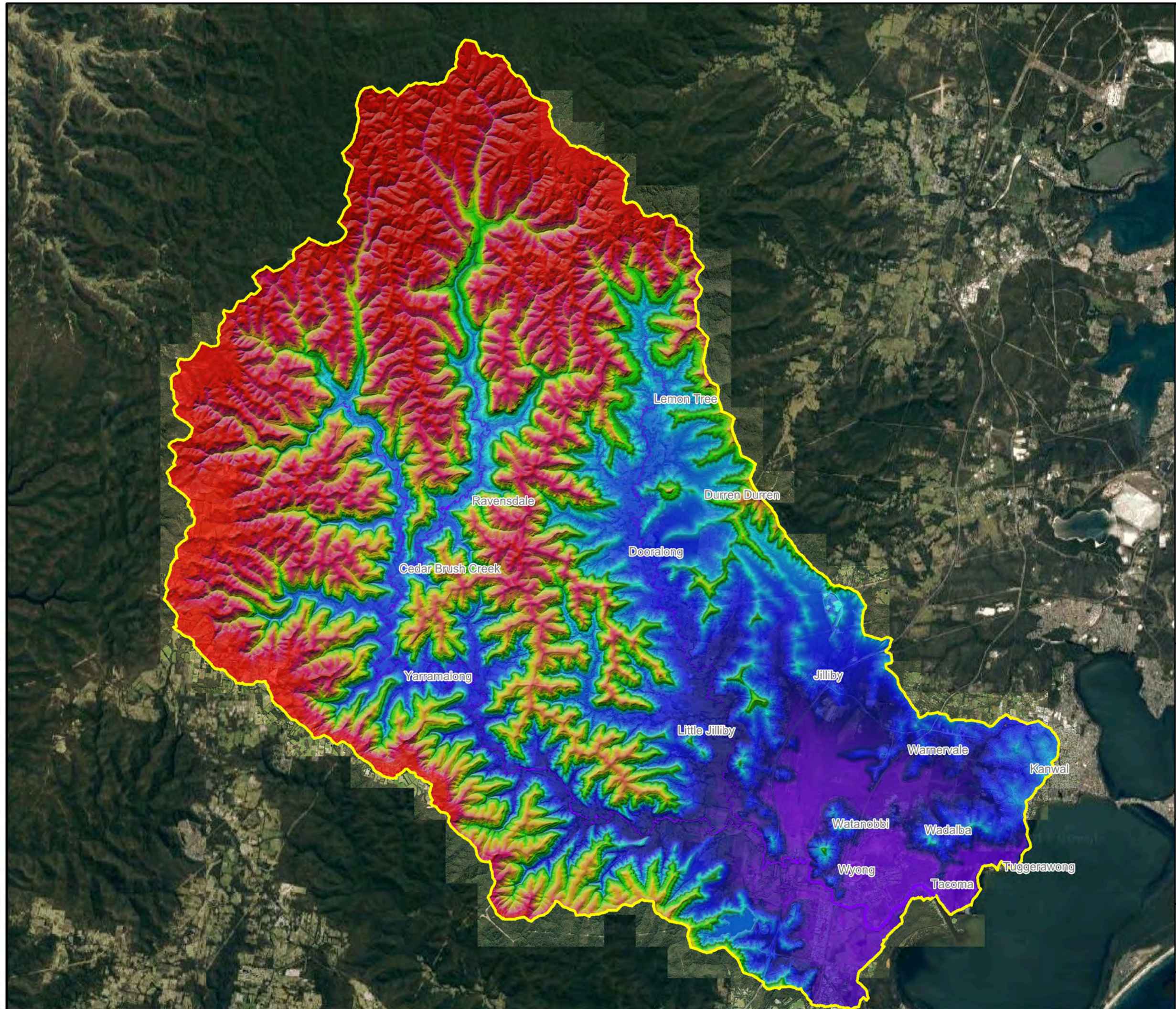


Scale 1:120,000 (at A3)
0 2.5 5.0
Km

**Figure 3:
Ground Surface
Elevations**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

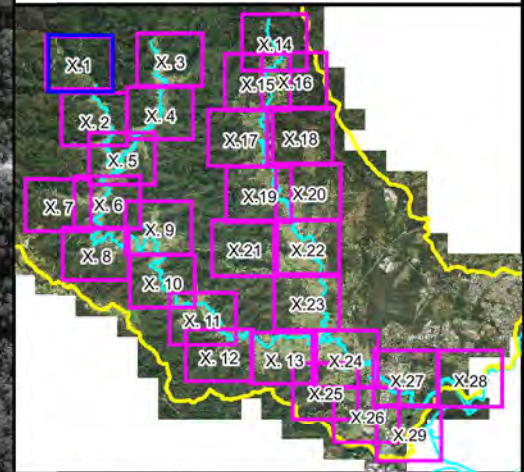
File Name: Fig3 - Ground Surface
Elevation.wor



MAP SET A

THE EXISTING FLOODING RISK





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

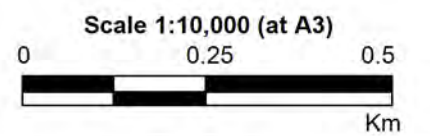
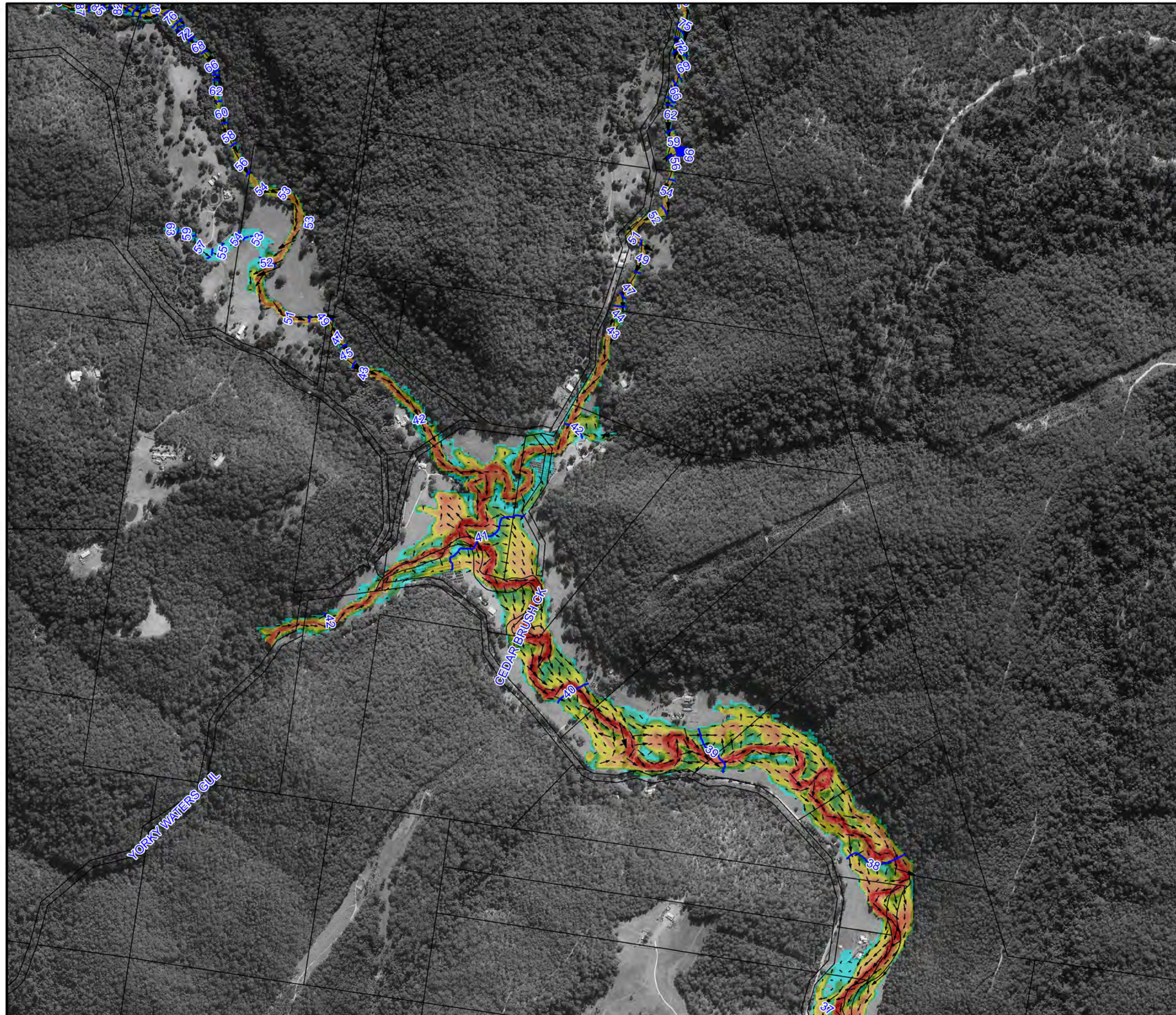
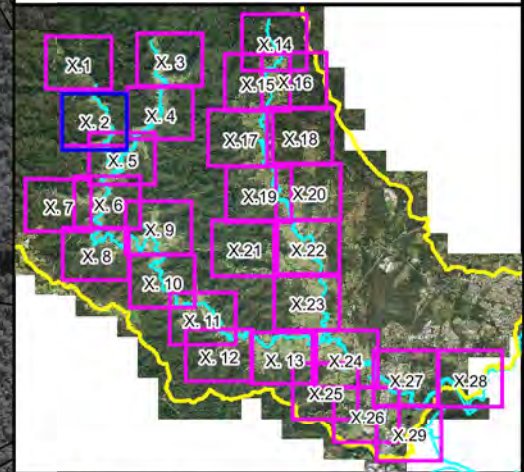


Figure A1.1:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.1 Peak Flood
Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

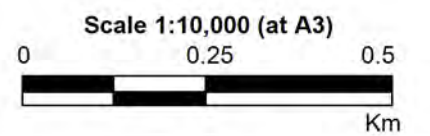
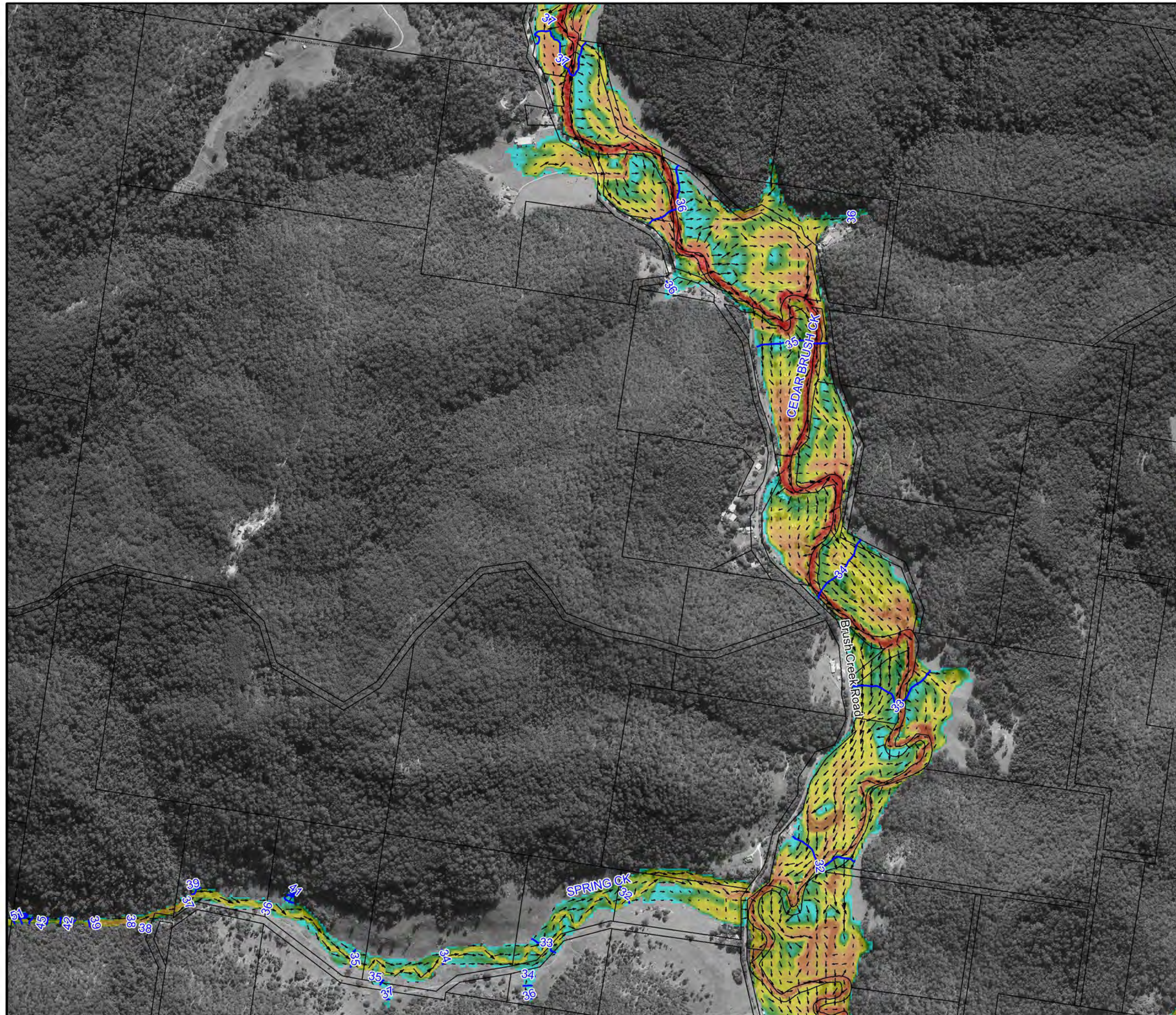
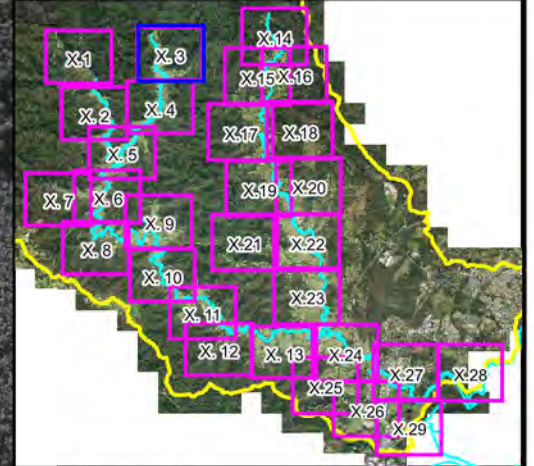


Figure A1.2:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.2 Peak Flood
Depths 20% AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

- ≤ 0.2
- 0.5
- 1.0
- 2.0
- 3.0

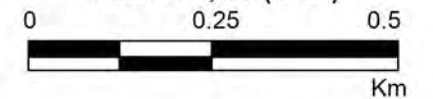
Velocity Vector (m/s)

- 1 m/s
- 2 m/s
- 4 m/s

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

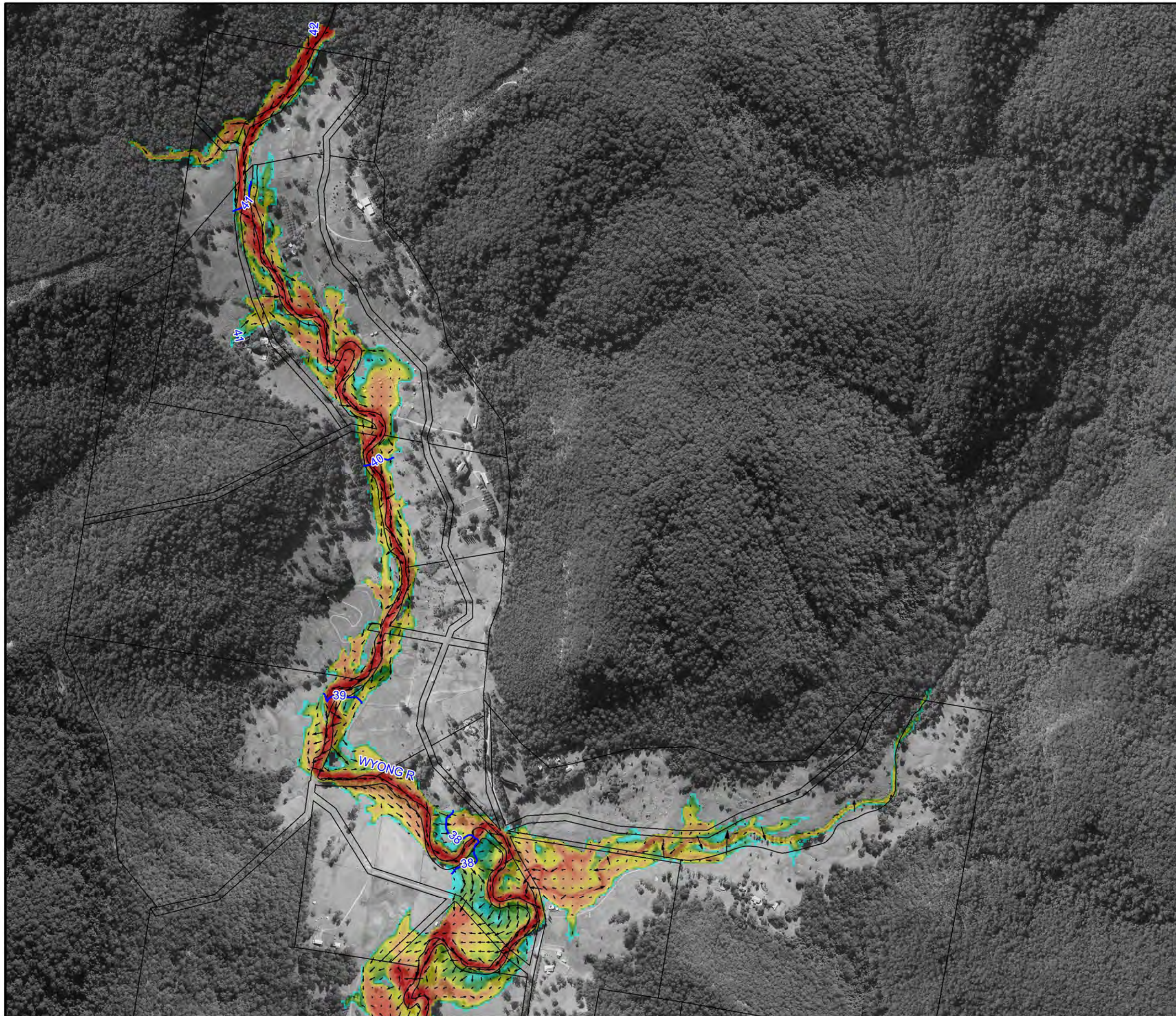


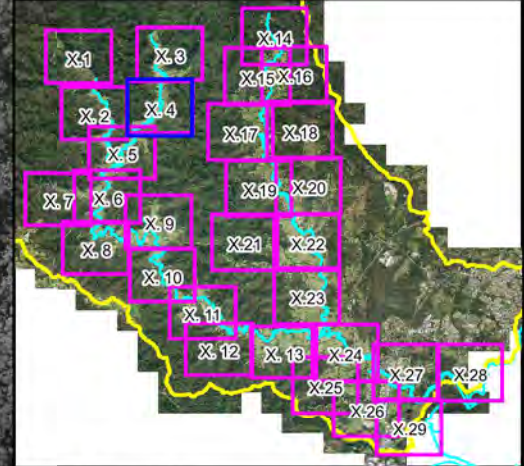
**Figure A1.3:
Peak Floodwater Depths,
Velocities and Levels
for the 20%AEP Flood**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.3 Peak Flood
Depths 20%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

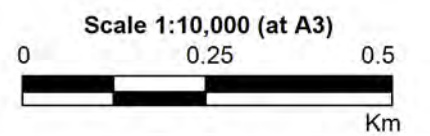
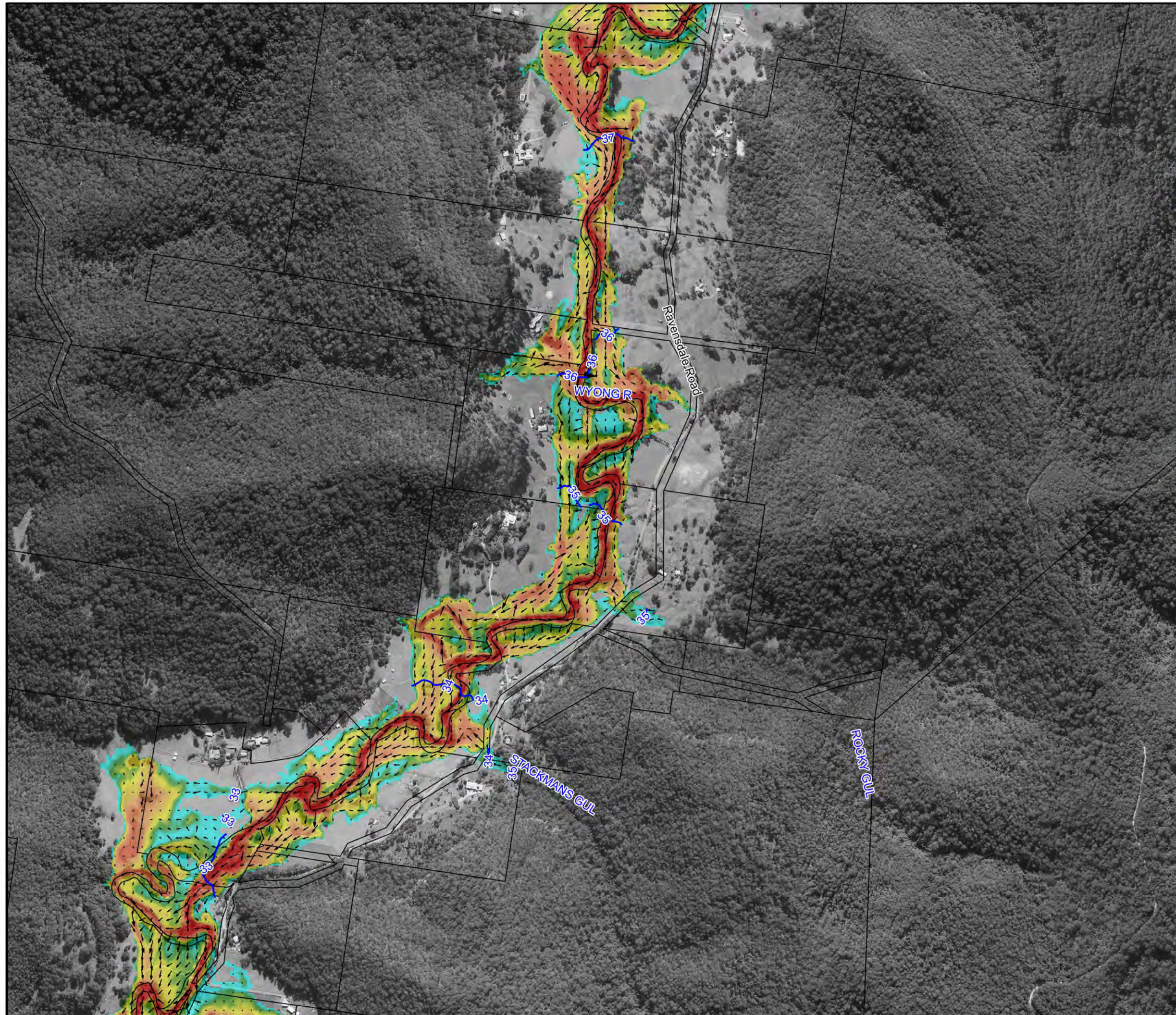
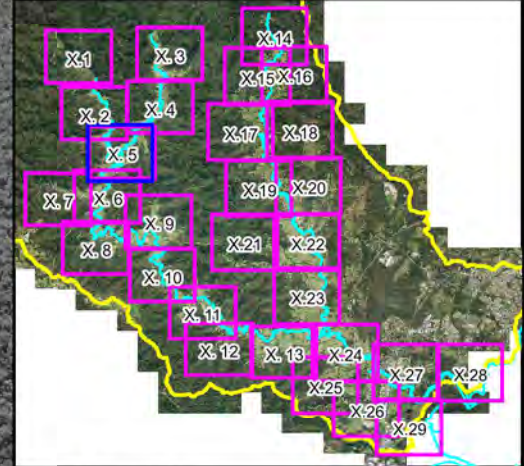


Figure A1.4:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.4 Peak Flood
Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

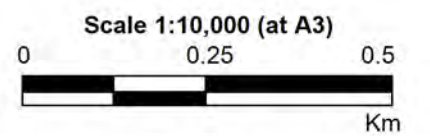
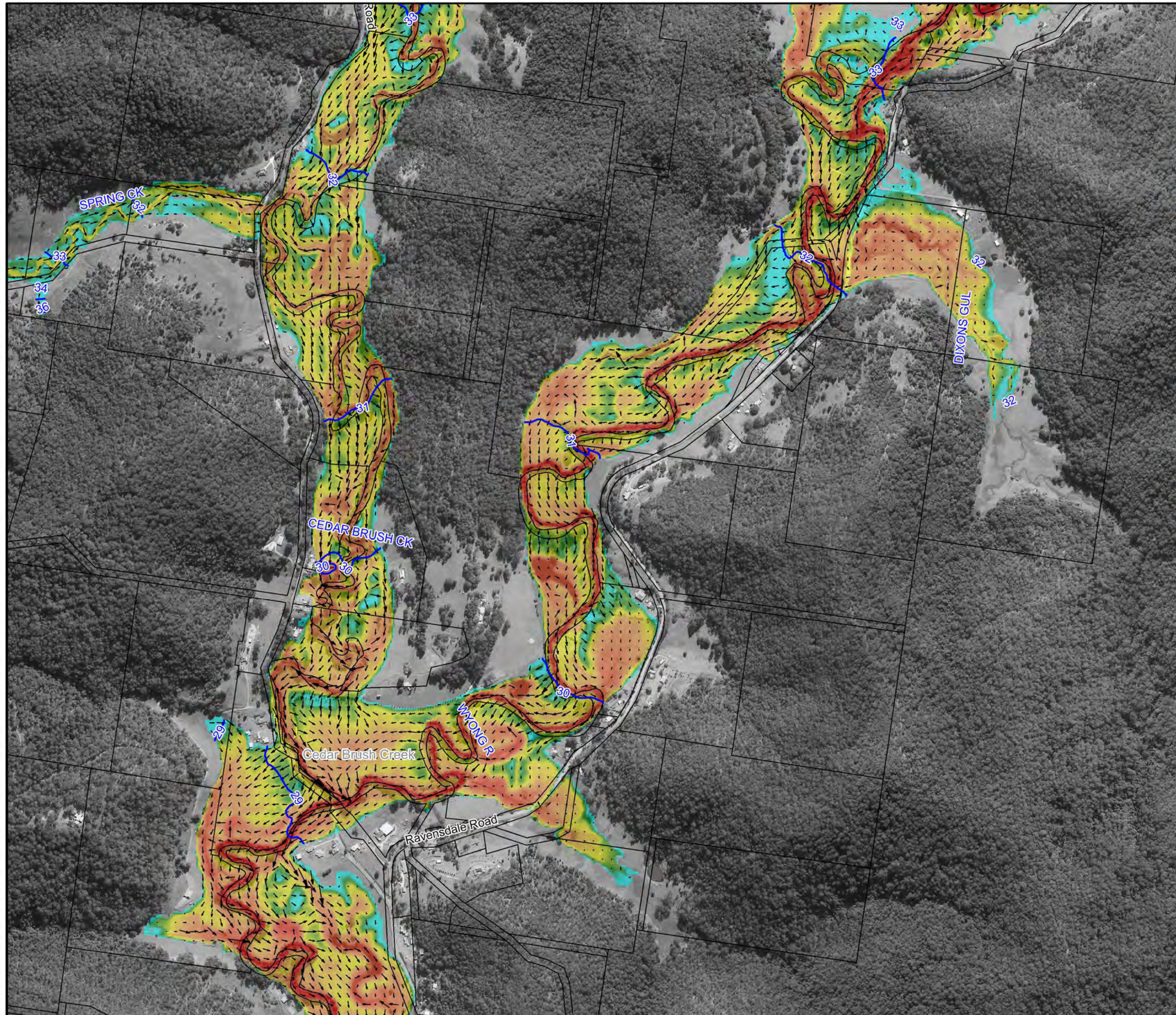
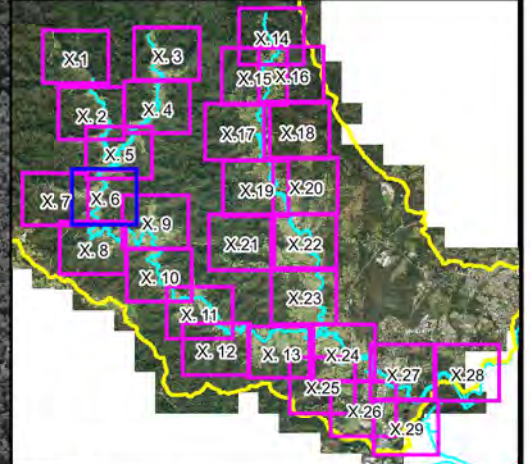


Figure A1.5:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.5 Peak Flood
Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

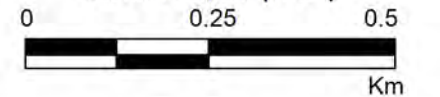
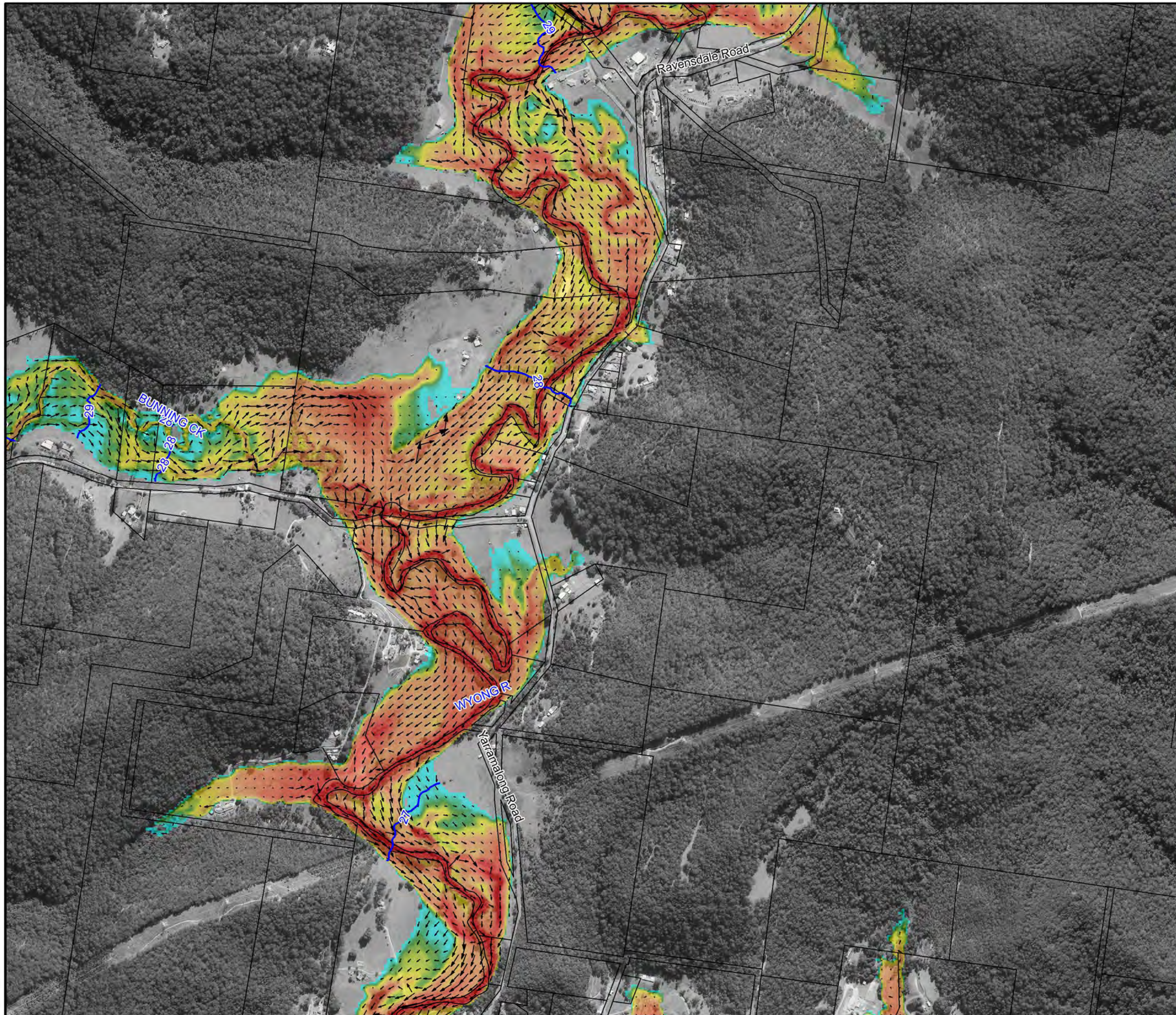


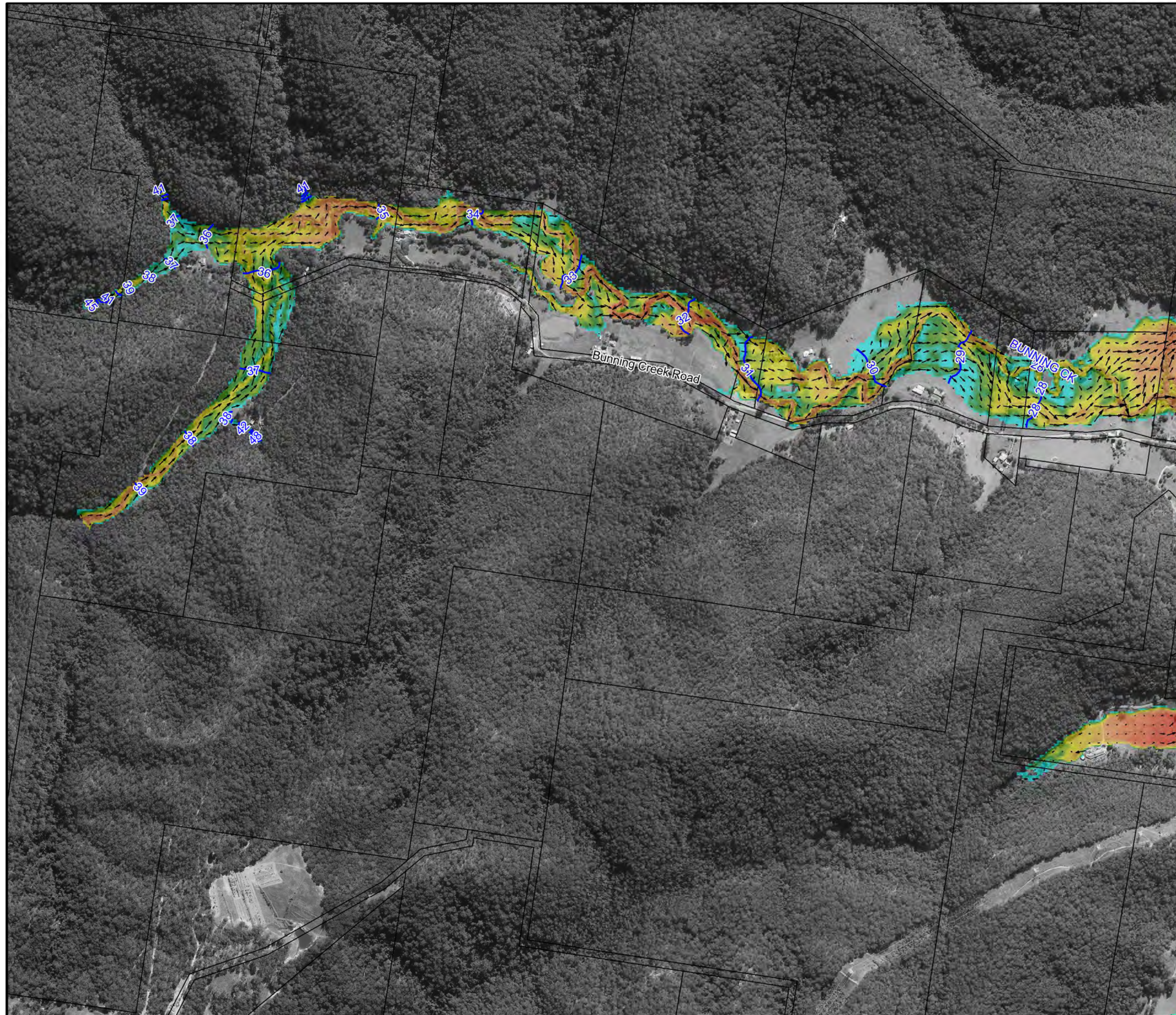
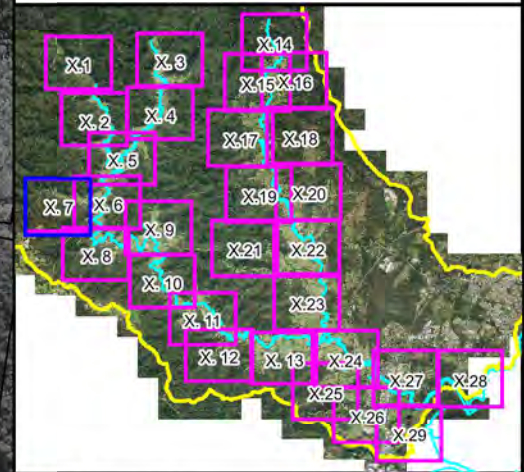
Figure A1.6:
Peak Floodwater Depths,
Velocities and Levels
for the 20%AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.6 Peak Flood
Depths 20%AEP.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|---|---|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

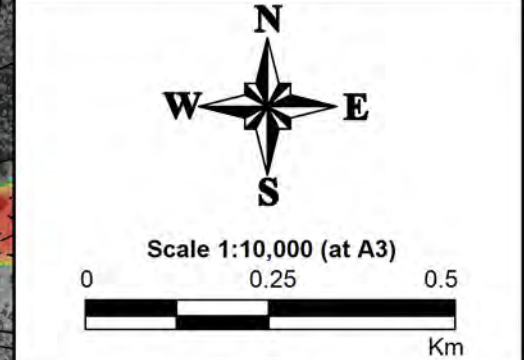
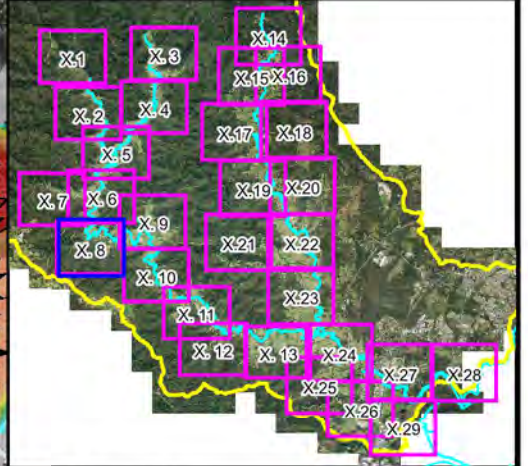


Figure A1.7:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.7 Peak Flood Depths 20% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

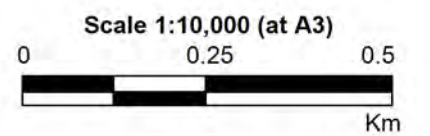
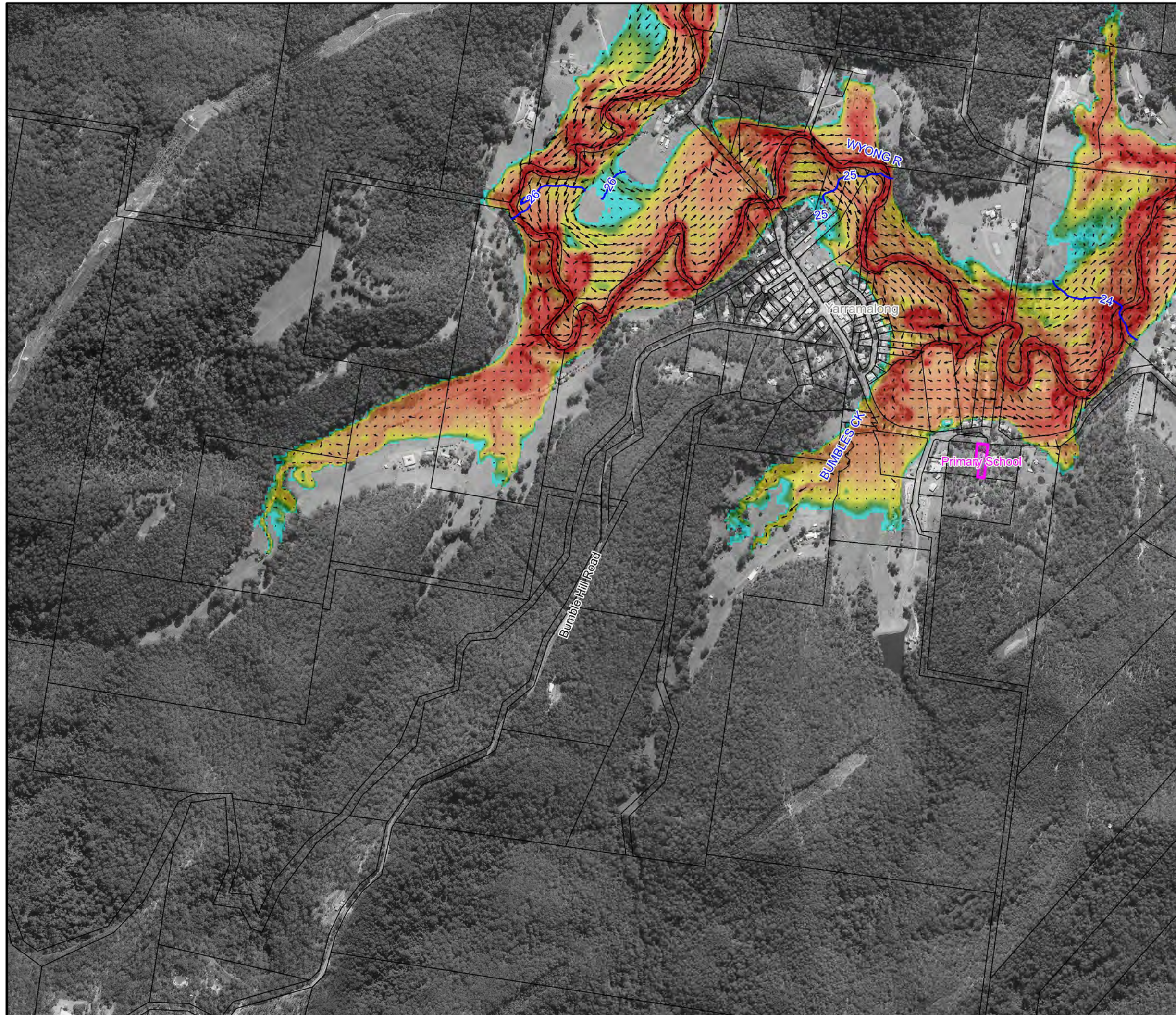
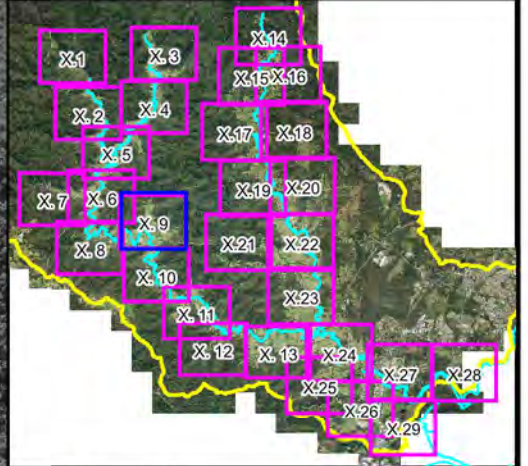
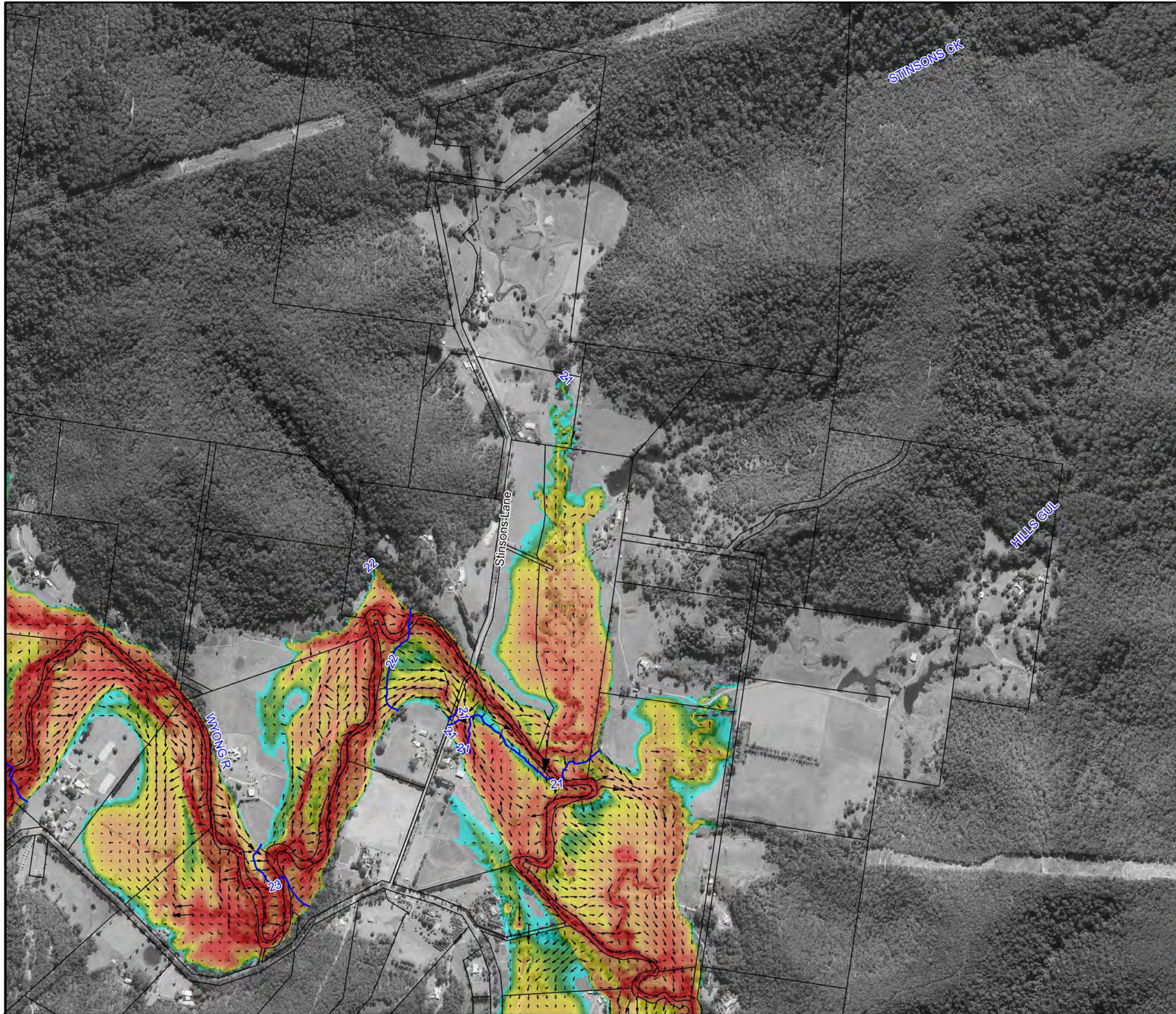


Figure A1.8:
Peak Floodwater Depths, Velocities and Levels for the 20%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.8 Peak Flood Depths 20%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

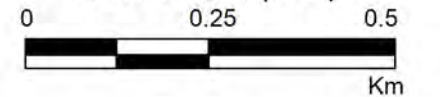
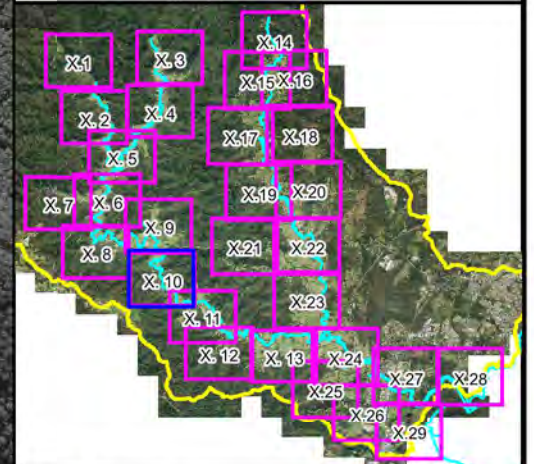


Figure A1.9:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.9 Peak Flood
Depths 20% AEP.wor



LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

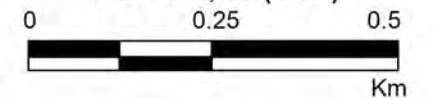
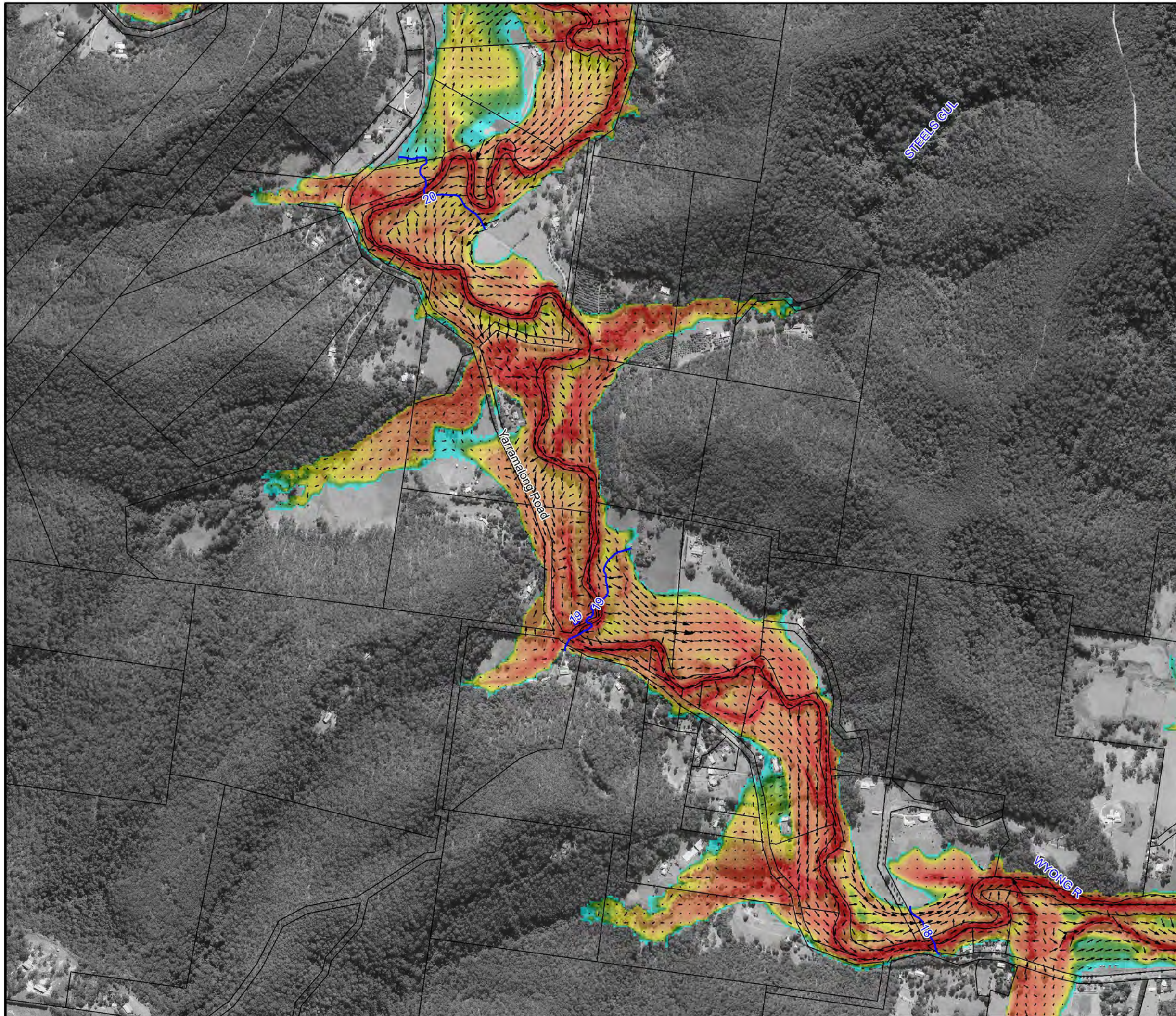
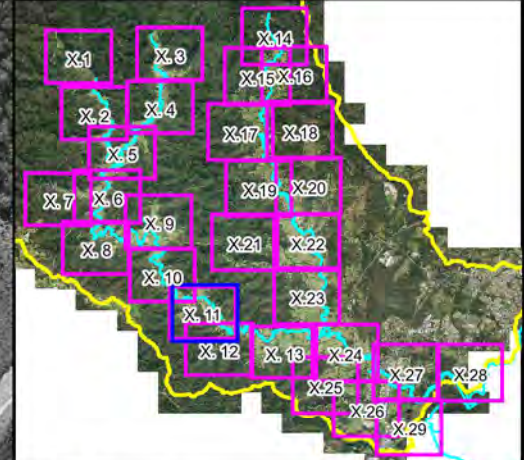


Figure A1.10:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.10 Peak Flood
Depths 20% AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

| | |
|--|--------|
| | <= 0.2 |
| | 0.5 |
| | 1.0 |
| | 2.0 |
| | 3.0 |

Velocity Vector (m/s)

| | |
|--|-------|
| | 1 m/s |
| | 2 m/s |
| | 4 m/s |

Notes:
Aerial photograph dated 2014

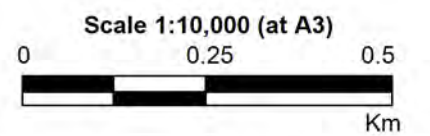
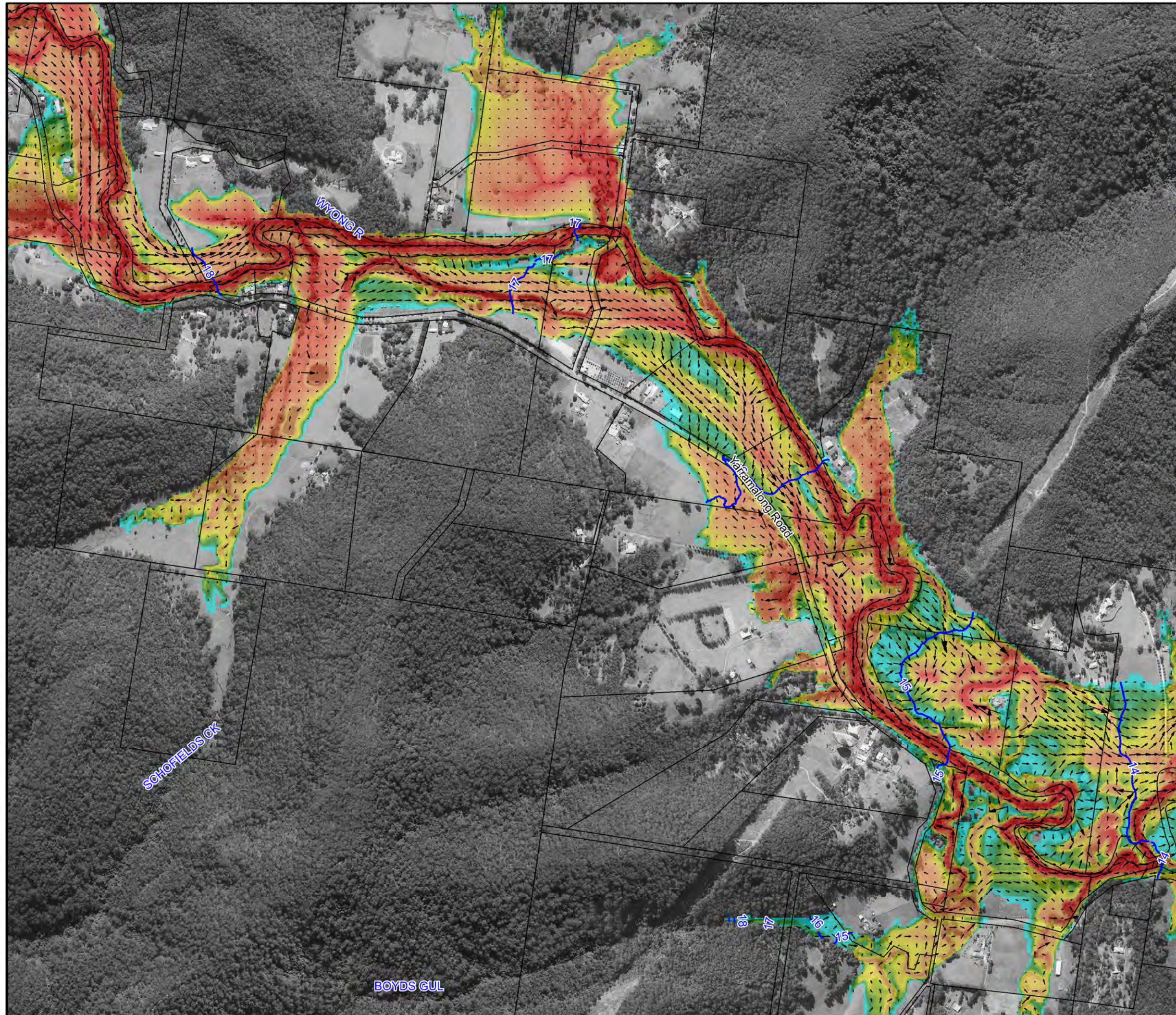
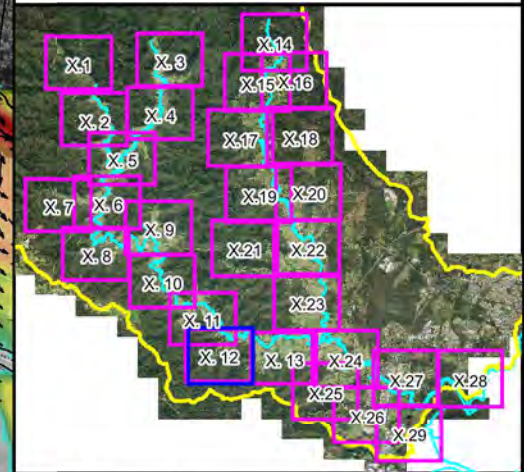


Figure A1.11:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.11 Peak Flood Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

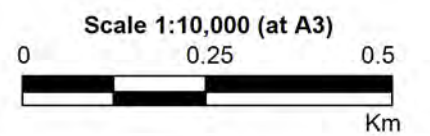
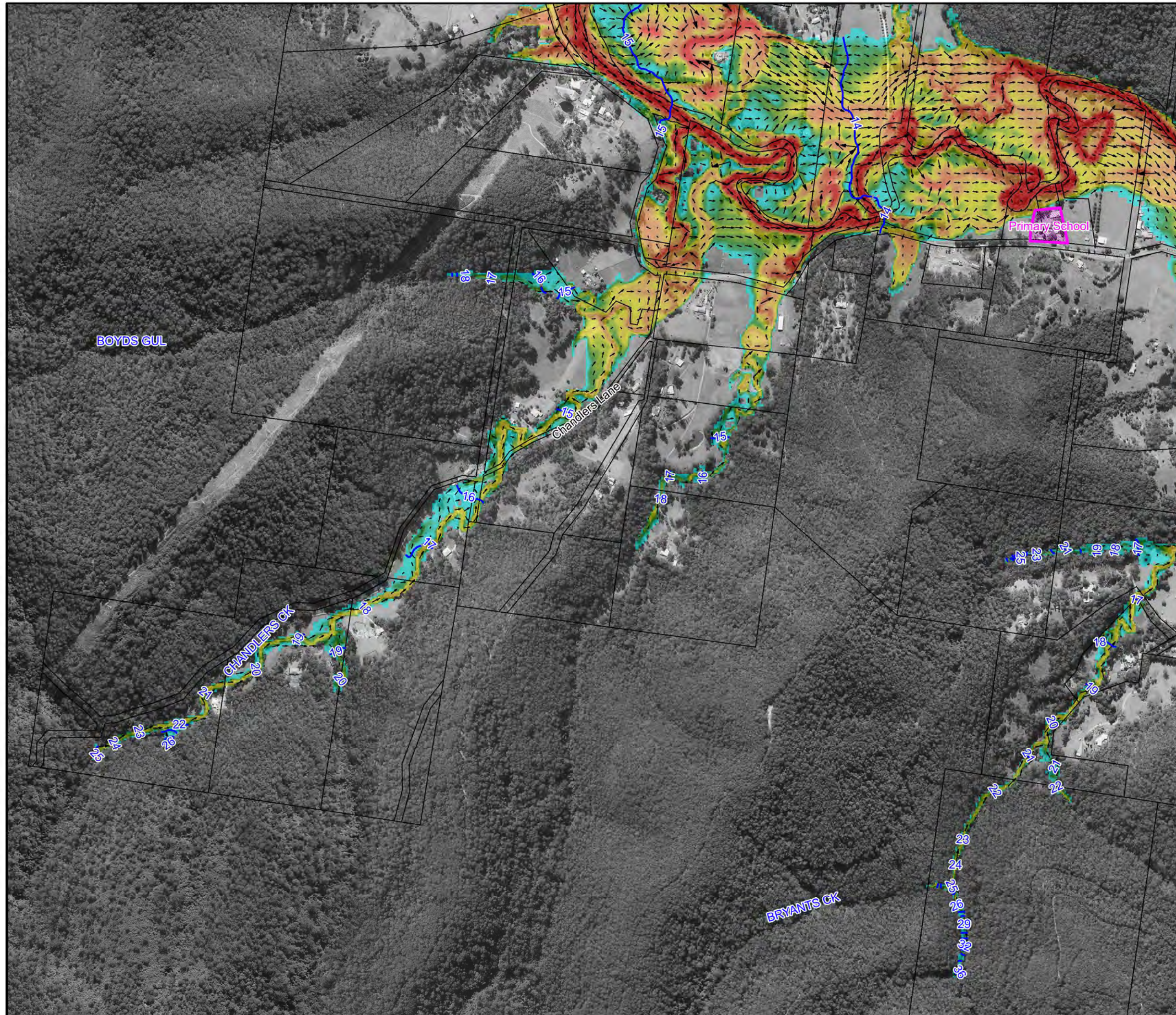
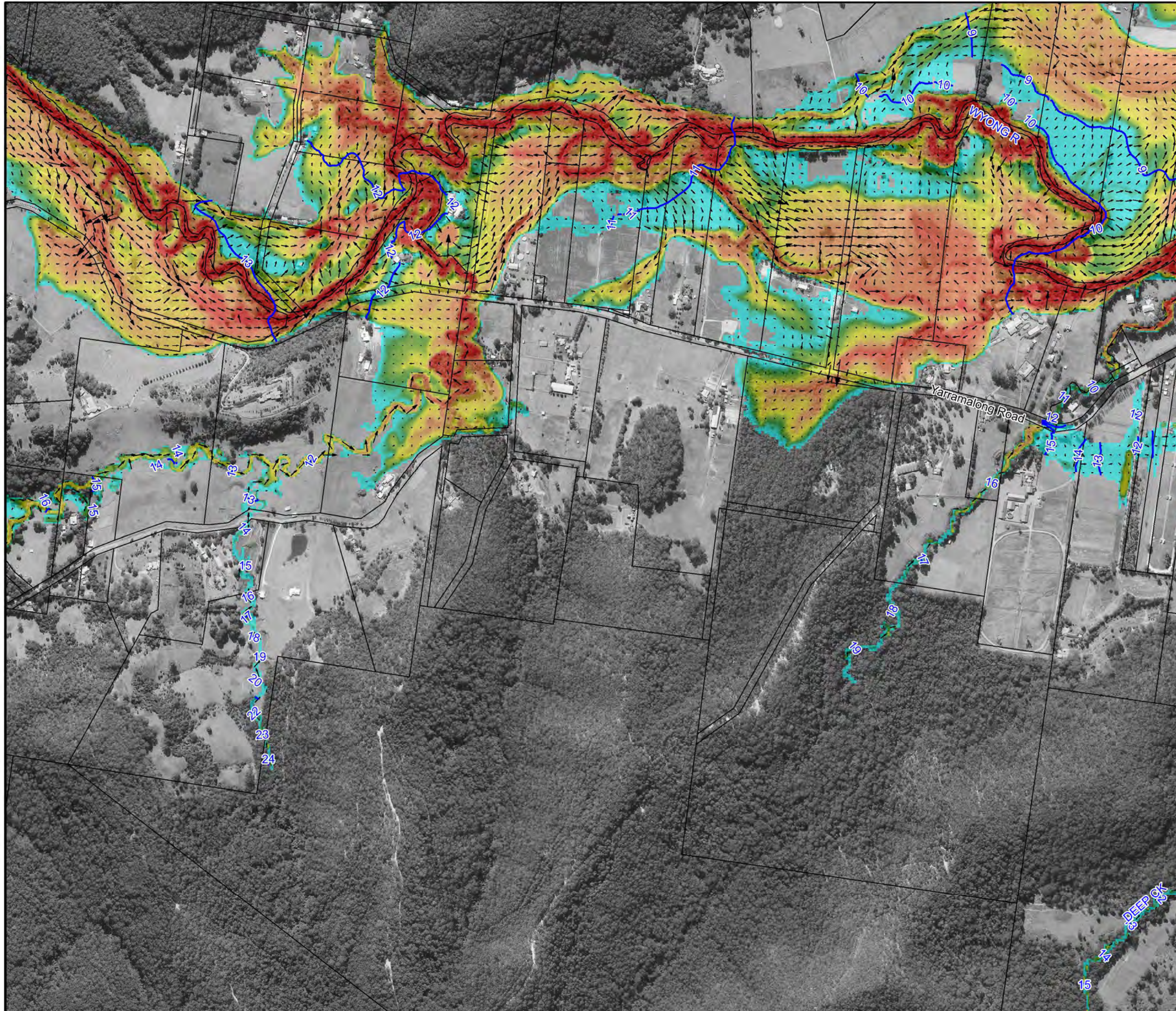
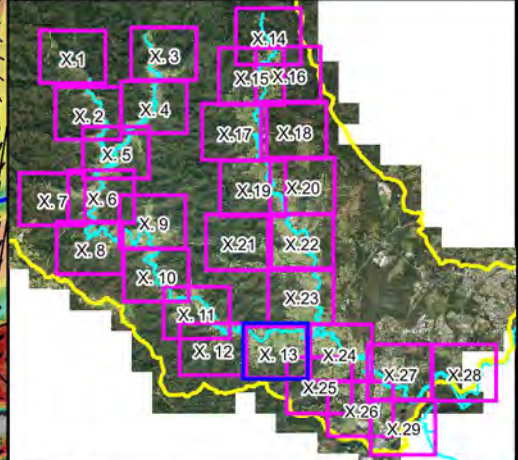


Figure A1.12:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.12 Peak Flood
Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHd)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

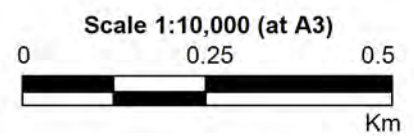
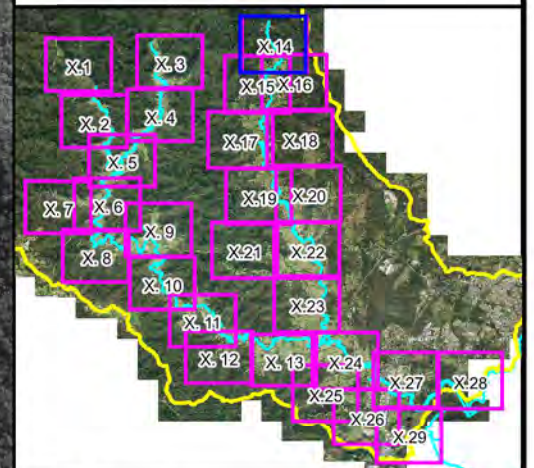


Figure A1.13:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.13 Peak Flood Depths 20% AEP.wor



LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | 4 m/s |
| 3.0 | |

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

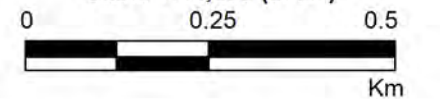
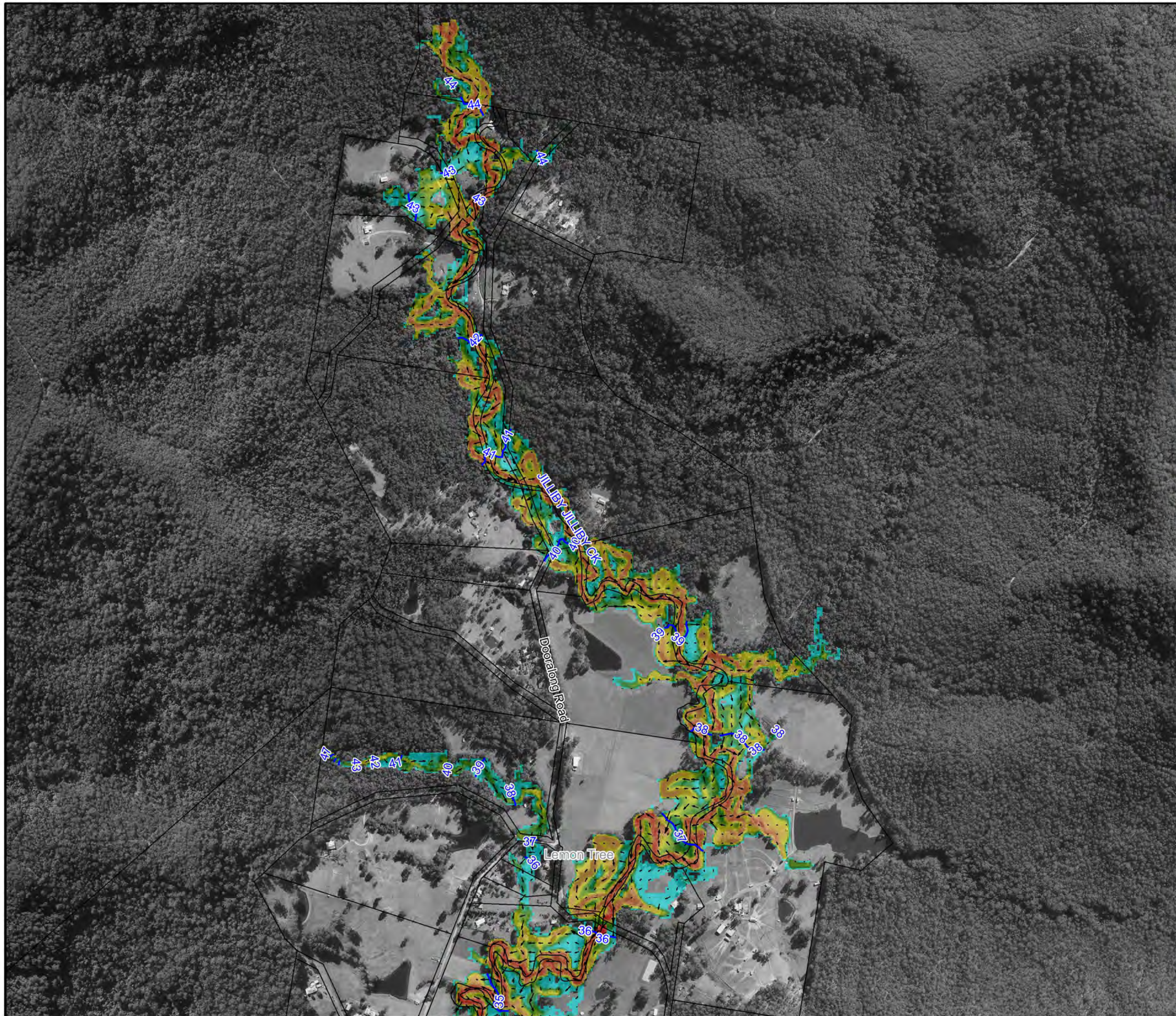
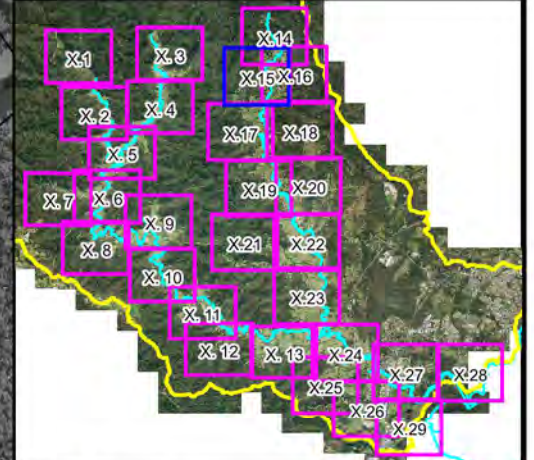


Figure A1.14:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.14 Peak Flood
Depths 20% AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

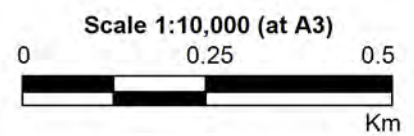
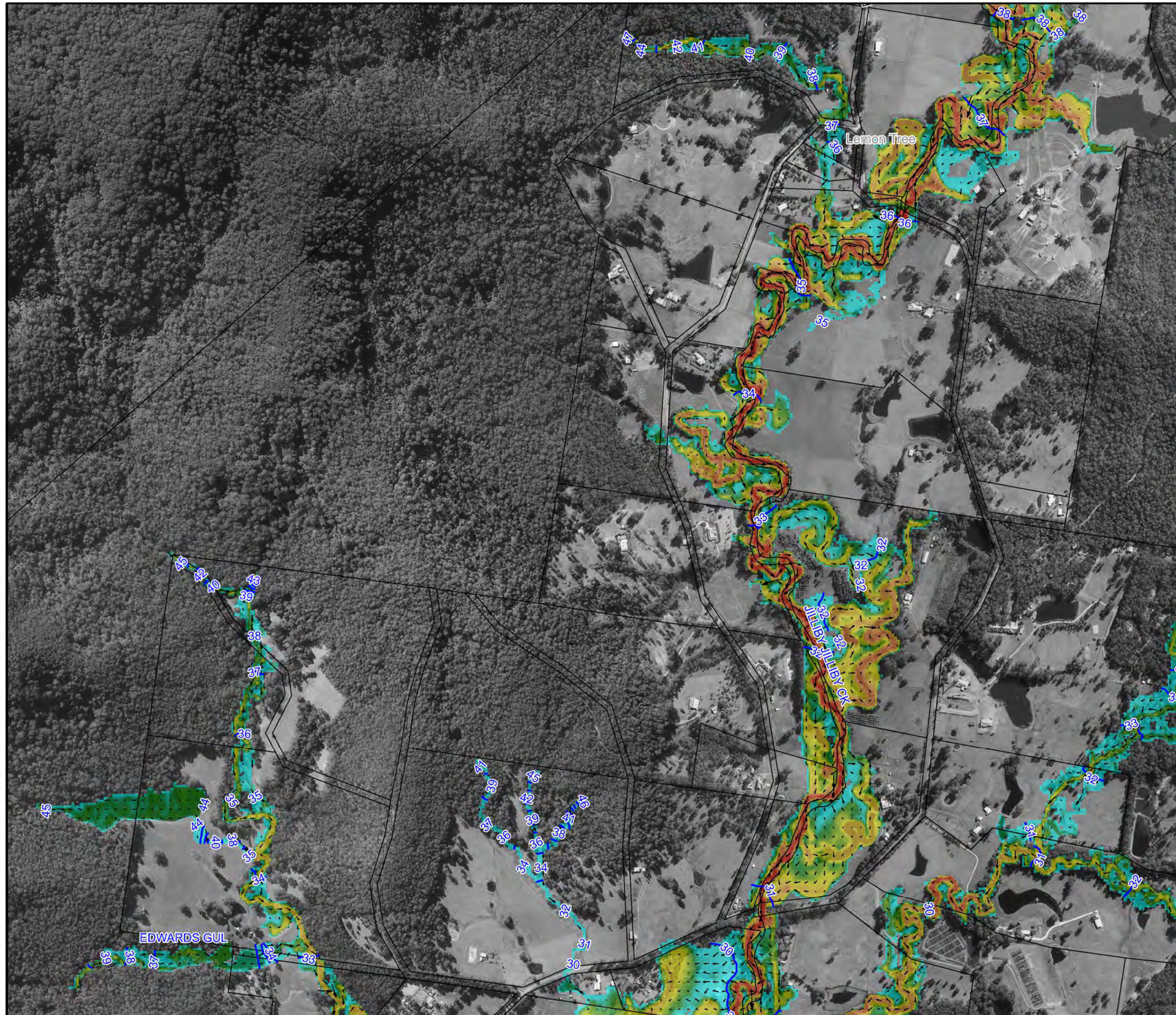
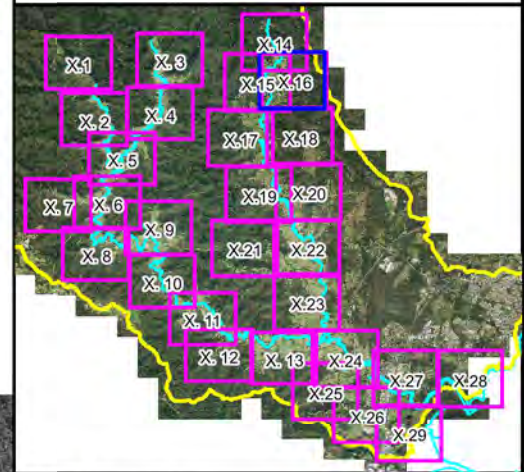
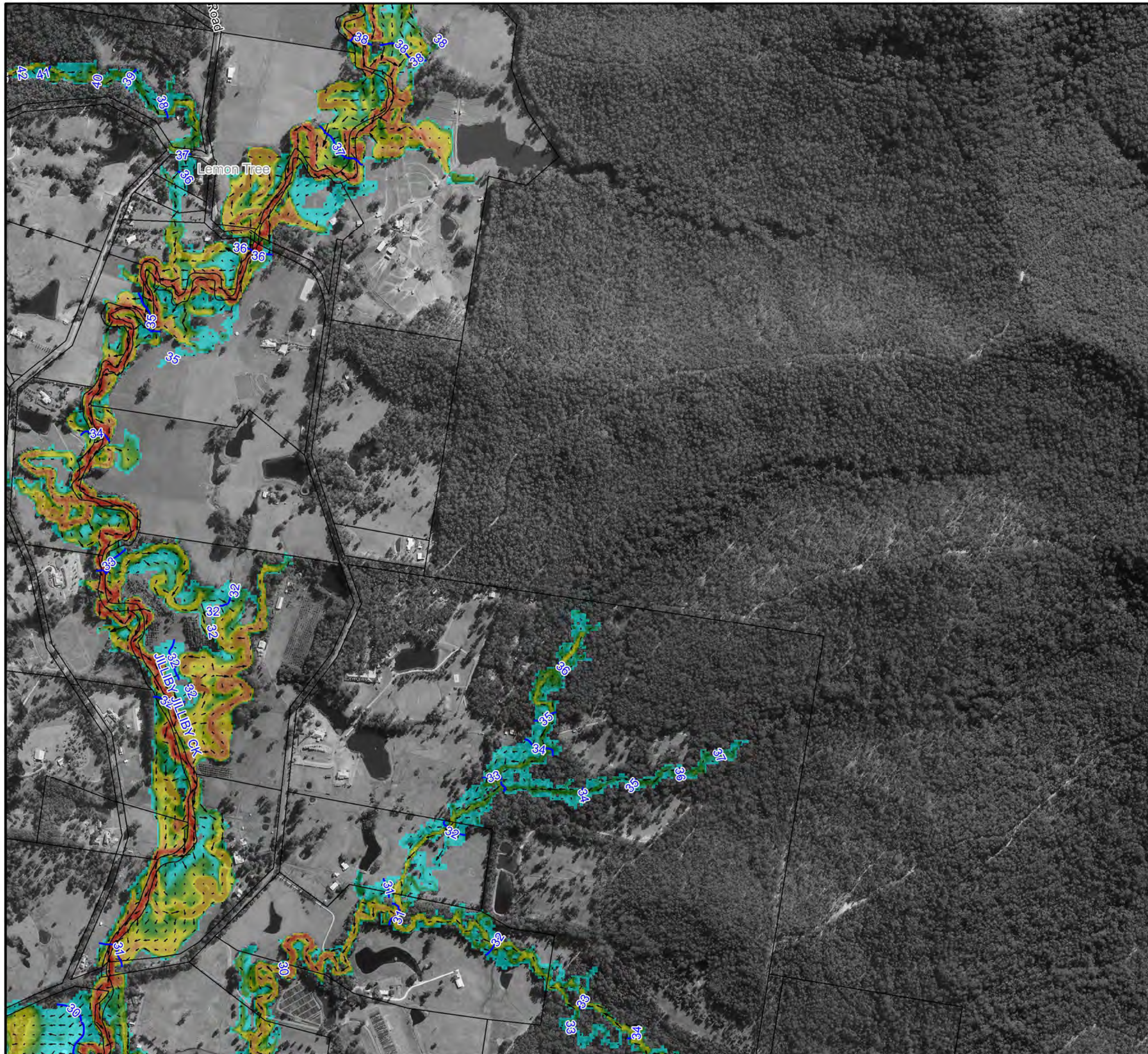


Figure A1.15:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.15 Peak Flood Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

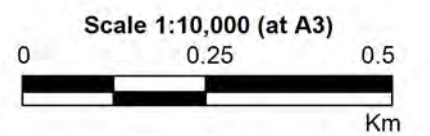
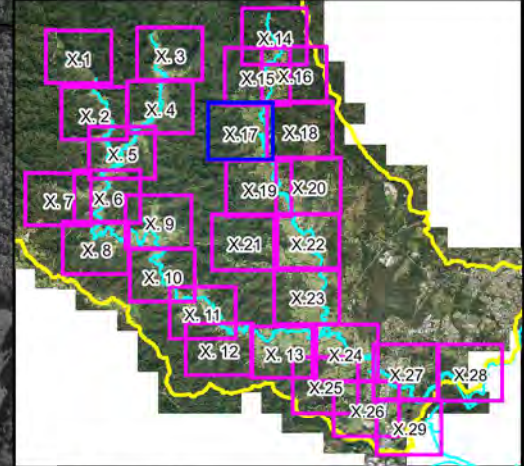


Figure A1.16:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.16 Peak Flood
Depths 20% AEP.wor

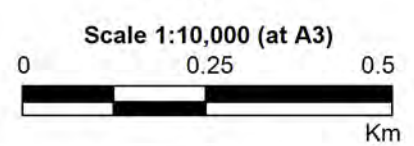
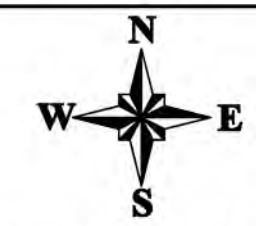


LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | 4 m/s |
| 3.0 | |

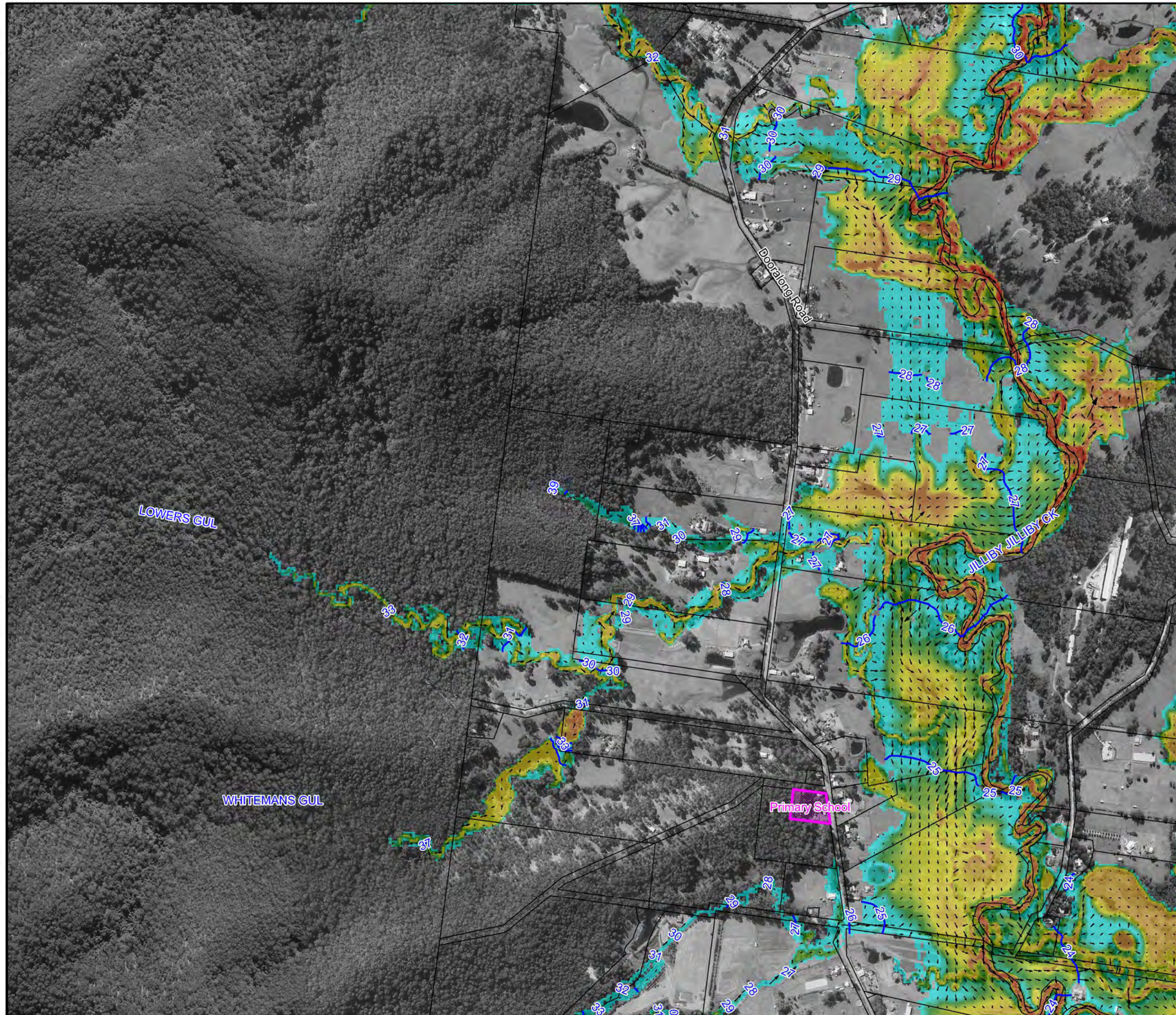
Notes:
Aerial photograph dated 2014

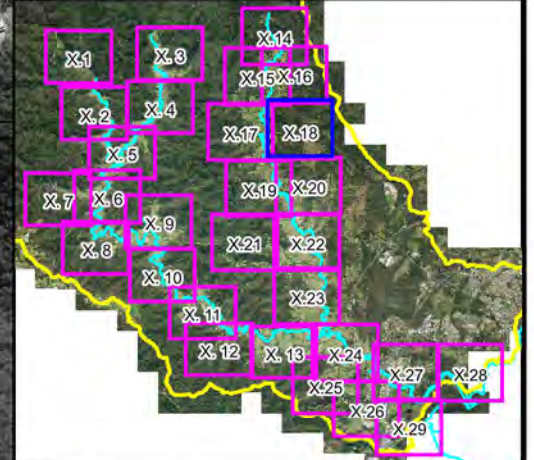


**Figure A1.17:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.17 Peak Flood
Depths 20% AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

- <= 0.2
- 0.5
- 1.0
- 2.0
- 3.0

Velocity Vector (m/s)

- 1 m/s
- 2 m/s
- 4 m/s

Notes:
Aerial photograph dated 2014

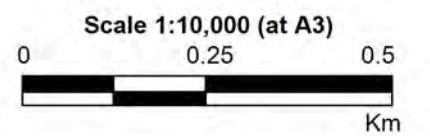
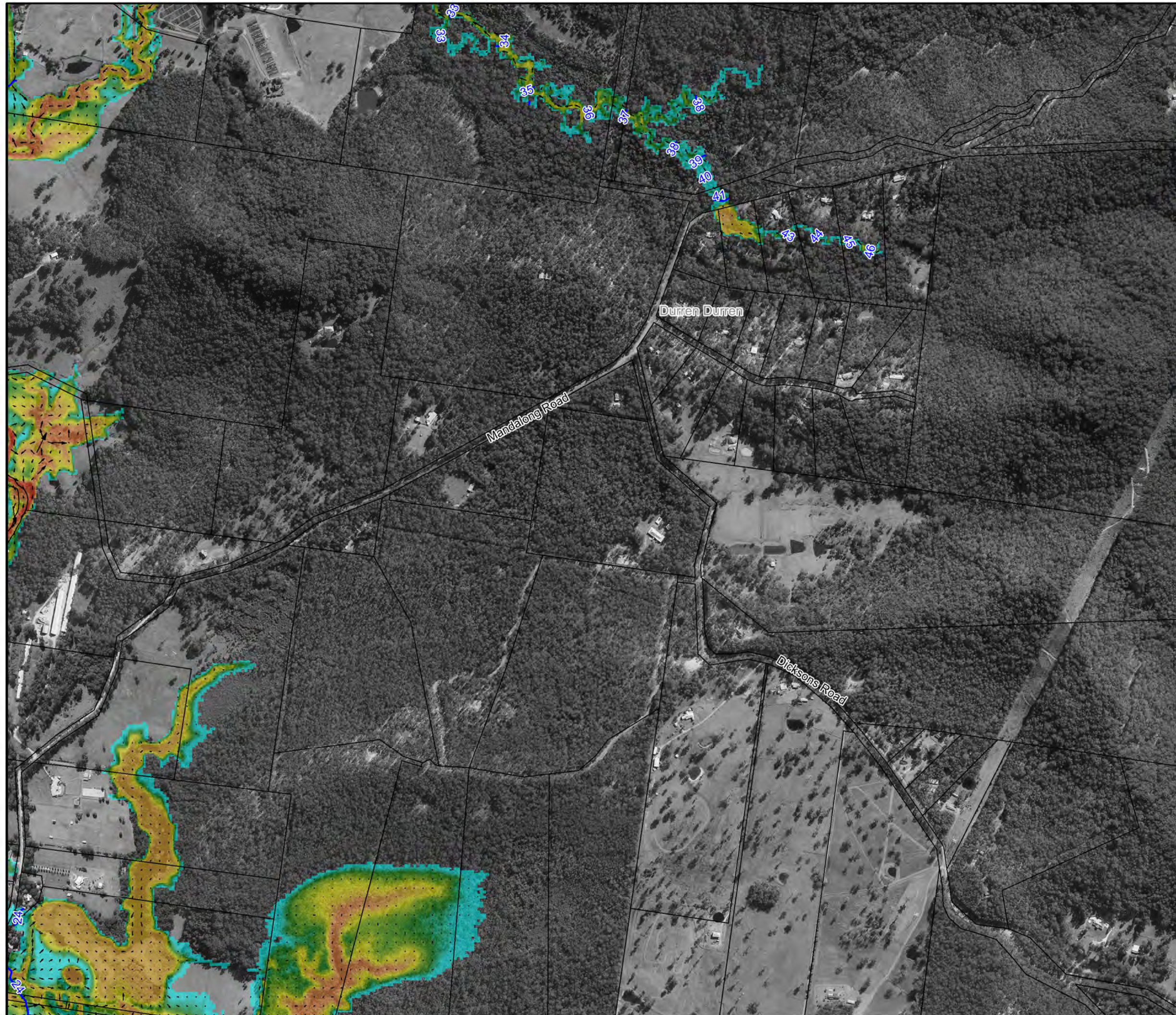
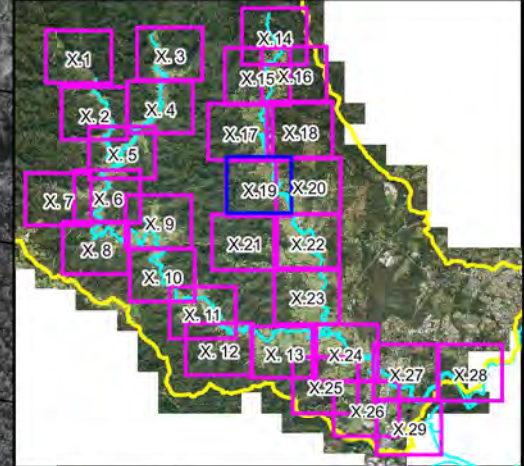


Figure A1.18:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.18 Peak Flood Depths 20% AEP.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|---|---|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

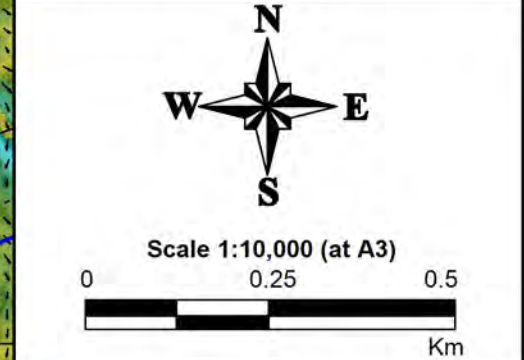
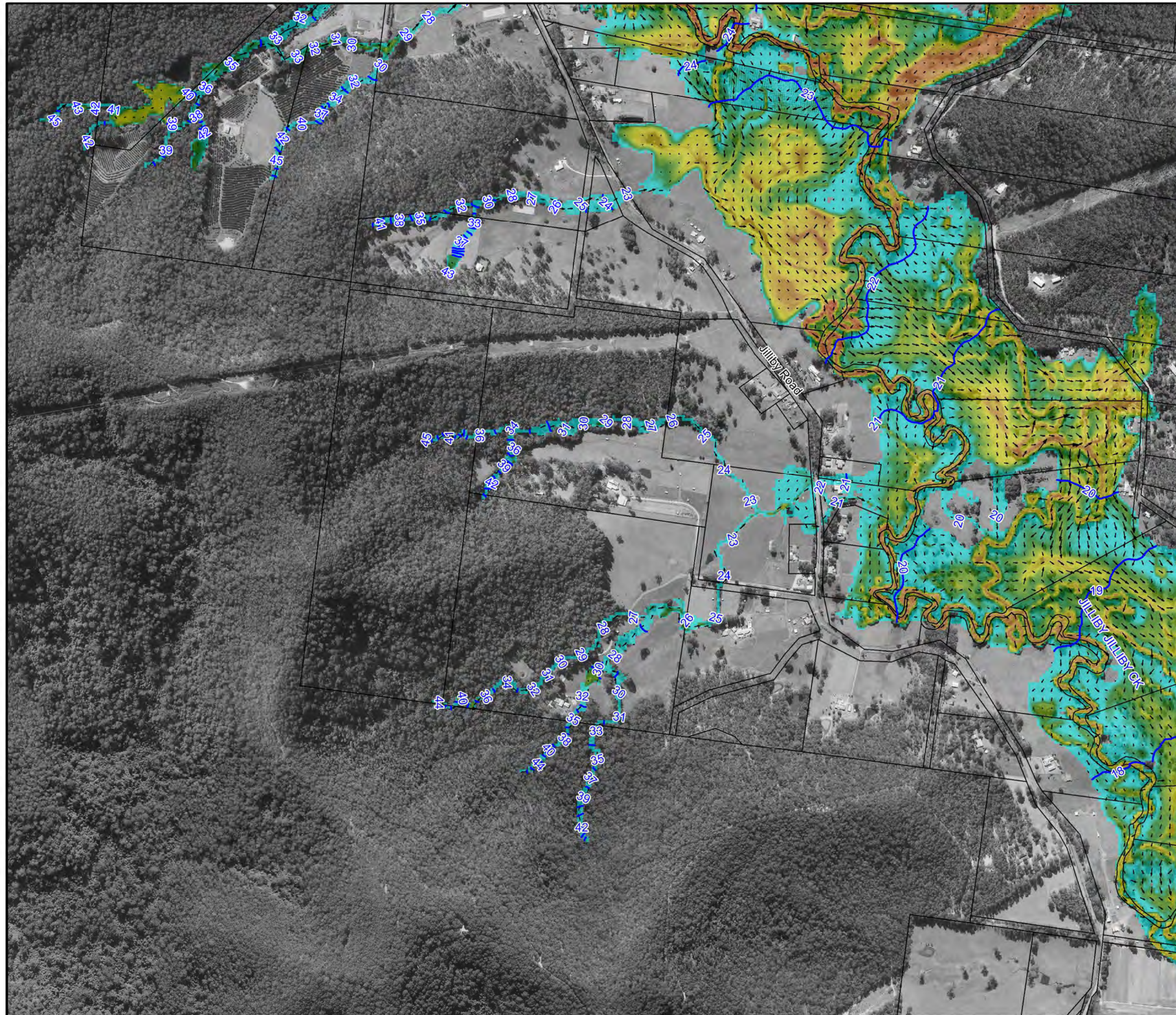
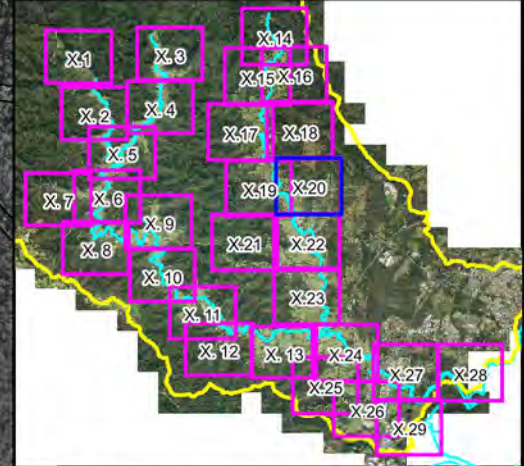


Figure A1.19:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000
 File Name: Figure A1.19 Peak Flood Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

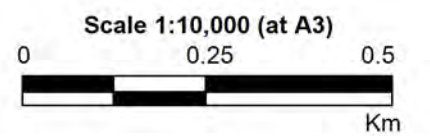
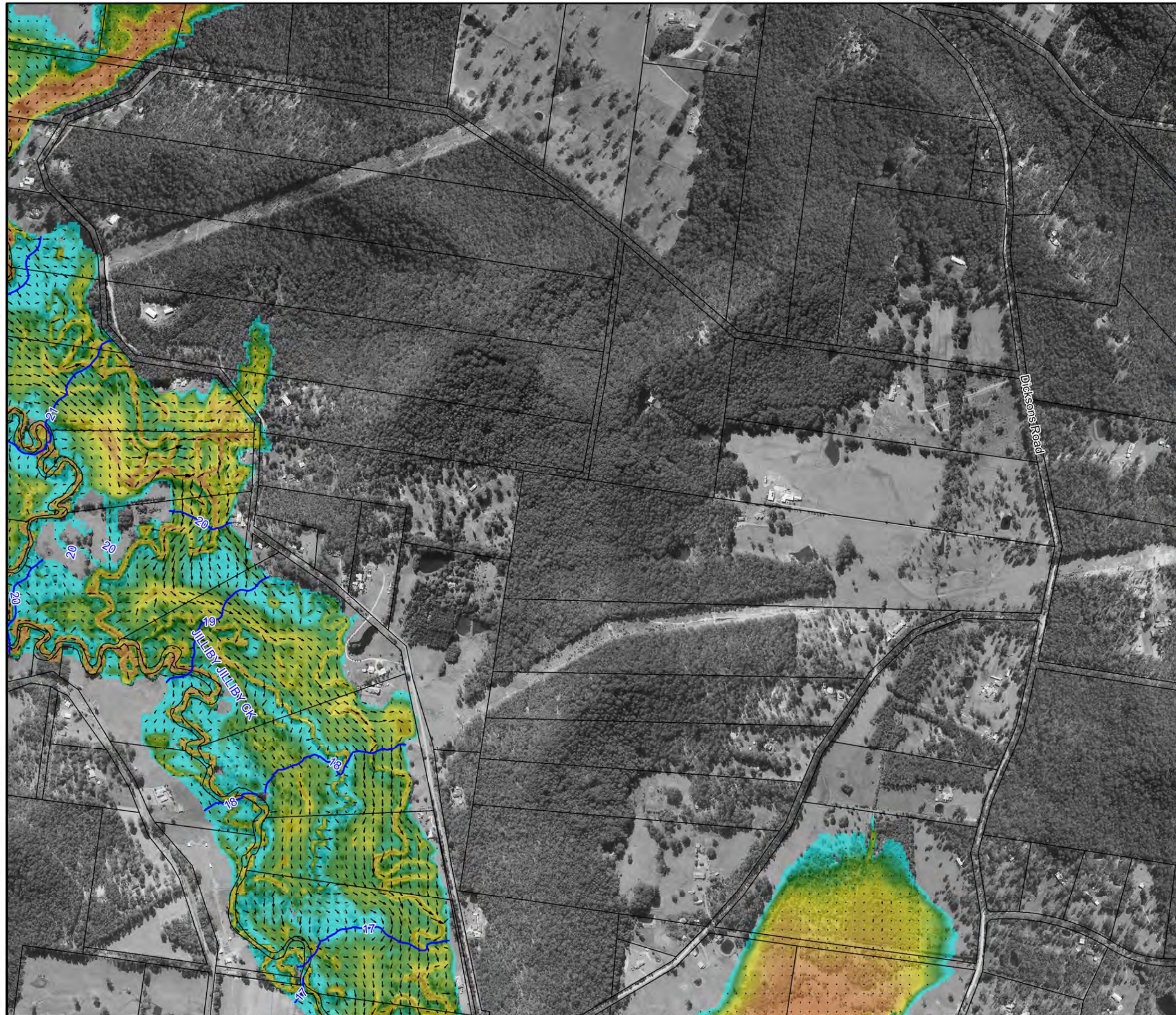
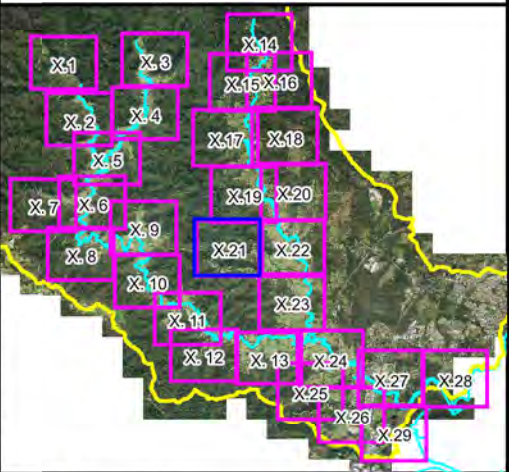
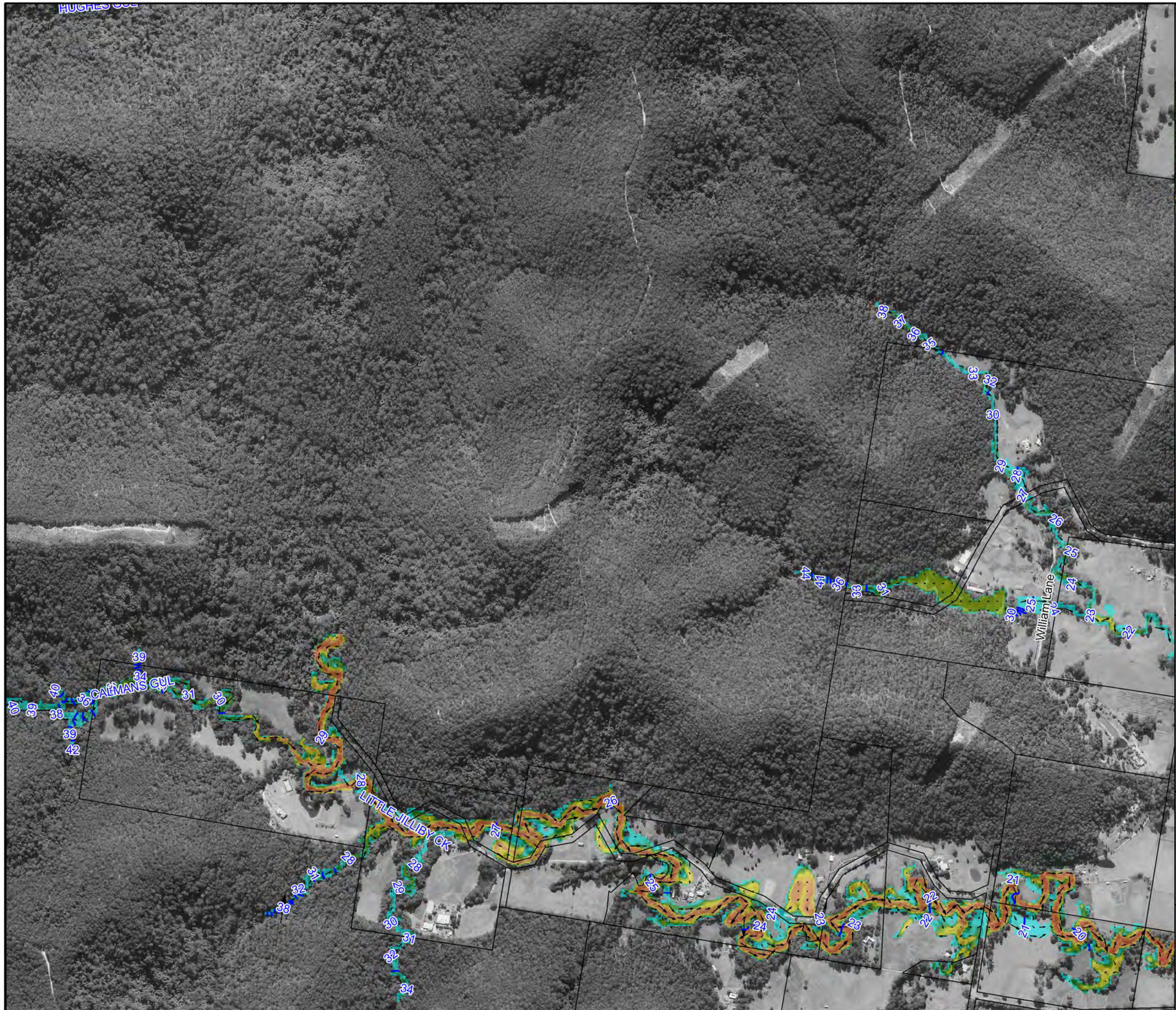


Figure A1.20:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.20 Peak Flood
Depths 20% AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

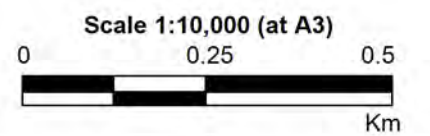
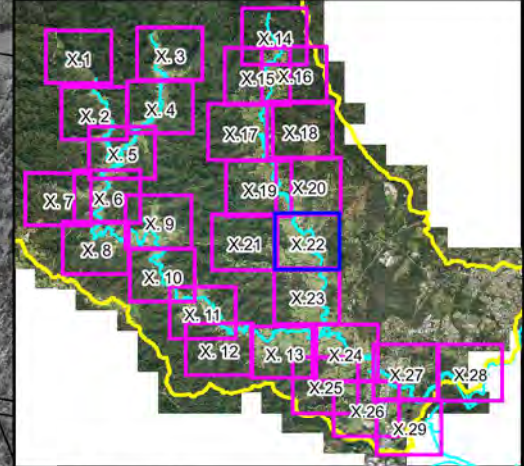


Figure A1.21:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.21 Peak Flood Depths 20% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

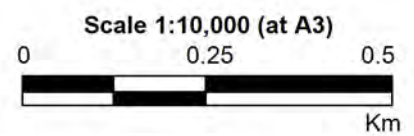
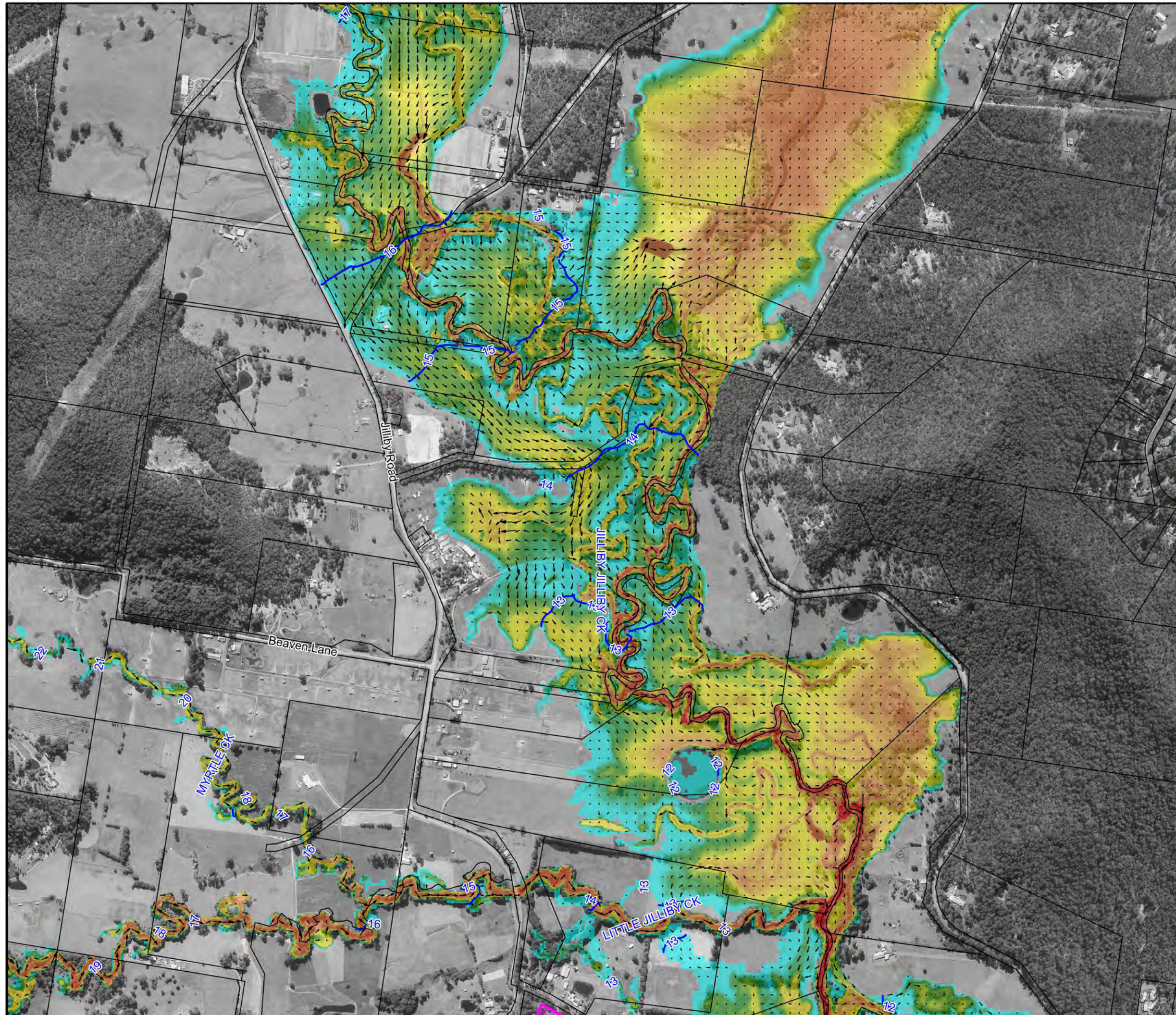
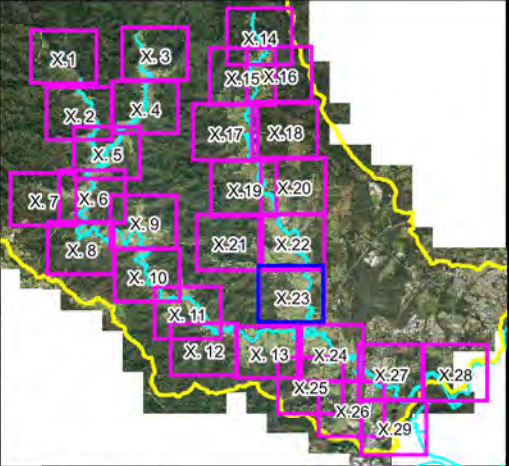
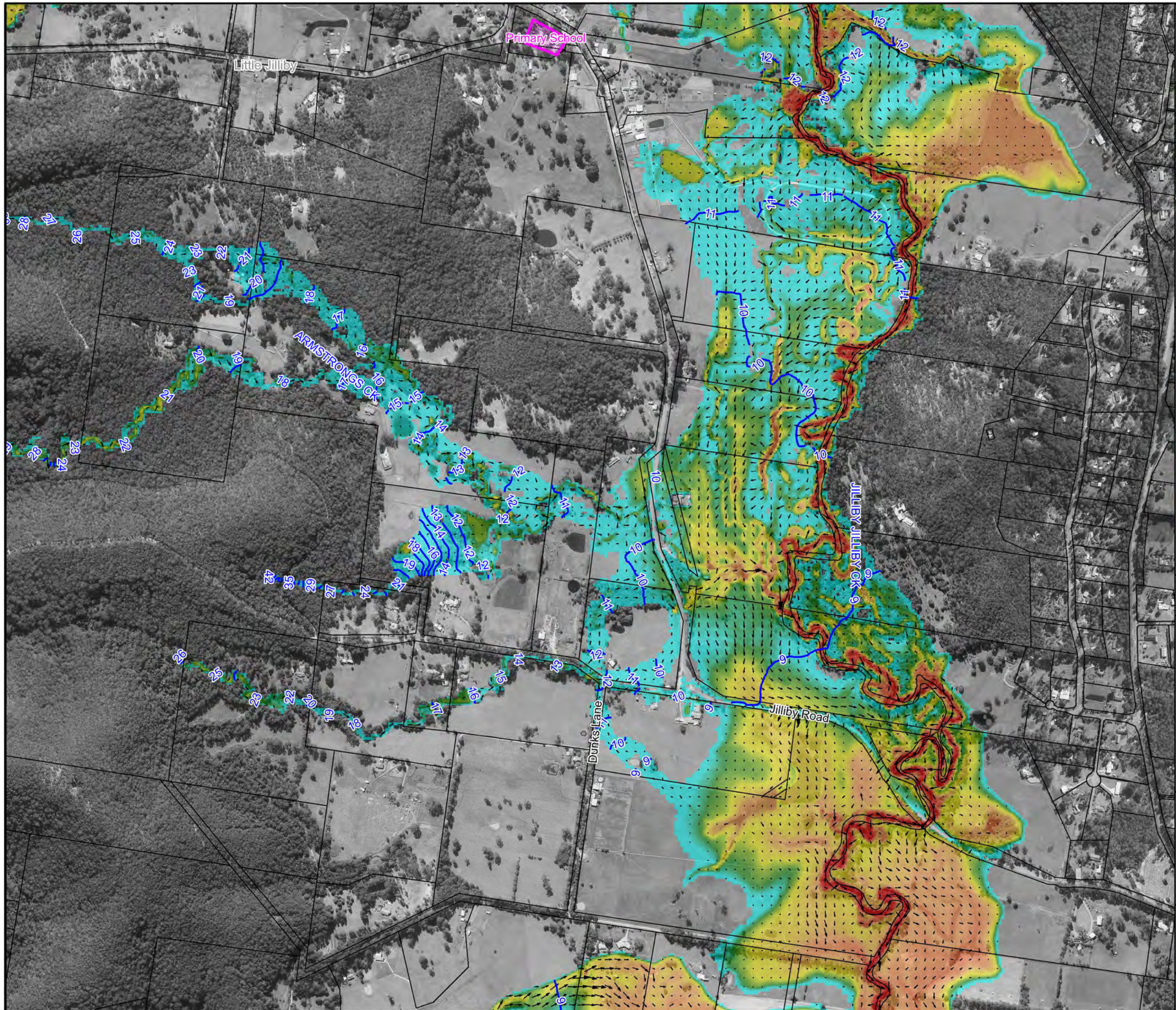


Figure A1.22:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.22 Peak Flood Depths 20%AEP.wor

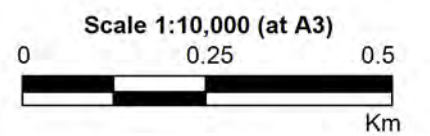




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

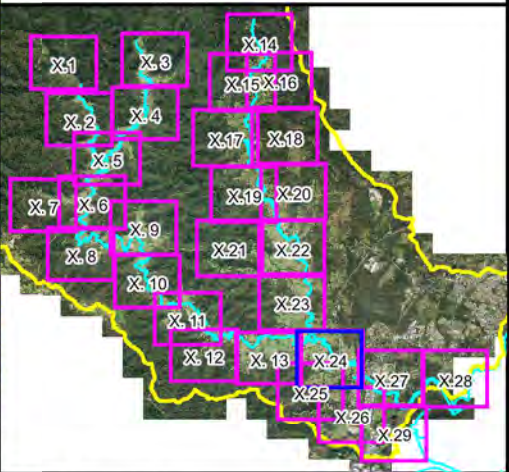
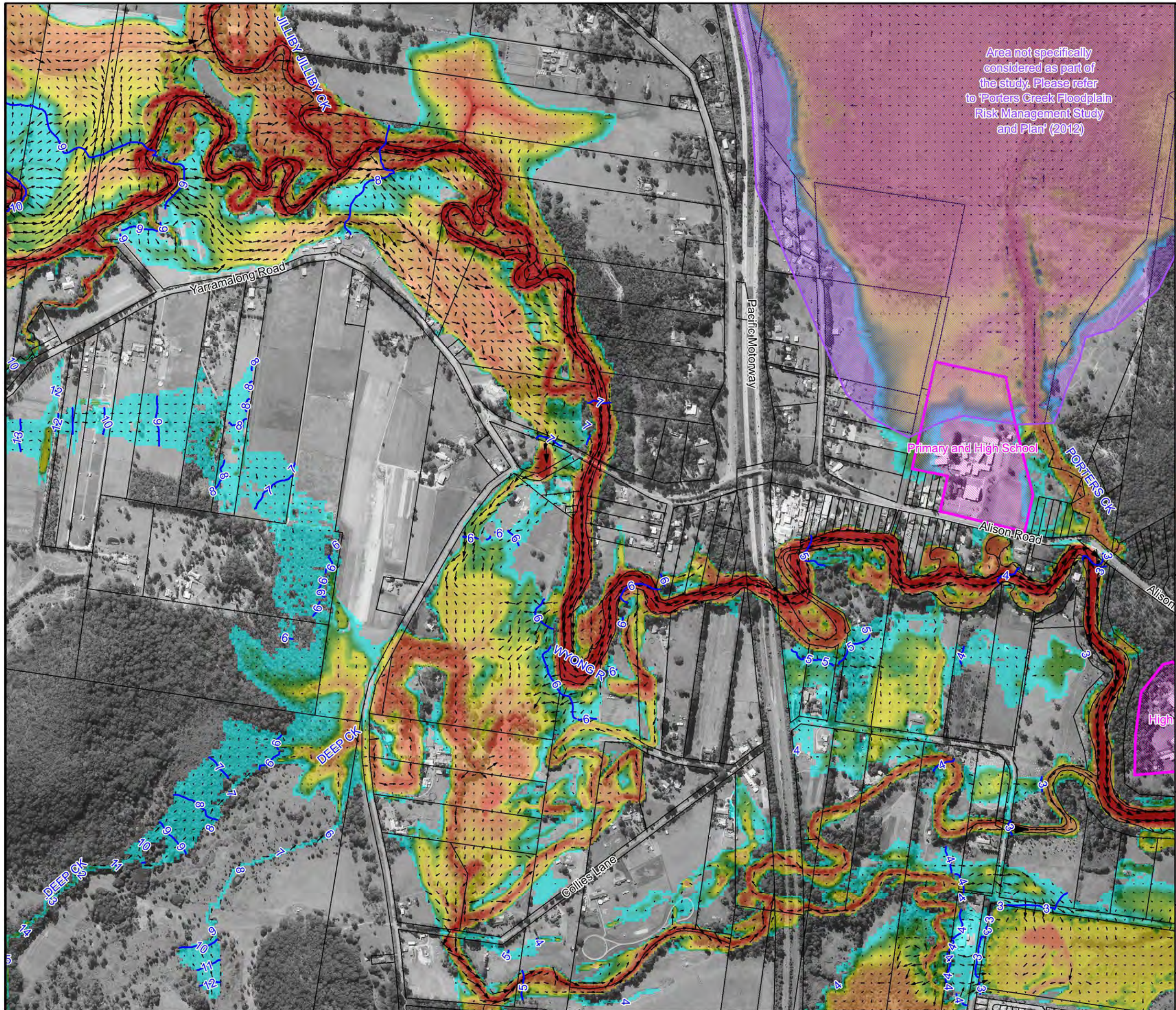
Notes:
Aerial photograph dated 2014



**Figure A1.23:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.23 Peak Flood
Depths 20% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

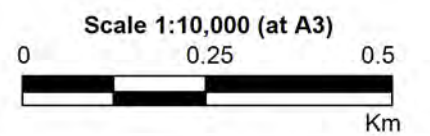
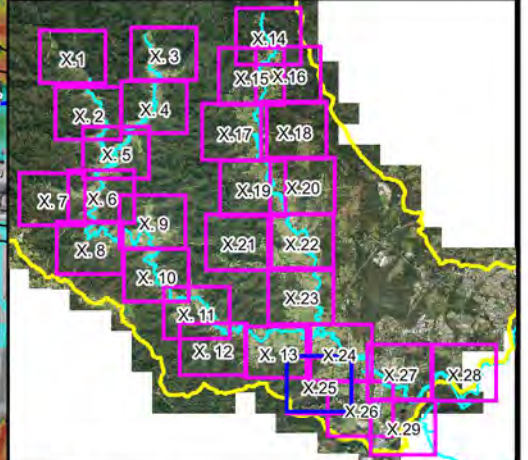


Figure A1.24:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

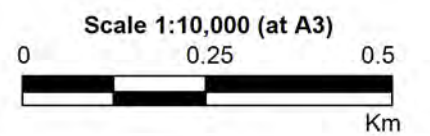
File Name: Figure A1.24 Peak Flood Depths 20% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

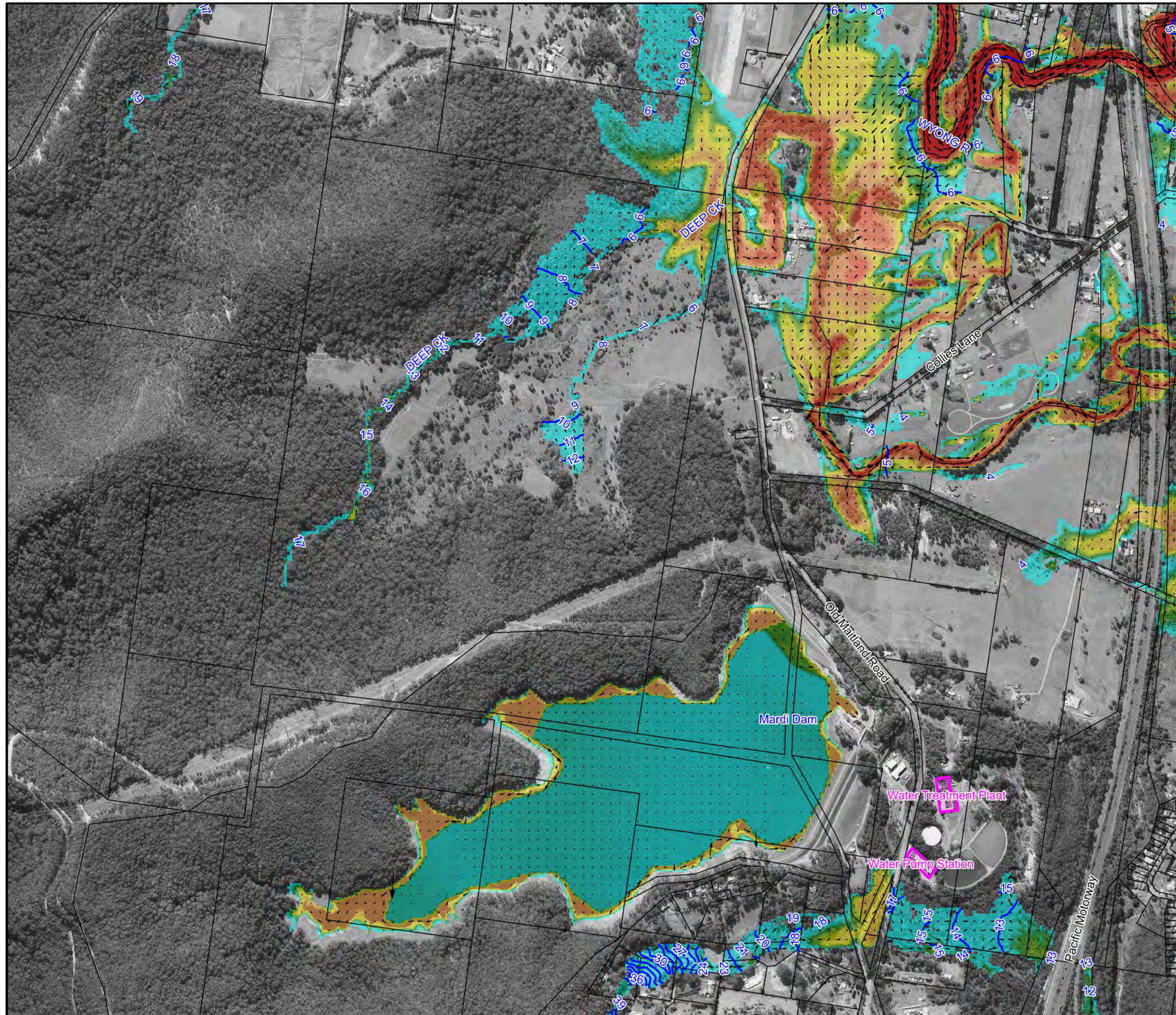
Notes:
Aerial photograph dated 2014

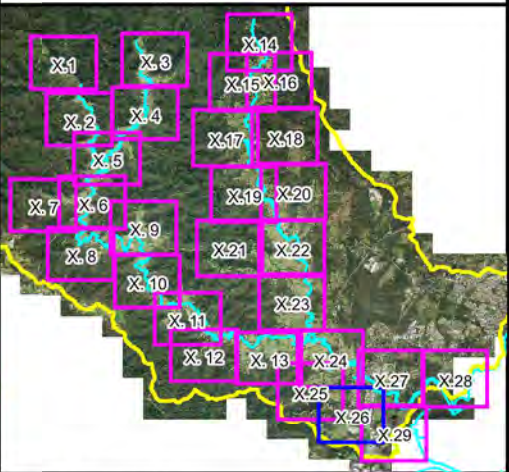


**Figure A1.25:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.25 Peak Flood
Depths 20% AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

N
W E
S

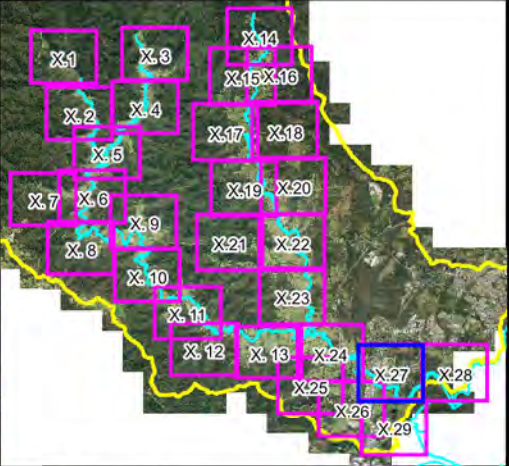
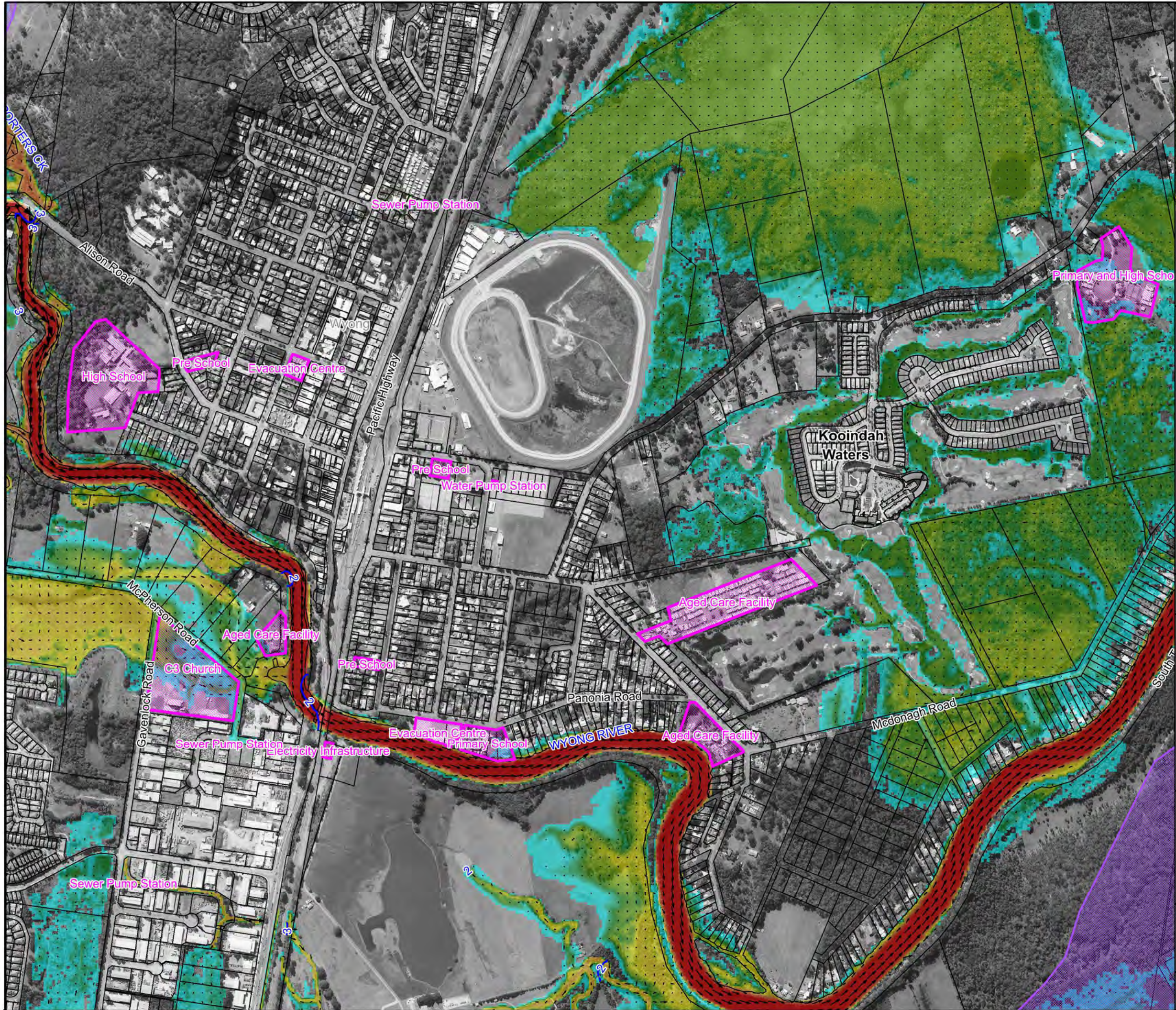
Scale 1:10,000 (at A3)

0 0.25 0.5
Km

**Figure A1.26:
Peak Floodwater Depths,
Velocities and Levels
for the 20% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.26 Peak Flood
Depths 20% AEP.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

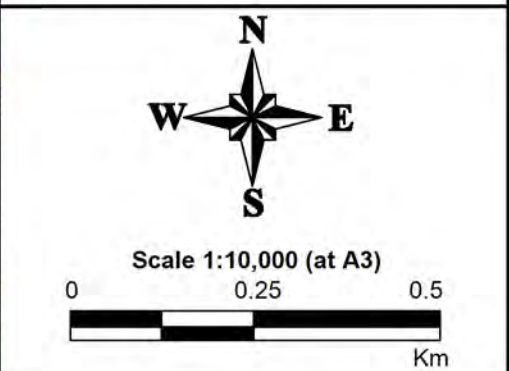
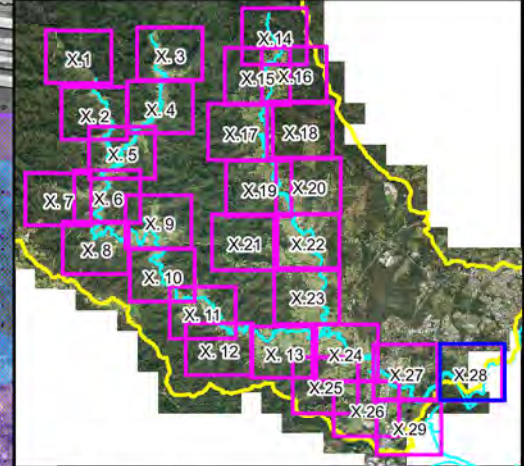
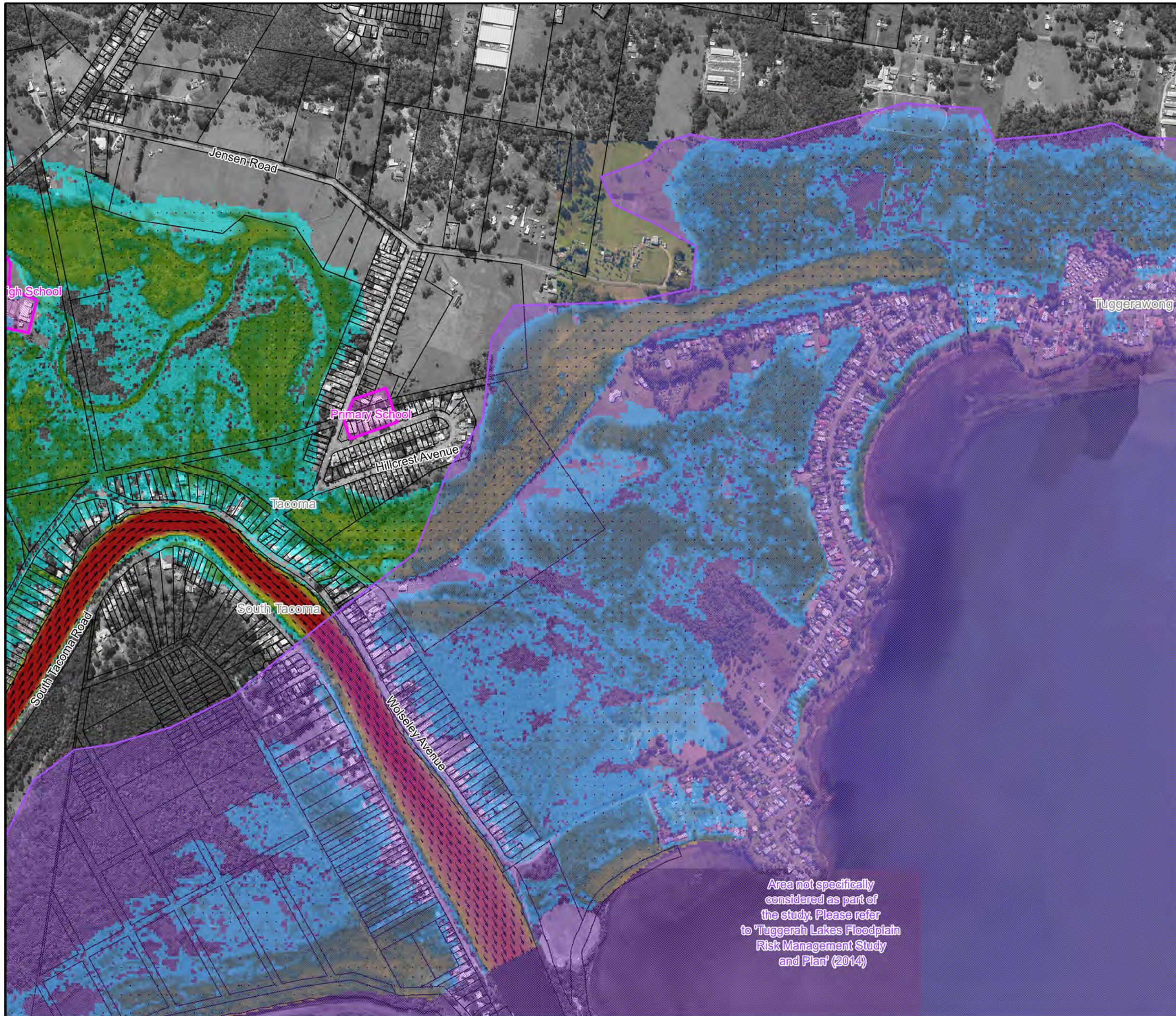


Figure A1.27:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.27 Peak Flood Depths 20% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

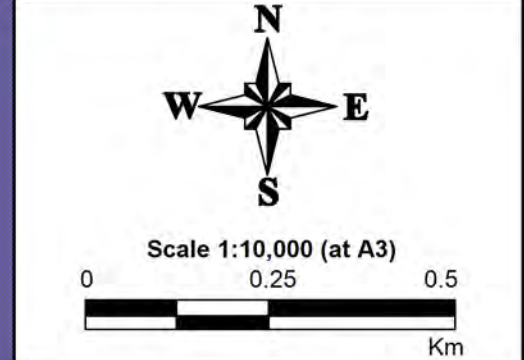
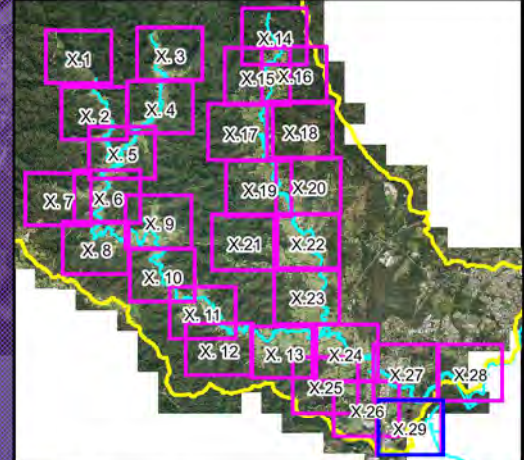


Figure A1.28:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.28 Peak Flood Depths 20% AEP.wor



LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

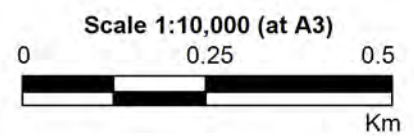
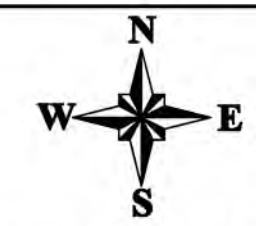
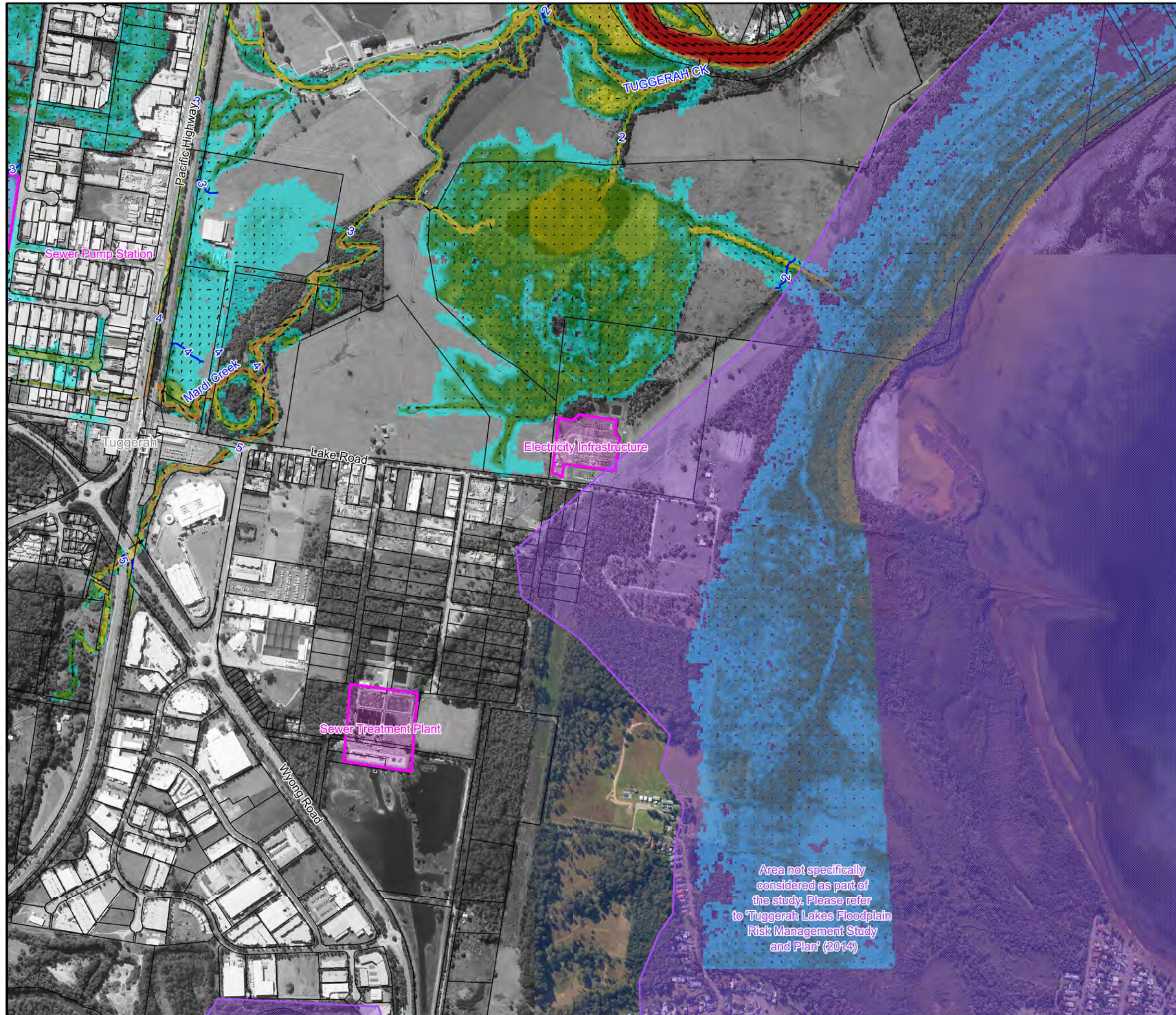


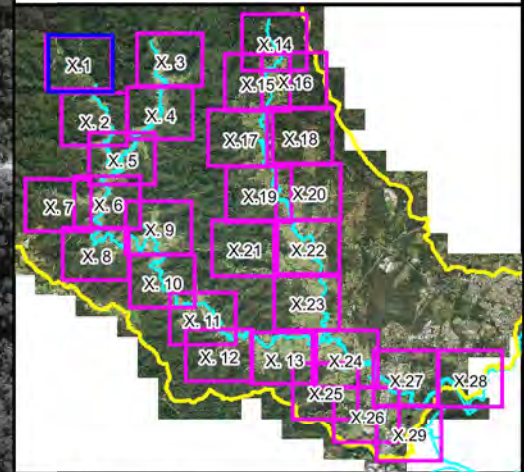
Figure A1.29:
Peak Floodwater Depths, Velocities and Levels for the 20% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A1.29 Peak Flood Depths 20% AEP.wor



Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)

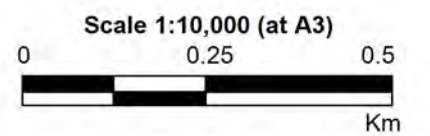


LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

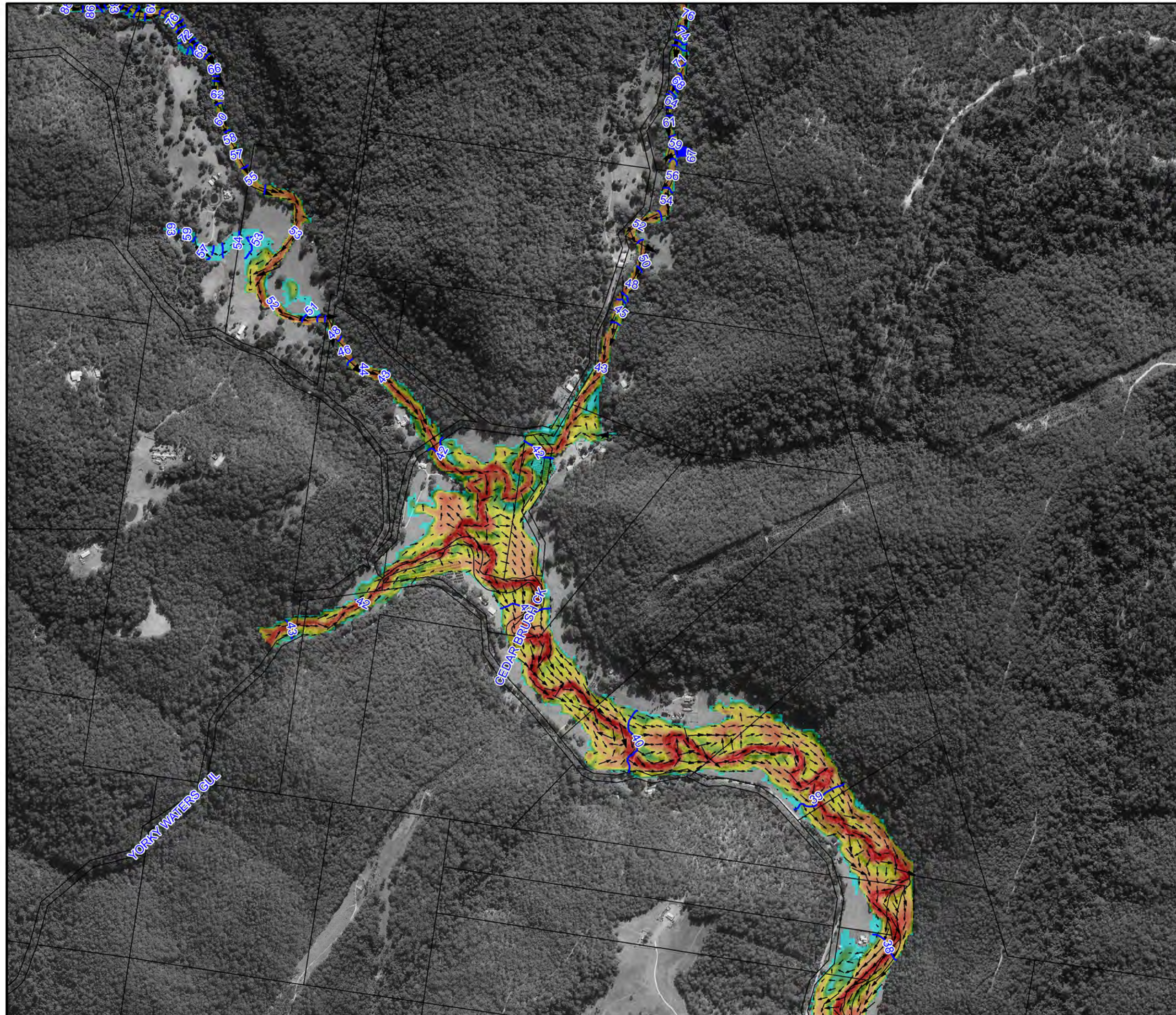
Notes:
Aerial photograph dated 2014

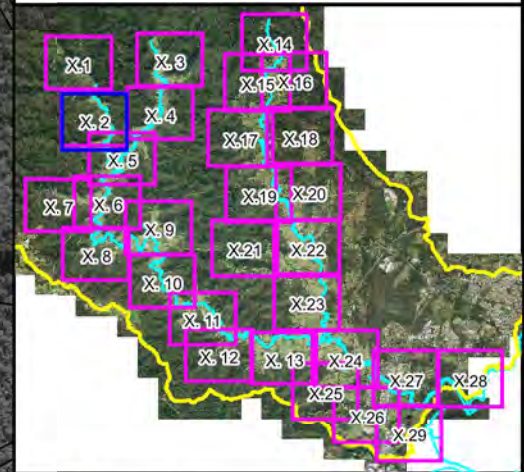


**Figure A2.1:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.1 Peak Flood
Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

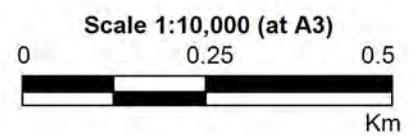
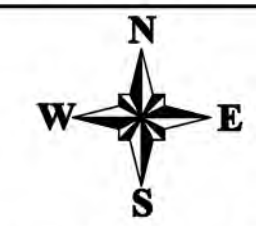
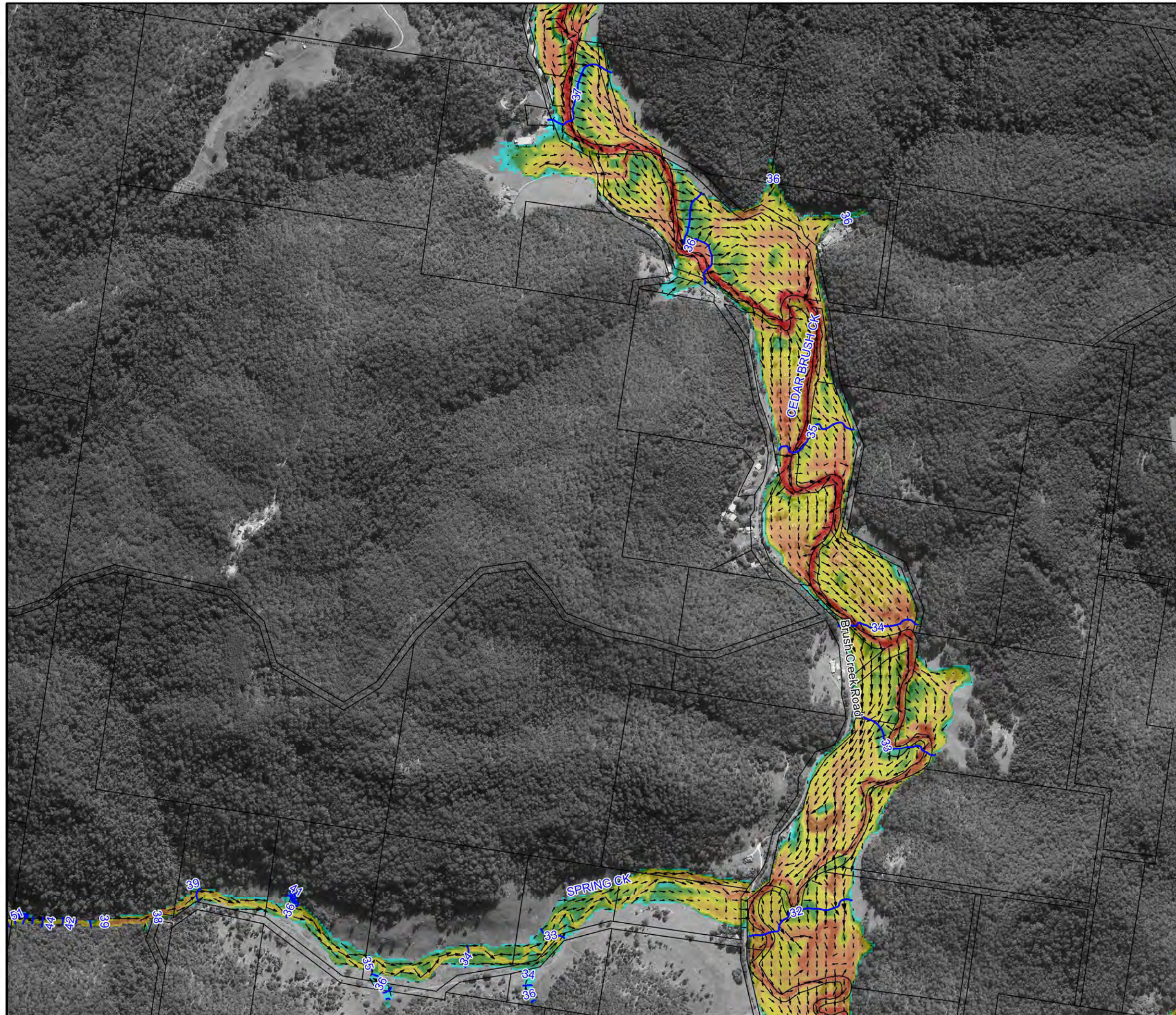
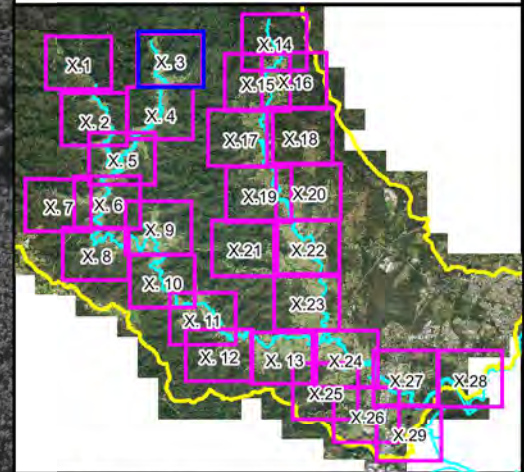


Figure A2.2:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.2 Peak Flood
Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

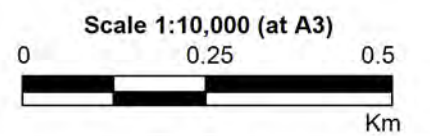
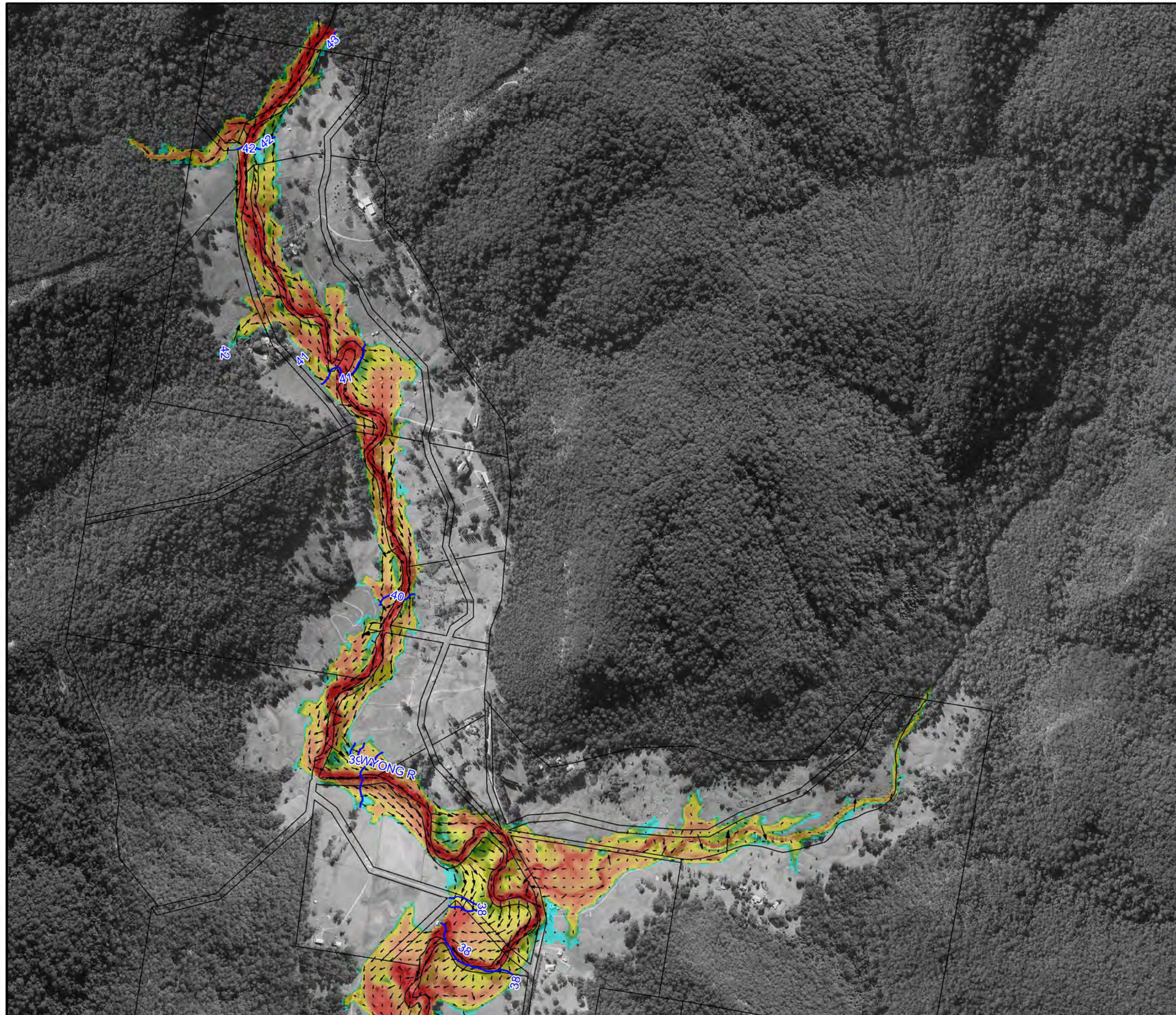
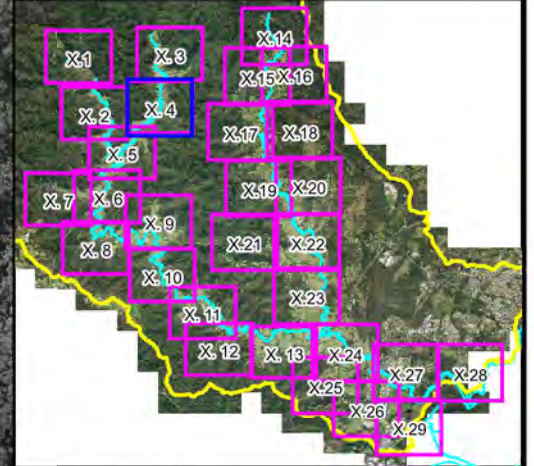


Figure A2.3:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.3 Peak Flood
Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | 4 m/s |
| 3.0 | |

Notes:
Aerial photograph dated 2014

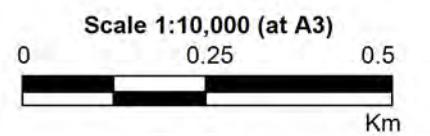
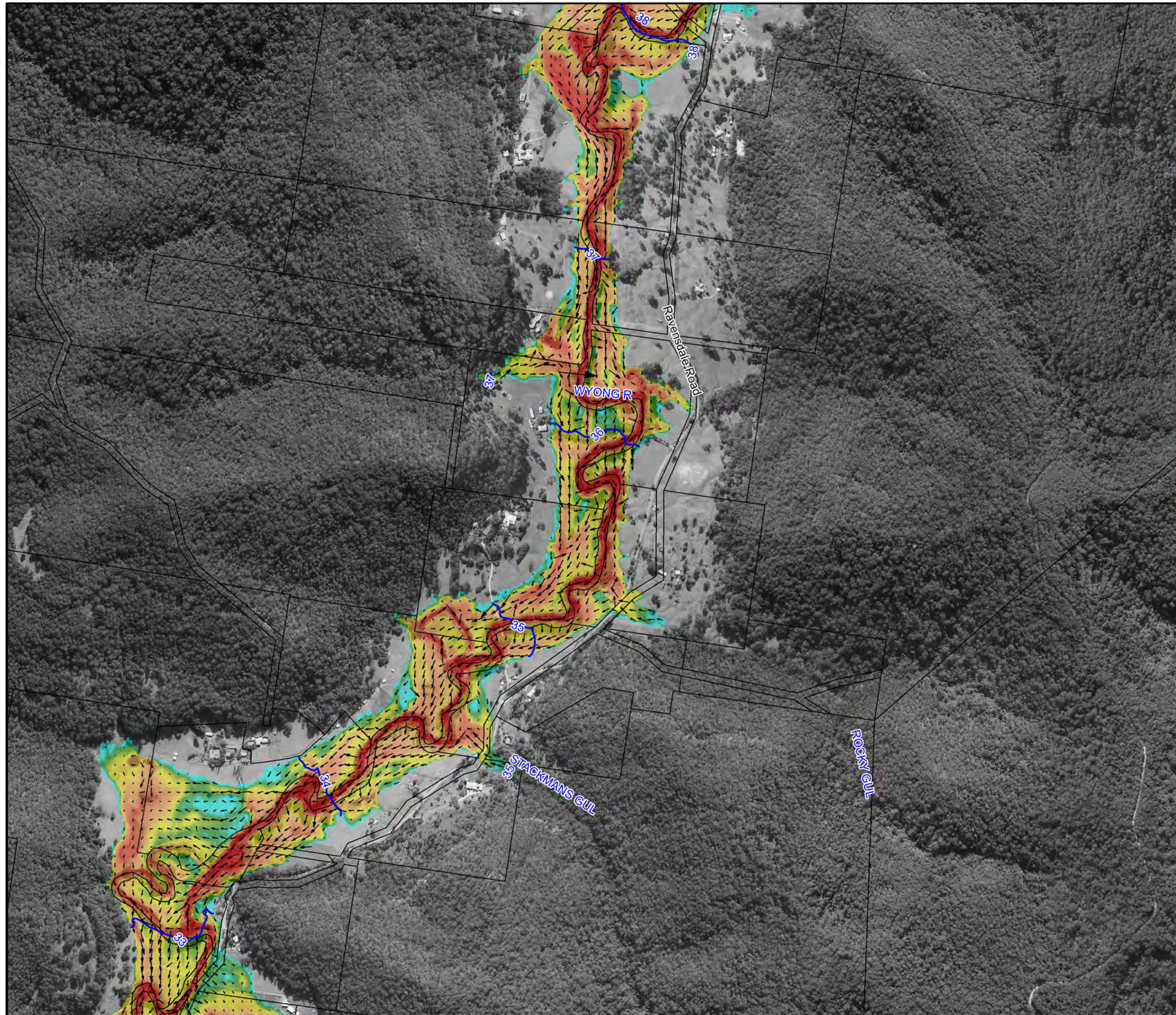
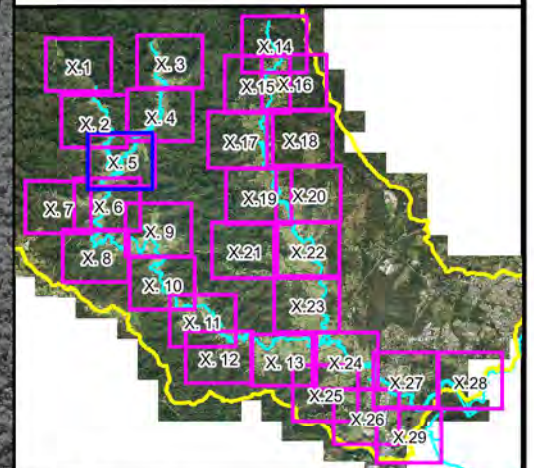


Figure A2.4:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.4 Peak Flood
Depths 5%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

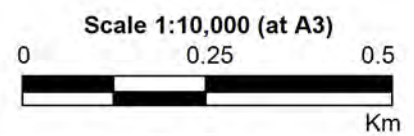
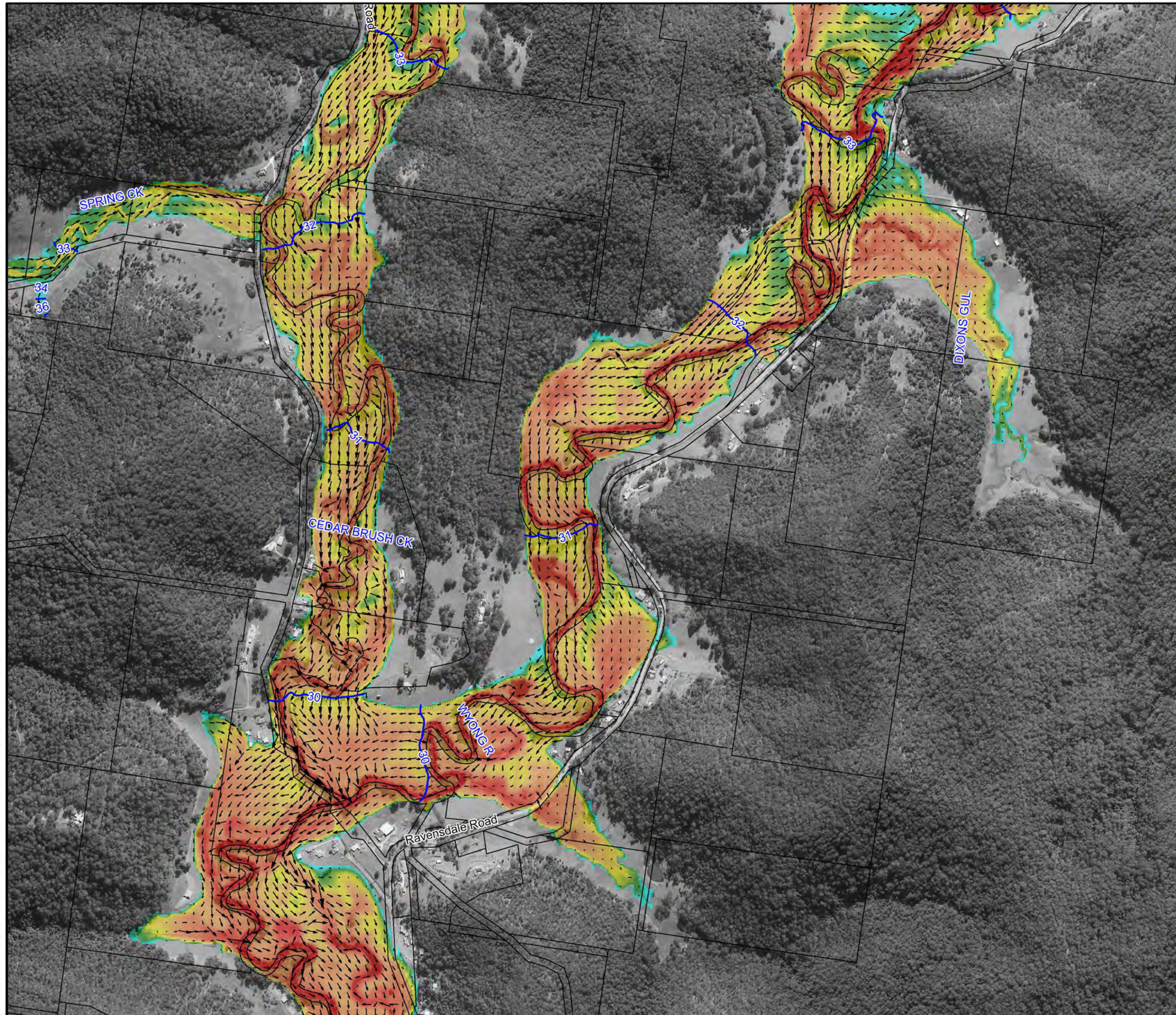
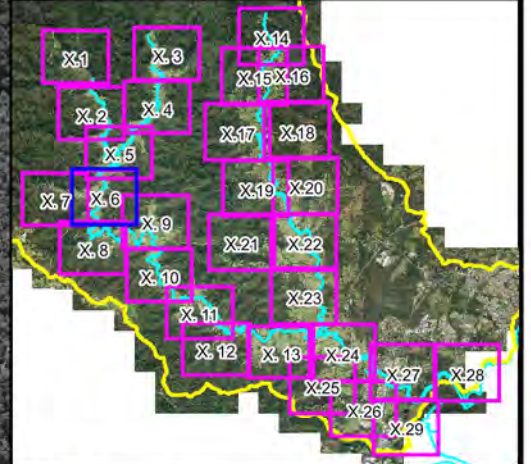


Figure A2.5:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.5 Peak Flood Depths 5%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

- <= 0.2
- 0.5
- 1.0
- 2.0
- 3.0

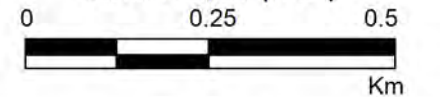
Velocity Vector (m/s)

- 1 m/s
- 2 m/s
- 4 m/s

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

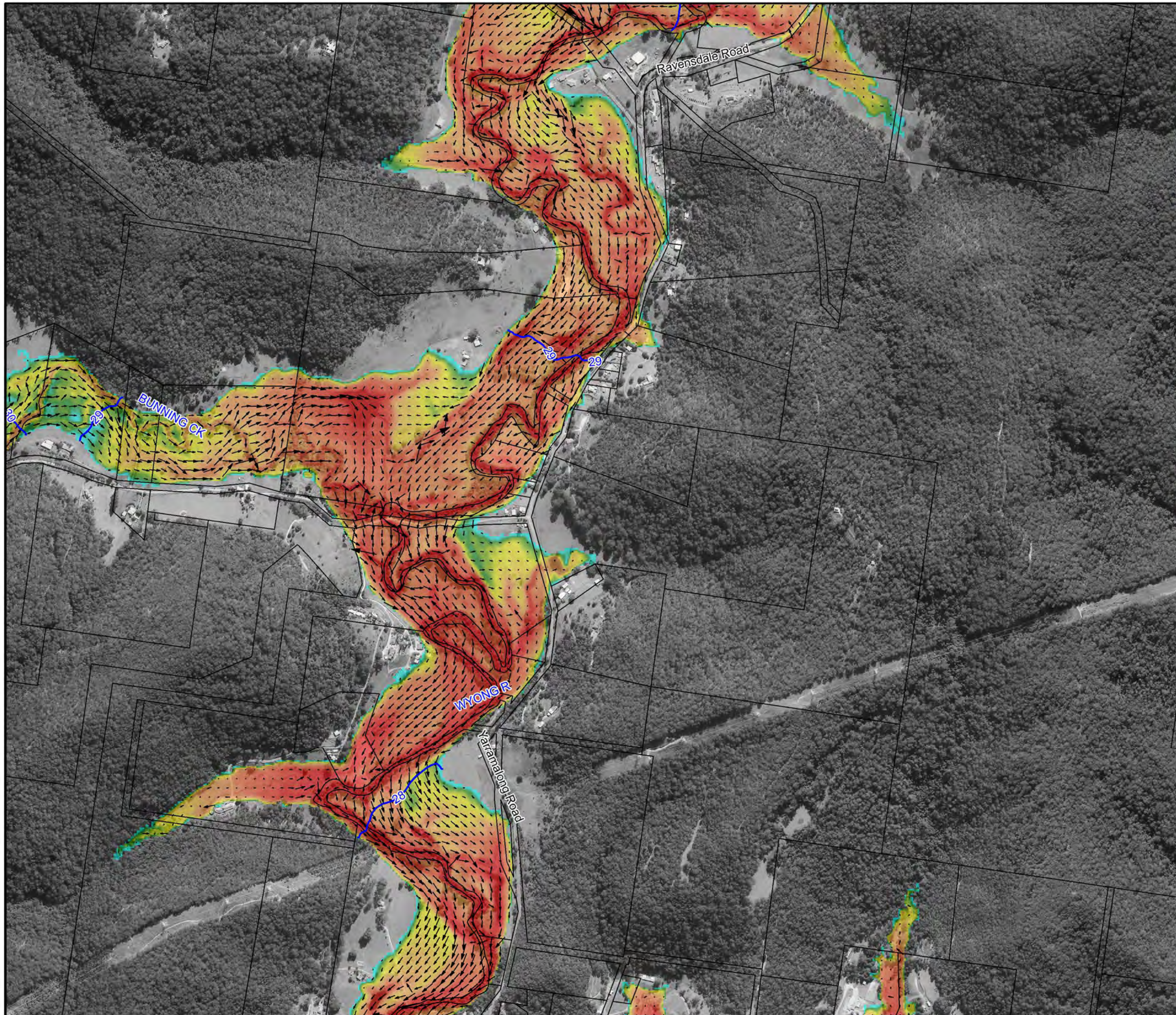


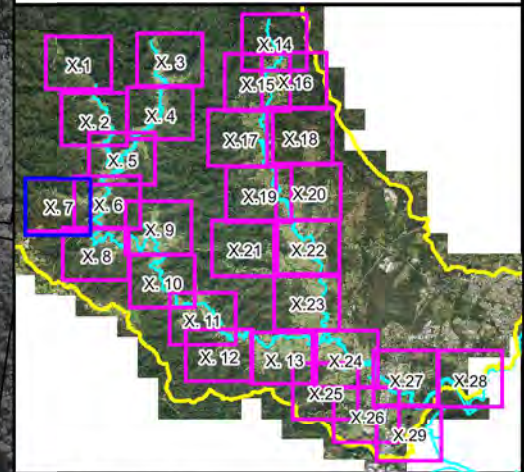
**Figure A2.6:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.6 Peak Flood
Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

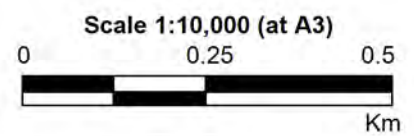
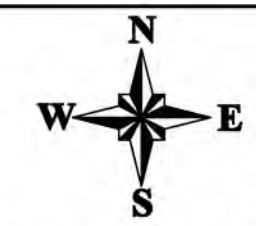
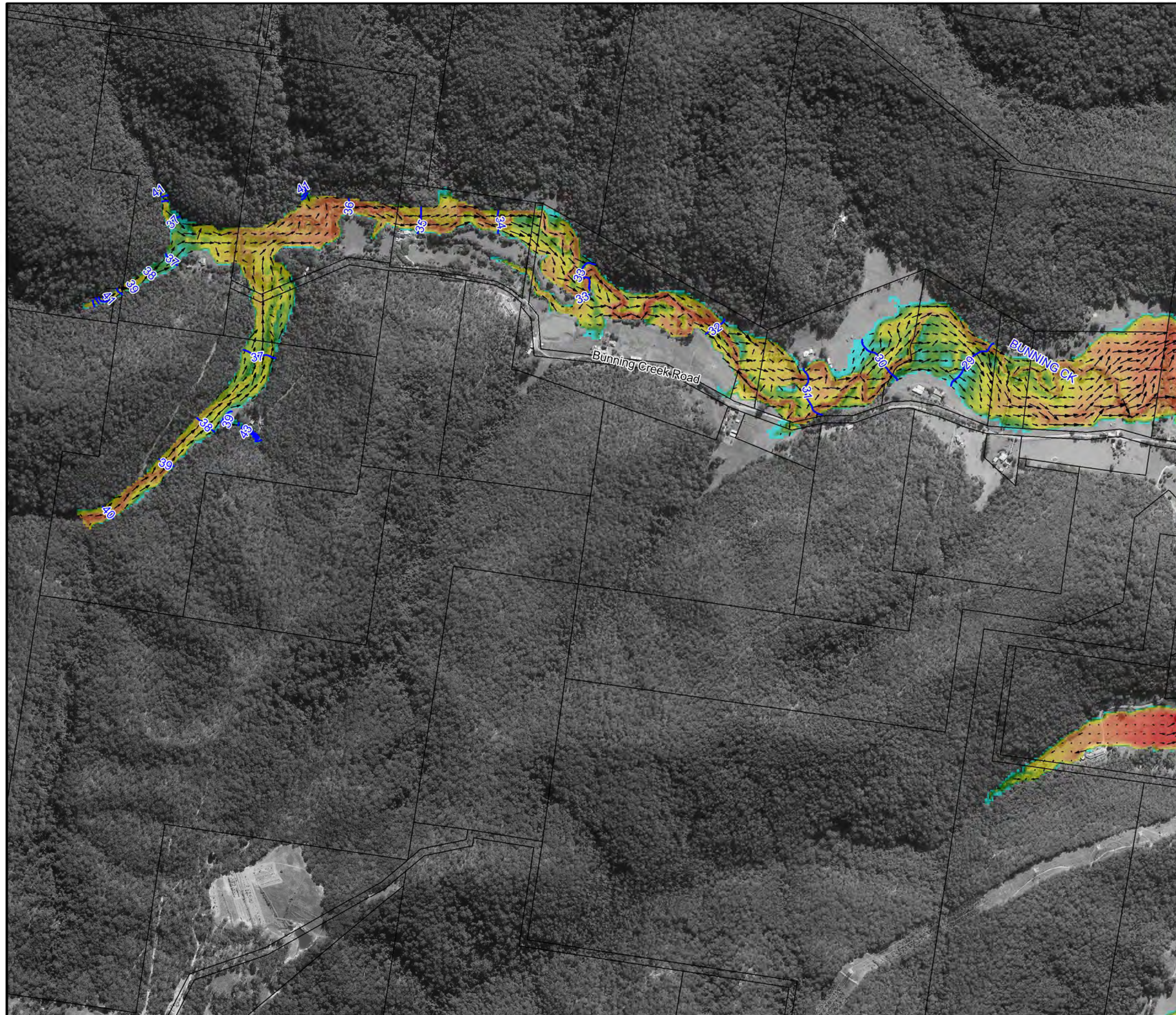
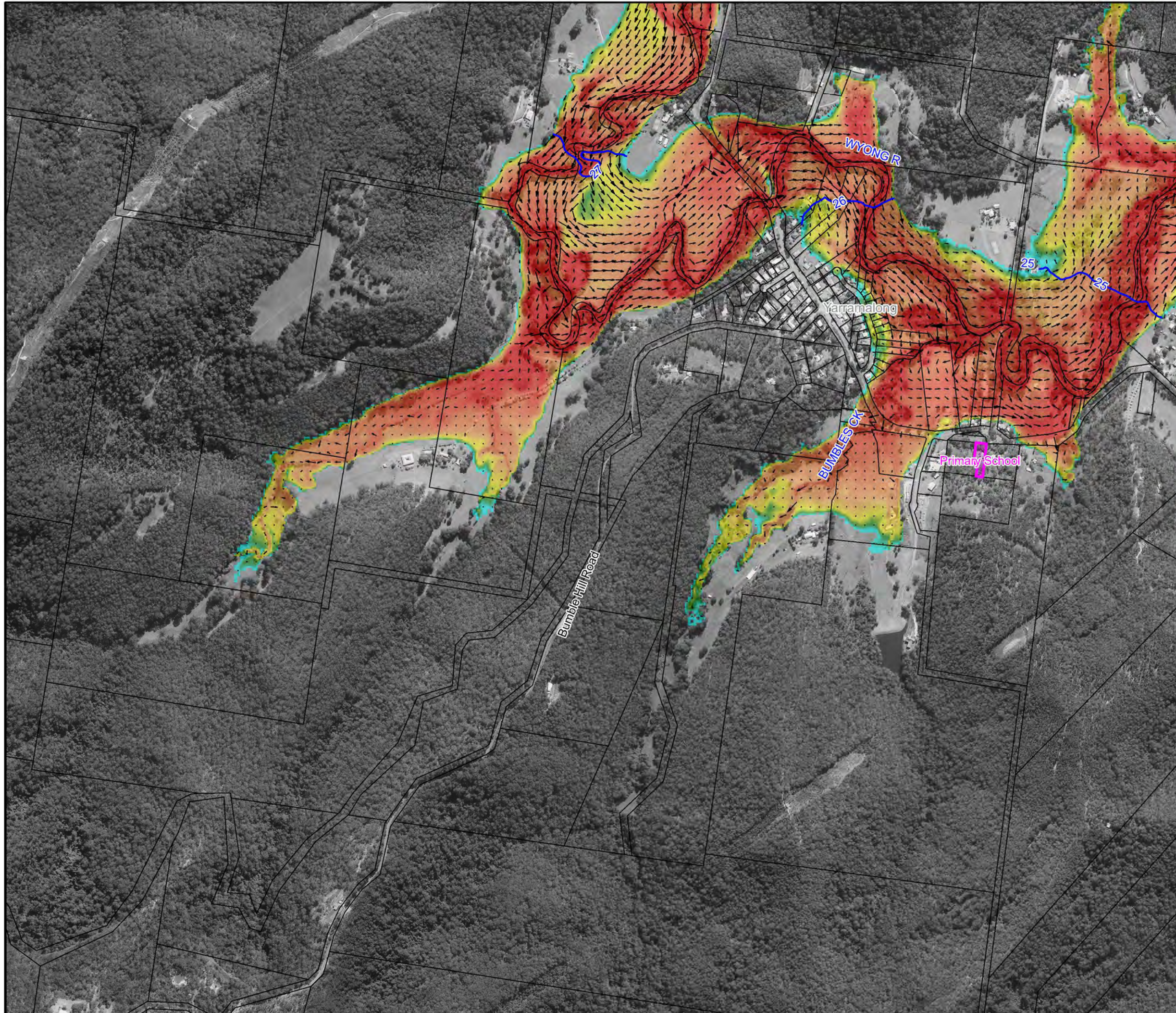
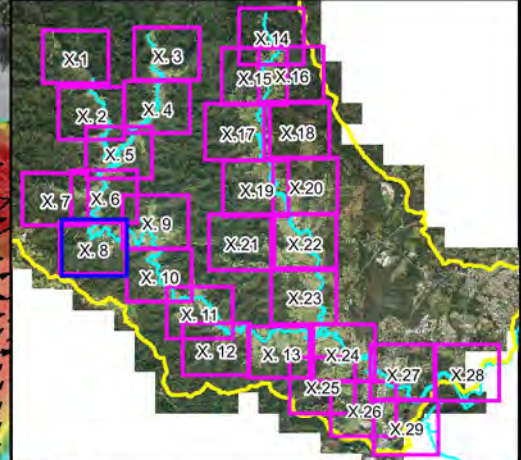


Figure A2.7:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.7 Peak Flood Depths 5%AEP.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

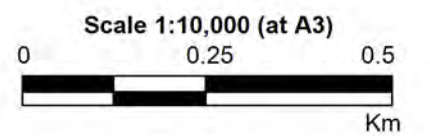
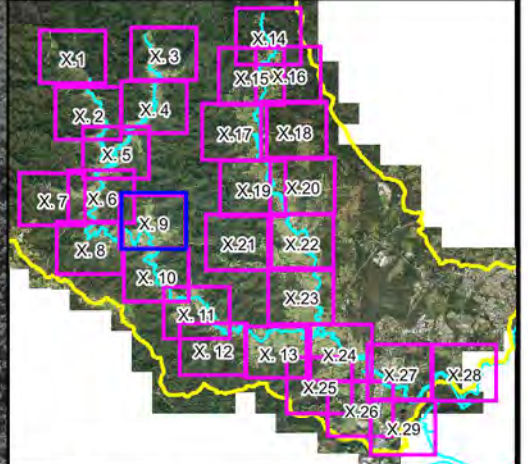
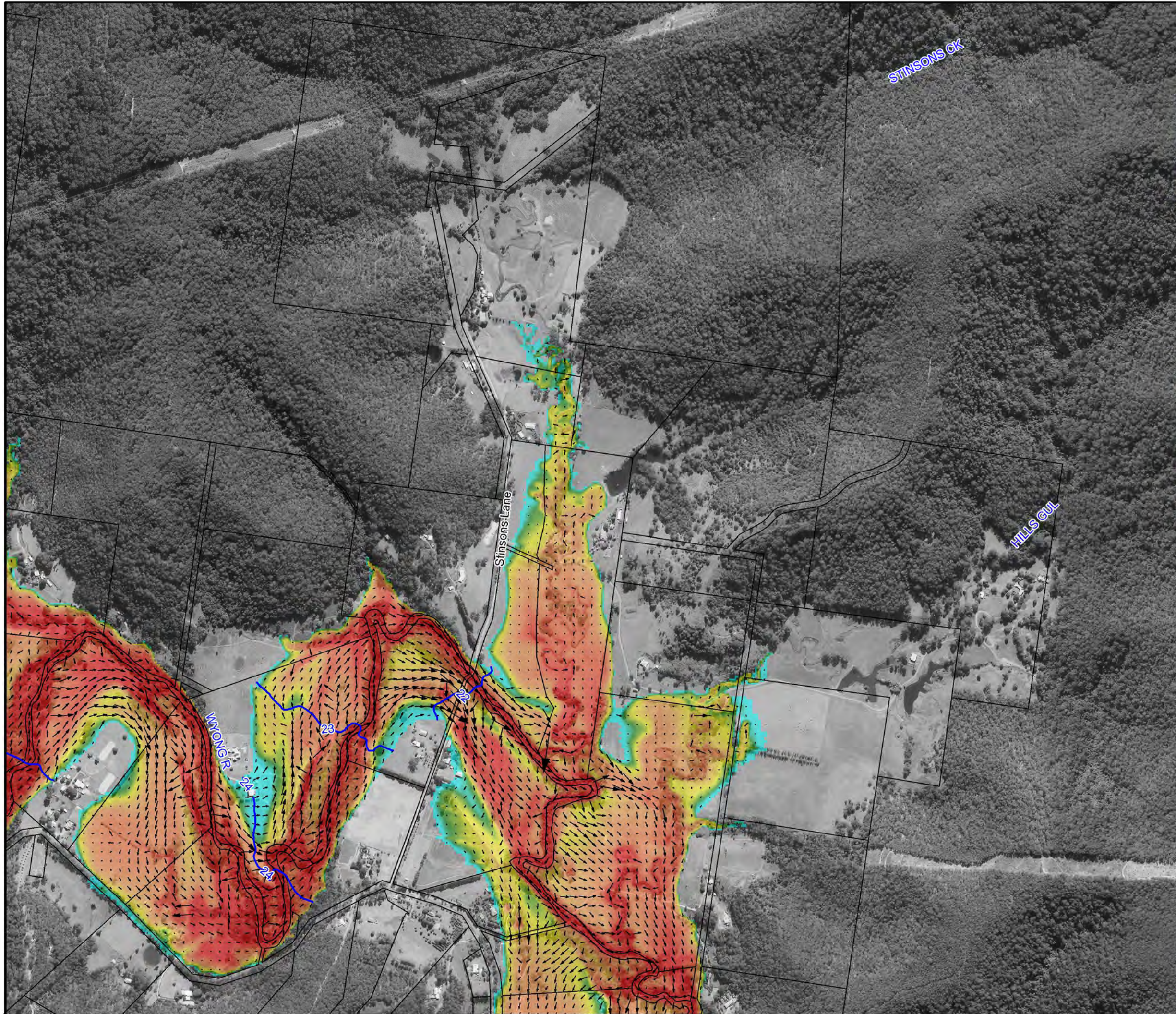


Figure A2.8:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.8 Peak Flood Depths 5% AEP.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

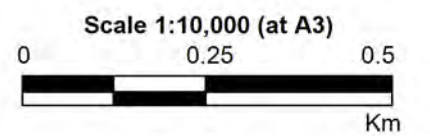
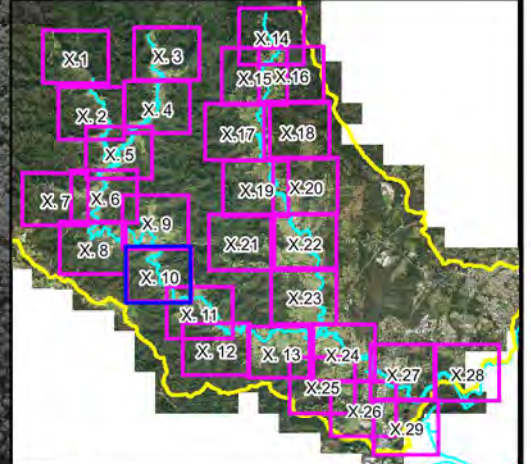


Figure A2.9:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.9 Peak Flood Depths 5% AEP.wor



LEGEND

6 Peak Water Level Contour (mAHD)

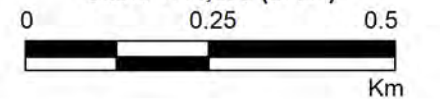
Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



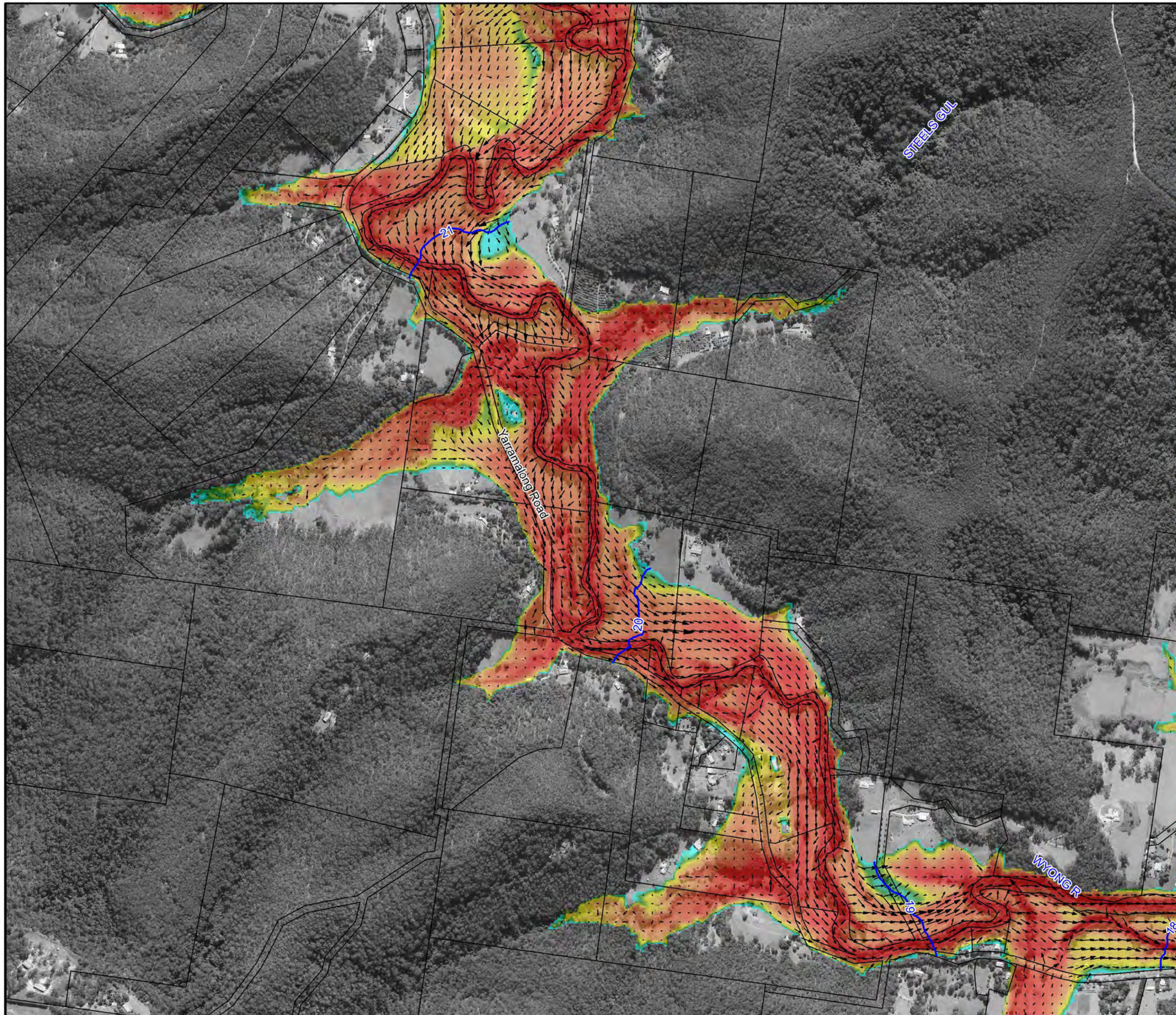
Scale 1:10,000 (at A3)

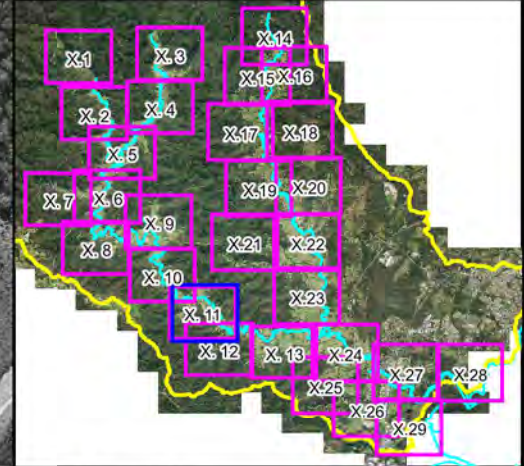


**Figure A2.10:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.10 Peak Flood
Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

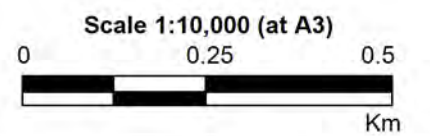
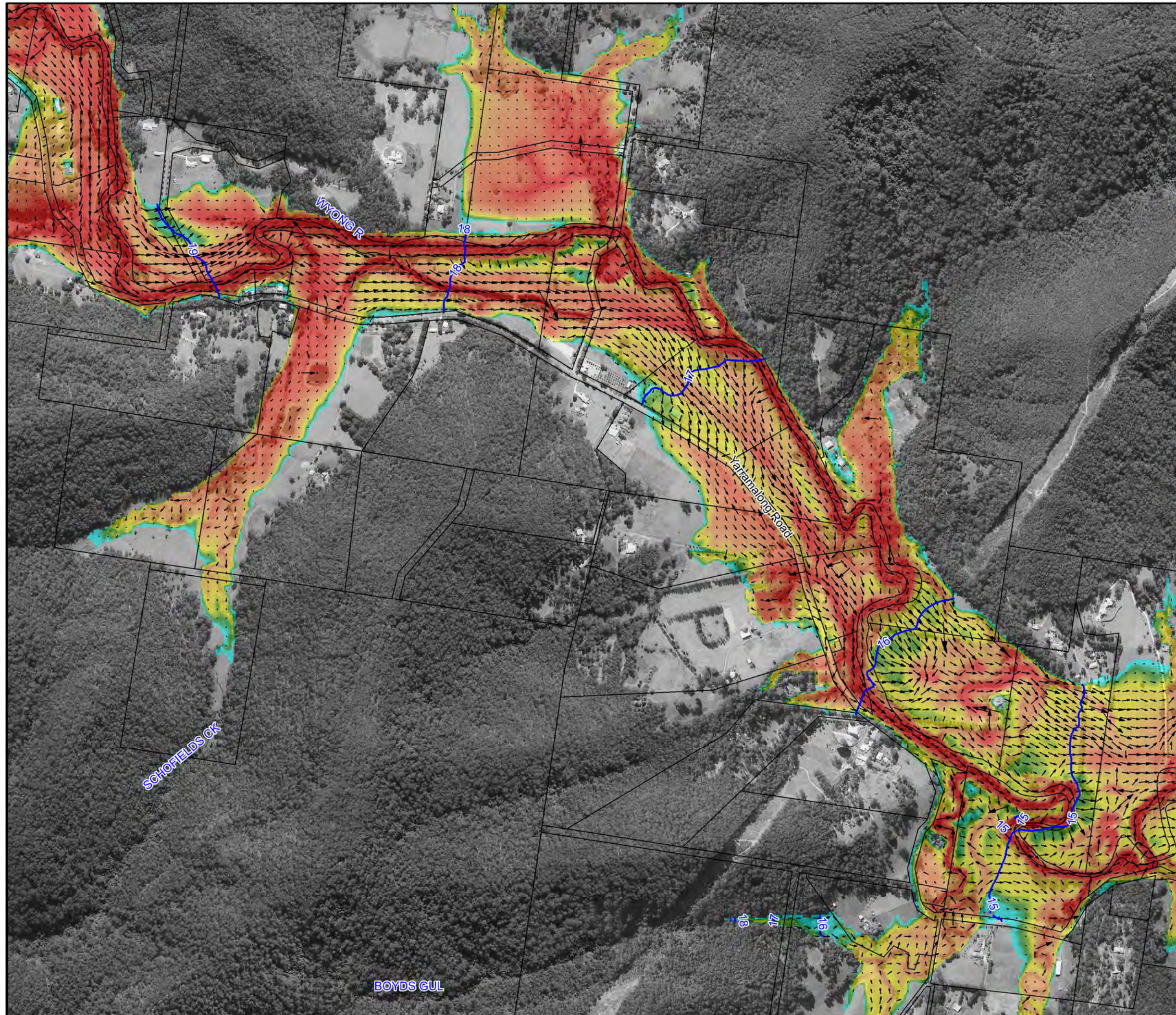
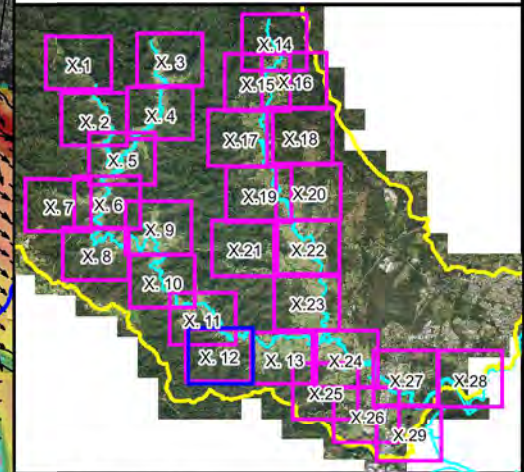


Figure A2.11:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.11 Peak Flood Depths 5%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

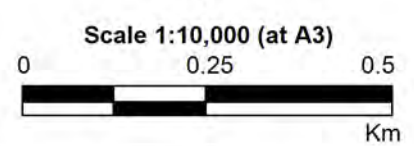
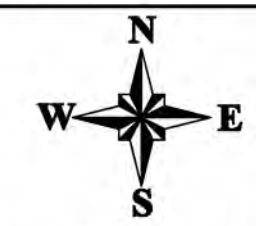
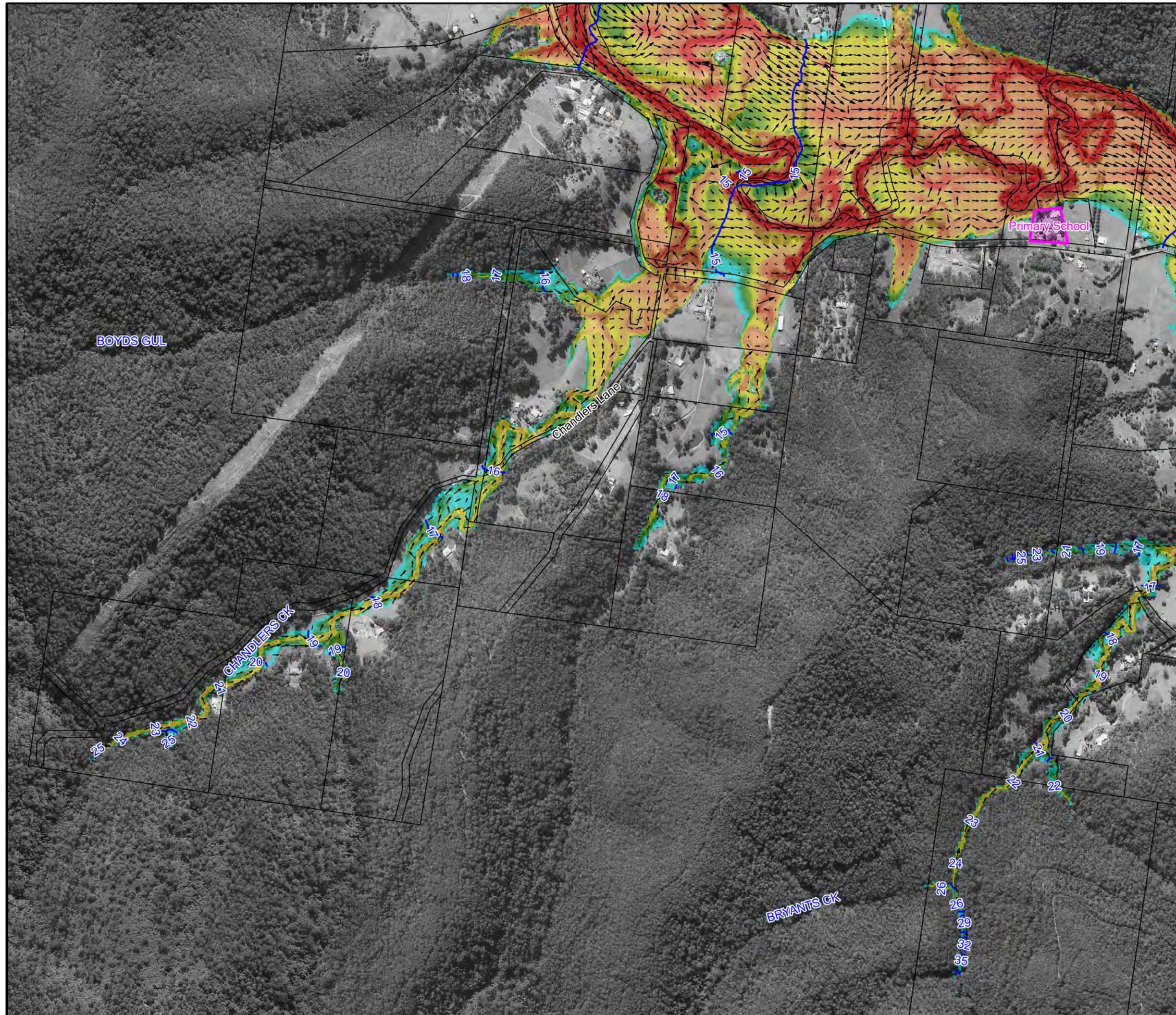
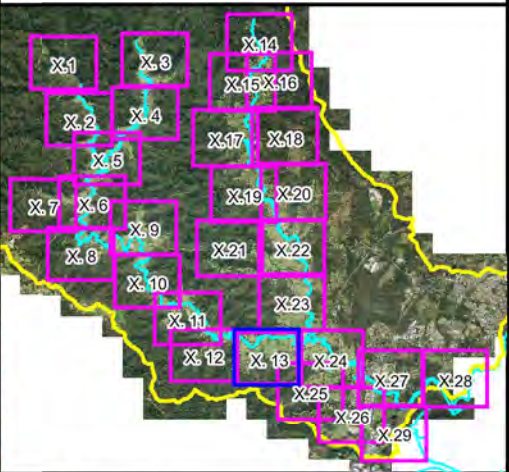
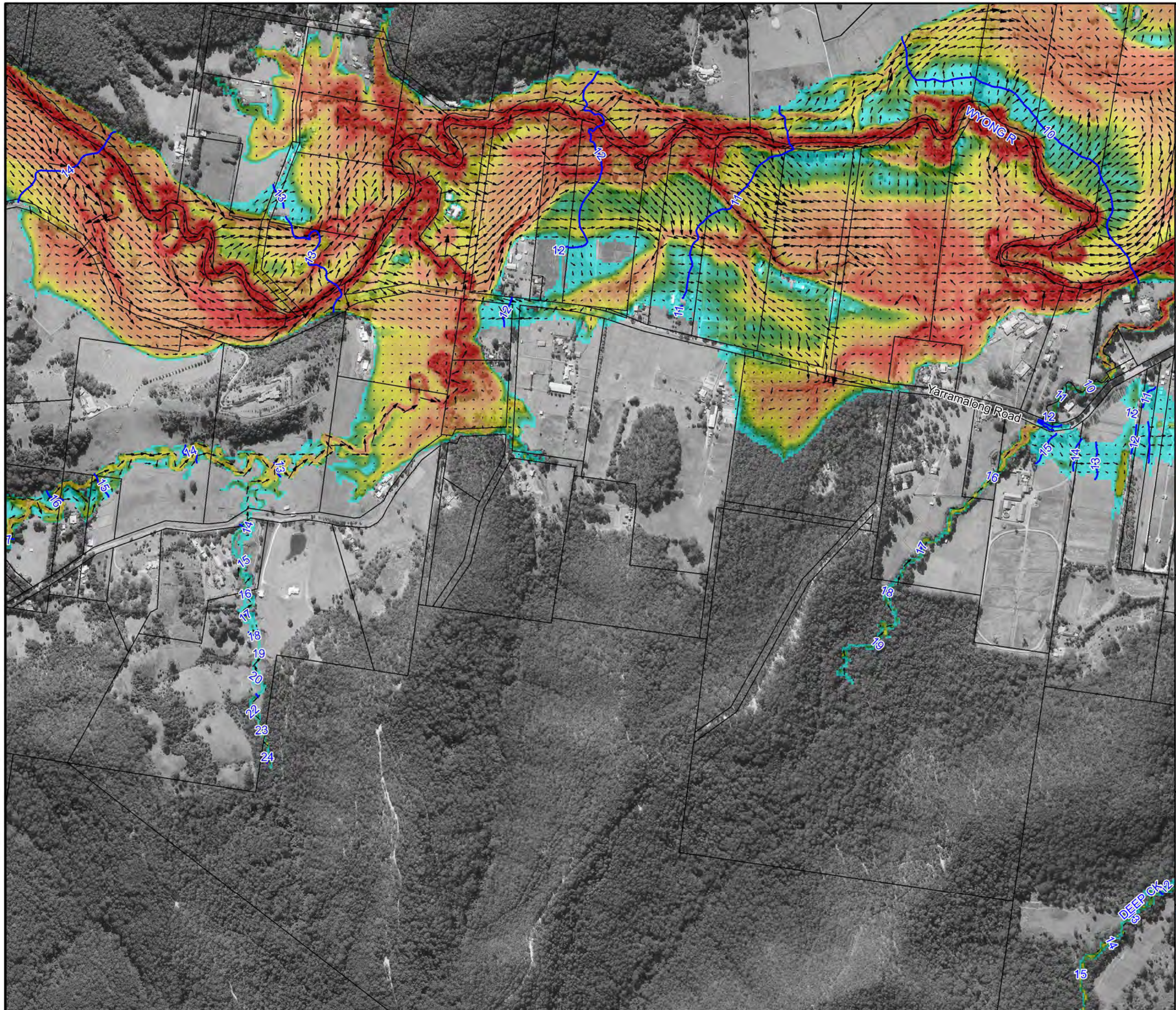


Figure A2.12:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.12 Peak Flood Depths 5%AEP.wor



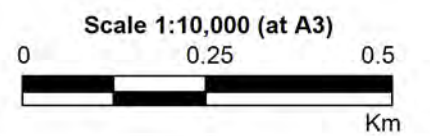


LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|--|---|
| <= 0.2 | — 1 m/s |
| 0.5 | → 2 m/s |
| 1.0 | → 4 m/s |
| 2.0 | |
| 3.0 | |

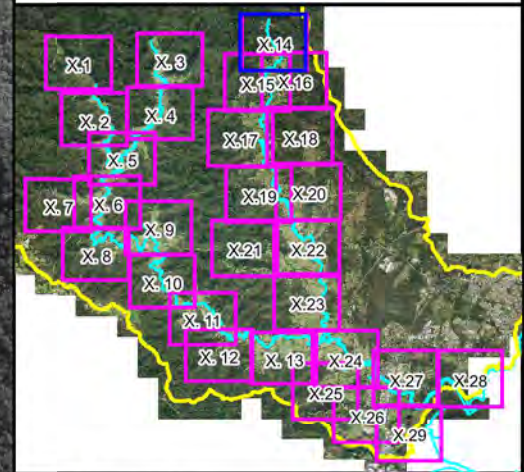
Notes:
Aerial photograph dated 2014



**Figure A2.13:
Peak Floodwater Depths,
Velocities and Levels
for the 5% AEP Flood**

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.13 Peak Flood
Depths 5% AEP.wor



LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

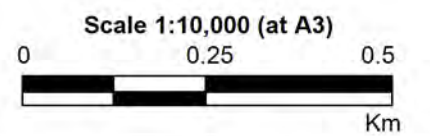
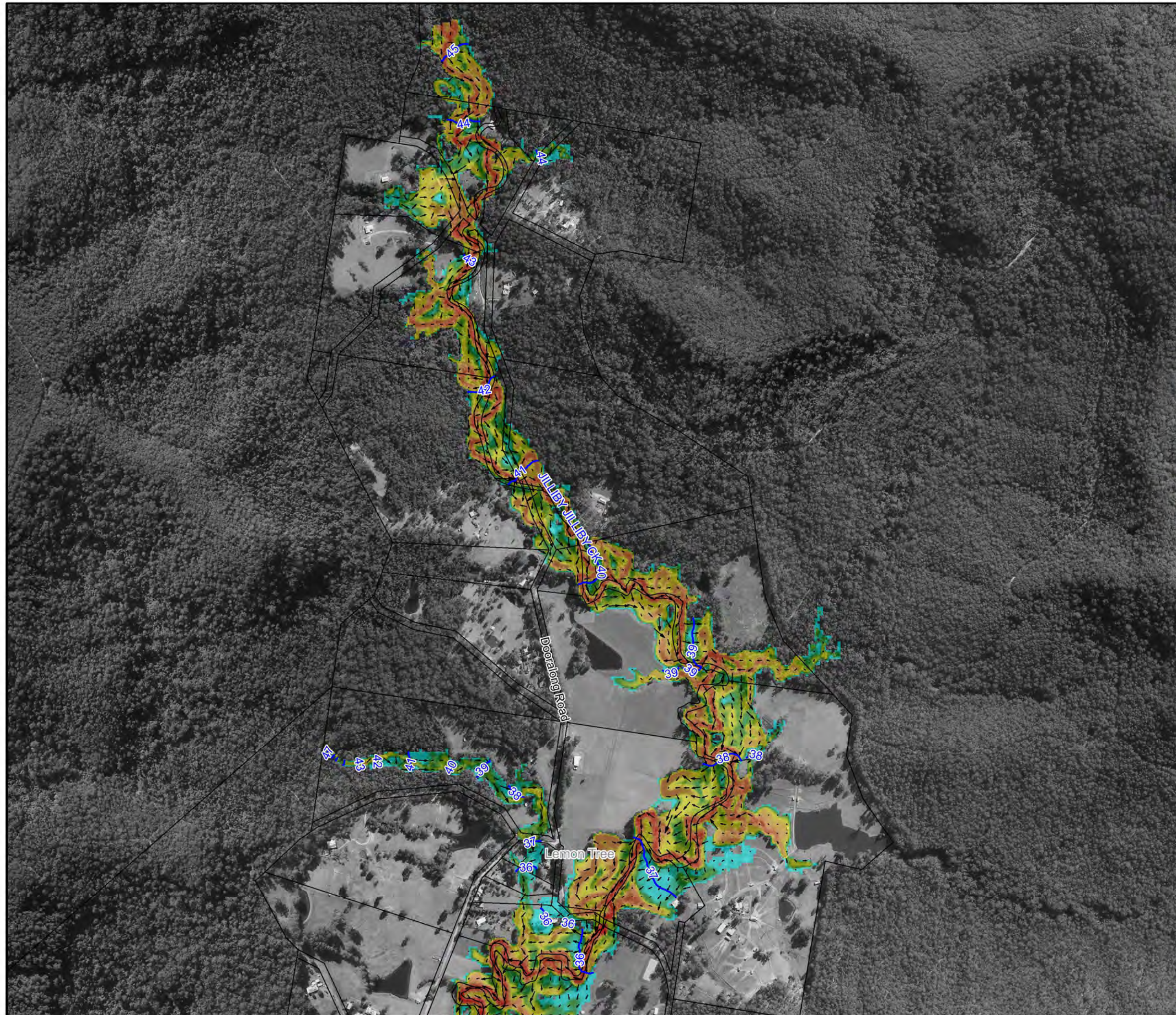
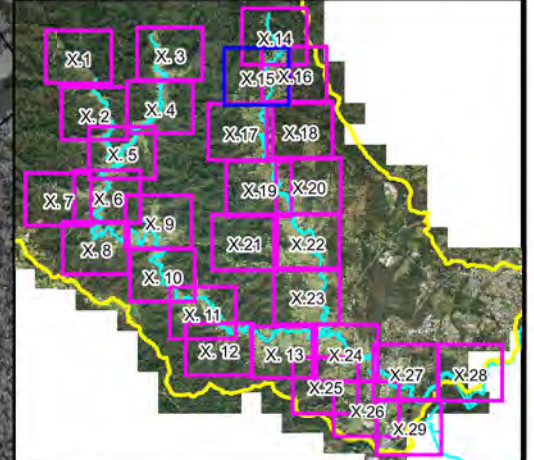


Figure A2.14:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.14 Peak Flood Depths 5%AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

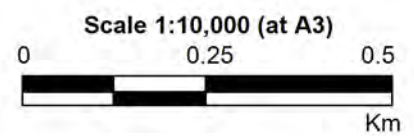
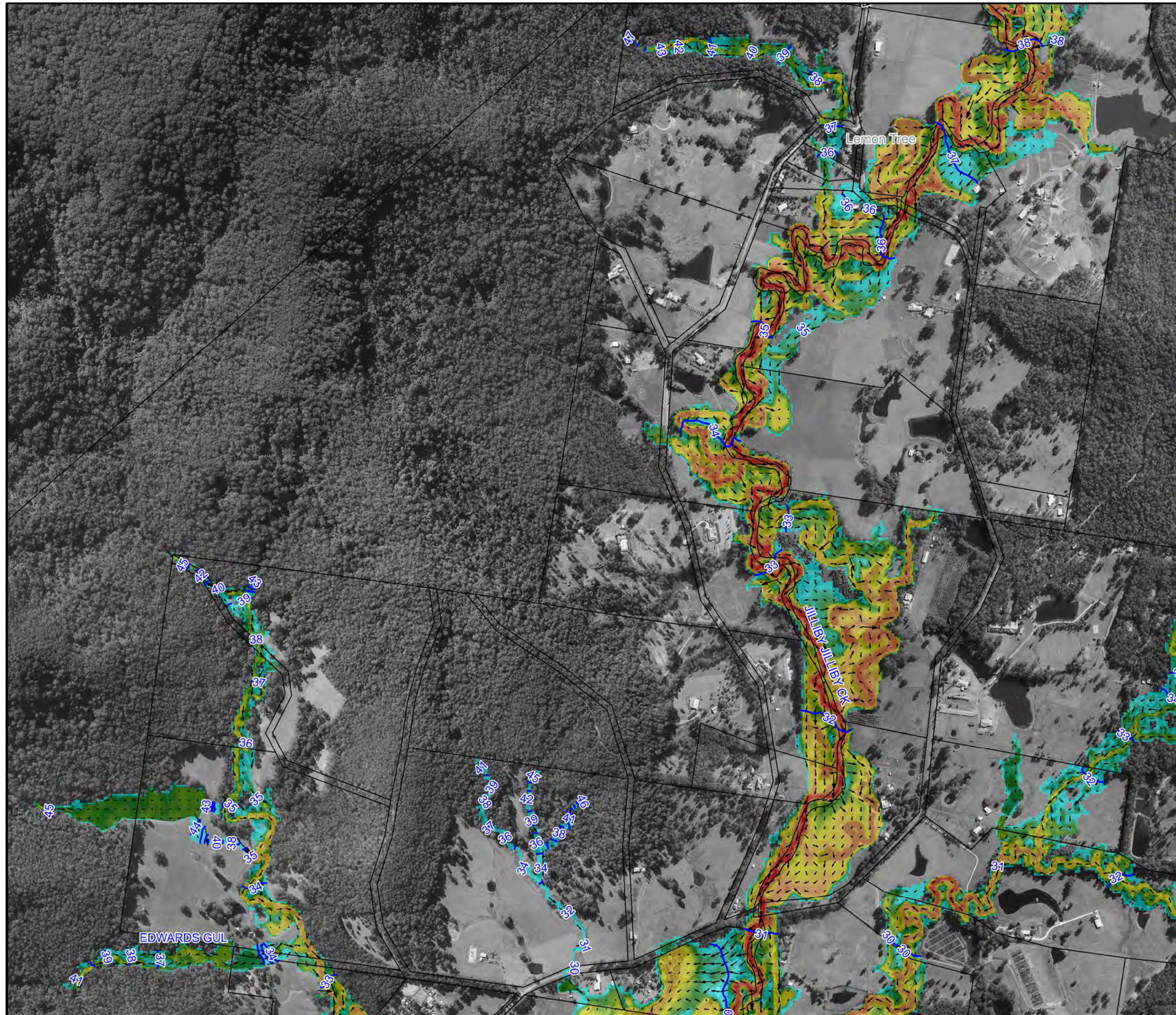
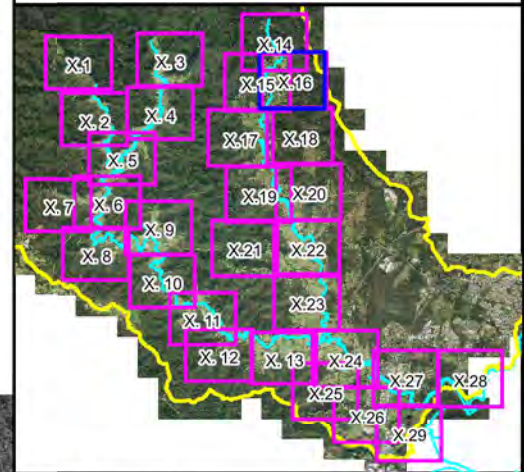
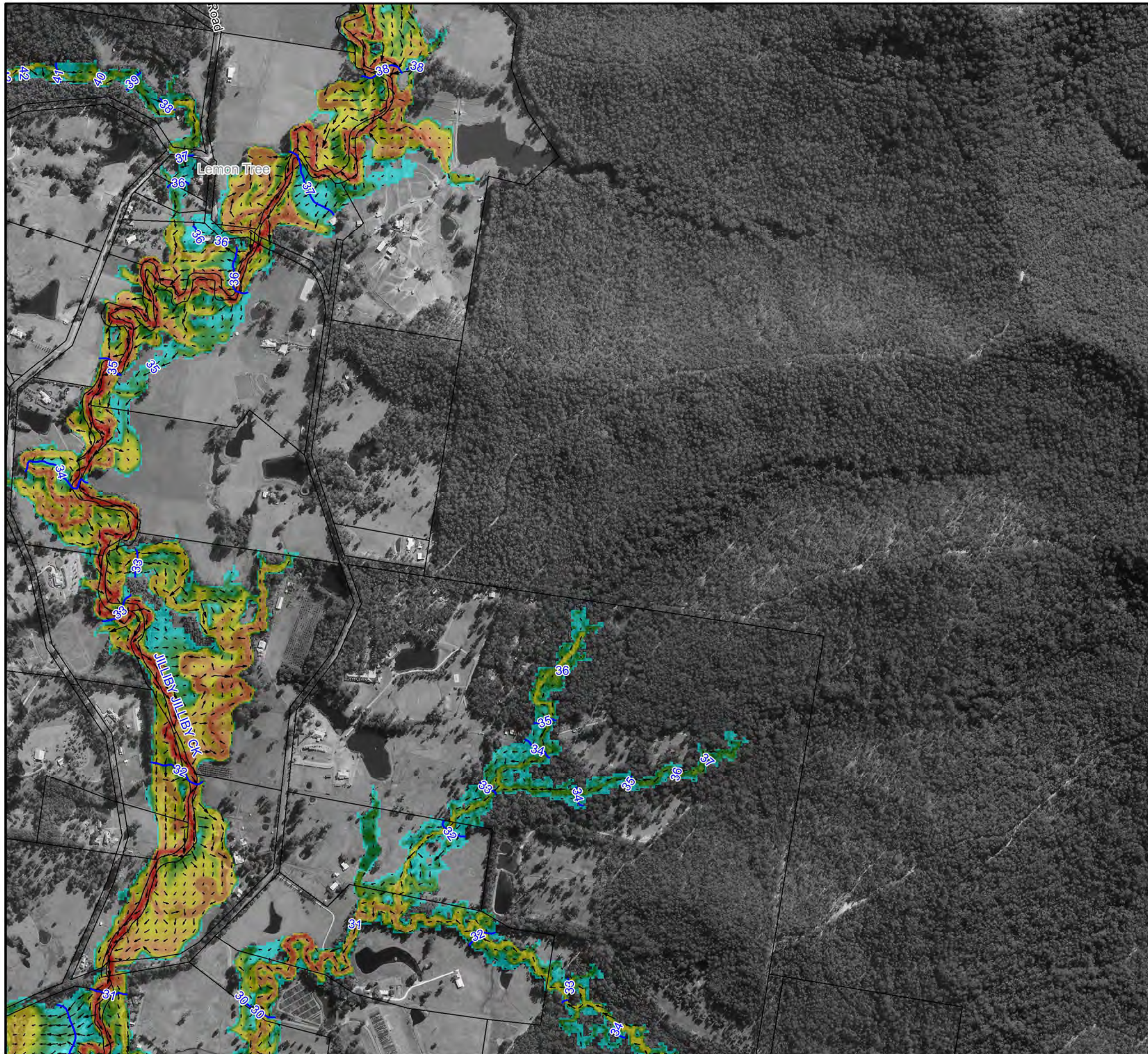


Figure A2.15:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood











Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.15 Peak Flood Depths 5%AEP.wor

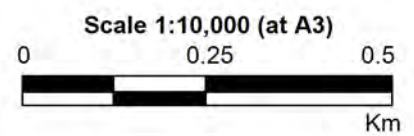
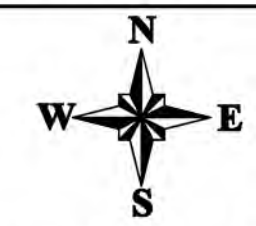





LEGEND

-  Peak Water Level Contour (mAHD)
 -  Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|---|---|
|  ≤ 0.2 |  1 m/s |
|  0.5 |  2 m/s |
|  1.0 |  4 m/s |
|  2.0 | |
|  3.0 | |

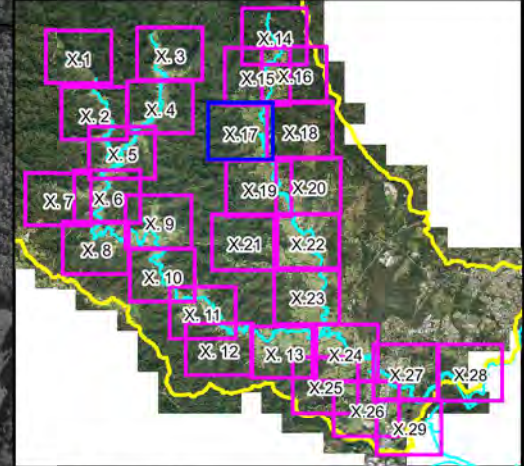
Notes:
Aerial photograph dated 2014



**Figure A2.16:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.16 Peak Flood
Depths 5%AEP.wor

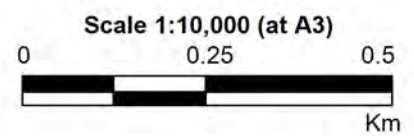


LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | — 1 m/s |
| 0.5 | → 2 m/s |
| 1.0 | → 4 m/s |
| 2.0 | |
| 3.0 | |

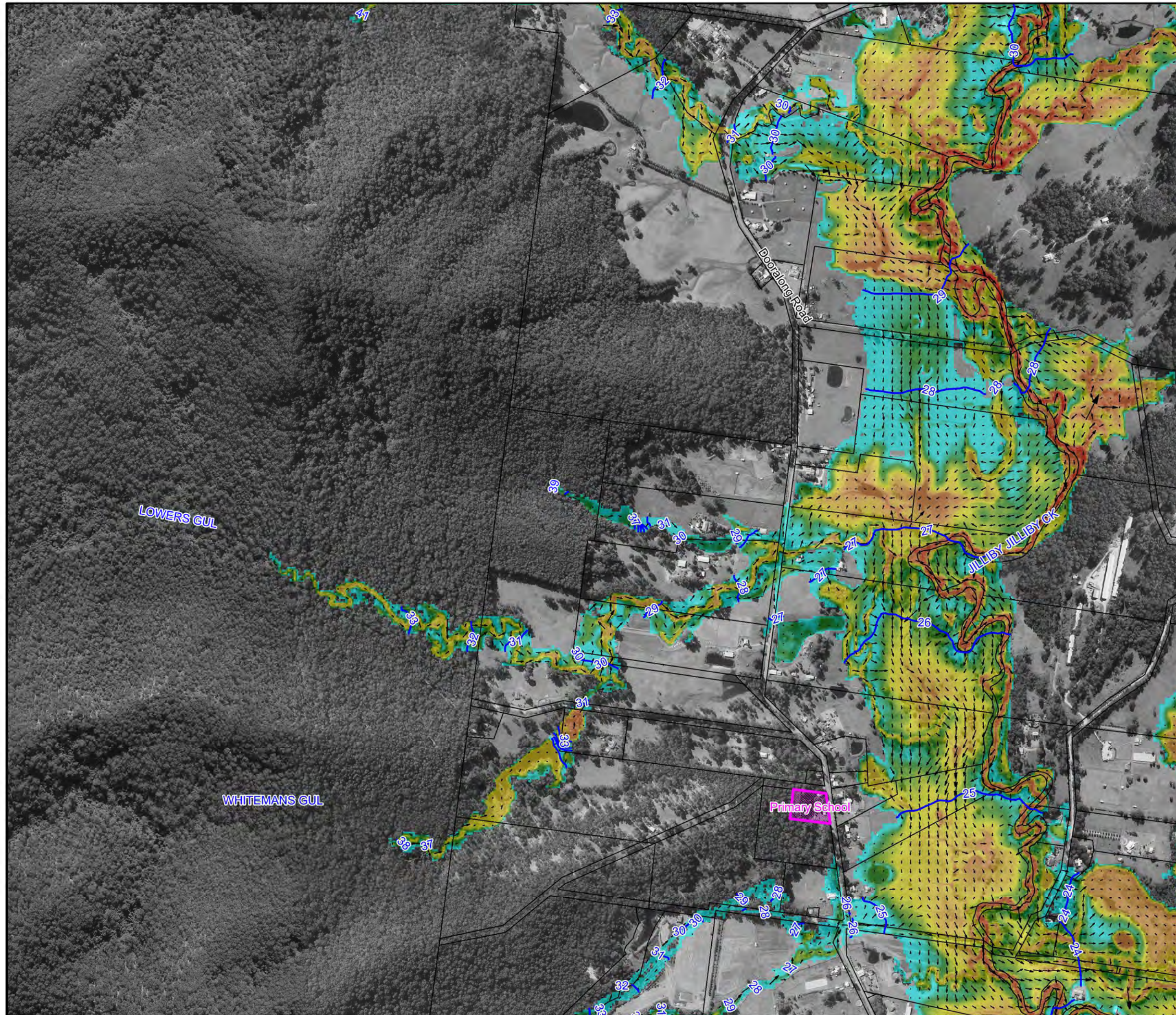
Notes:
Aerial photograph dated 2014

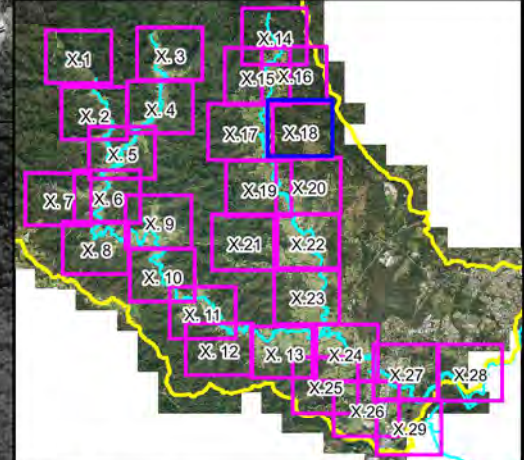


**Figure A2.17:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.17 Peak Flood
Depths 5%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

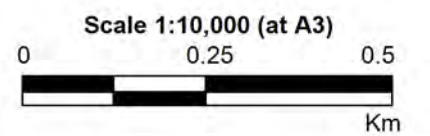
Depths (m)

| | |
|--|--------|
| | <= 0.2 |
| | 0.5 |
| | 1.0 |
| | 2.0 |
| | 3.0 |

Velocity Vector (m/s)

| | |
|--|-------|
| | 1 m/s |
| | 2 m/s |
| | 4 m/s |

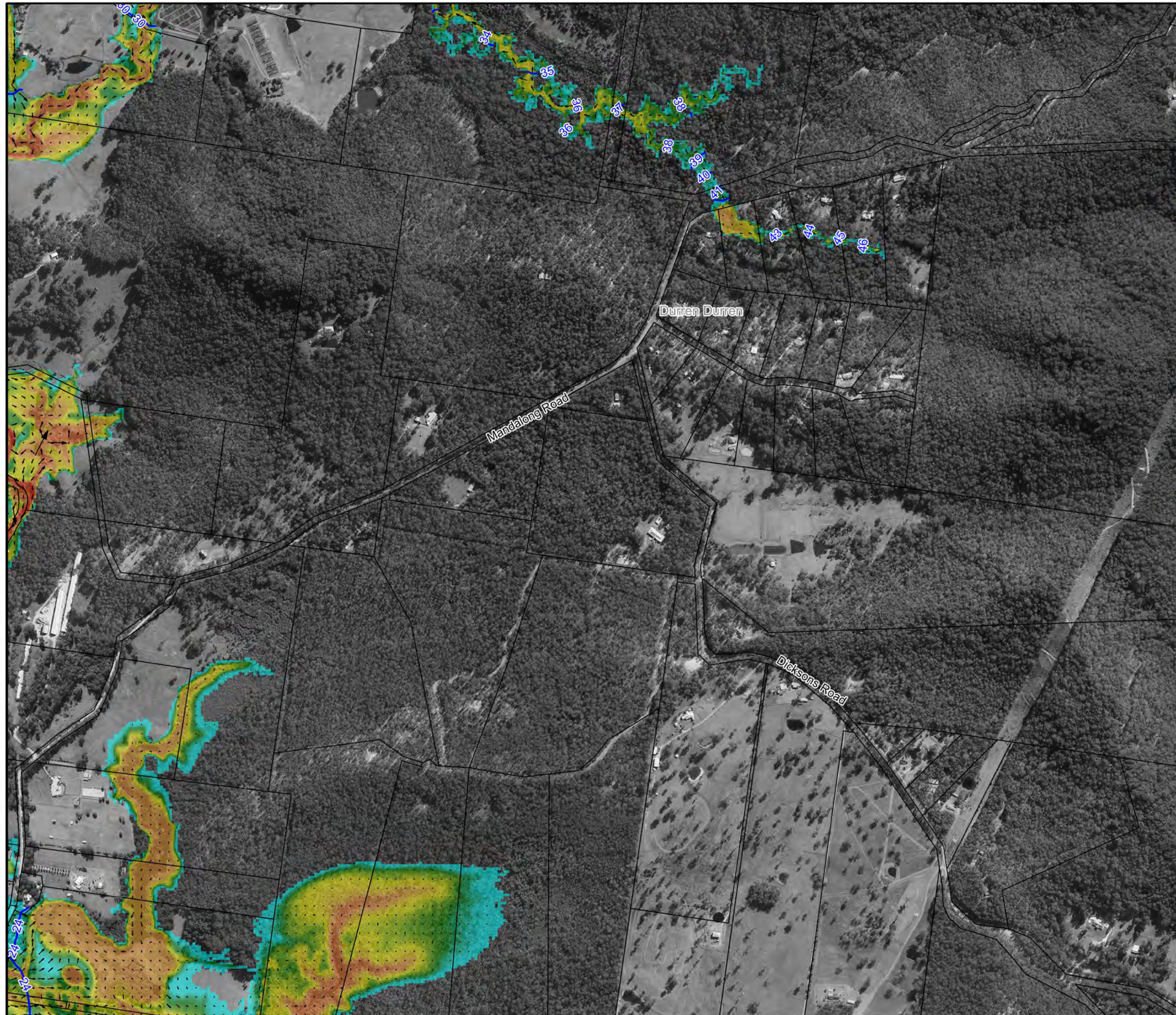
Notes:
Aerial photograph dated 2014

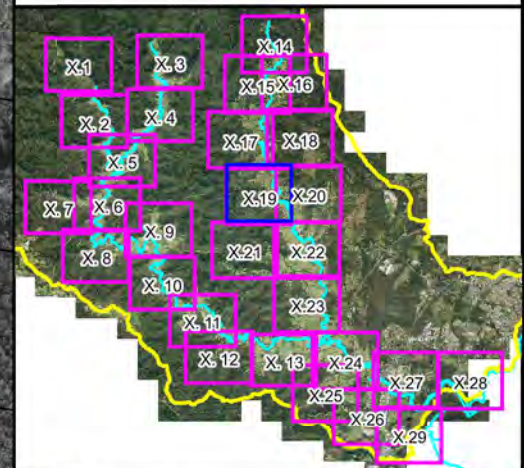


**Figure A2.18:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.18 Peak Flood
Depths 5%AEP.wor

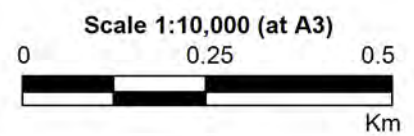
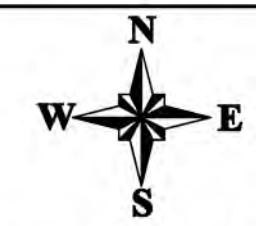




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

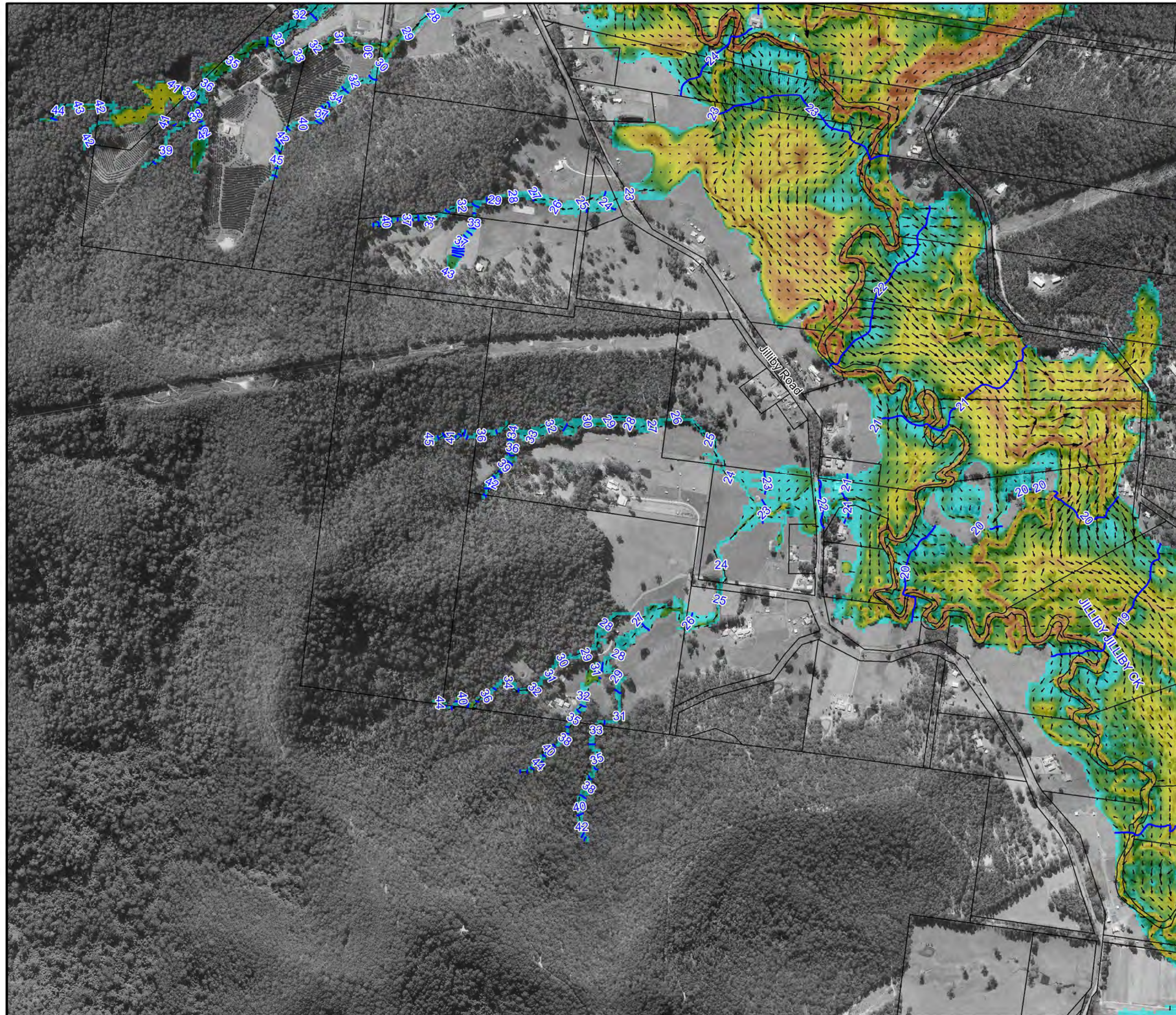
Notes:
Aerial photograph dated 2014

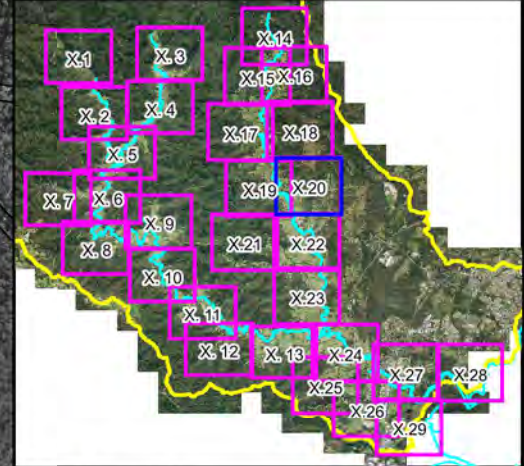


**Figure A2.19:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.19 Peak Flood
Depths 5%AEP.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|--|--|
| ■ <= 0.2 | — 1 m/s |
| ■ 0.5 | — 2 m/s |
| ■ 1.0 | — 4 m/s |
| ■ 2.0 | |
| ■ 3.0 | |

Notes:
Aerial photograph dated 2014

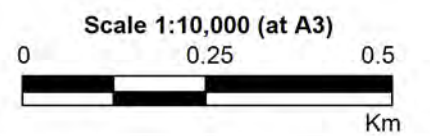
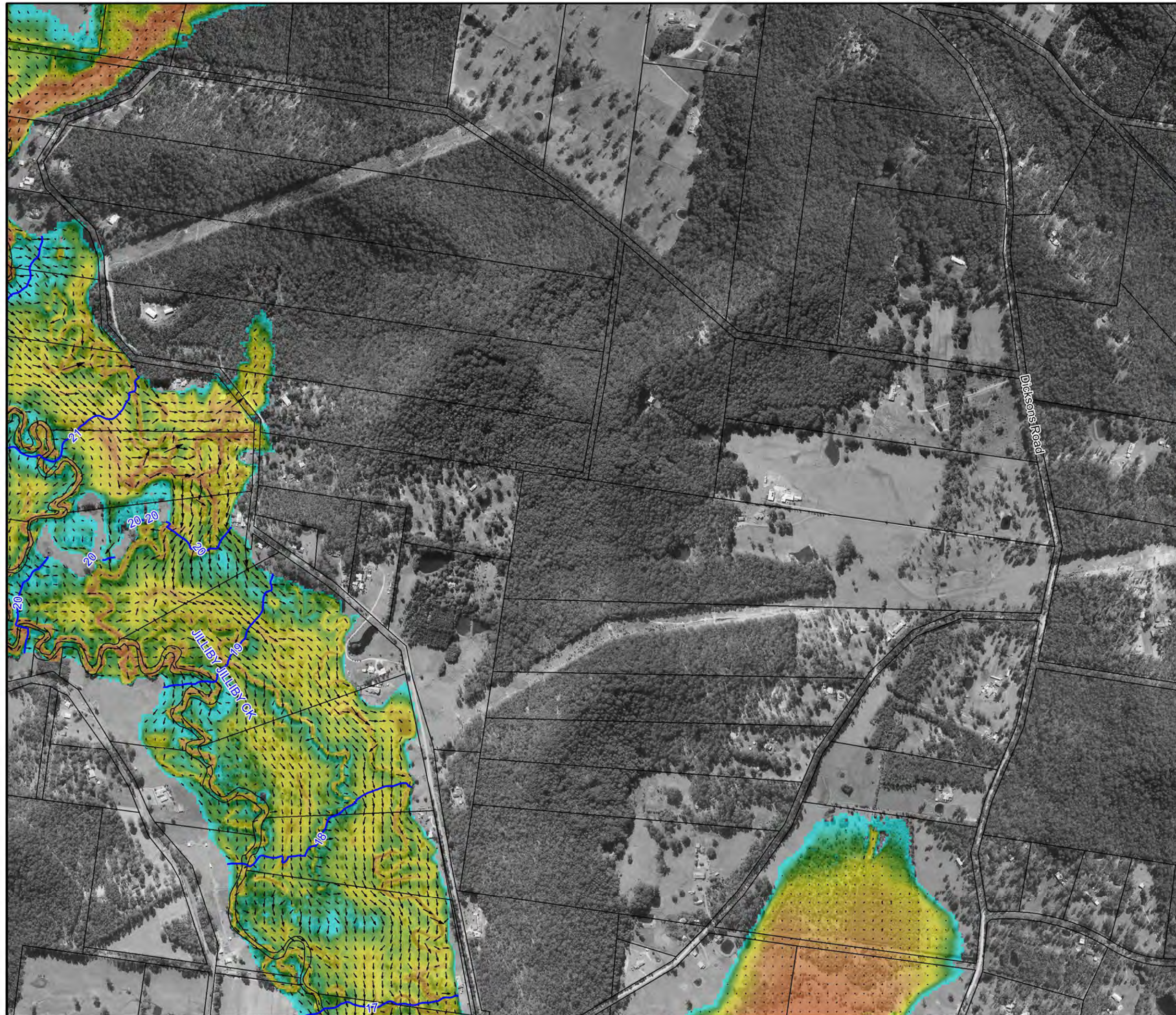
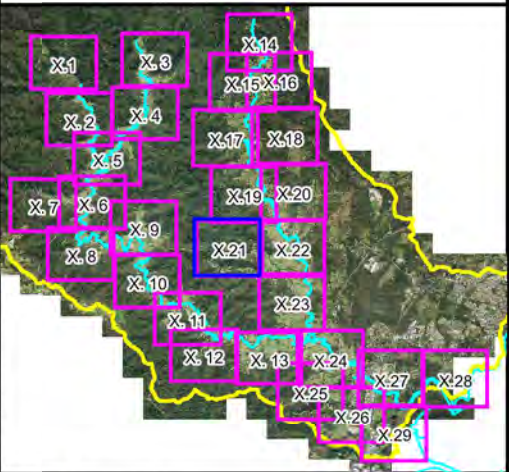
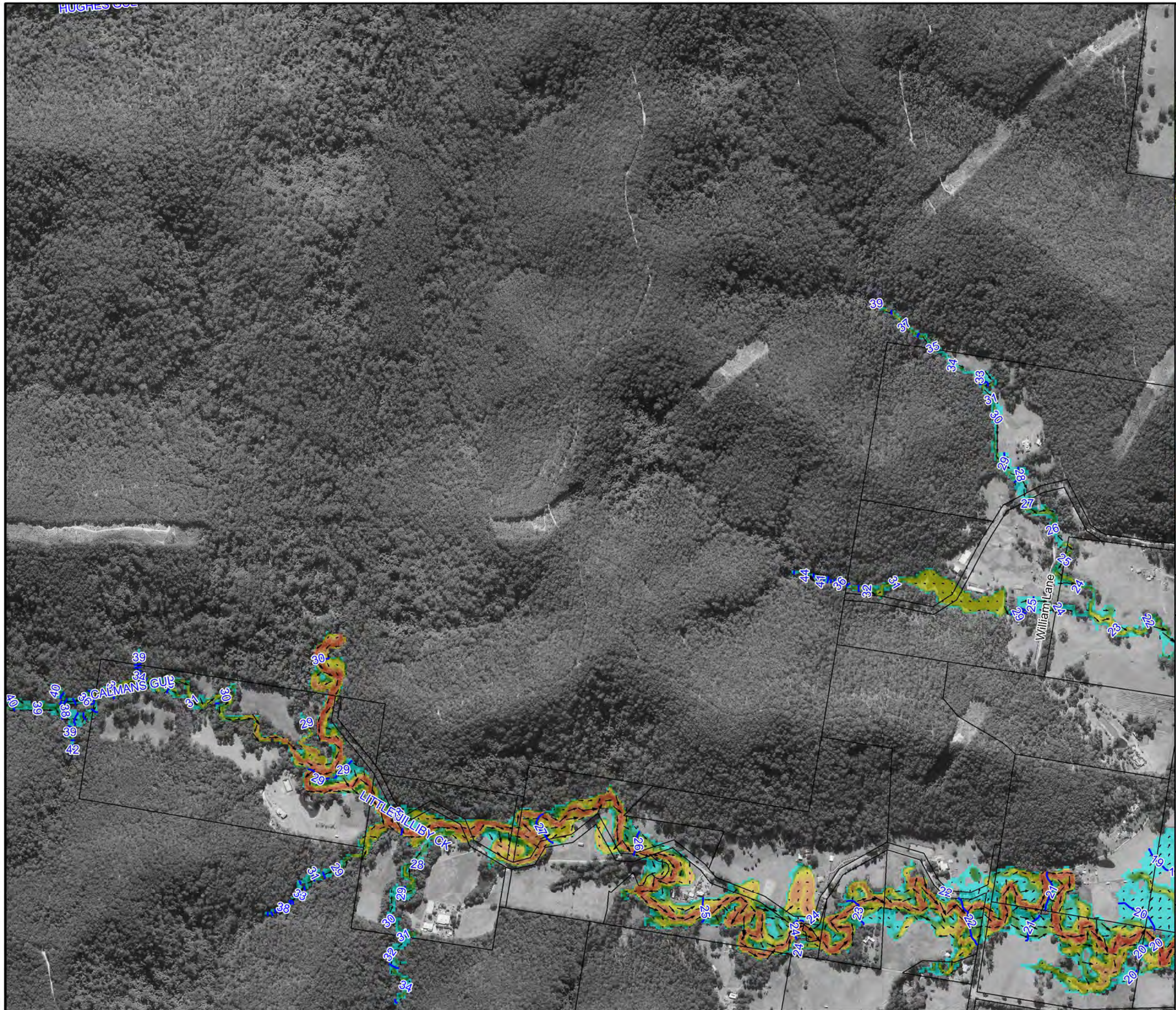


Figure A2.20:
Peak Floodwater Depths, Velocities and Levels for the 5%AEP Flood

Prepared By:
Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000

File Name: Figure A2.20 Peak Flood Depths 5%AEP.wor





LEGEND

Peak Water Level Contour (mAHd)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

N
W E
S

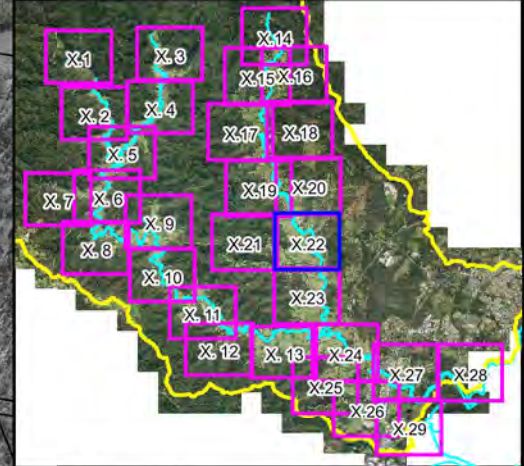
Scale 1:10,000 (at A3)

0 0.25 0.5
Km

**Figure A2.21:
Peak Floodwater Depths,
Velocities and Levels
for the 5% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.21 Peak Flood
Depths 5% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

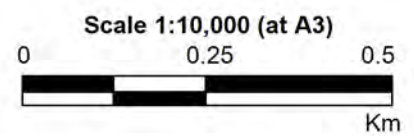
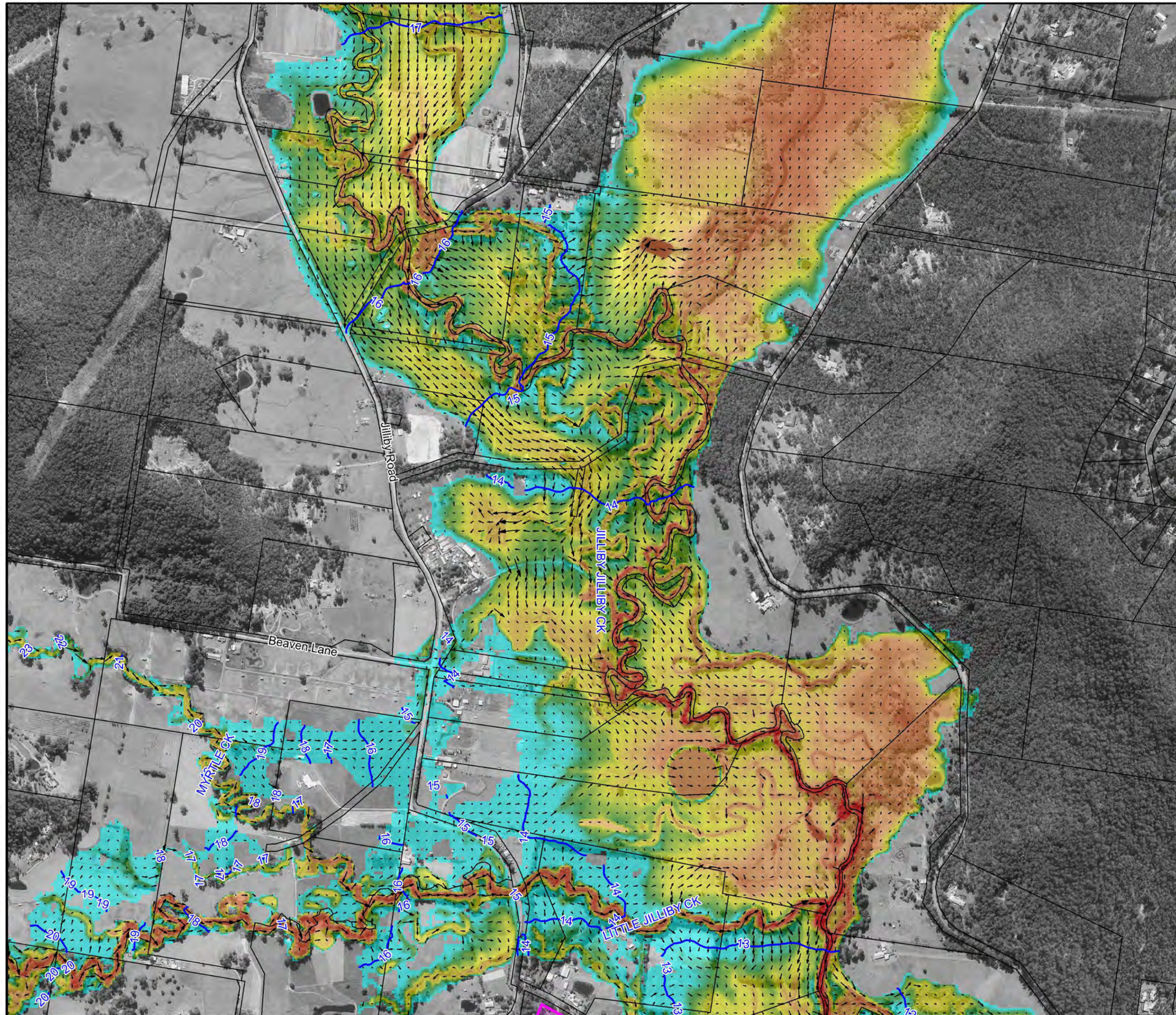
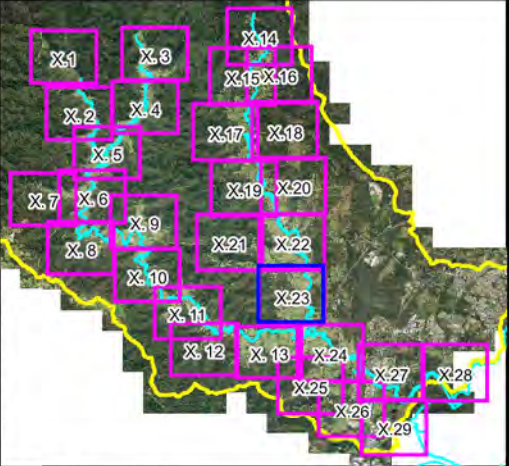
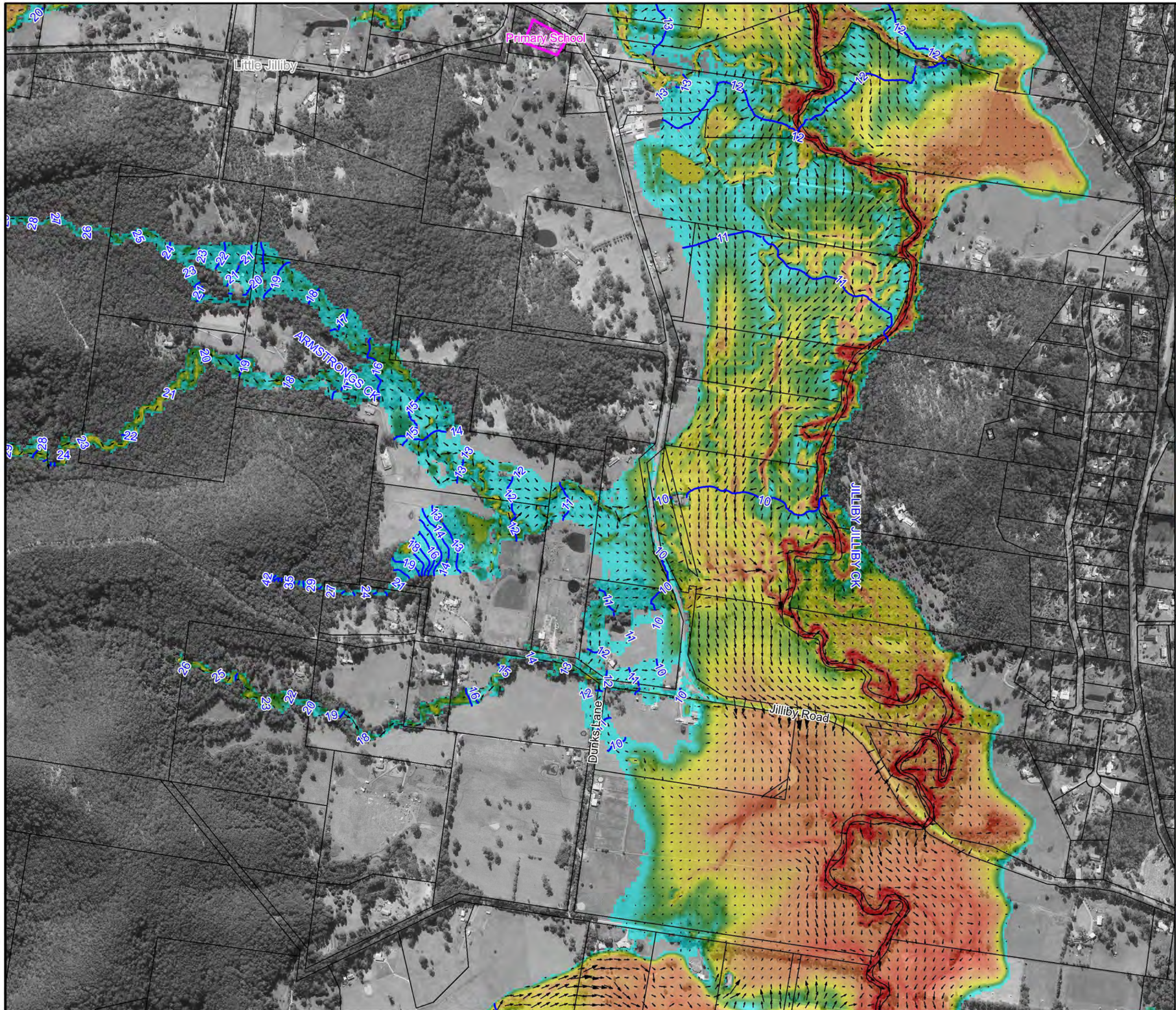


Figure A2.22:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.22 Peak Flood Depths 5% AEP.wor

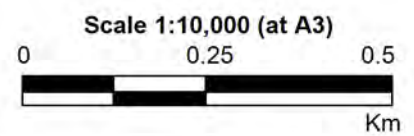




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

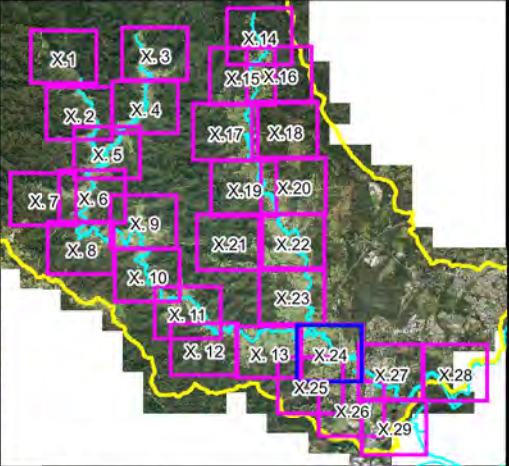
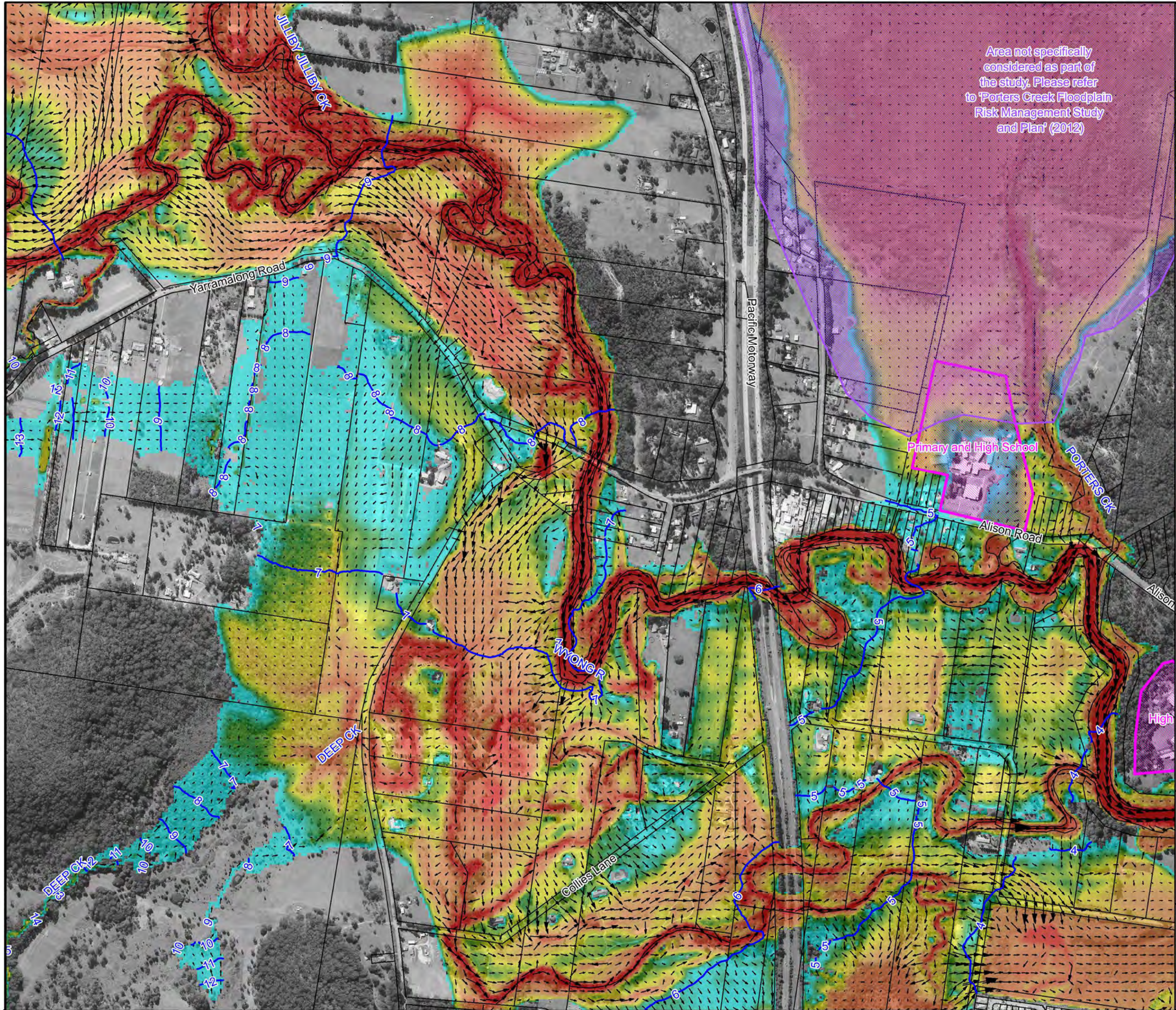
Notes:
Aerial photograph dated 2014



**Figure A2.23:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.23 Peak Flood
Depths 5%AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

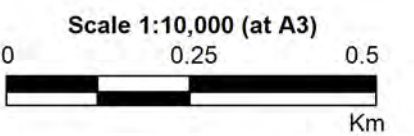
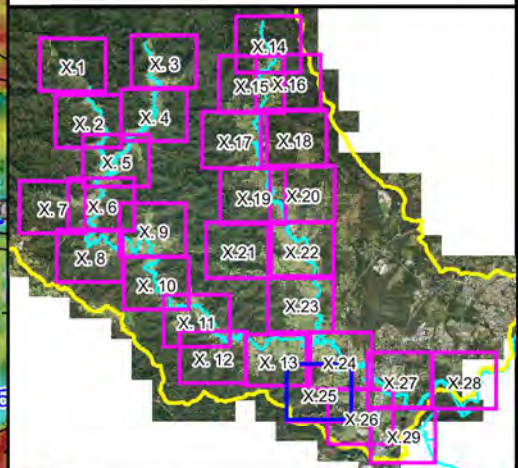


Figure A2.24:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.24 Peak Flood Depths 5% AEP.wor



LEGEND

6 Peak Water Level Contour (mAHD)

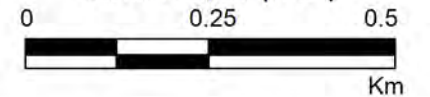
Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | 4 m/s |
| 3.0 | |

Notes:
Aerial photograph dated 2014



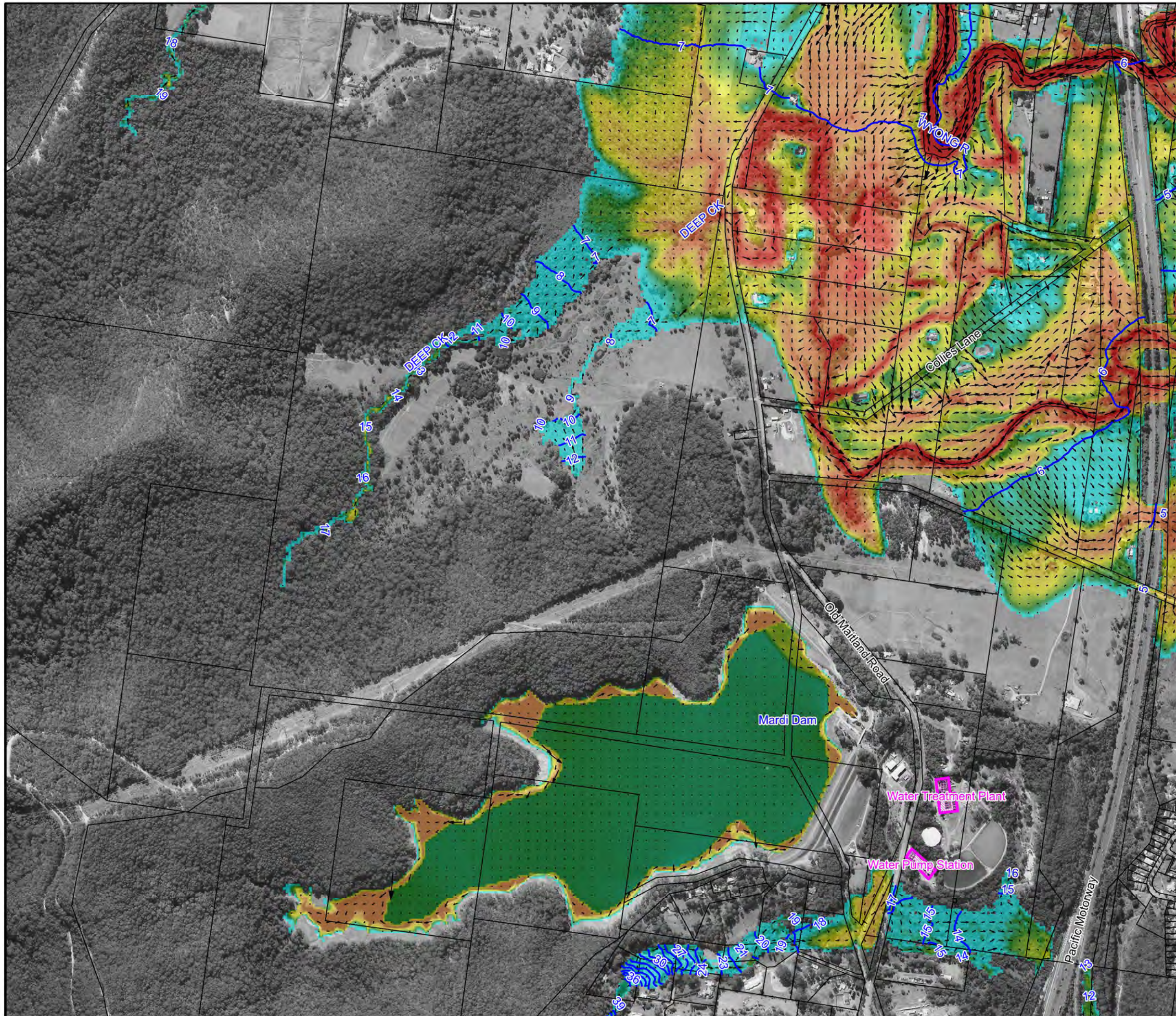
Scale 1:10,000 (at A3)

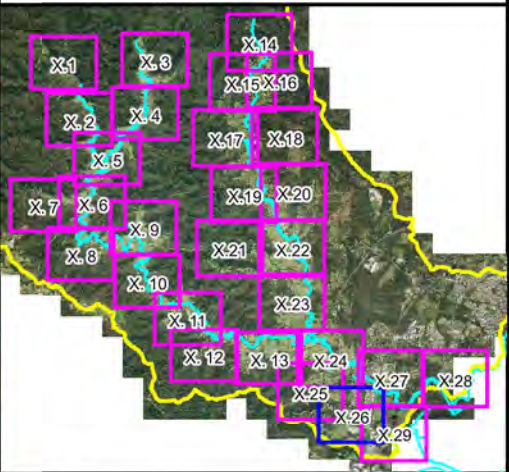
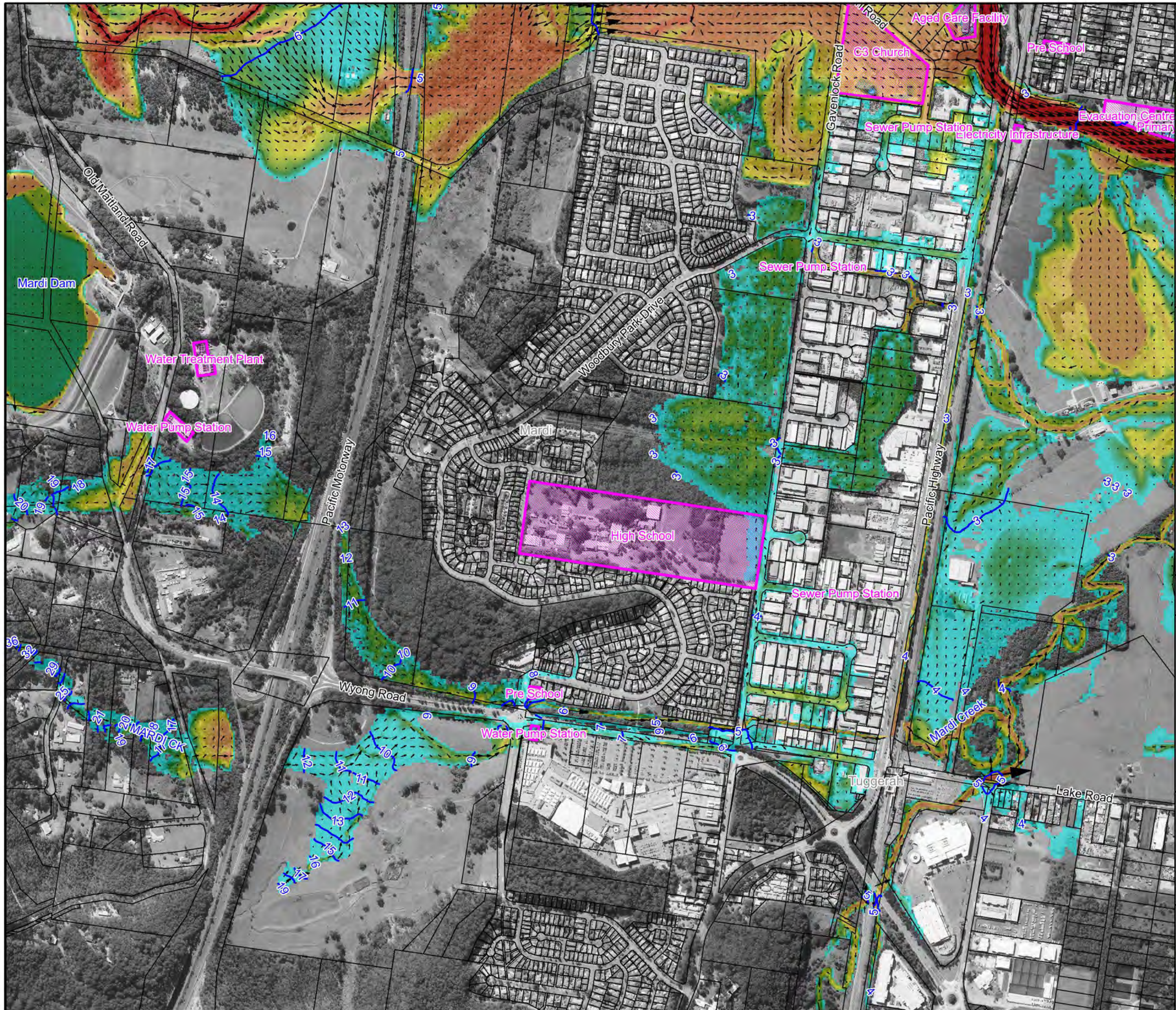


**Figure A2.25:
Peak Floodwater Depths,
Velocities and Levels
for the 5%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.25 Peak Flood
Depths 5%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

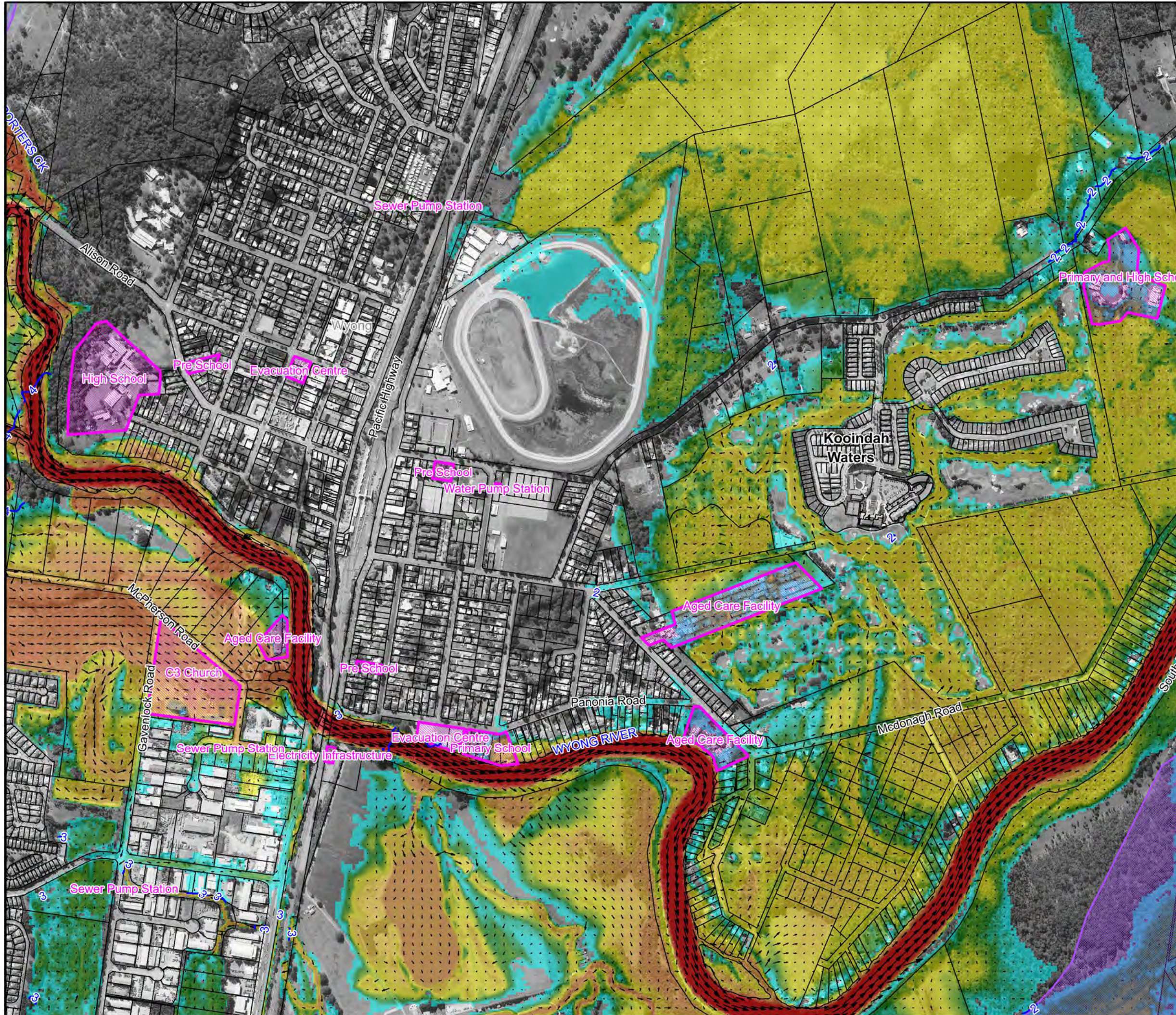
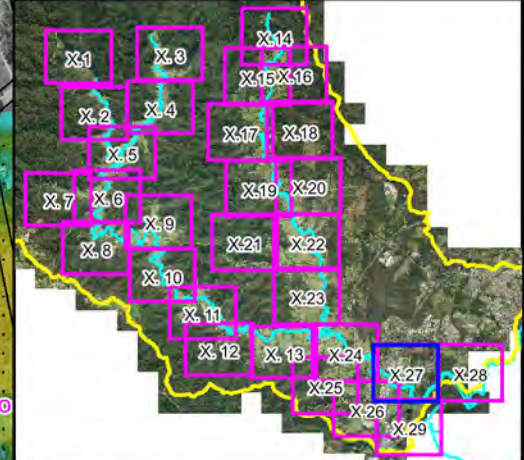
Notes:
Aerial photograph dated 2014

Scale 1:10,000 (at A3)

Figure A2.26:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.26 Peak Flood Depths 5% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

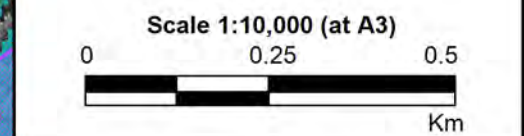
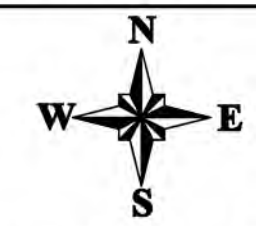
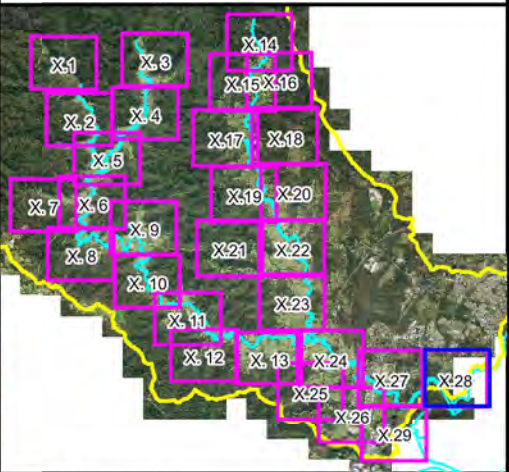
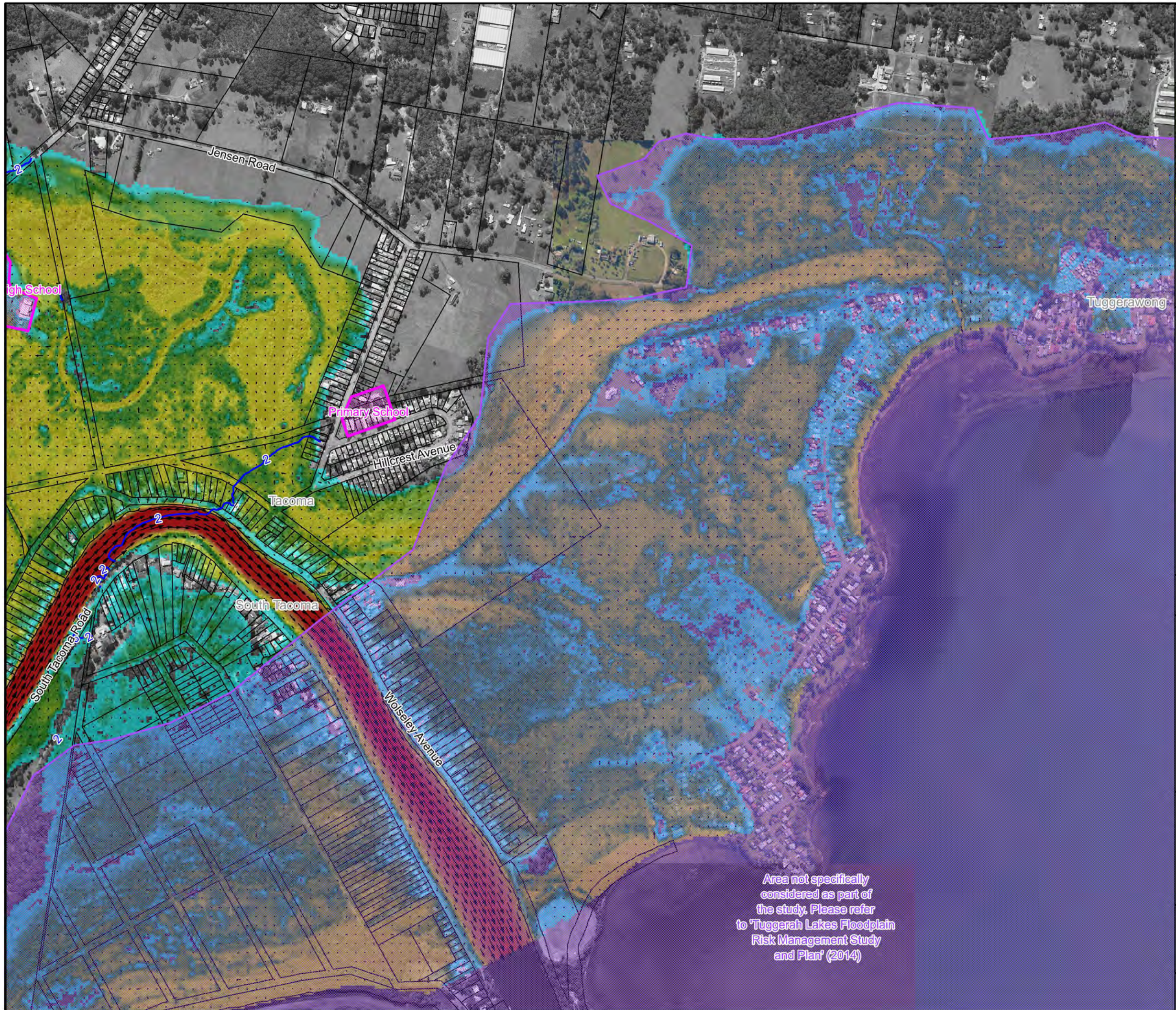


Figure A2.27:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.27 Peak Flood Depths 5% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

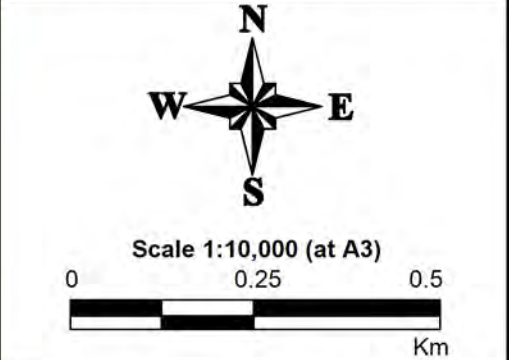
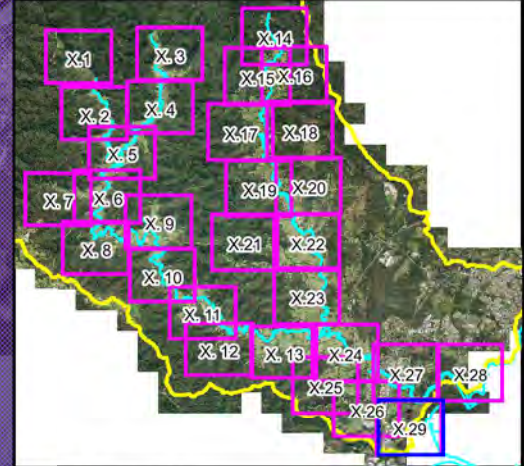


Figure A2.28:
Peak Floodwater Depths, Velocities and Levels for the 5% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.28 Peak Flood Depths 5% AEP.wor

Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)



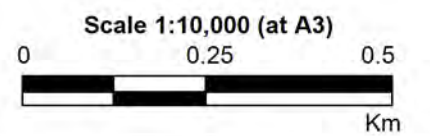
LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

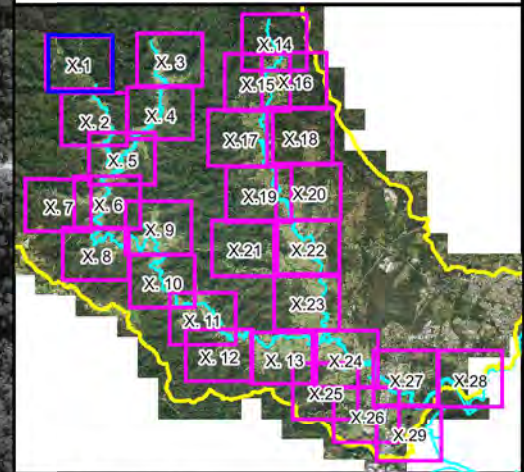


**Figure A2.29:
Peak Floodwater Depths,
Velocities and Levels
for the 5% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A2.29 Peak Flood
Depths 5% AEP.wor

Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

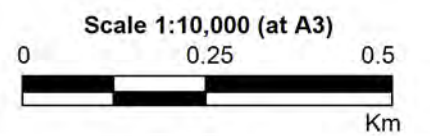
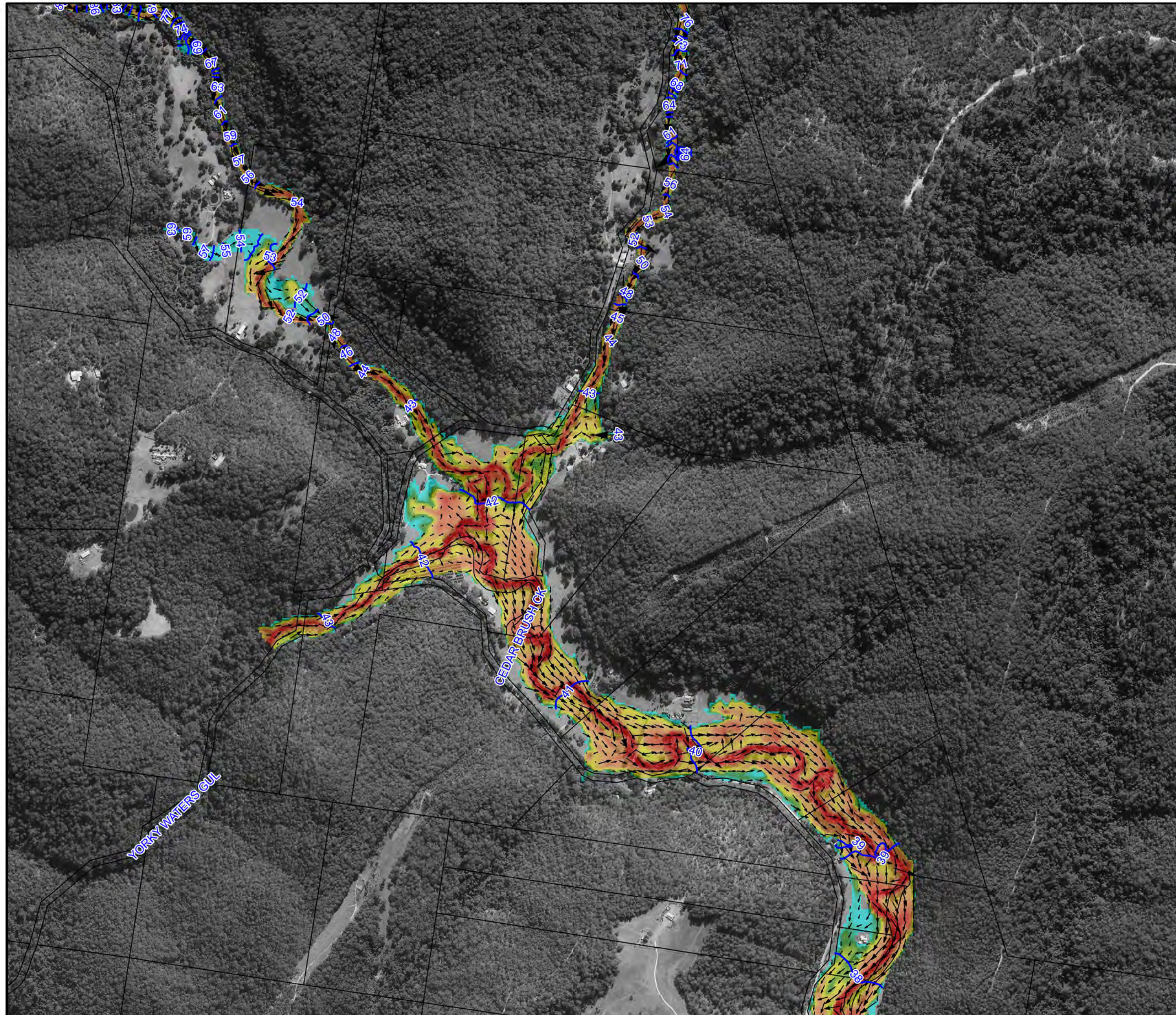
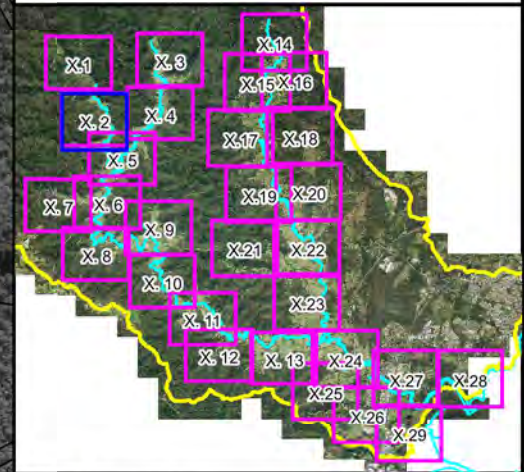


Figure A3.1:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.1 Peak Flood
Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

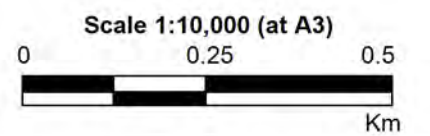
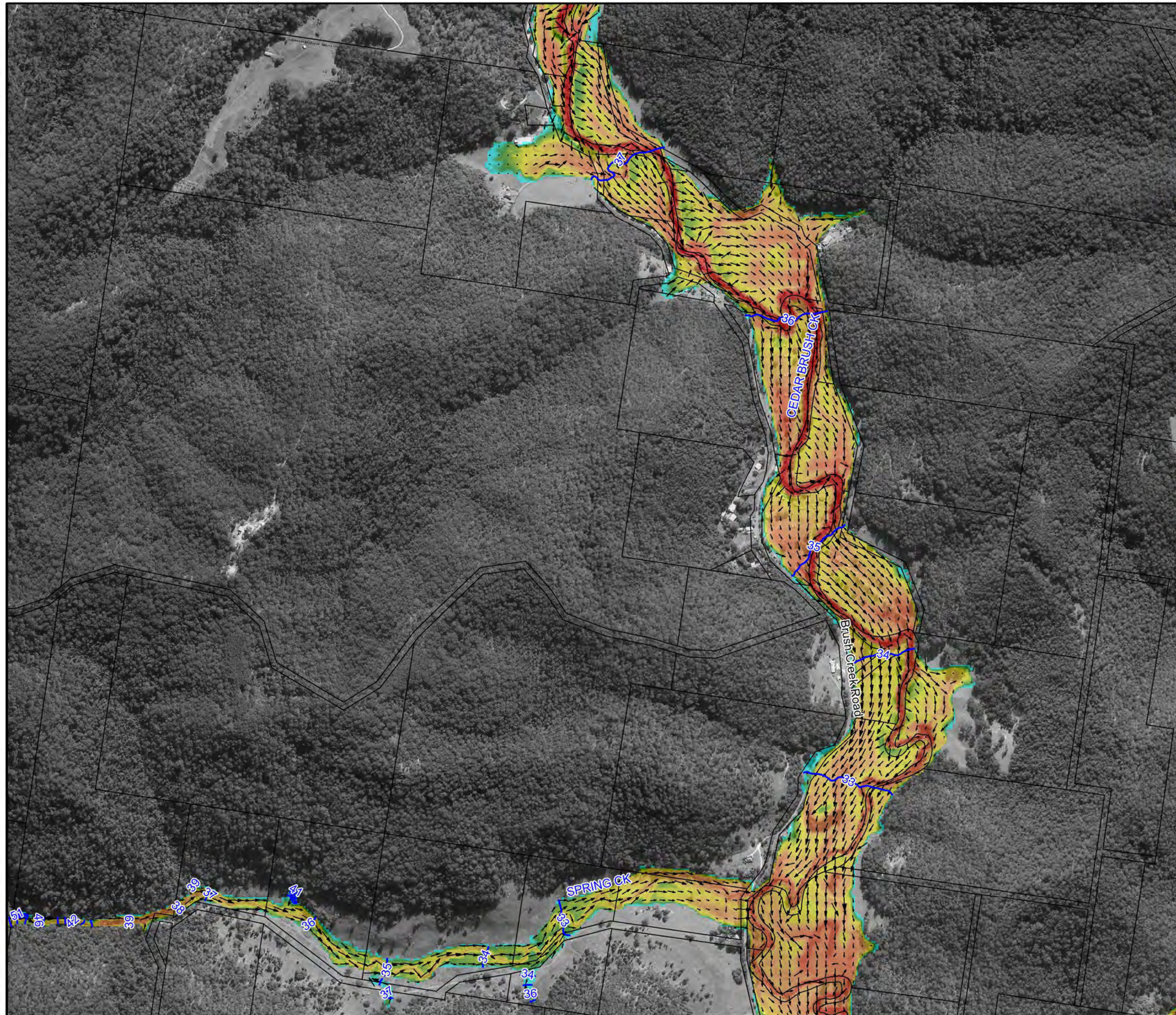
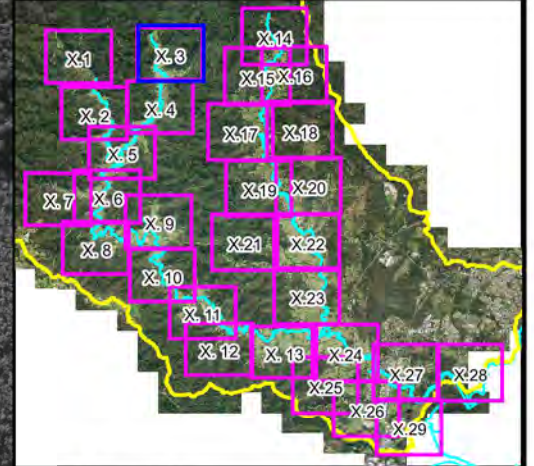


Figure A3.2:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.2 Peak Flood
Depths 1%AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

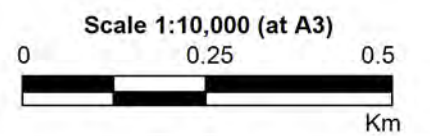
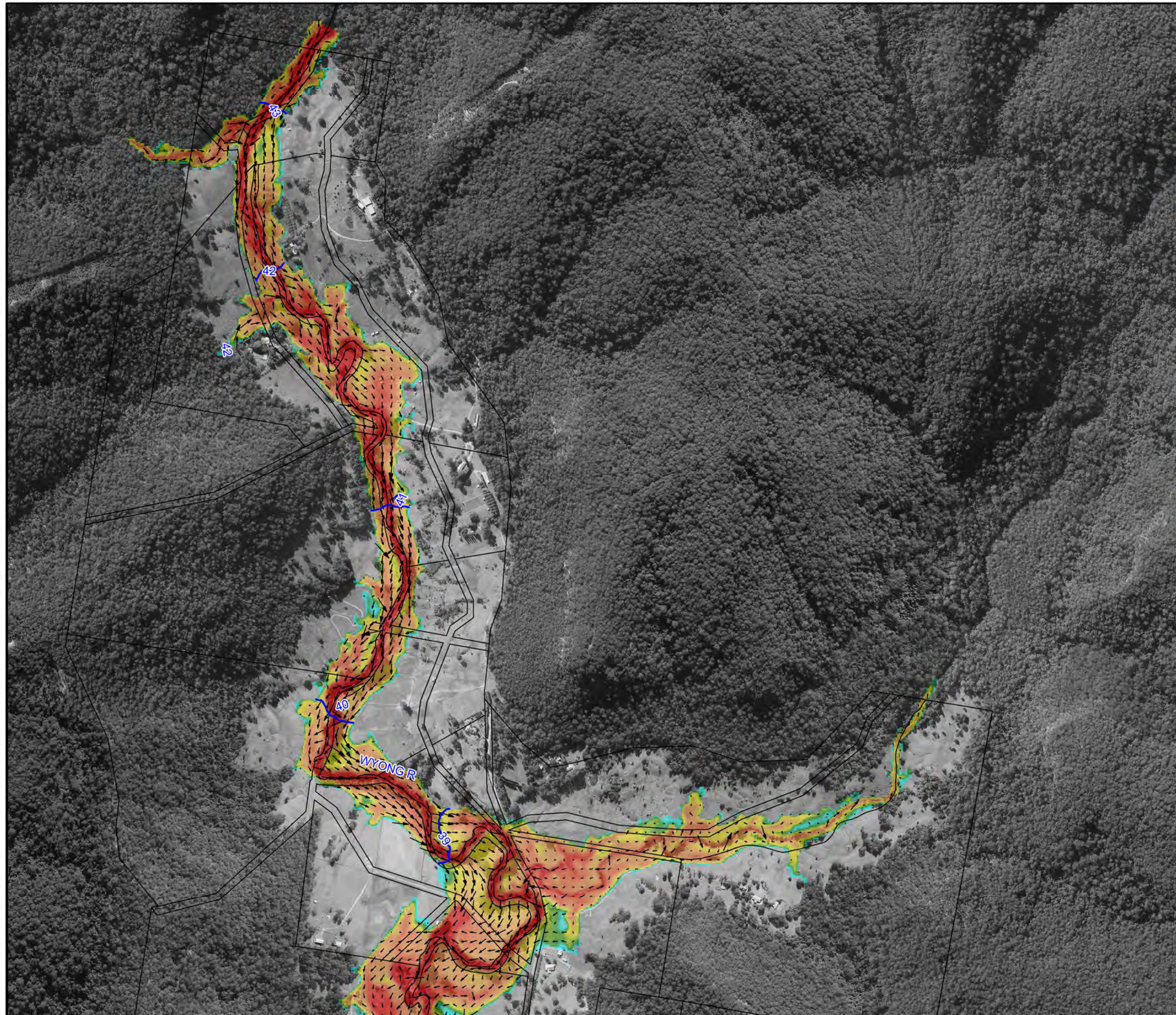
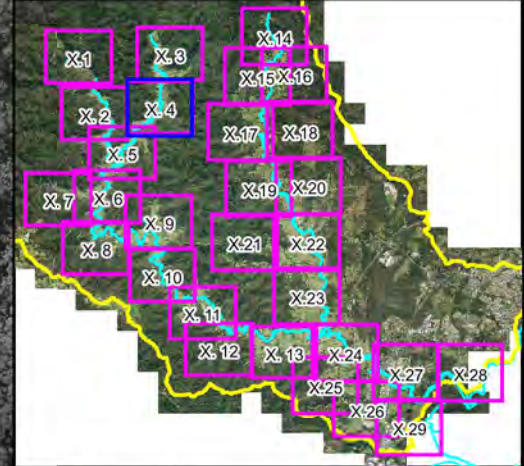


Figure A3.3:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.3 Peak Flood Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

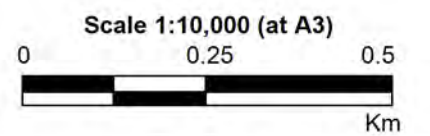
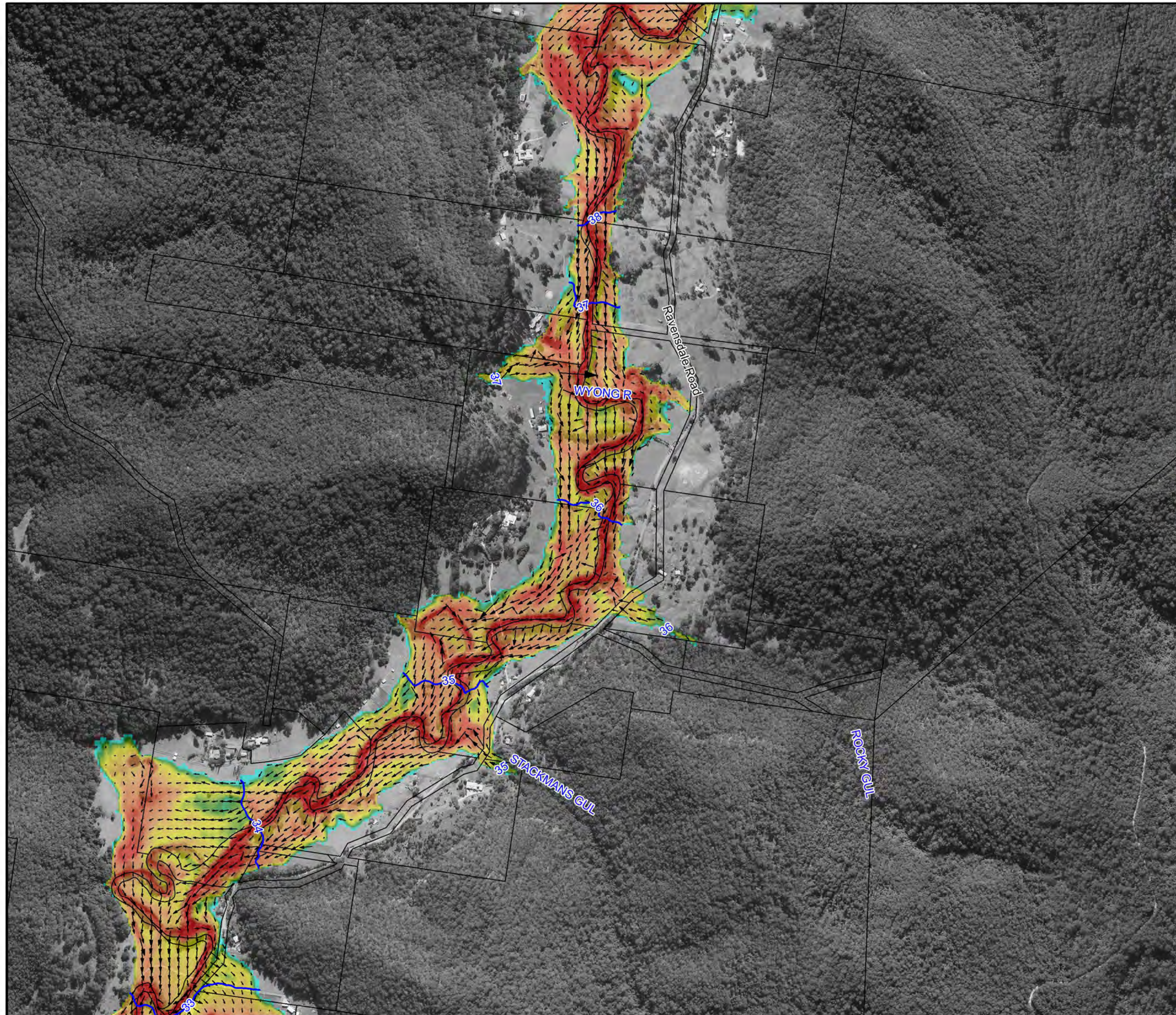
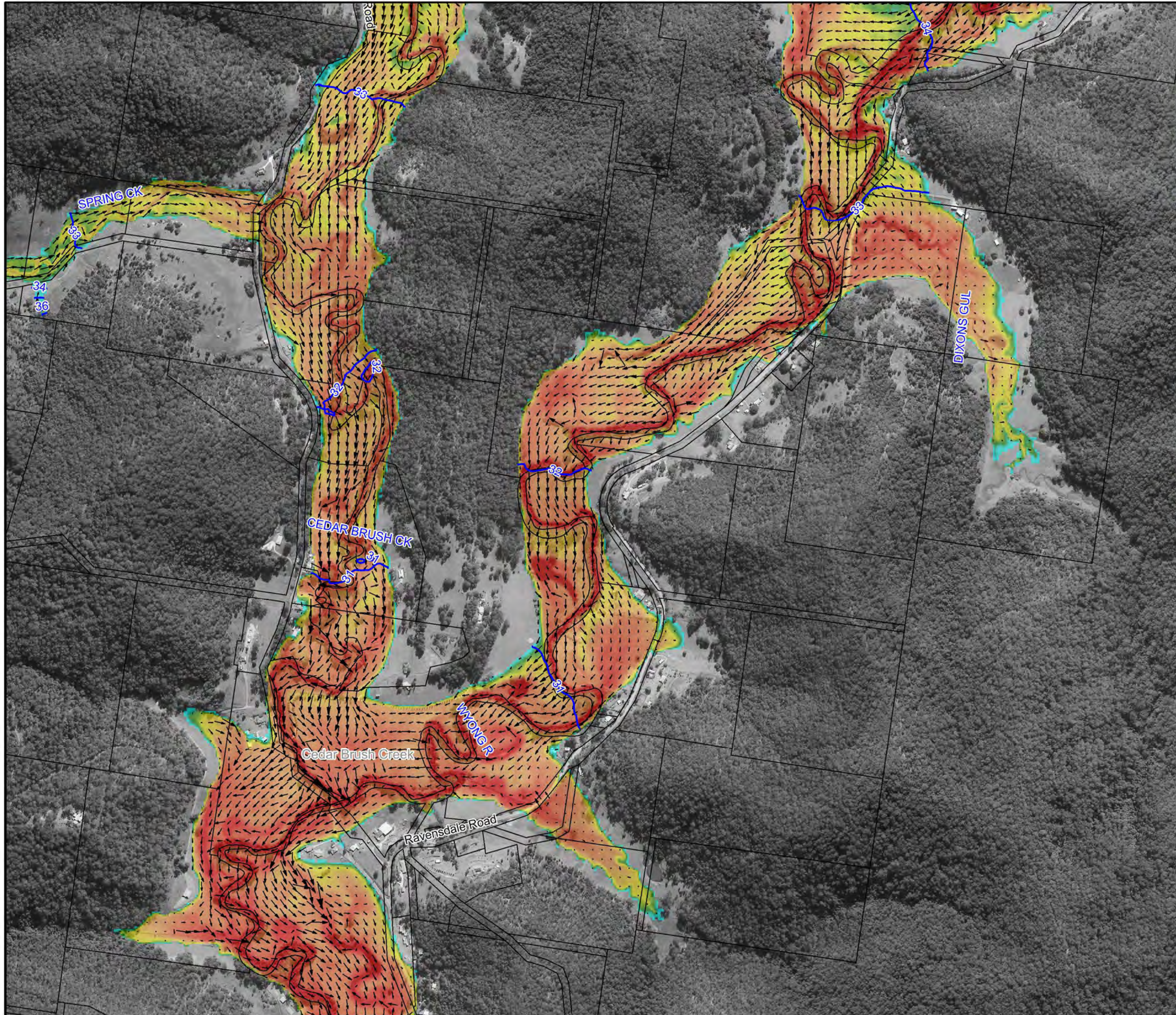
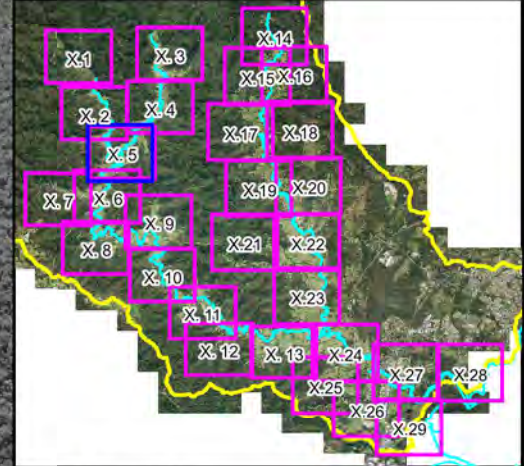


Figure A3.4:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.4 Peak Flood
Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

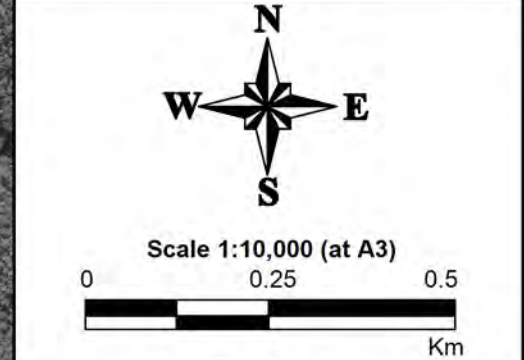
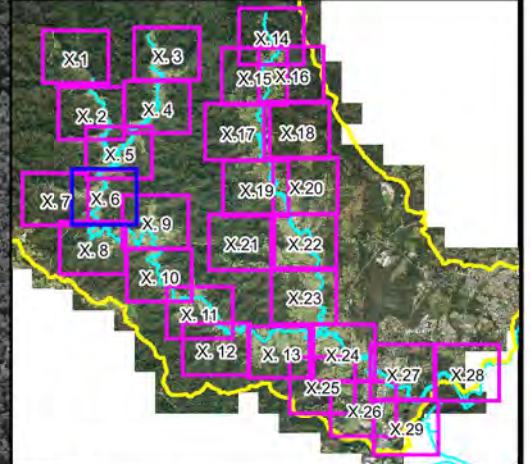


Figure A3.5:
Peak Floodwater Depths,
Velocities and Levels
for the 1% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.5 Peak Flood
Depths 1% AEP.wor



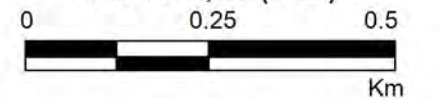
LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



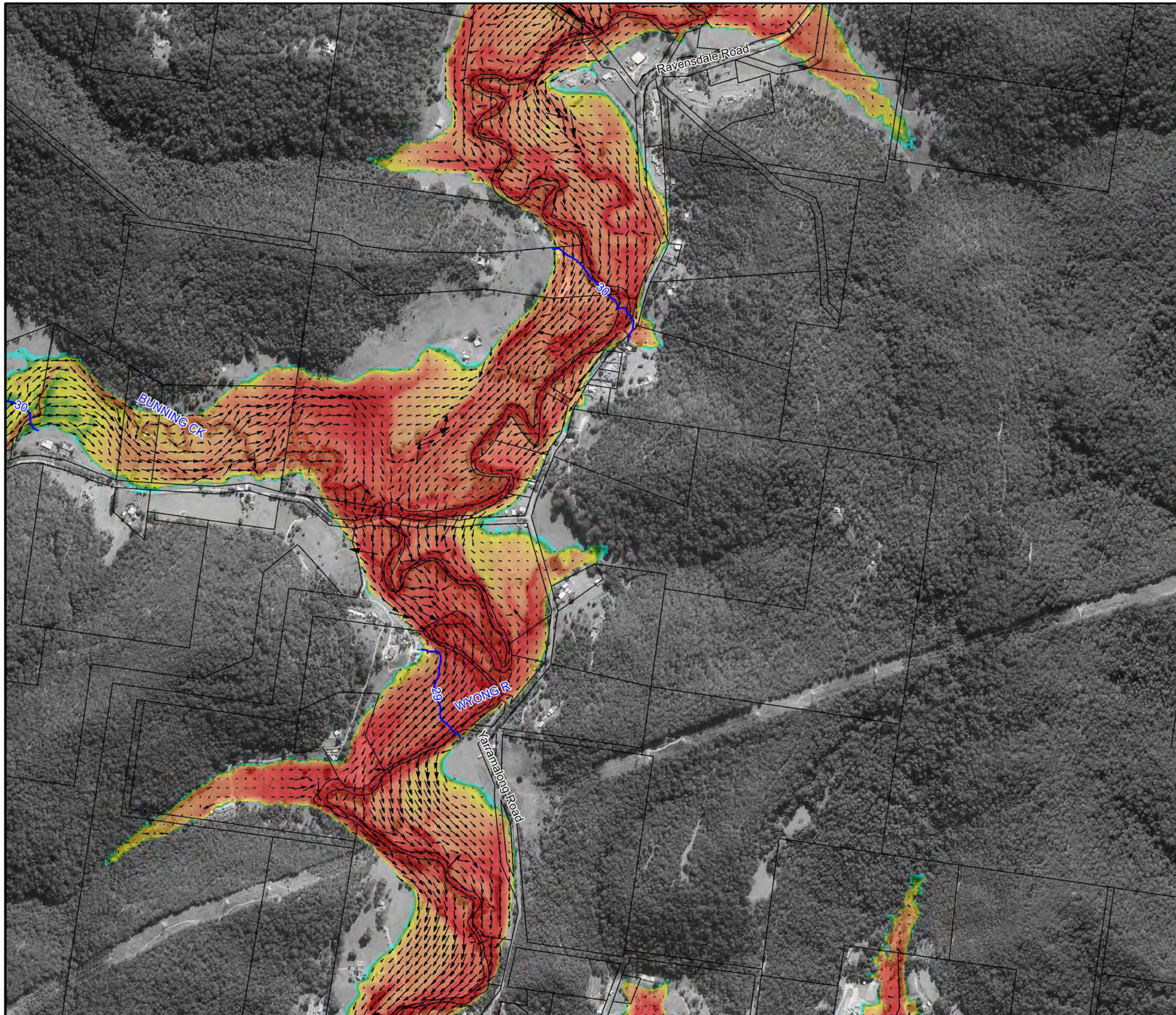
Scale 1:10,000 (at A3)

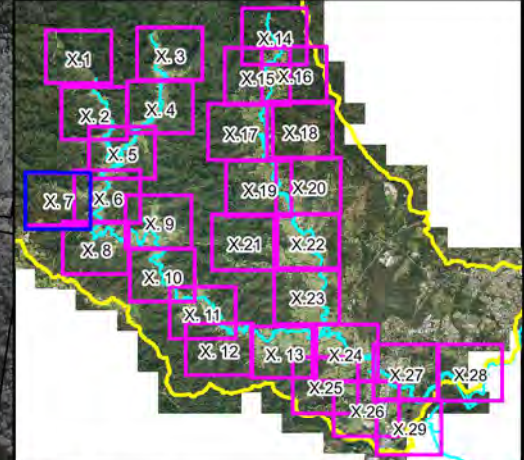


**Figure A3.6:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.6 Peak Flood
Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

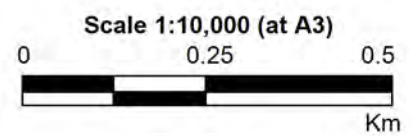
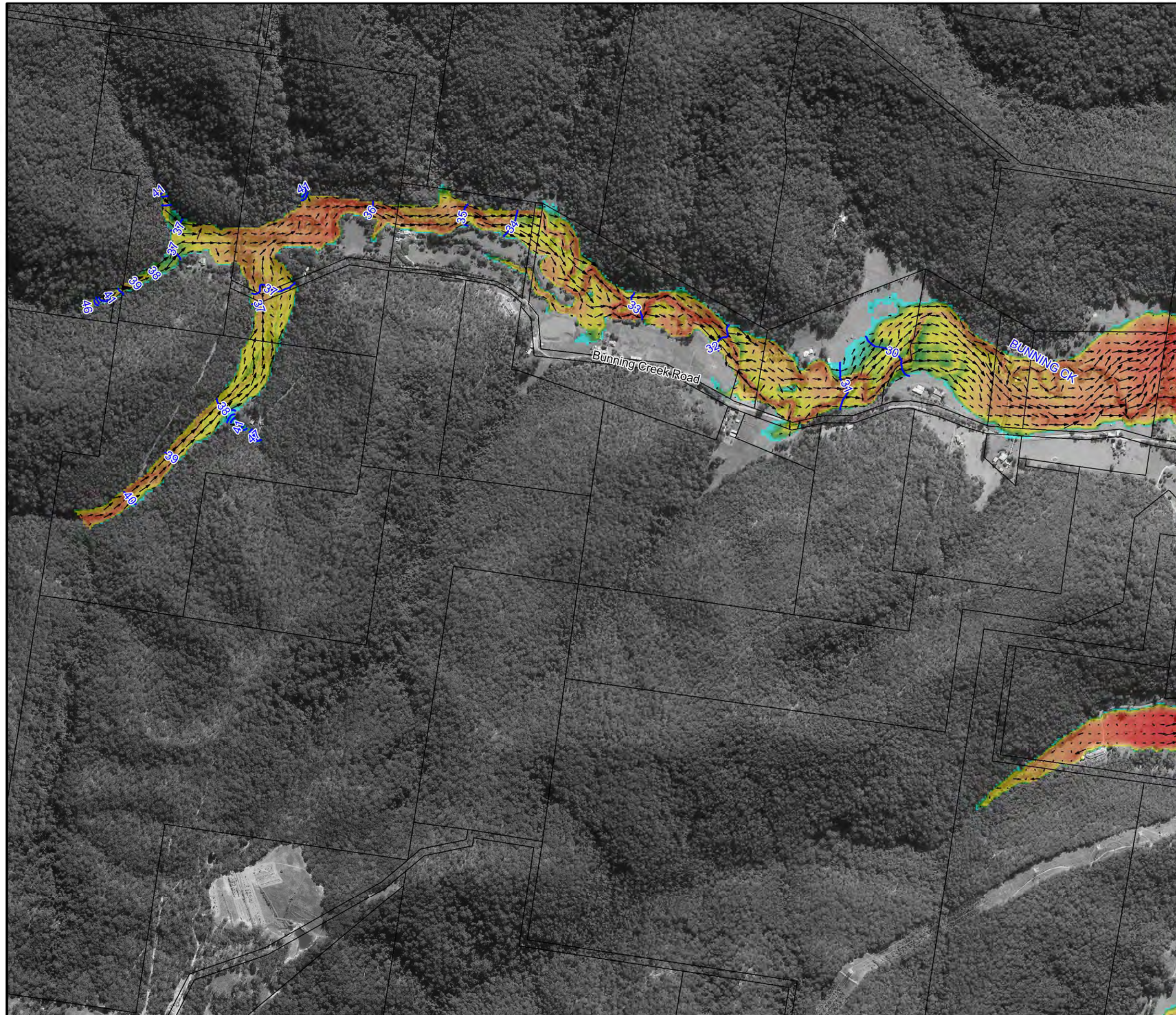
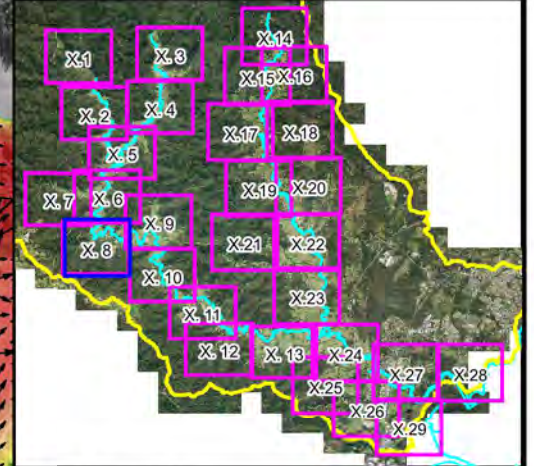


Figure A3.7:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.7 Peak Flood Depths 1%AEP.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

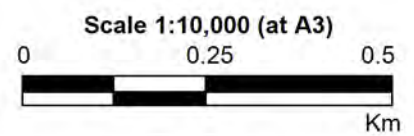
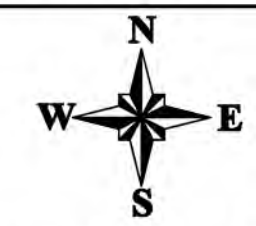
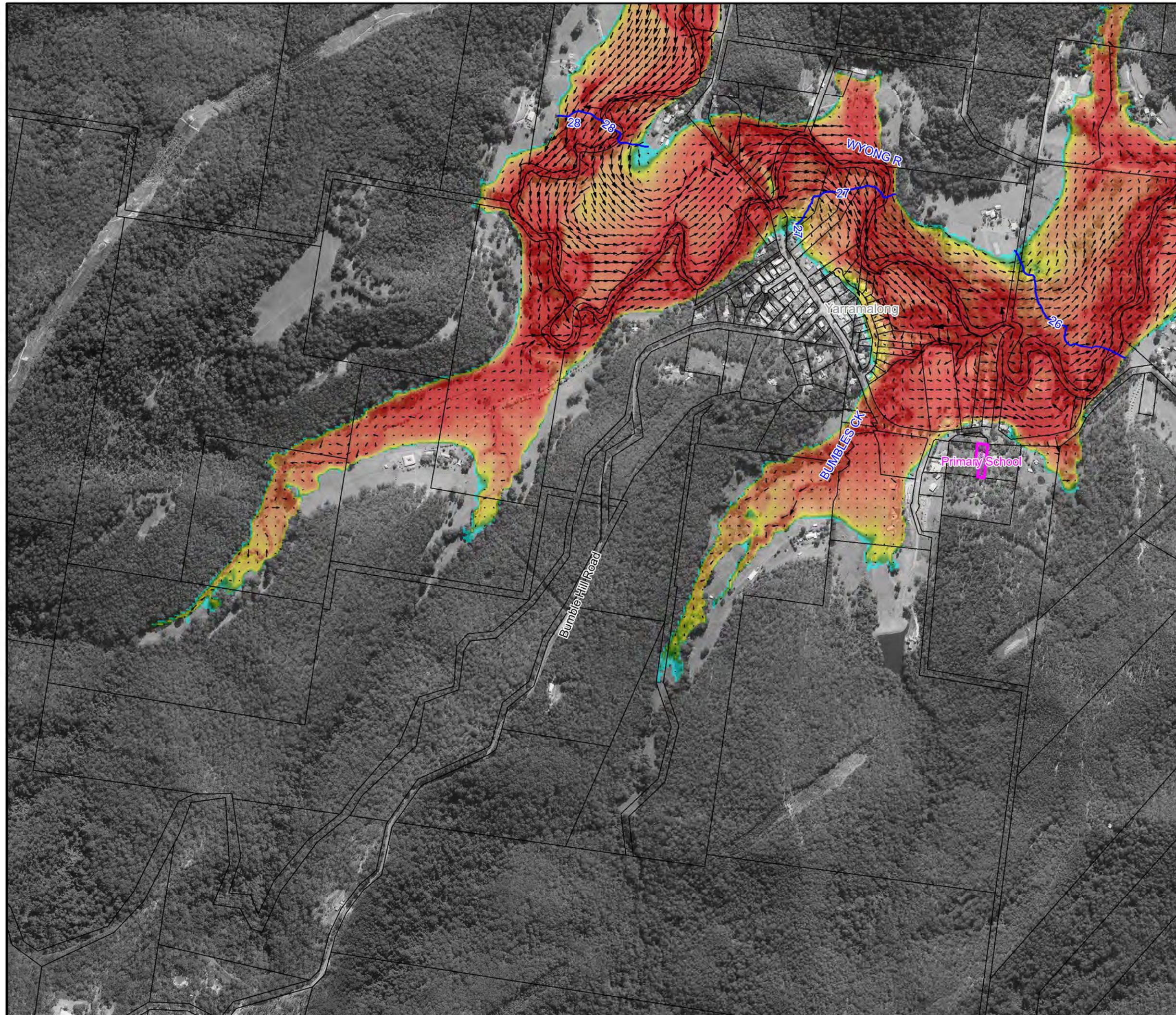
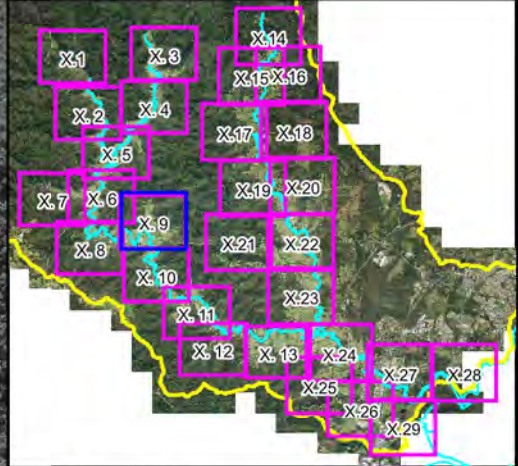
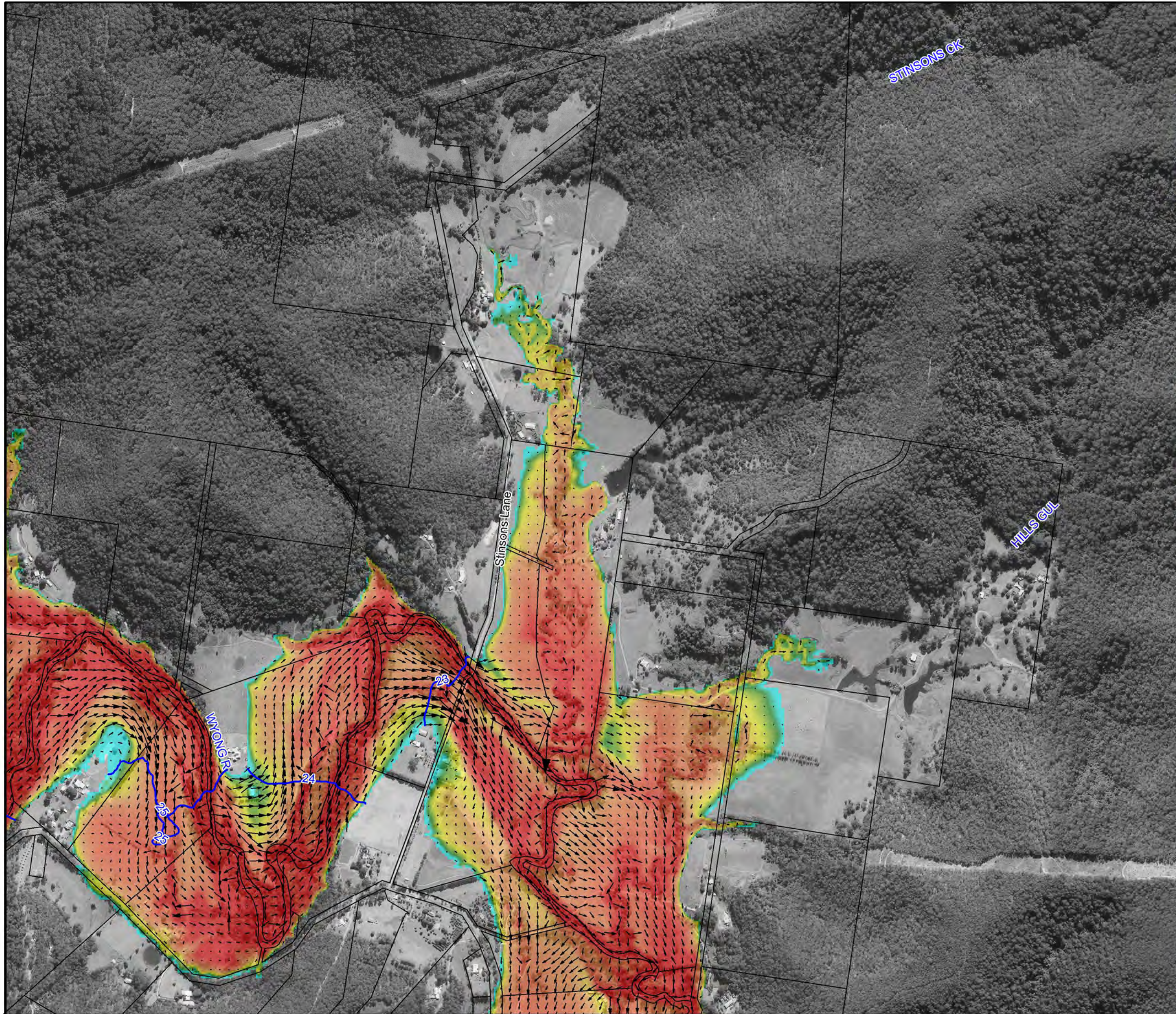


Figure A3.8:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.8 Peak Flood Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (m AHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

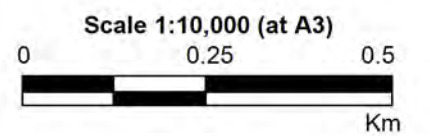
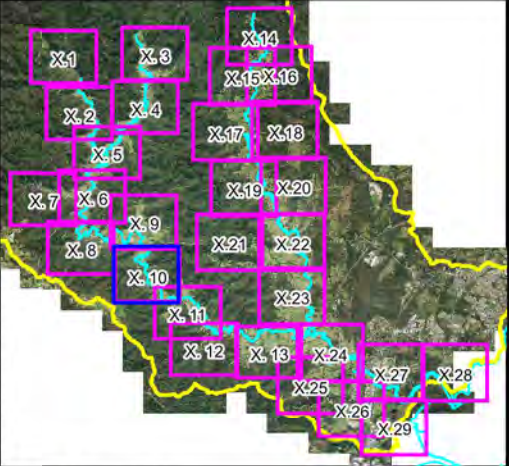
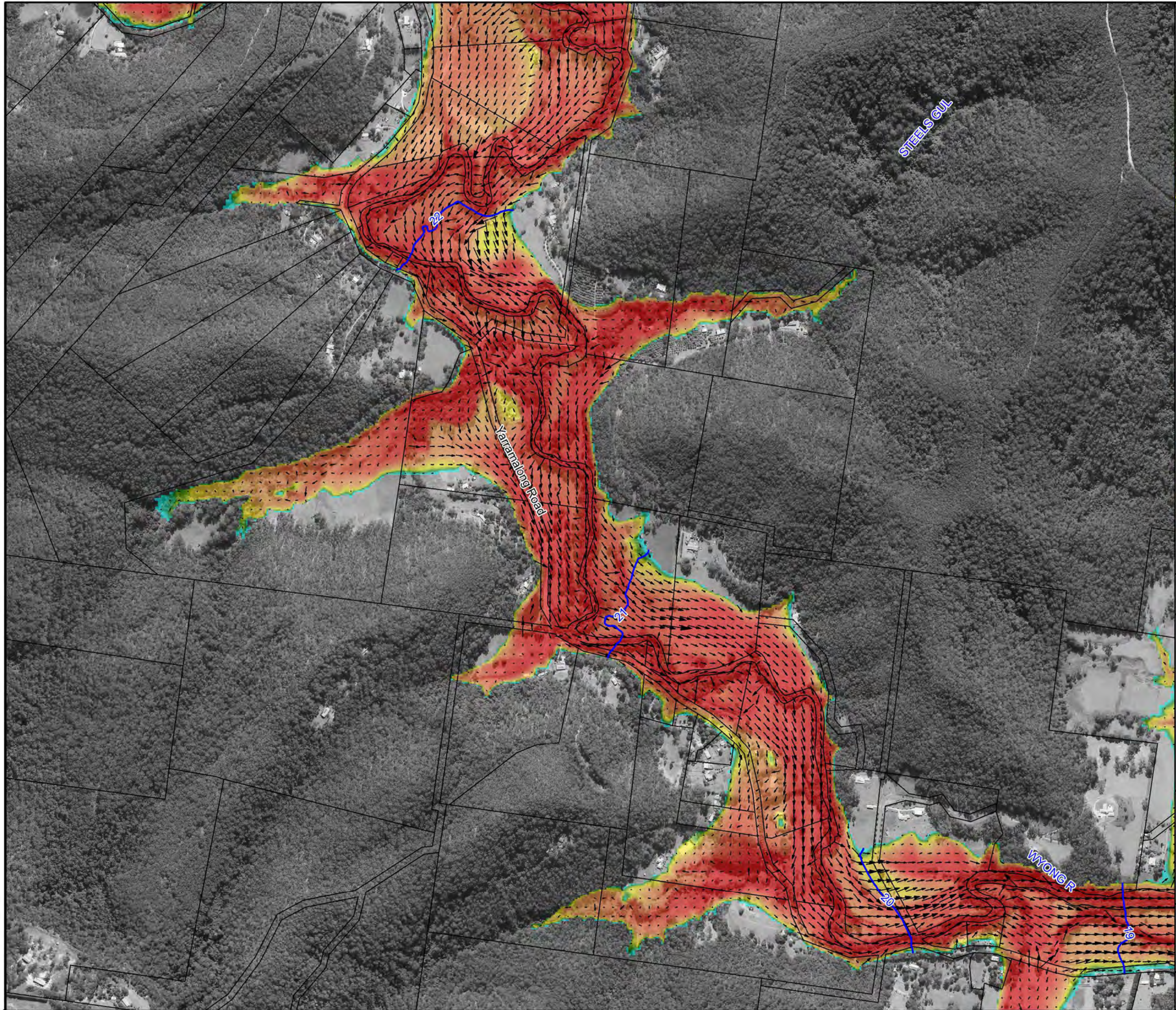


Figure A3.9:
Peak Floodwater Depths,
Velocities and Levels
for the 1% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.9 Peak Flood
Depths 1% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

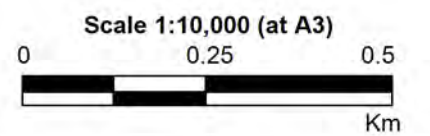
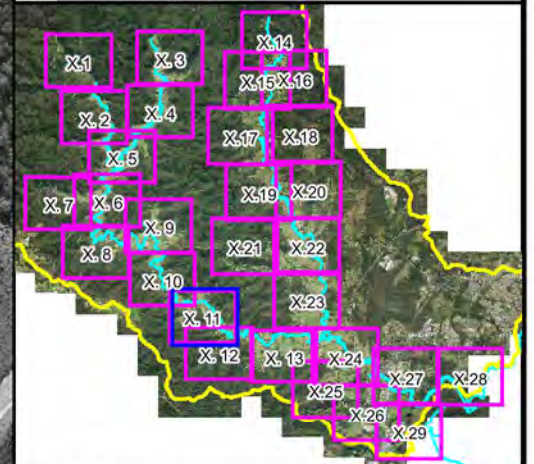


Figure A3.10:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.10 Peak Flood
Depths 1%AEP.wor



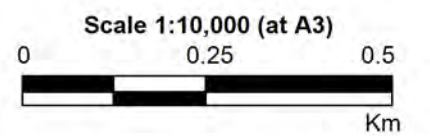
LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

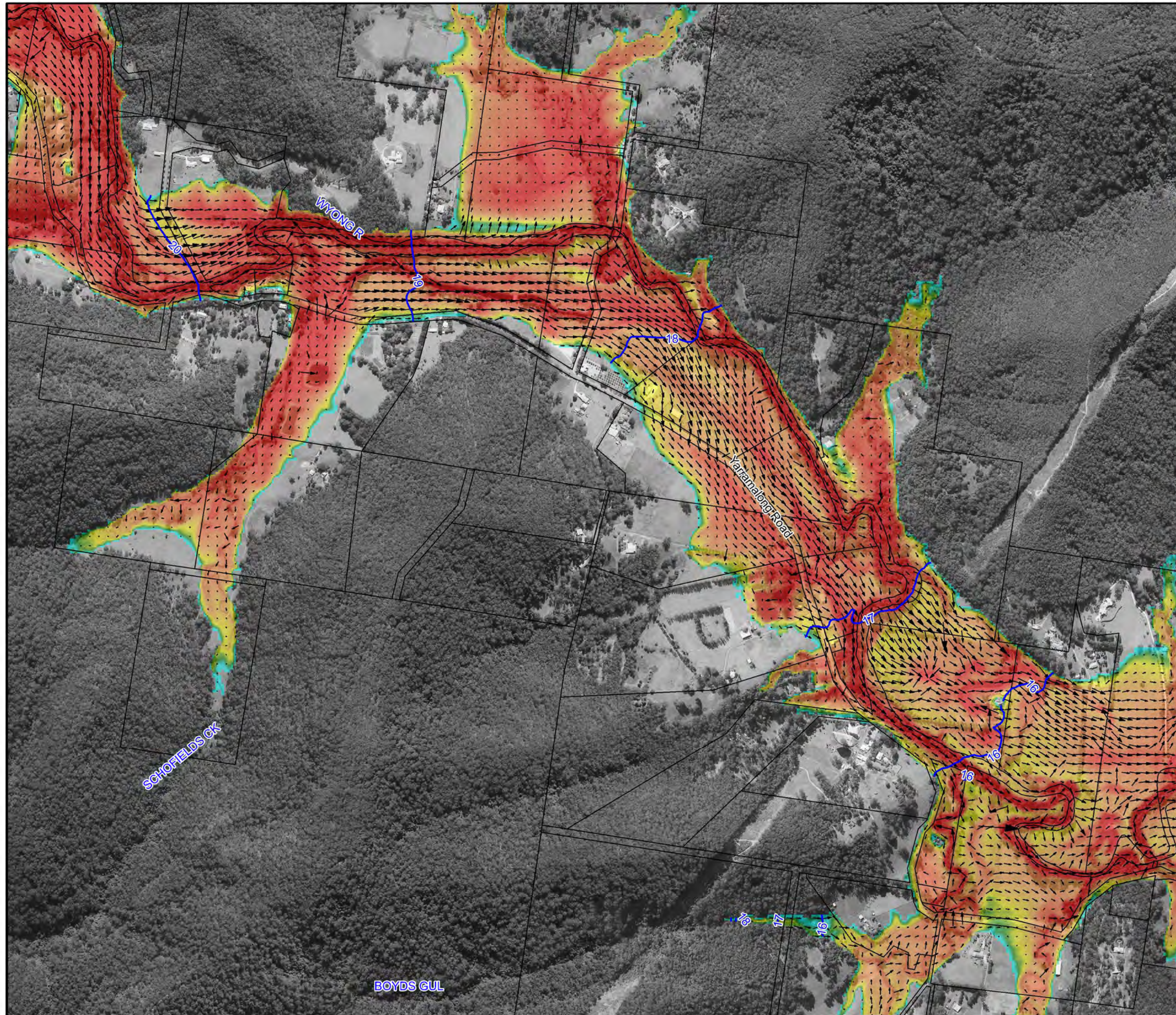
Notes:
Aerial photograph dated 2014

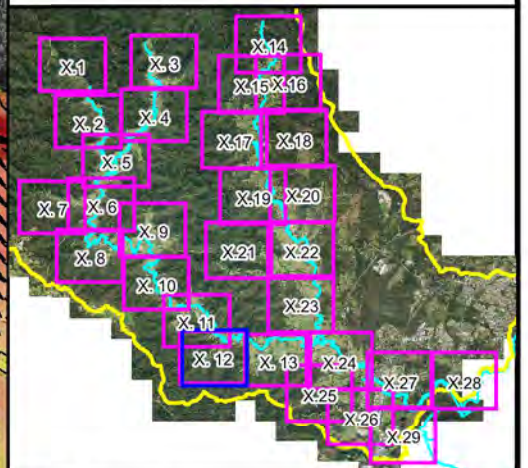


**Figure A3.11:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.11 Peak Flood
Depths 1%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

- <= 0.2
- 0.5
- 1.0
- 2.0
- 3.0

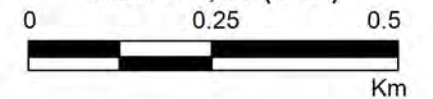
Velocity Vector (m/s)

- 1 m/s
- 2 m/s
- 4 m/s

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

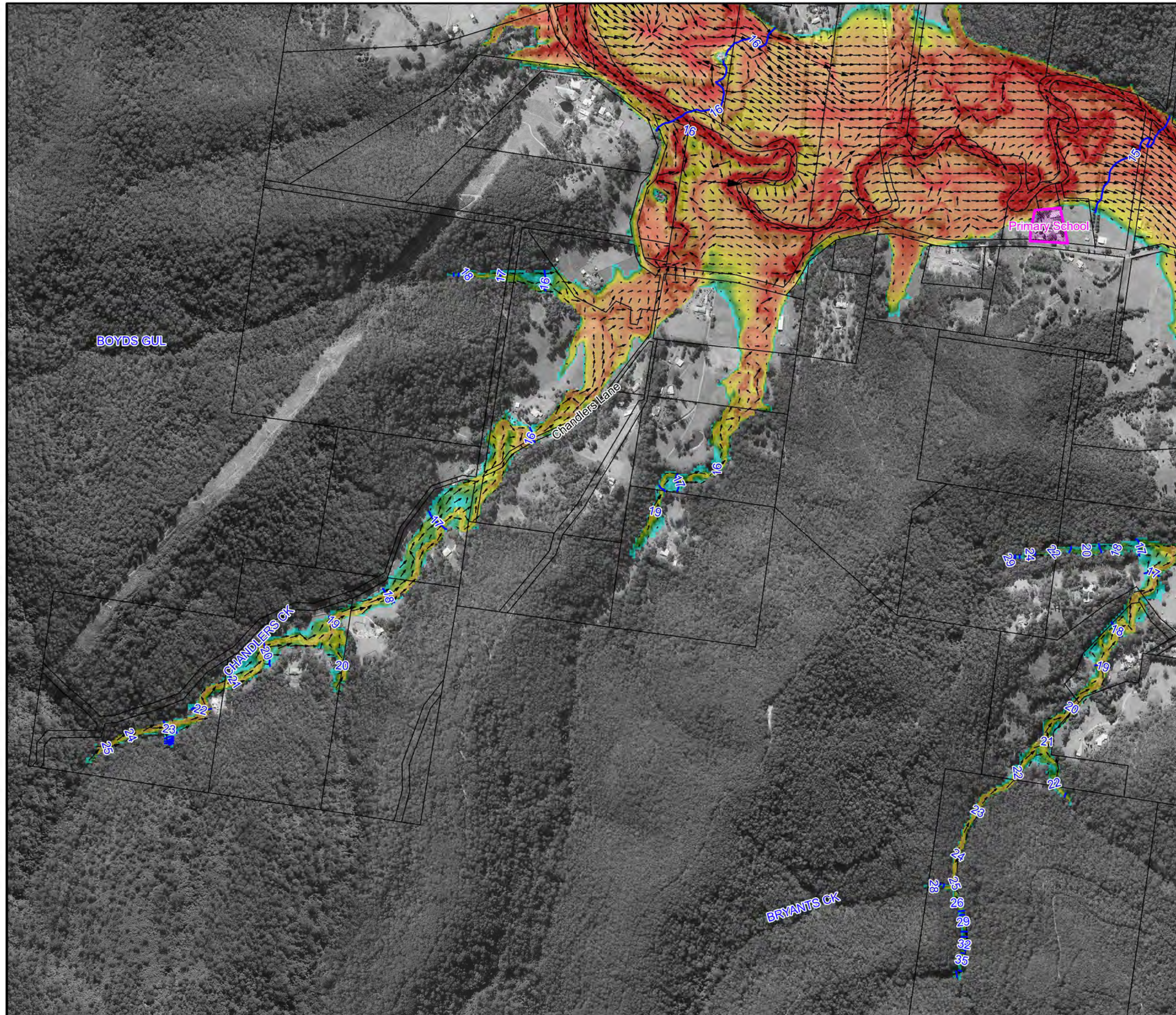


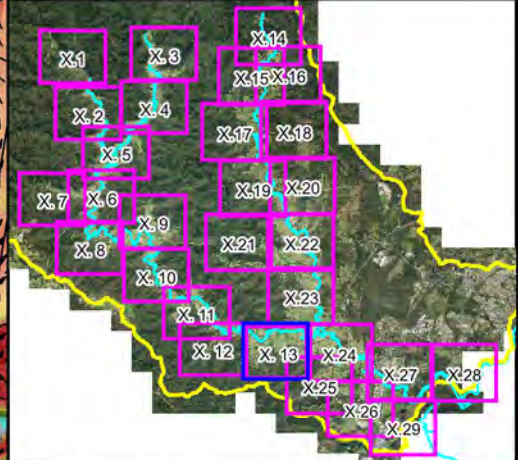
**Figure A3.12:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.12 Peak Flood
Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

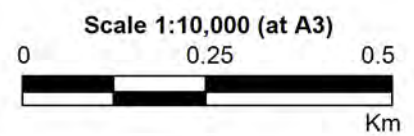
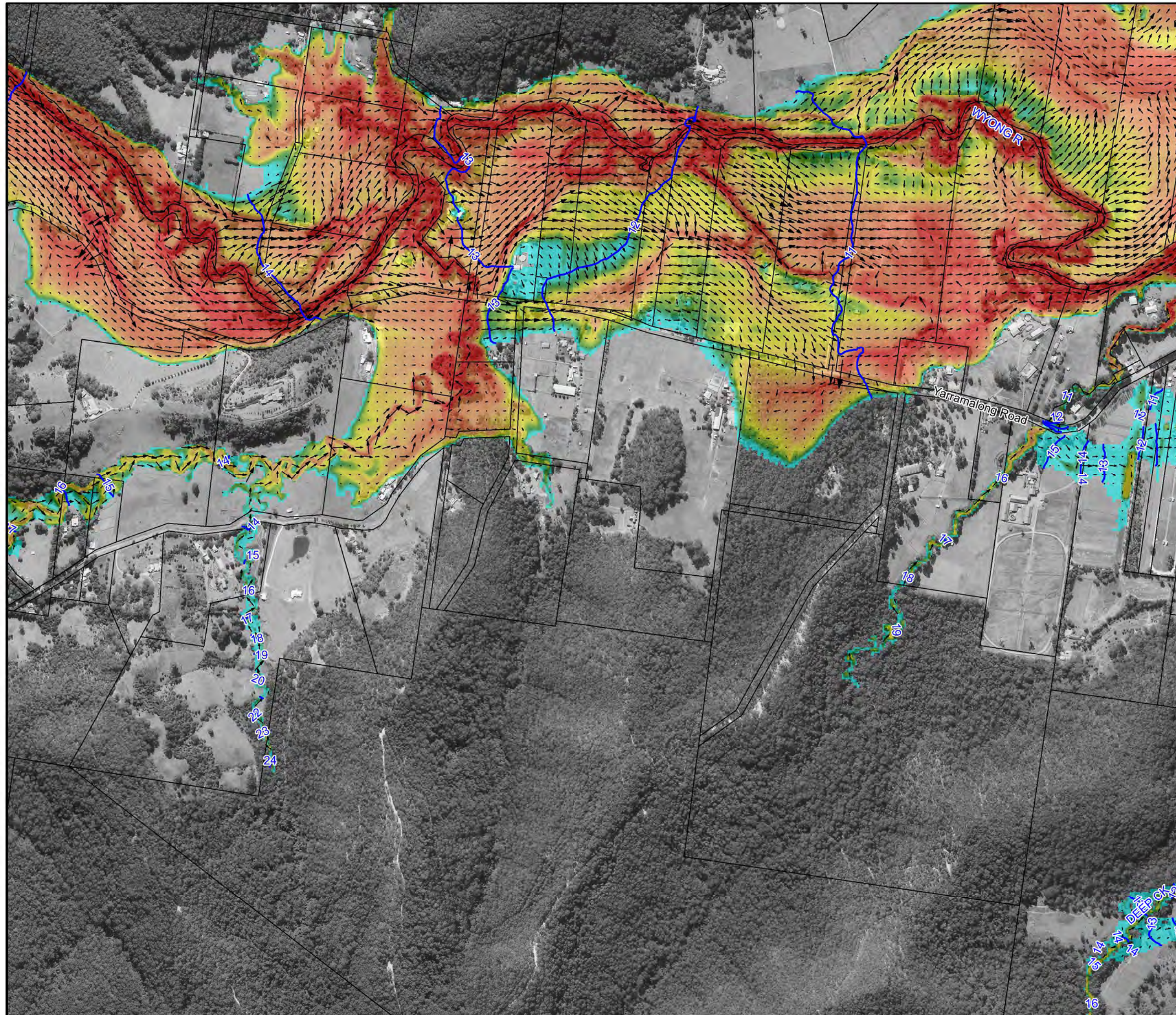
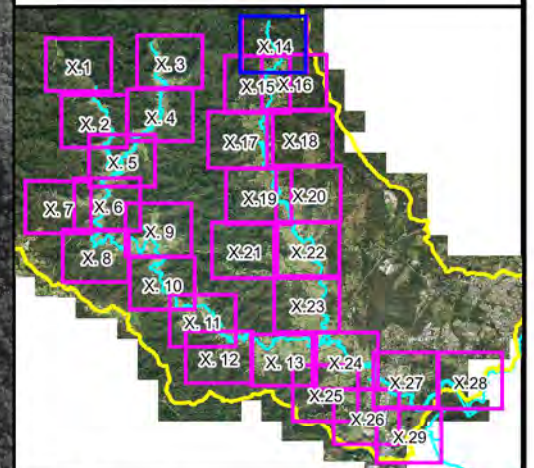


Figure A3.13:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.13 Peak Flood Depths 1%AEP.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

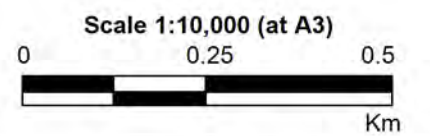
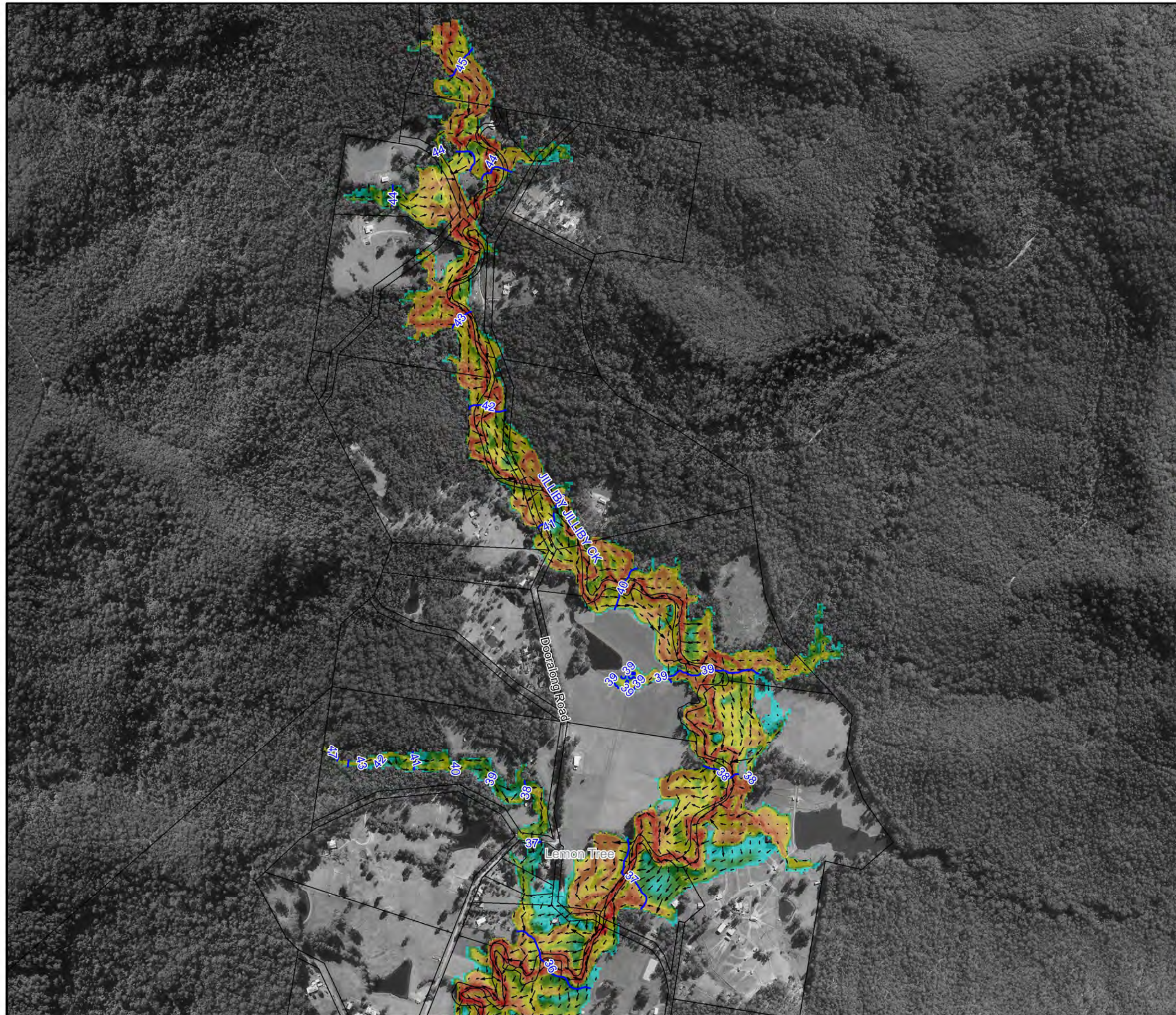
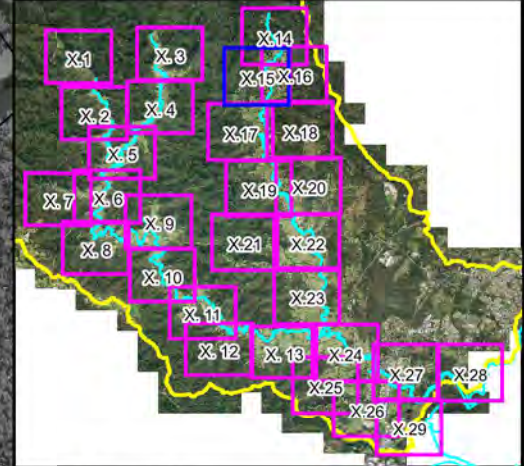


Figure A3.14:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.14 Peak Flood
Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

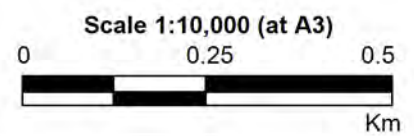
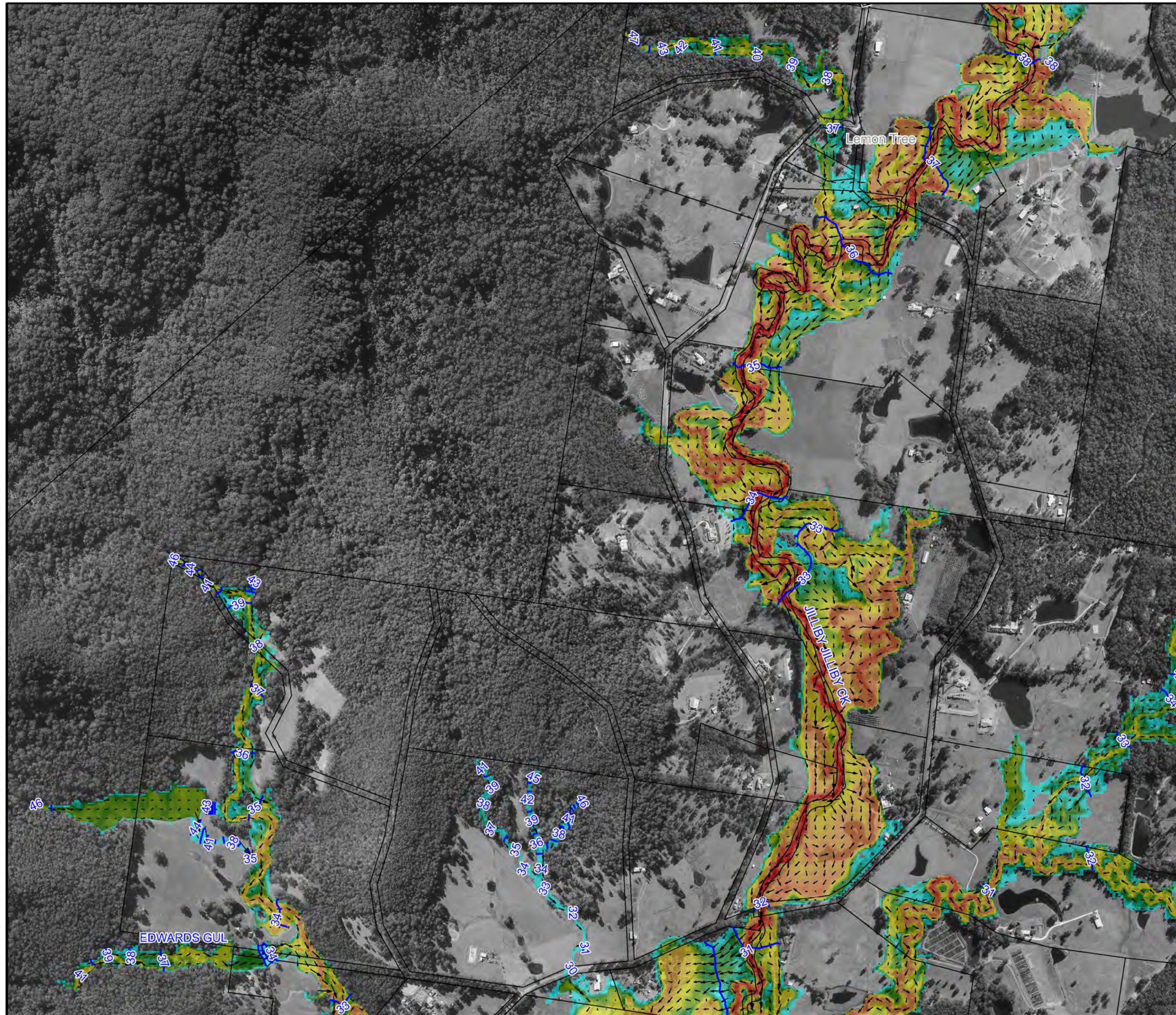
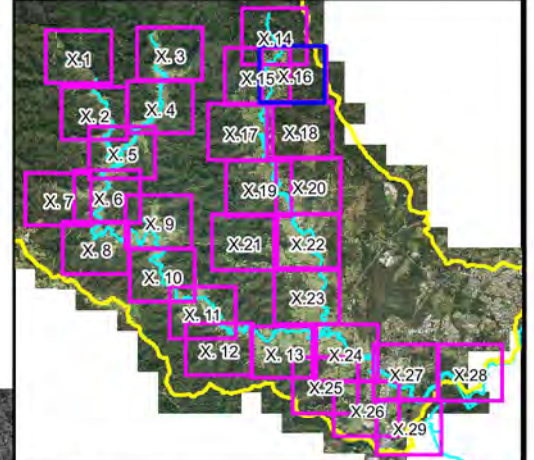
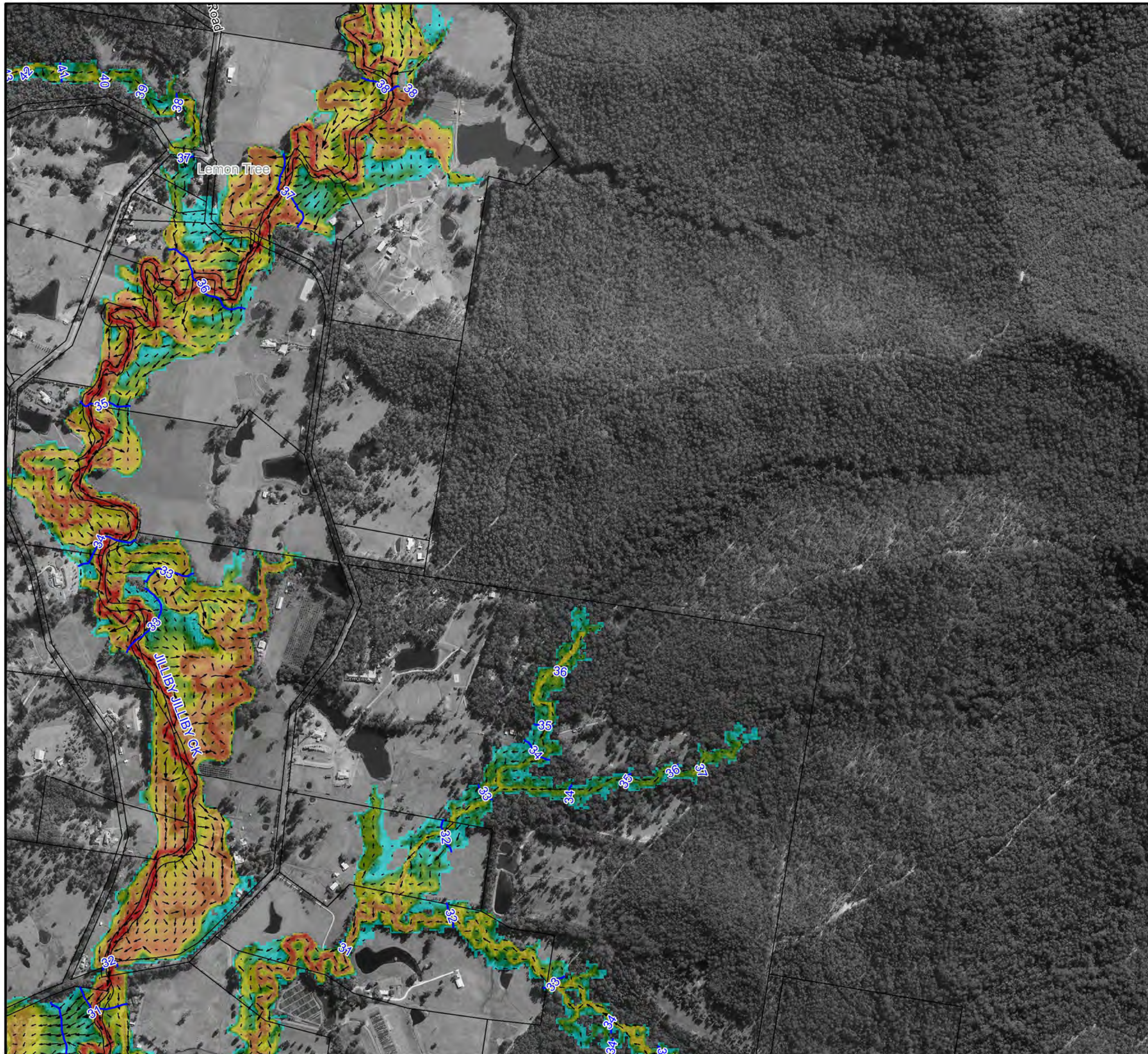


Figure A3.15:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.15 Peak Flood Depths 1%AEP.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

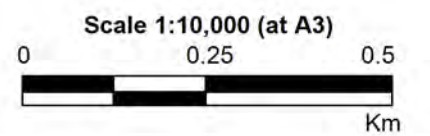
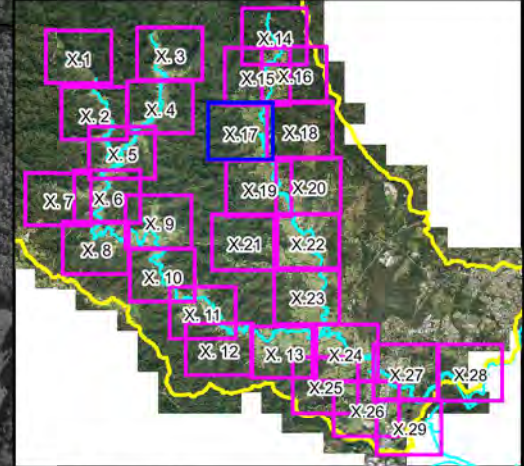


Figure A3.16:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.16 Peak Flood
Depths 1%AEP.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | — 1 m/s |
| 0.5 | → 2 m/s |
| 1.0 | → 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

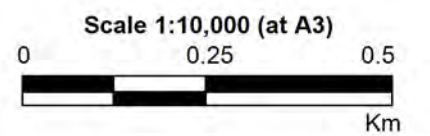
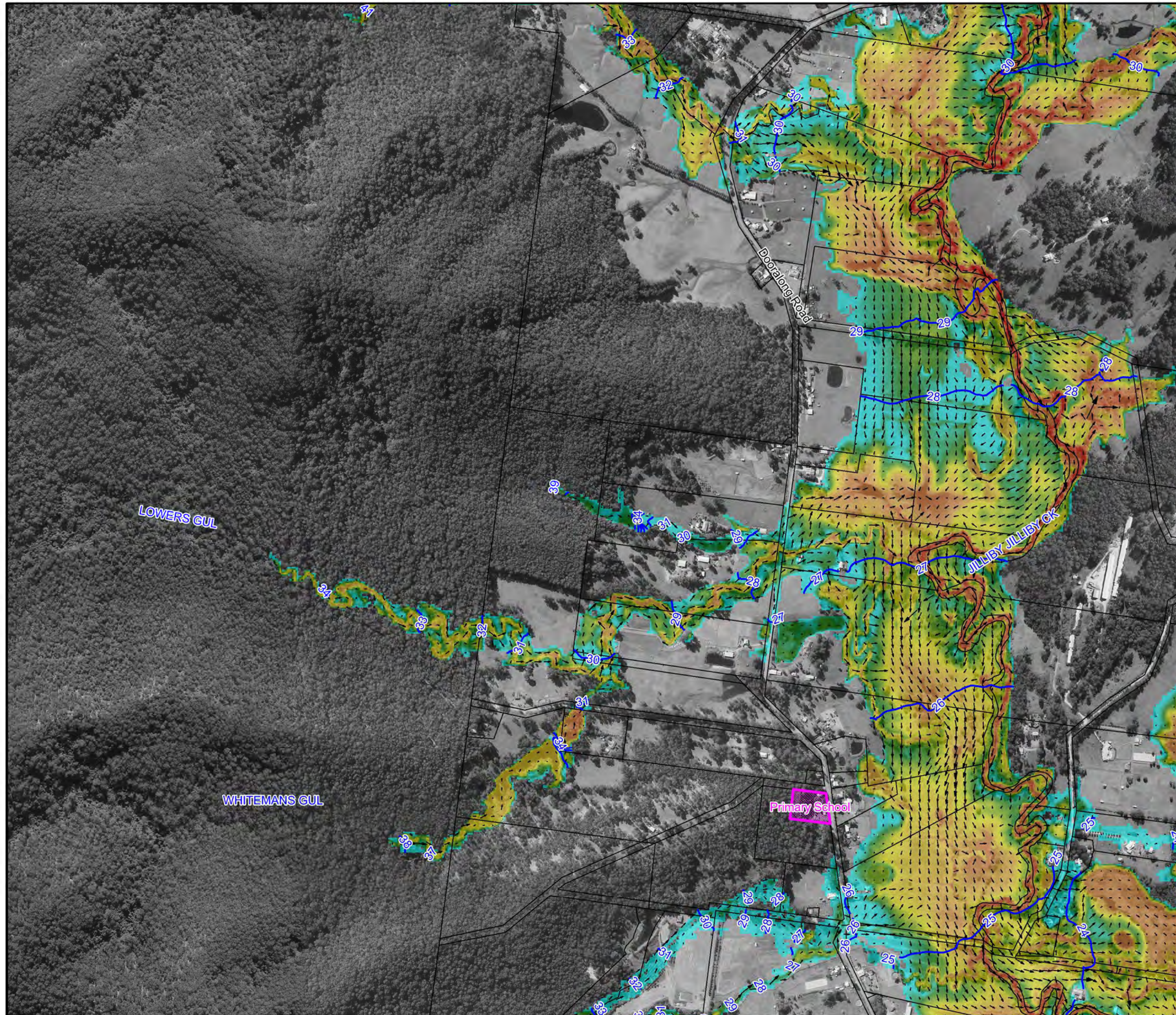
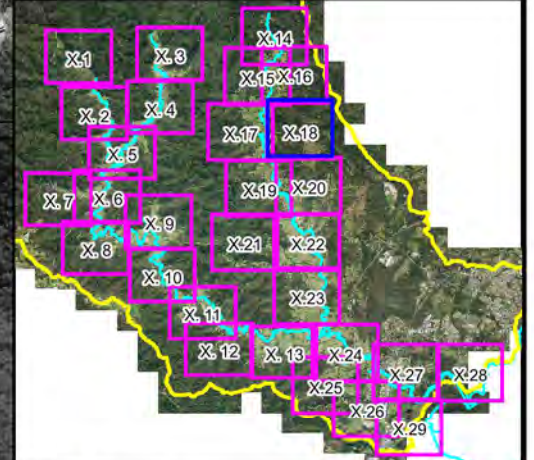


Figure A3.17:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.17 Peak Flood Depths 1%AEP.wor





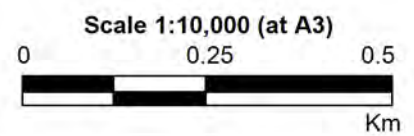
LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

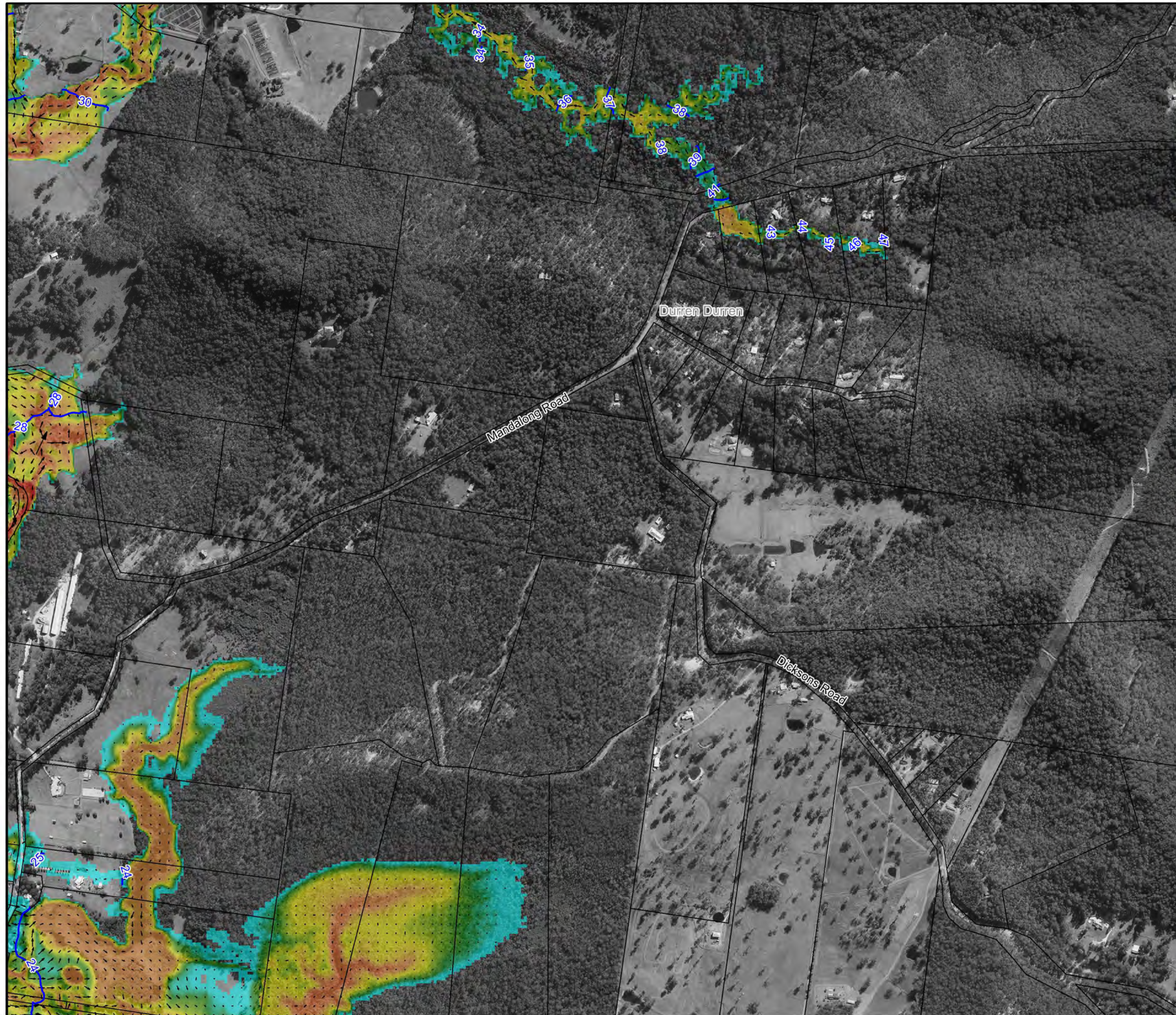
Notes:
Aerial photograph dated 2014

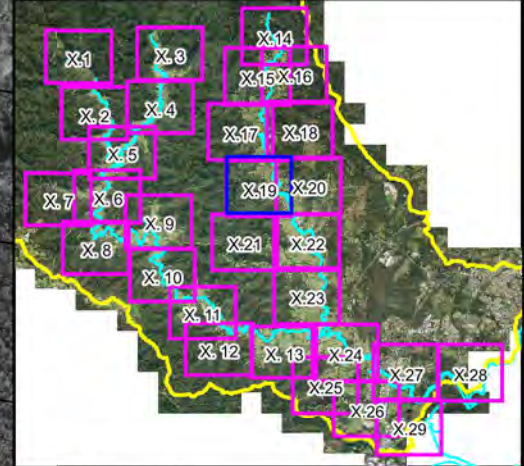


**Figure A3.18:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.18 Peak Flood
Depths 1%AEP.wor

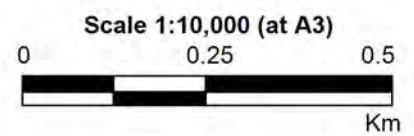




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

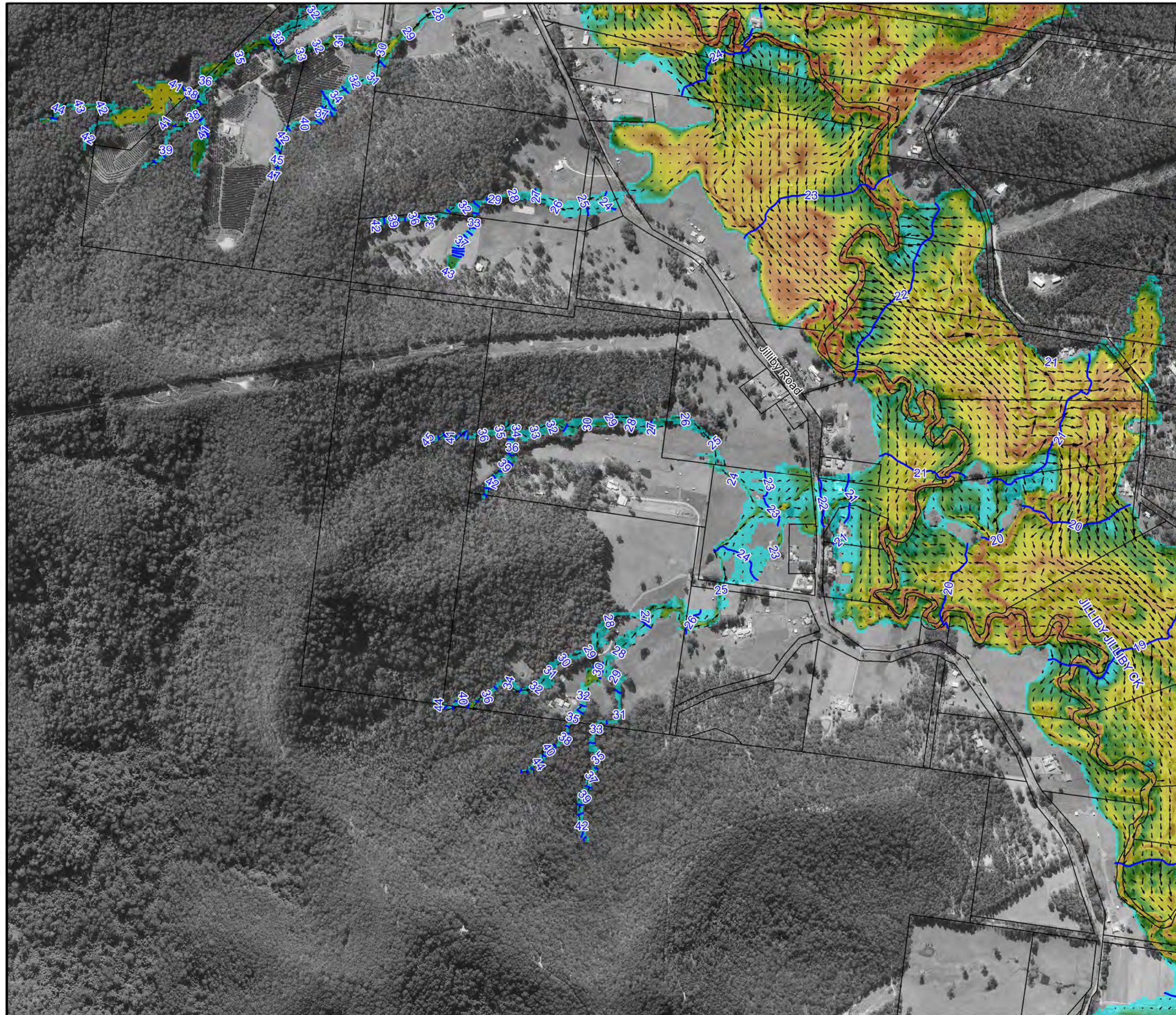
Notes:
Aerial photograph dated 2014

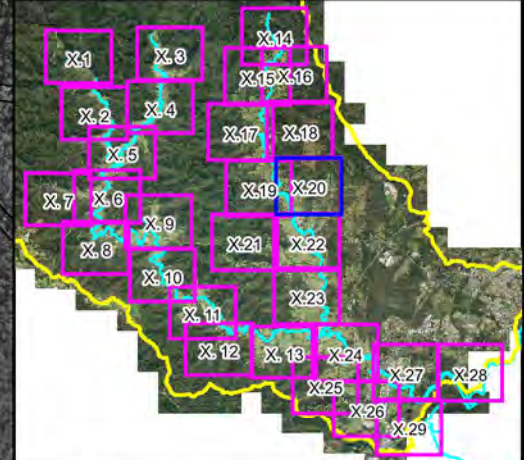


**Figure A3.19:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.19 Peak Flood
Depths 1%AEP.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

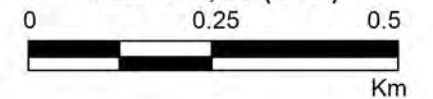
Depths (m)
 <= 0.2
 0.5
 1.0
 2.0
 3.0

Velocity Vector (m/s)
 1 m/s
 2 m/s
 4 m/s

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

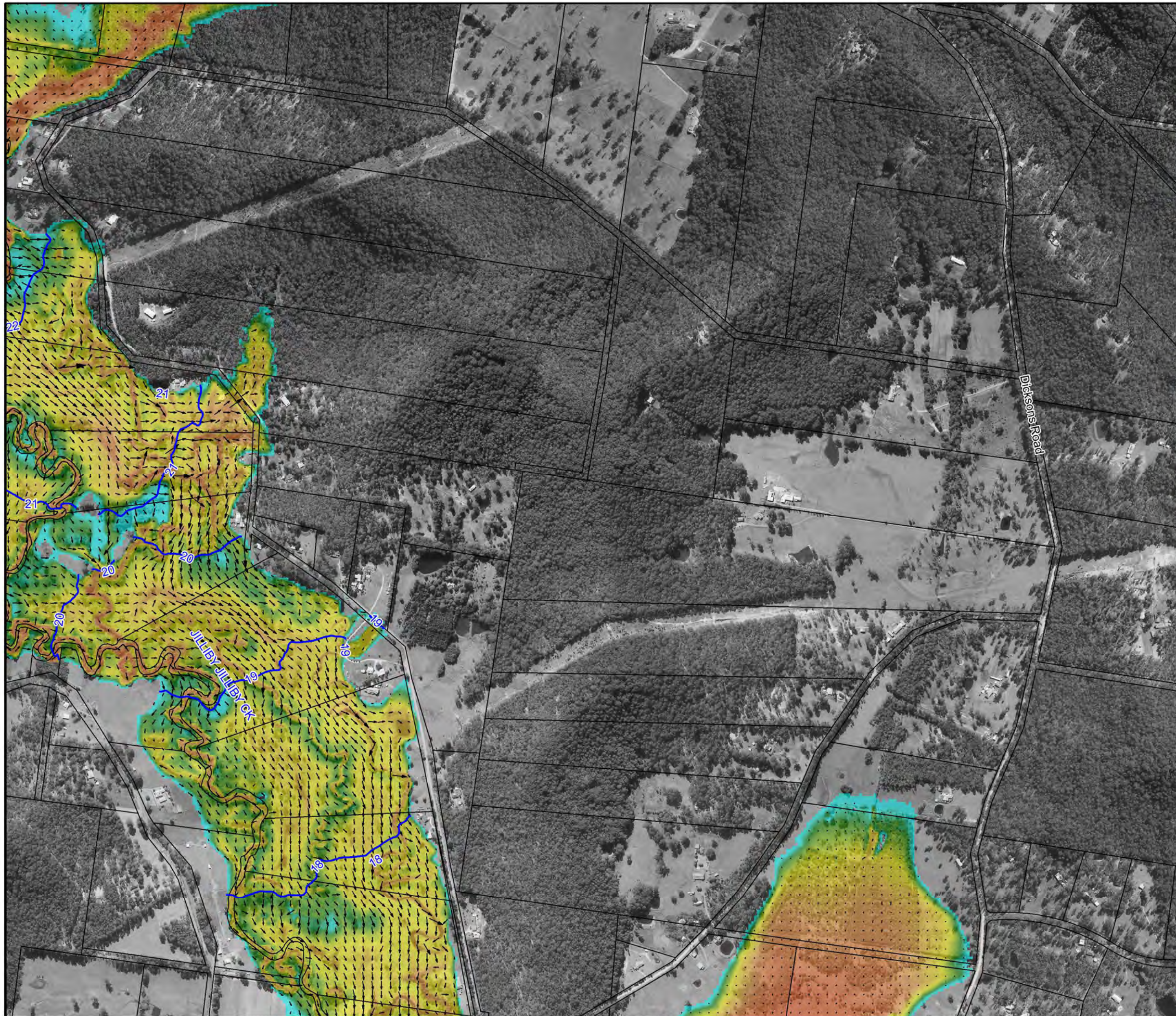


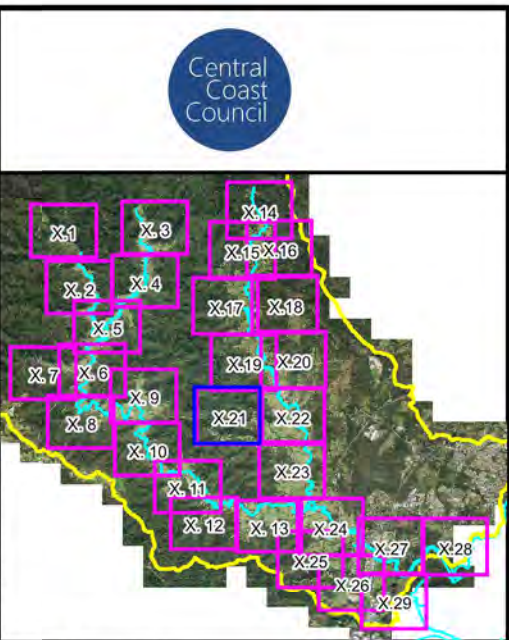
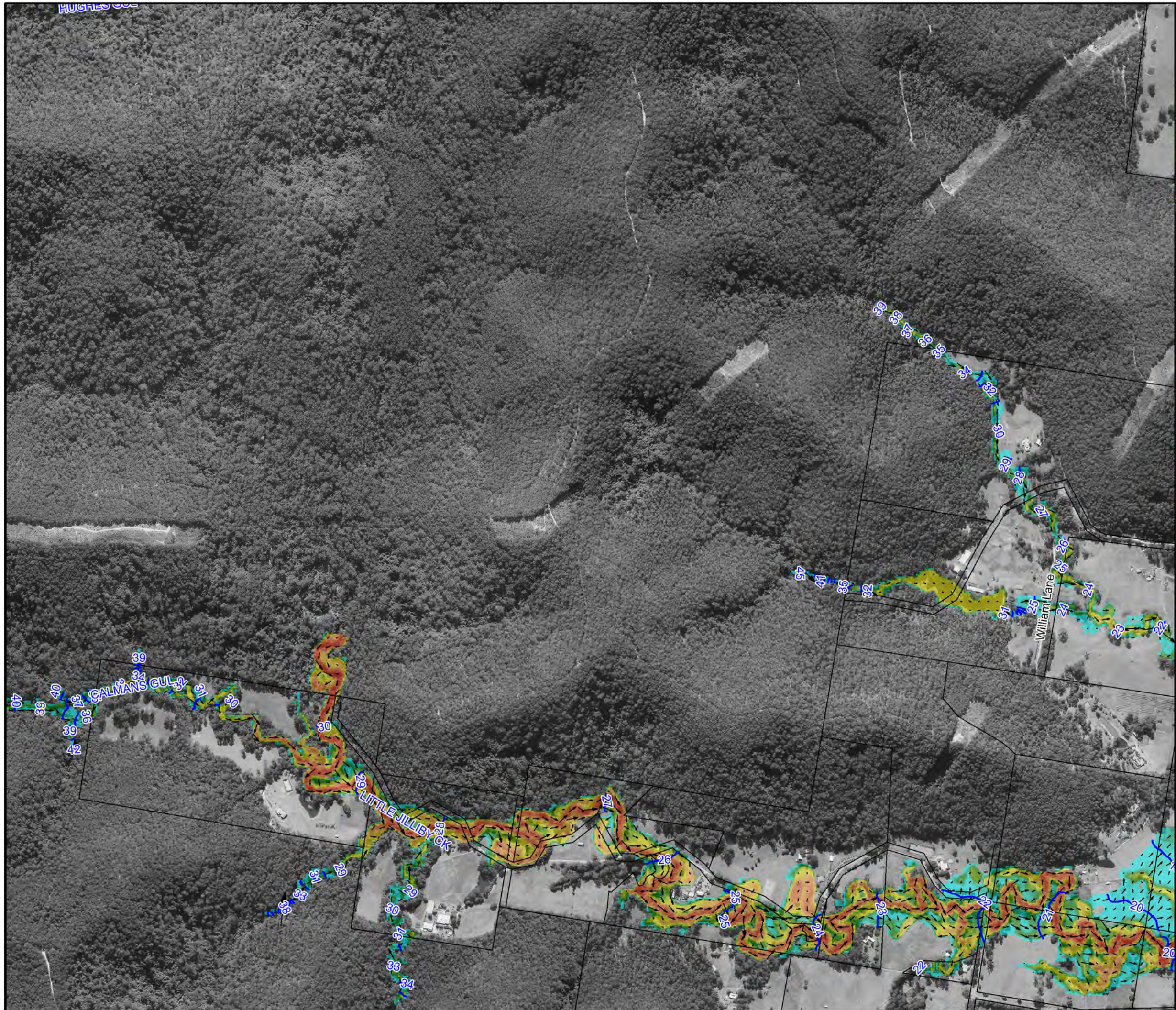
**Figure A3.20:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.20 Peak Flood
Depths 1%AEP.wor





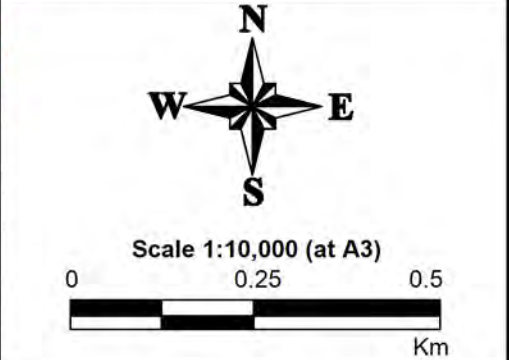
Central Coast Council

LEGEND

- Peak Water Level Contour (mAH)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

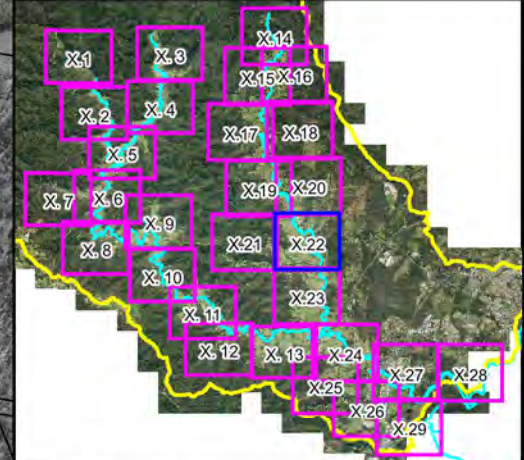
Notes:
Aerial photograph dated 2014



**Figure A3.21:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.21 Peak Flood
Depths 1%AEP.wor



LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

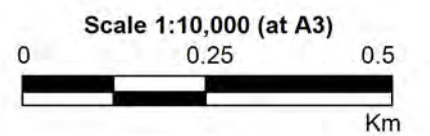
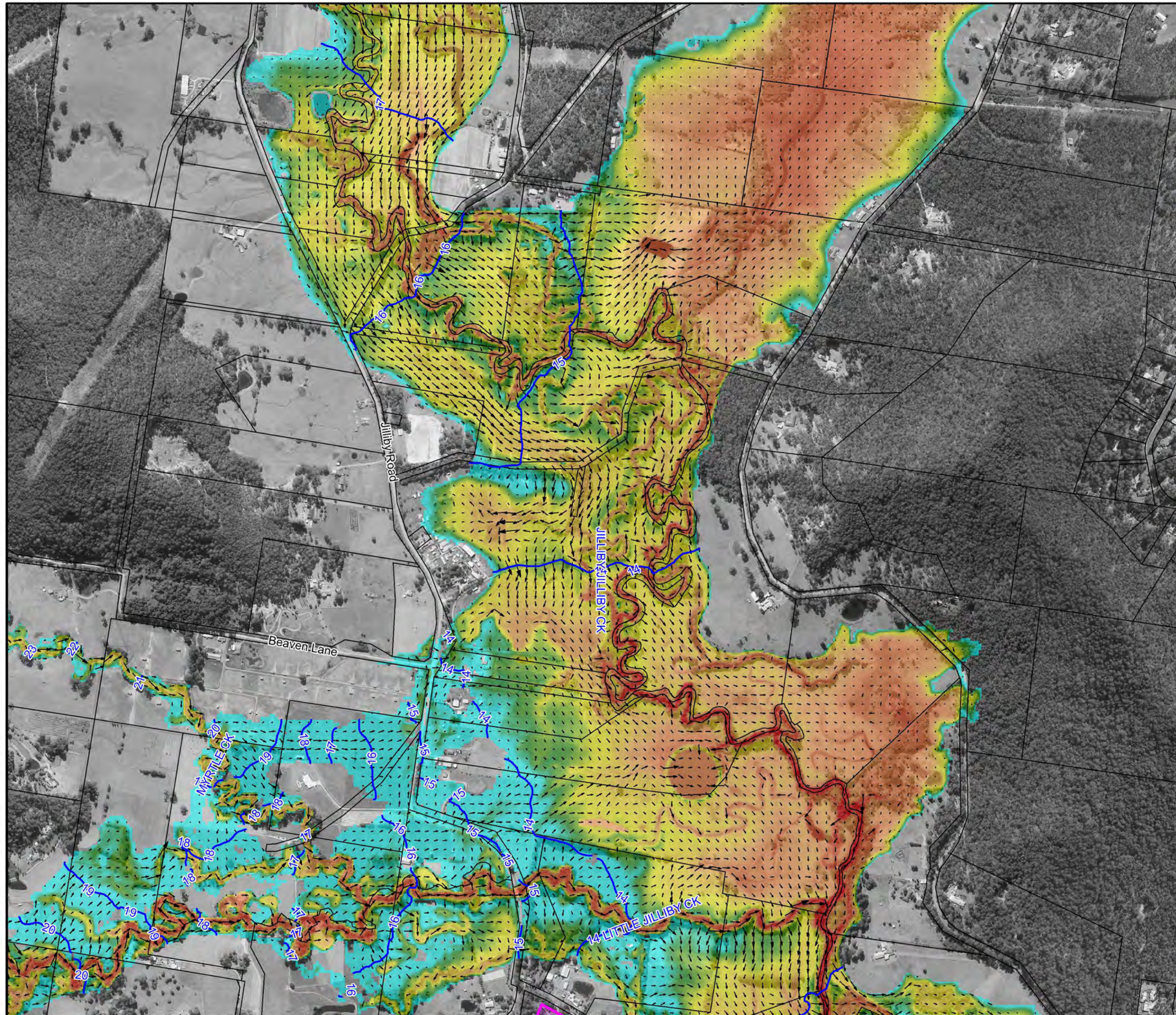
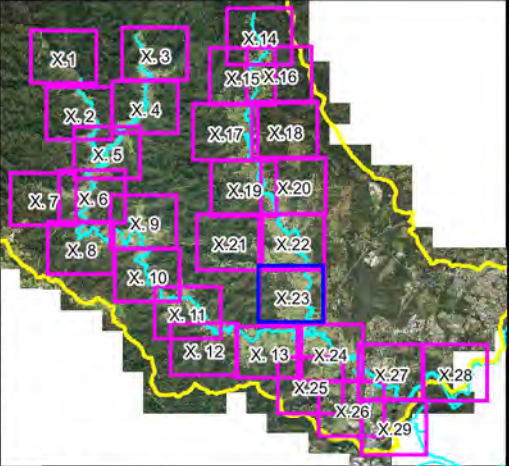
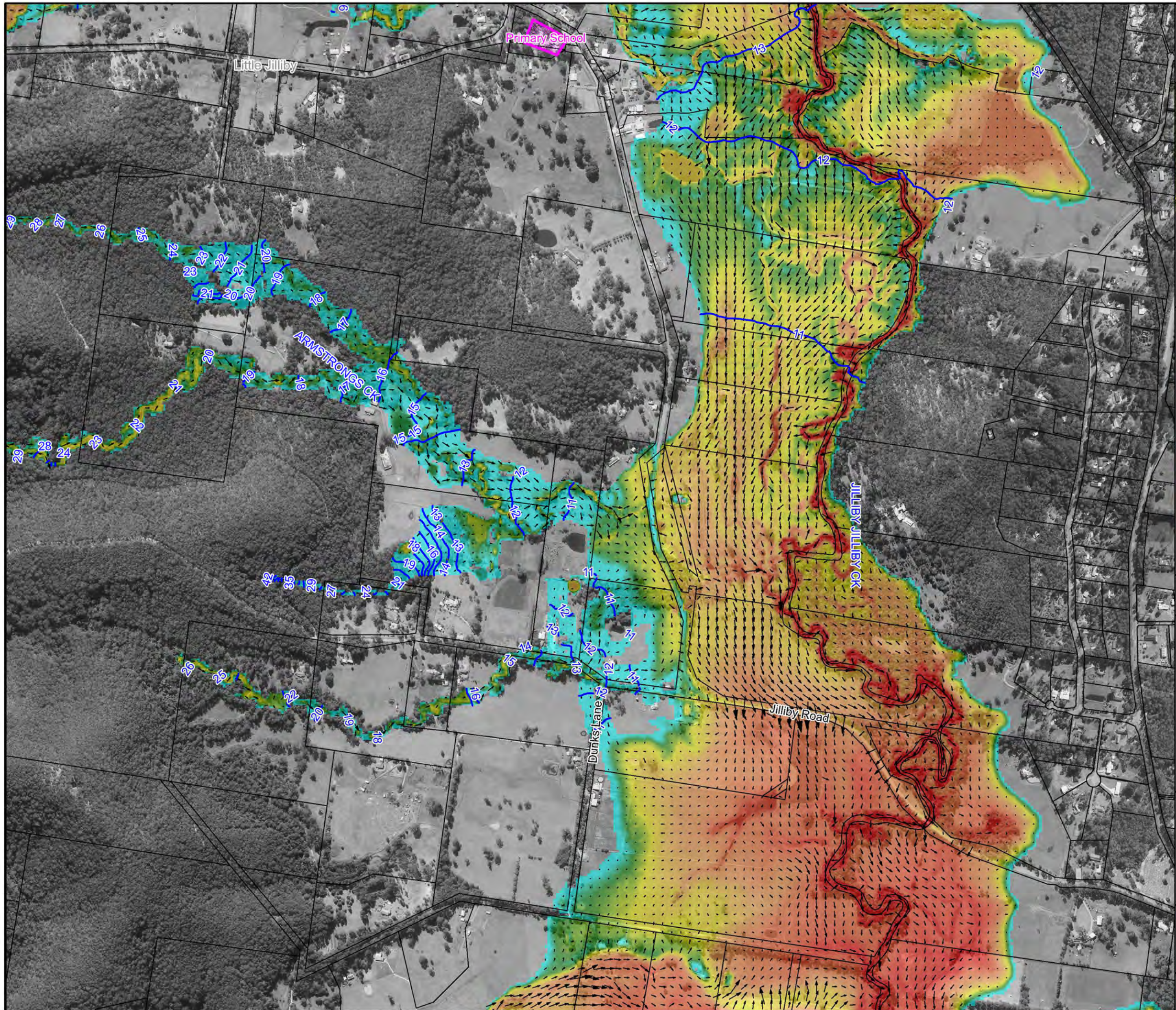


Figure A3.22:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.22 Peak Flood Depths 1%AEP.wor

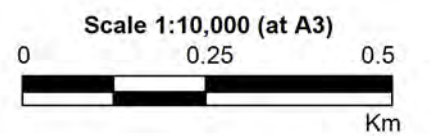




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

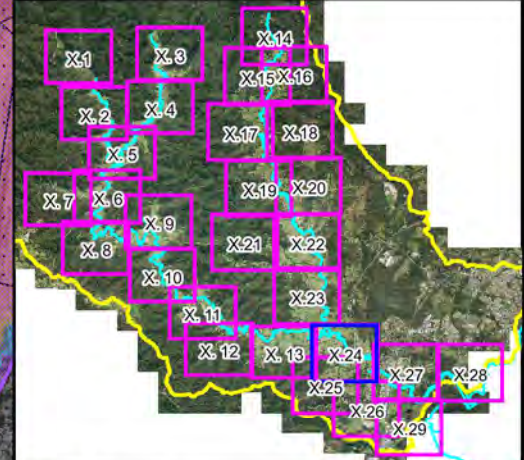


**Figure A3.23:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.23 Peak Flood
Depths 1%AEP.wor

Area not specifically considered as part of the study. Please refer to 'Porters Creek Floodplain Risk Management Study and Plan' (2012)



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

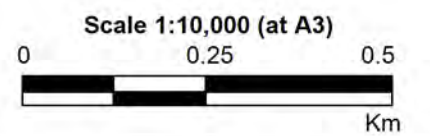
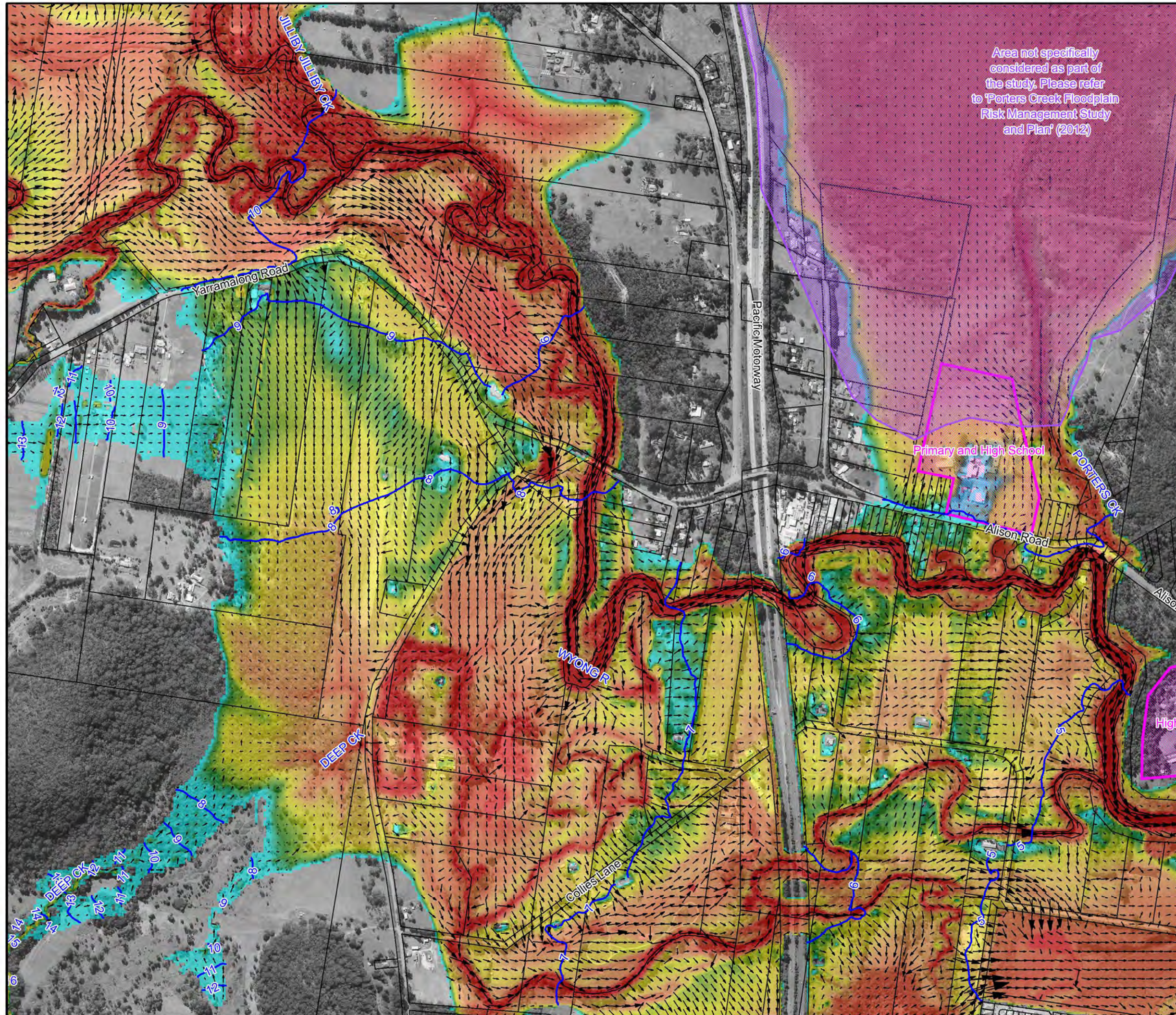
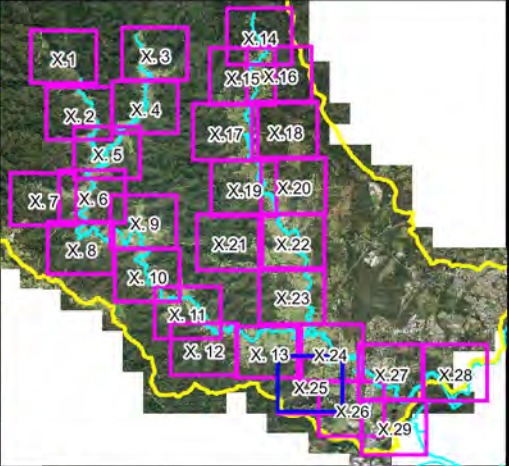
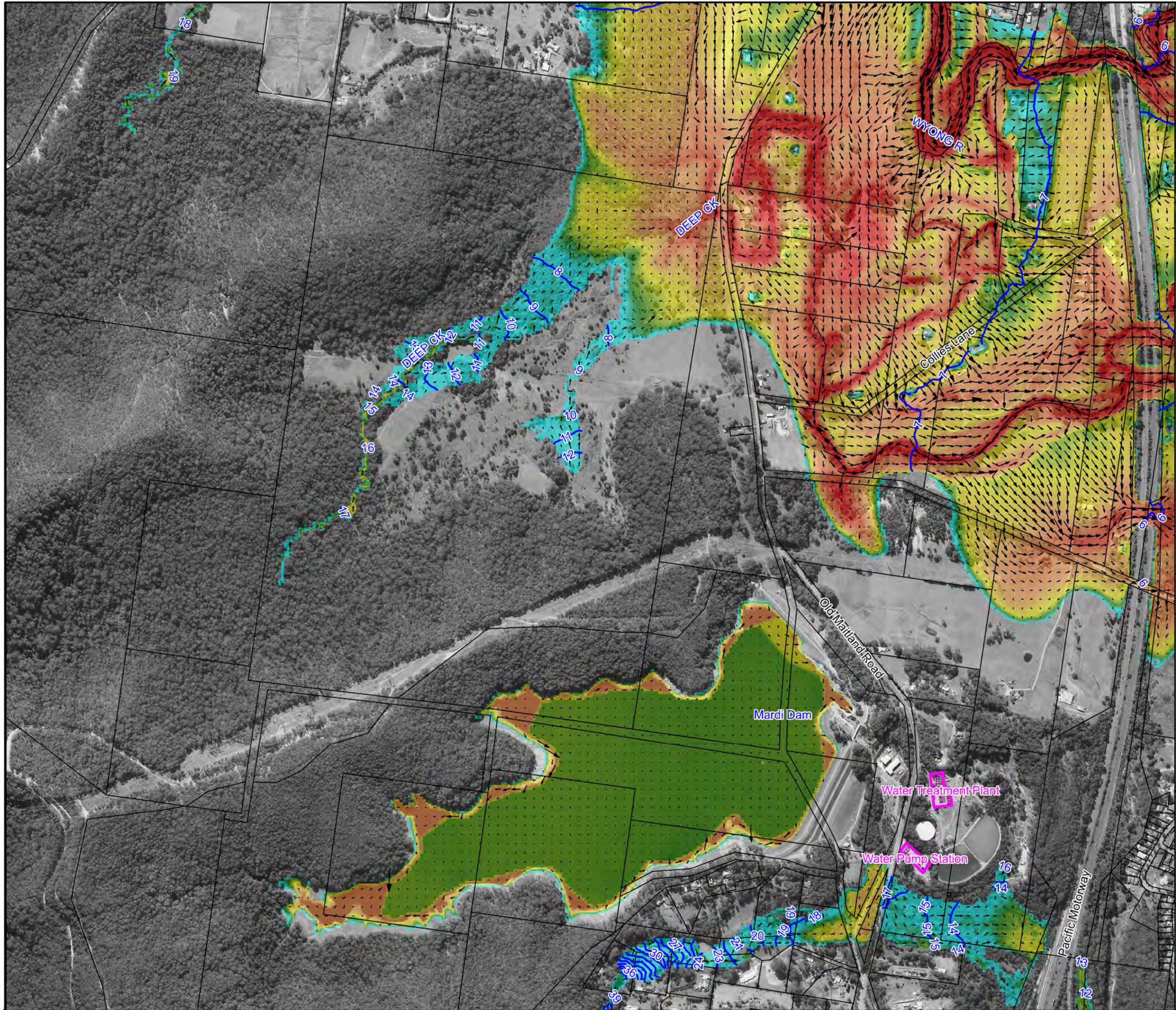


Figure A3.24:
Peak Floodwater Depths, Velocities and Levels for the 1%AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.24 Peak Flood Depths 1%AEP.wor

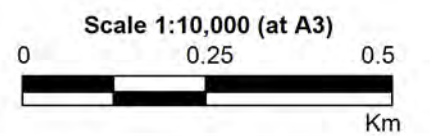




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

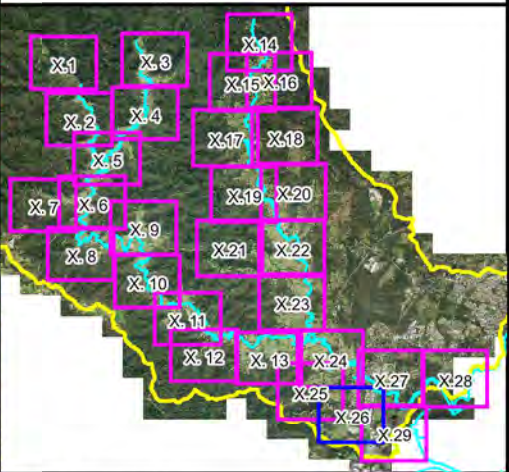
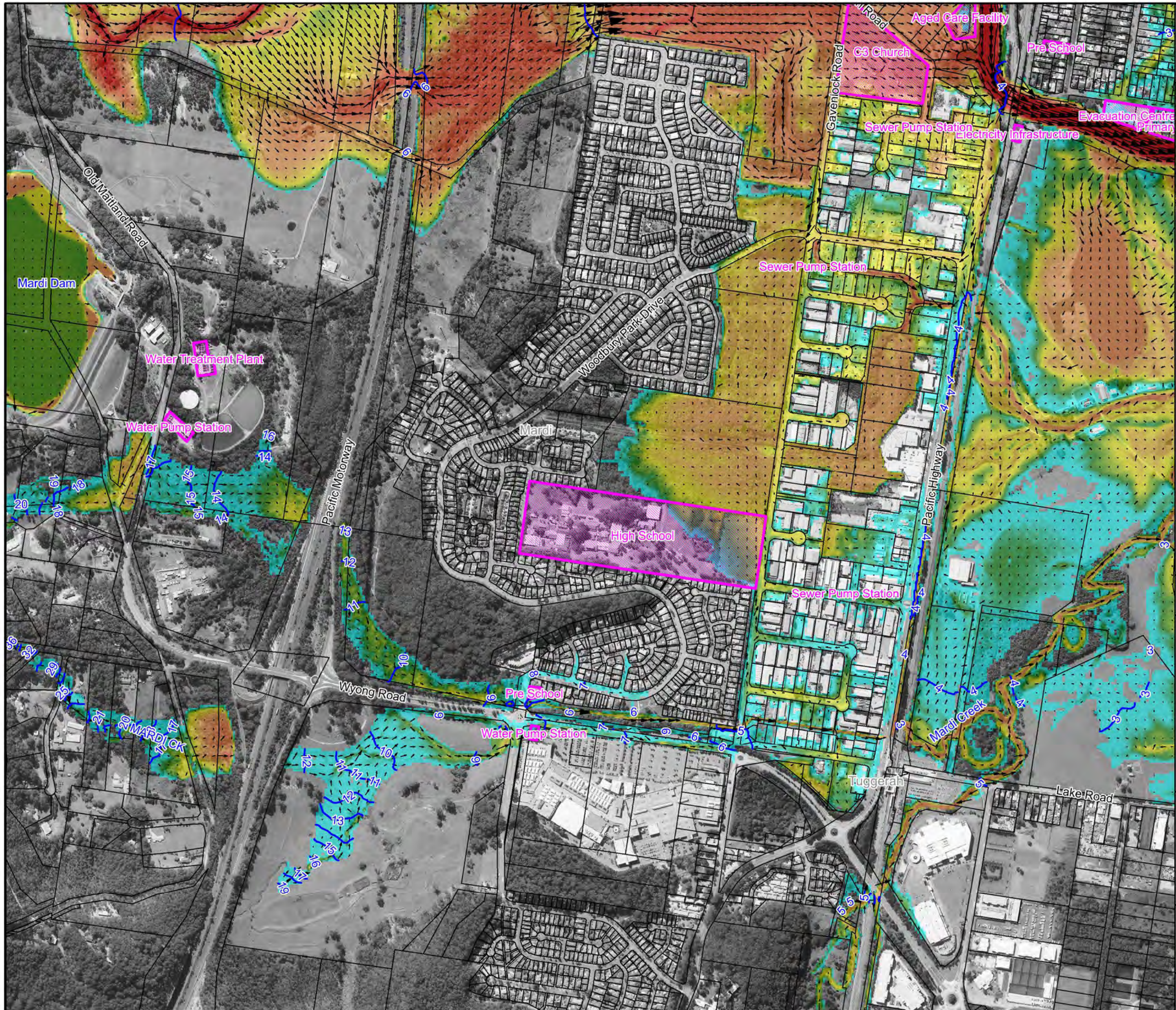
Notes:
Aerial photograph dated 2014



**Figure A3.25:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.25 Peak Flood
Depths 1%AEP.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

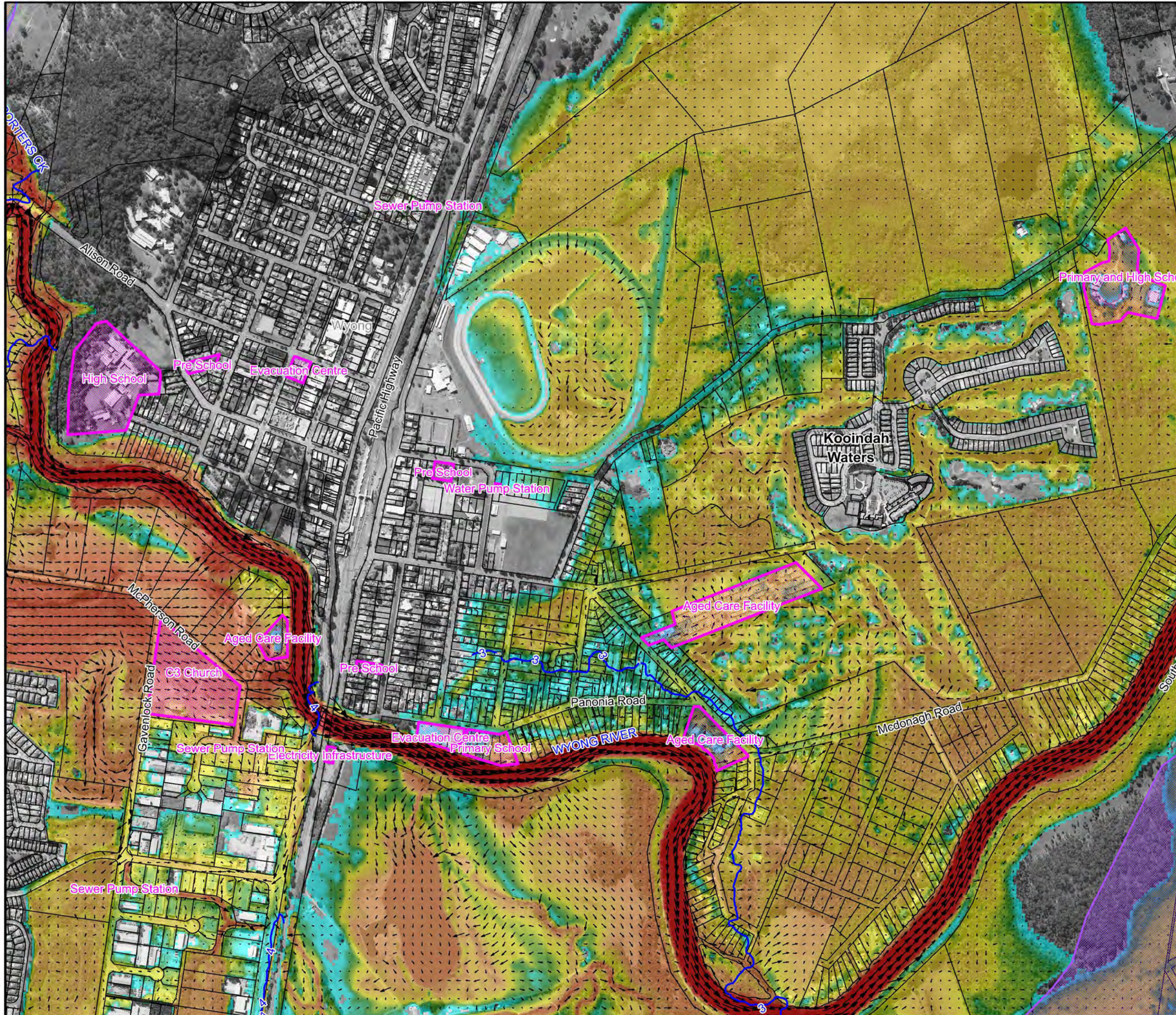
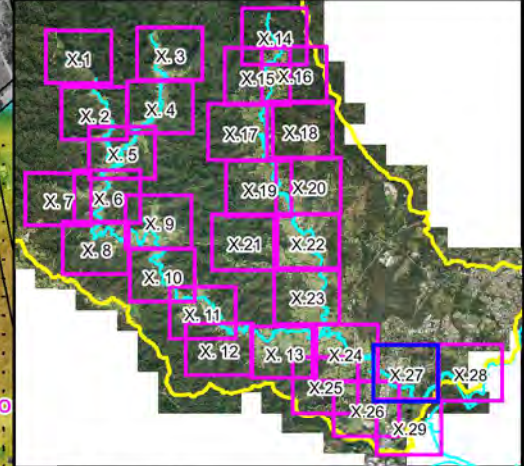
Notes:
Aerial photograph dated 2014

Scale 1:10,000 (at A3)

Figure A3.26:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.26 Peak Flood
Depths 1%AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

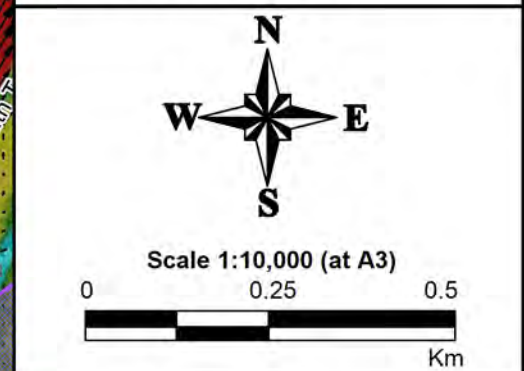
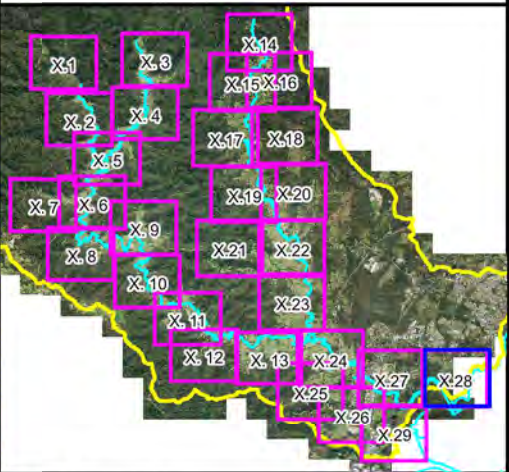
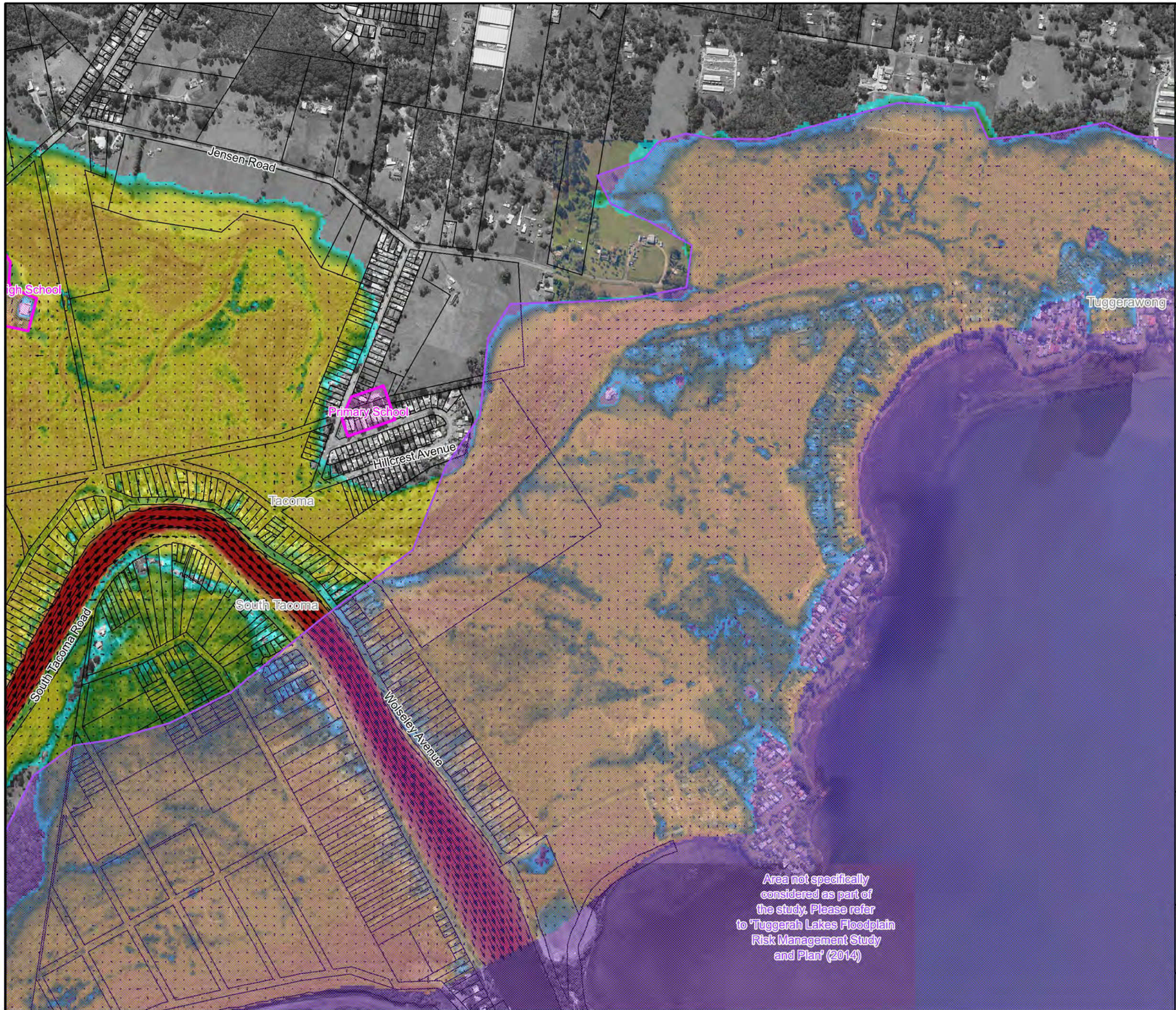


Figure A3.27:
Peak Floodwater Depths, Velocities and Levels for the 1% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.27 Peak Flood Depths 1% AEP.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

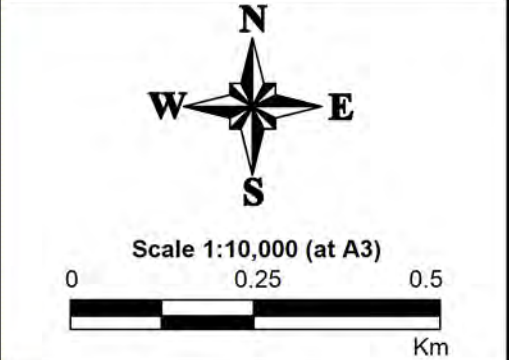
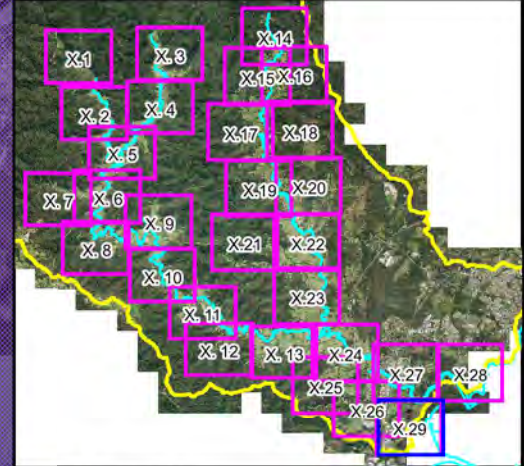


Figure A3.28:
Peak Floodwater Depths, Velocities and Levels for the 1% AEP Flood

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.28 Peak Flood Depths 1% AEP.wor

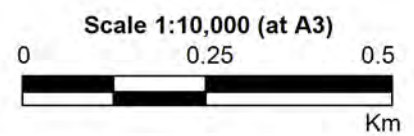
Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



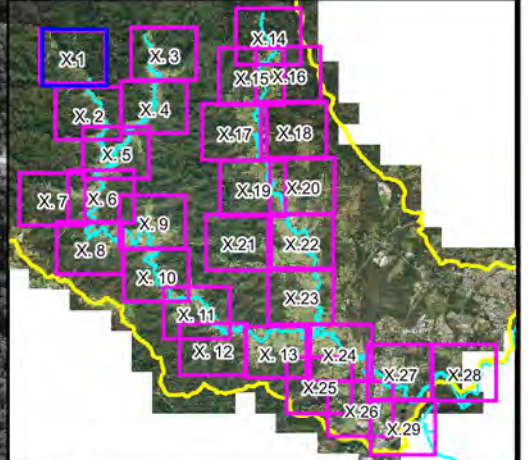
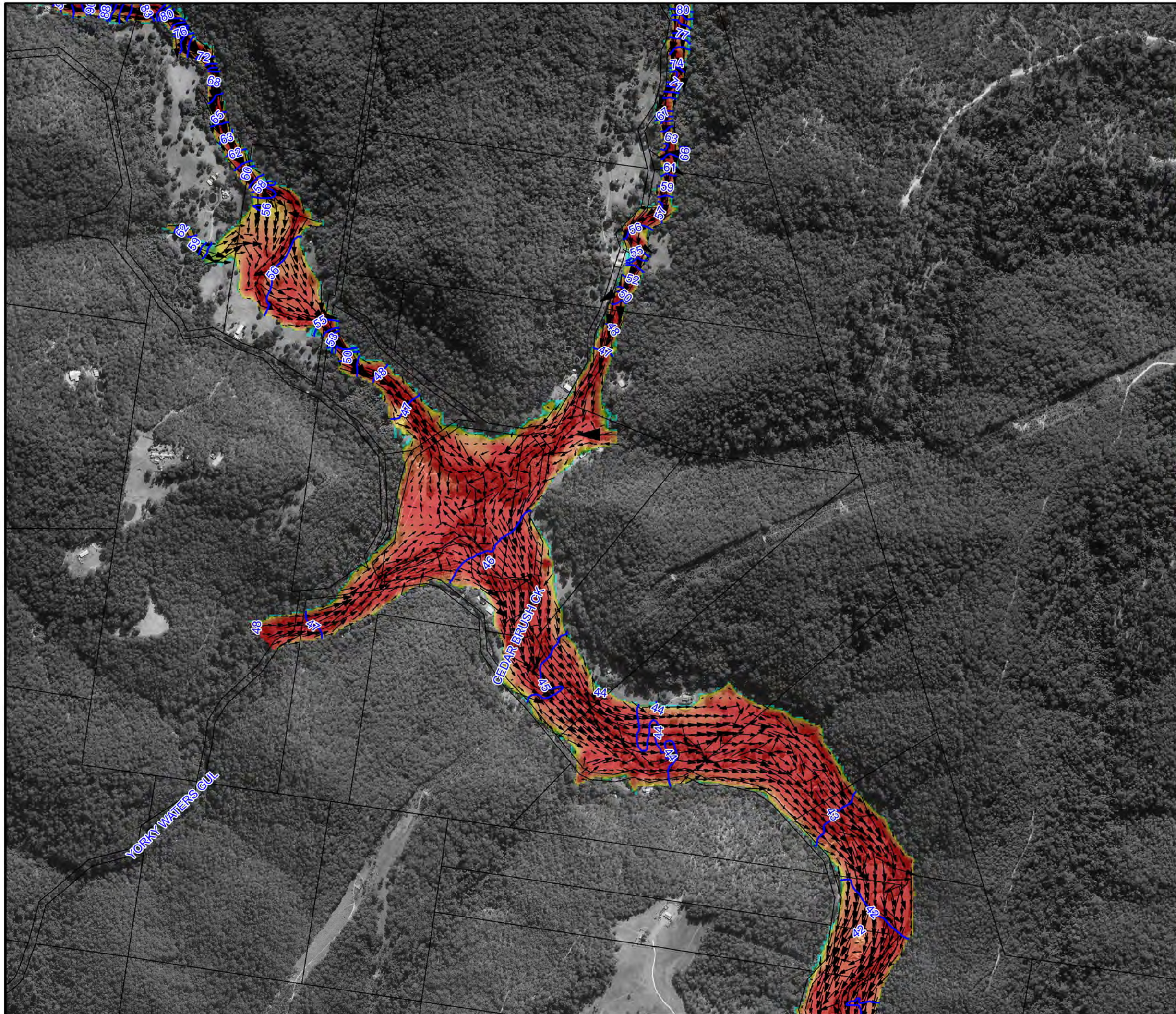
**Figure A3.29:
Peak Floodwater Depths,
Velocities and Levels
for the 1%AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A3.29 Peak Flood Depths 1%AEP.wor



Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)



LEGEND

- Peak Water Level Contour (mAHd)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

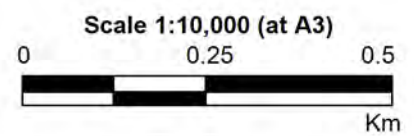
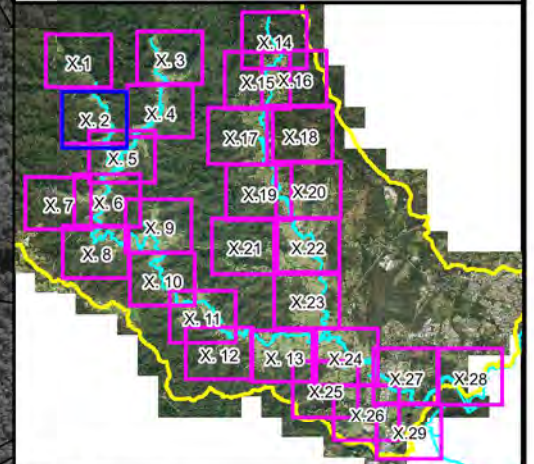


Figure A4.1:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000

File Name: Figure A4.1 Peak Flood Depths PMF.wor



LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

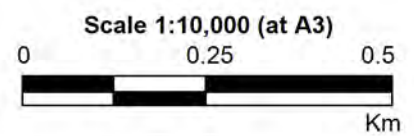
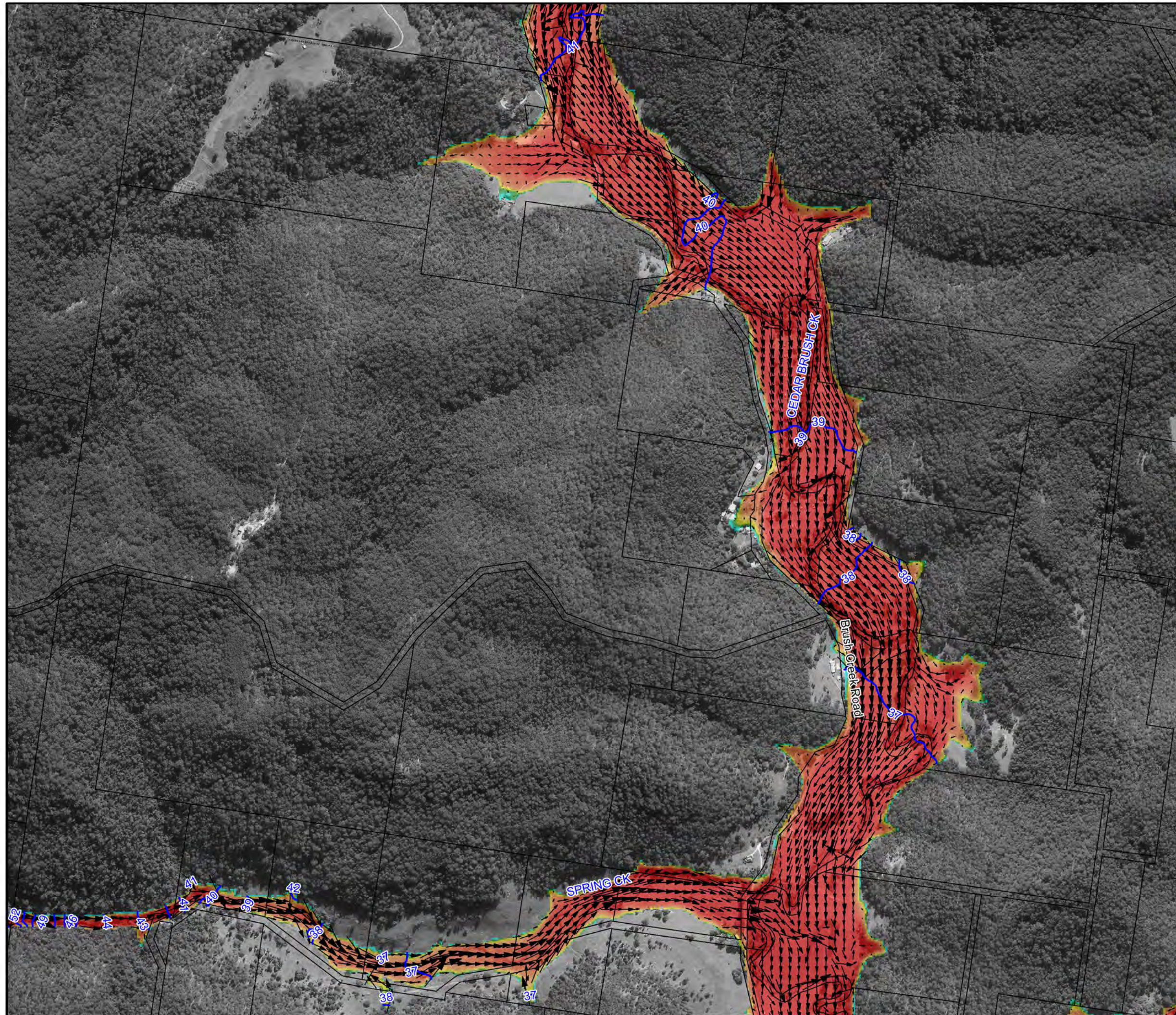
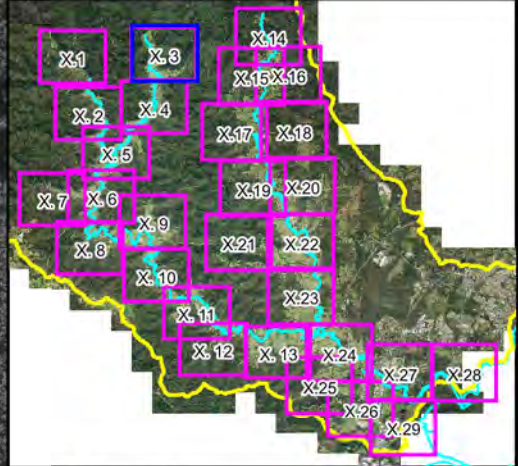
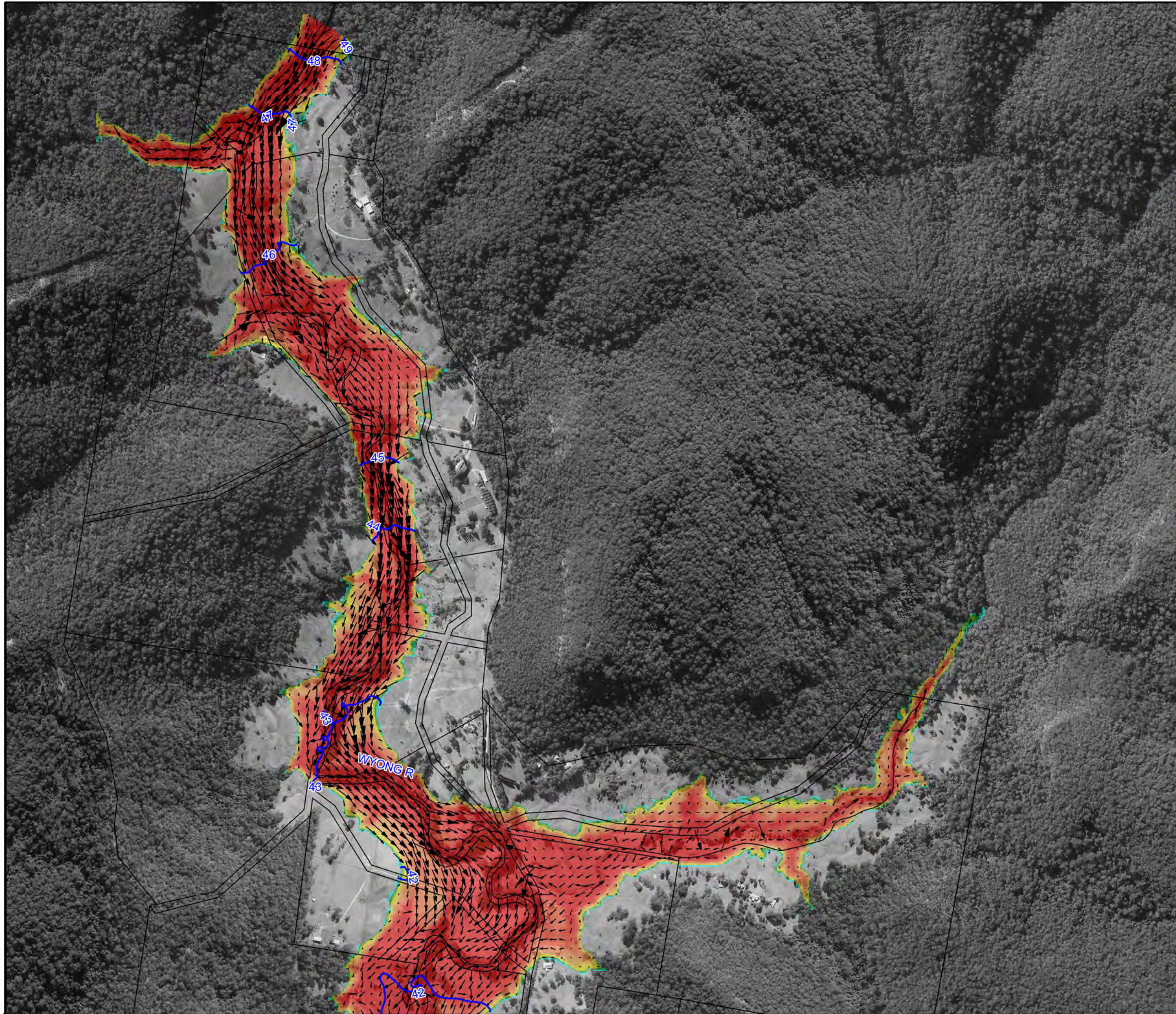


Figure A4.2:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.2 Peak Flood
Depths PMF.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

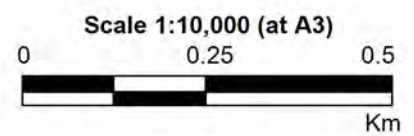
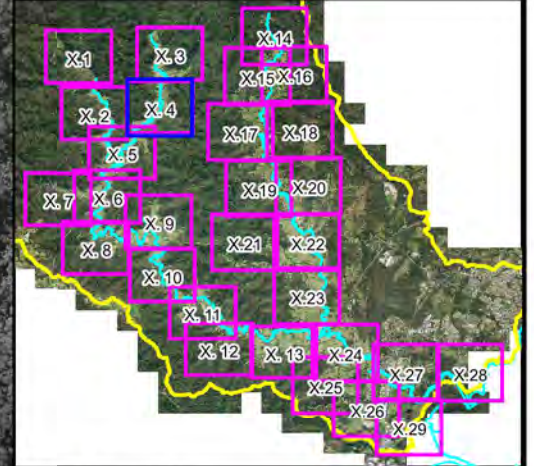


Figure A4.3:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.3 Peak Flood Depths PMF.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

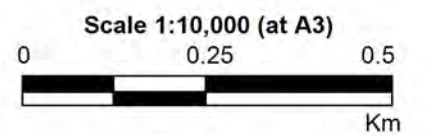
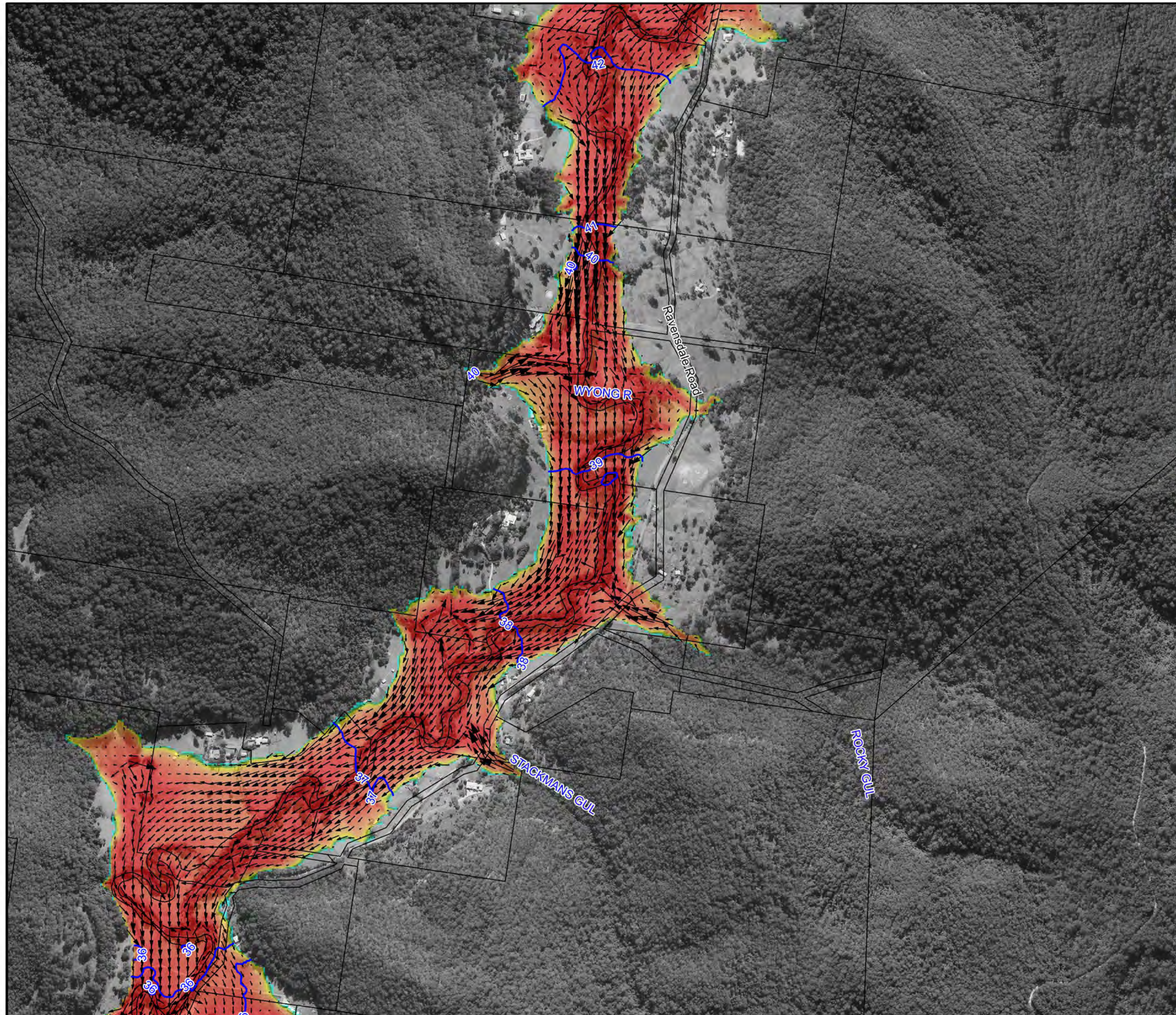
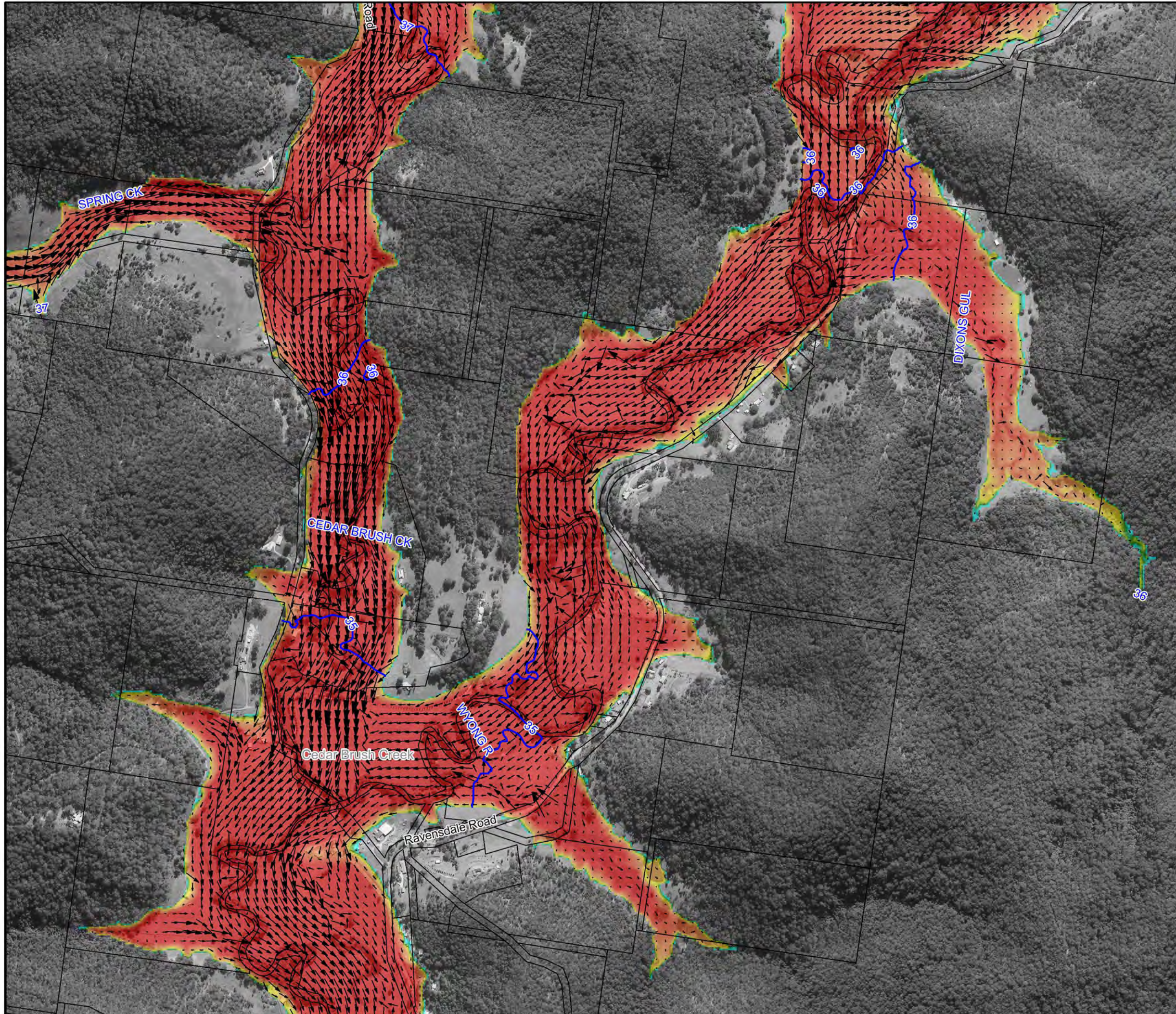
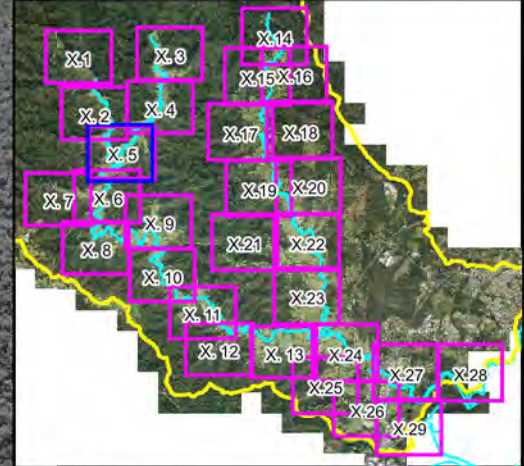


Figure A4.4:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.4 Peak Flood
Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

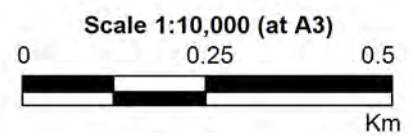
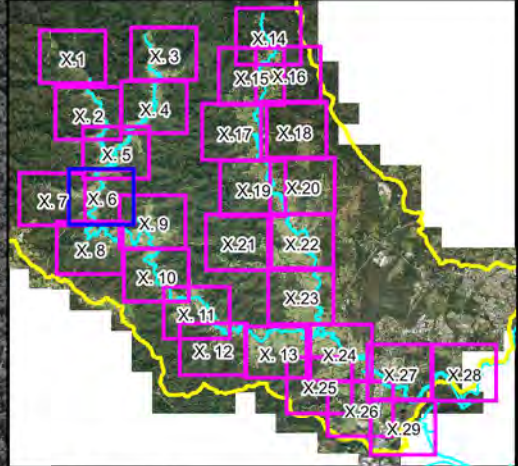
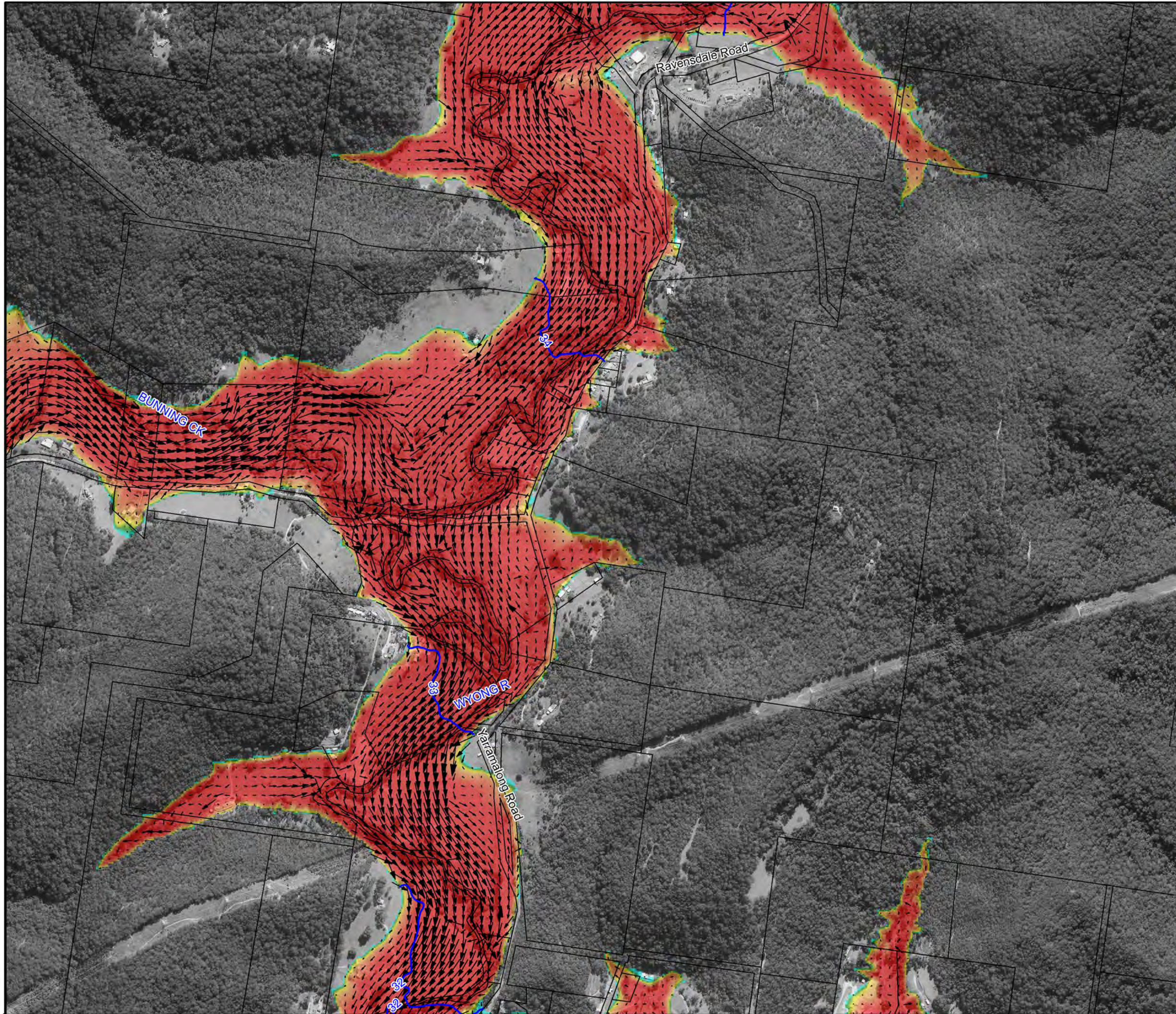


Figure A4.5:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.5 Peak Flood Depths PMF.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

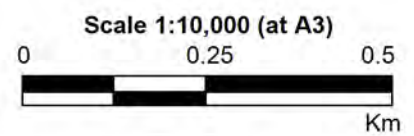
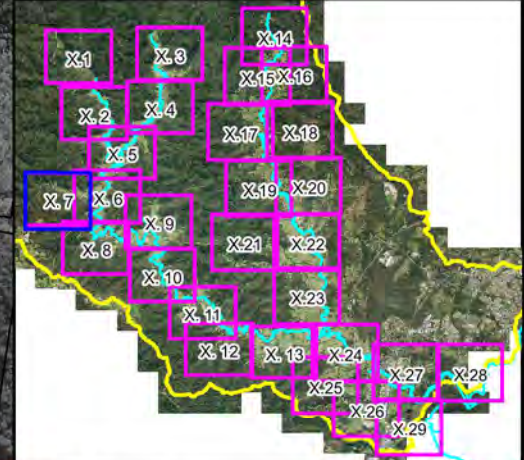


Figure A4.6:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.6 Peak Flood
Depths PMF.wor



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

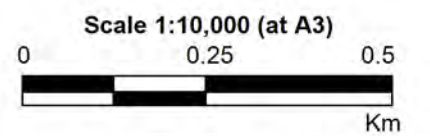
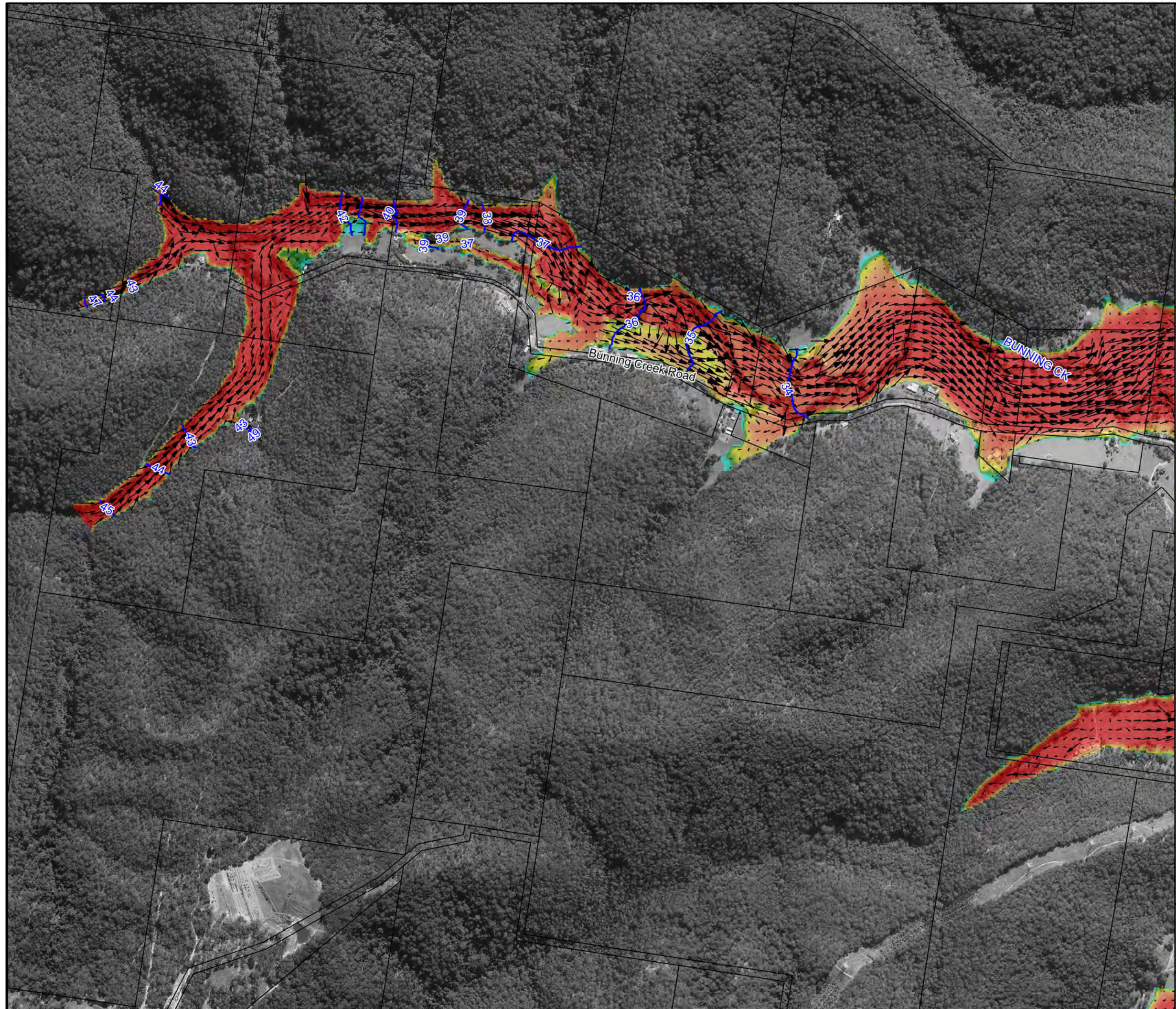
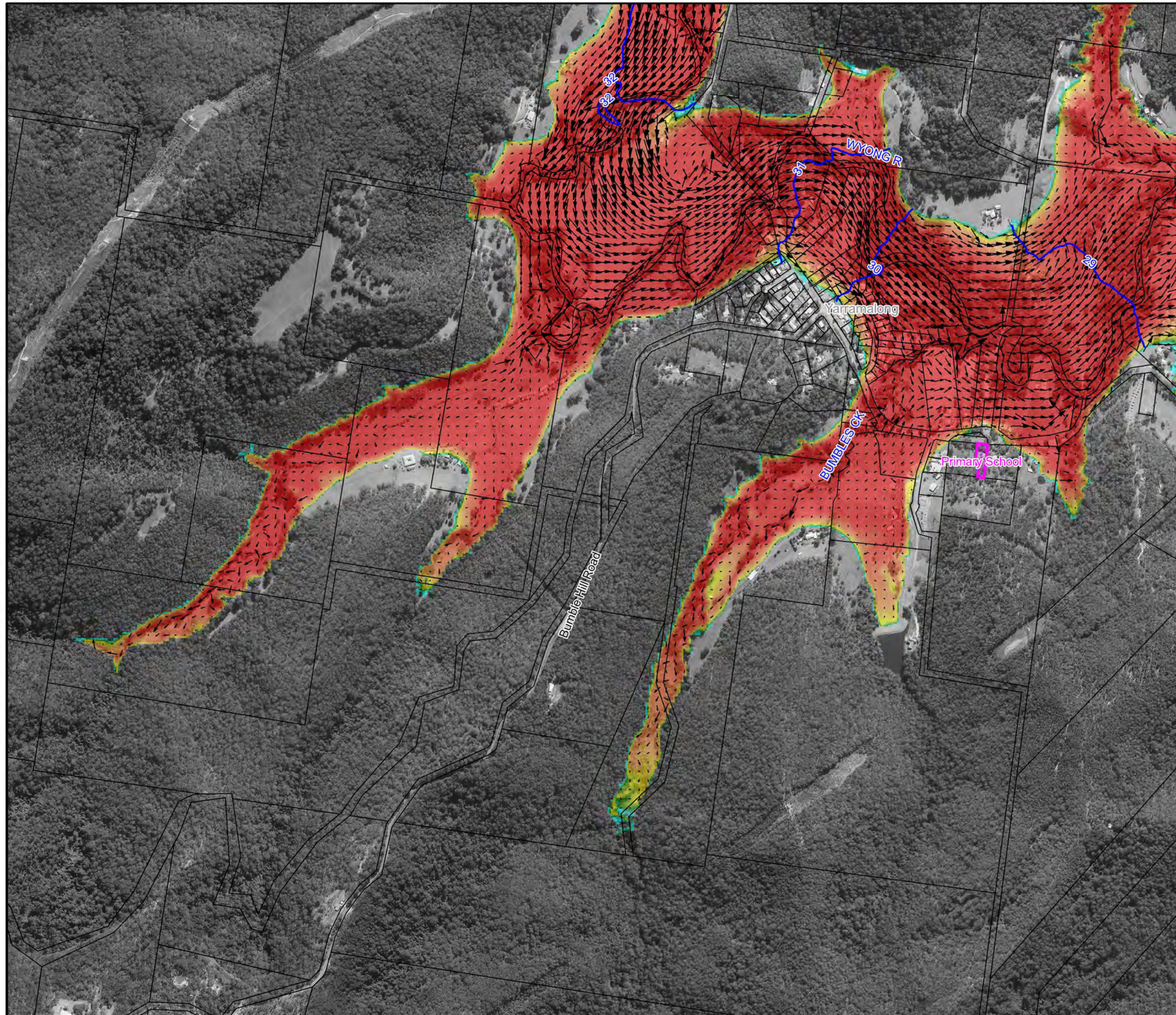
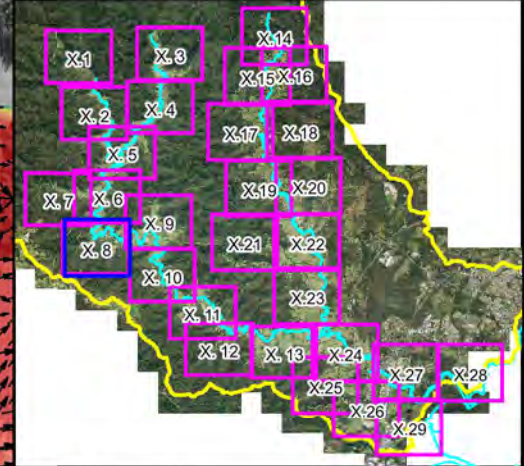


Figure A4.7:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.7 Peak Flood Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

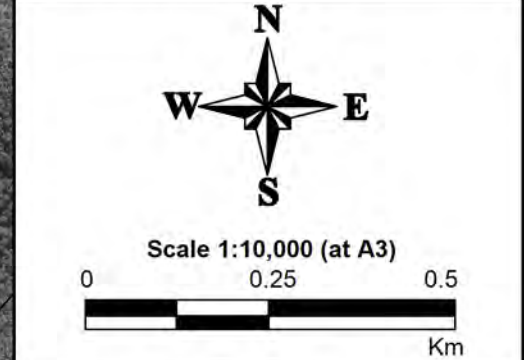
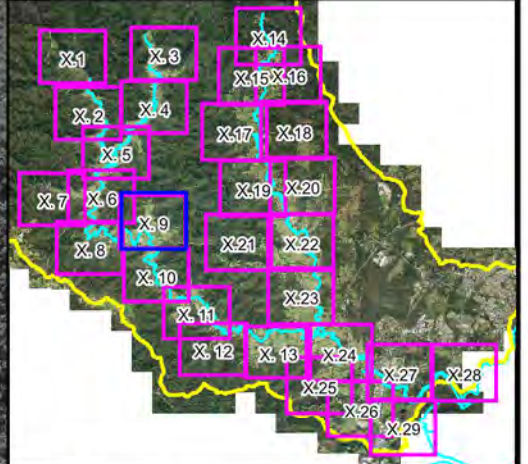
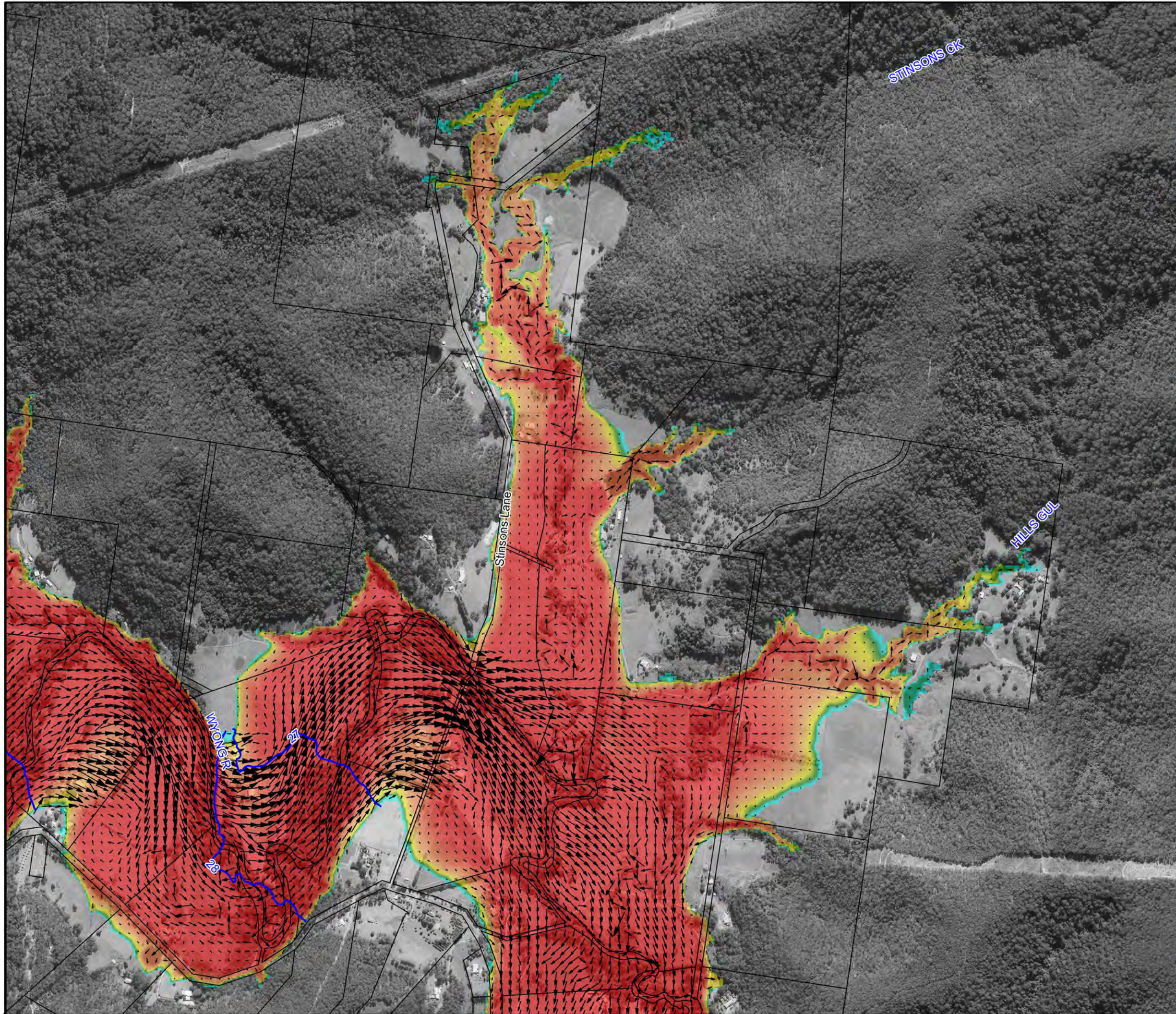


Figure A4.8:
Peak Floodwater Depths, Velocities and Levels for the PMF



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

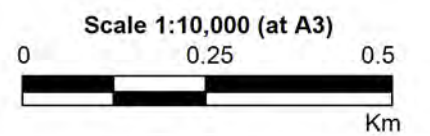
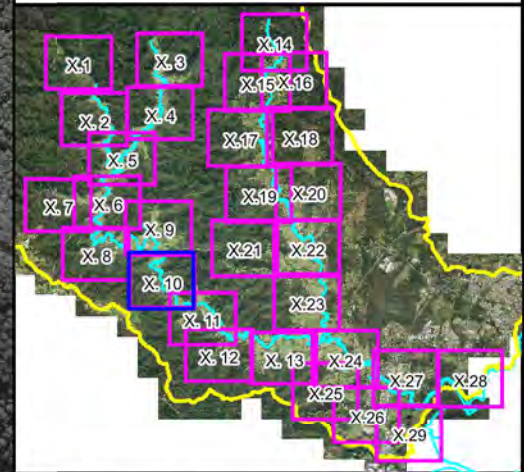


Figure A4.9:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.9 Peak Flood
Depths PMF.wor

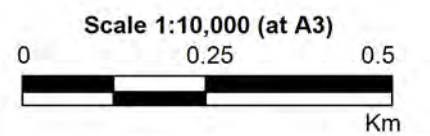


LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | 4 m/s |
| 3.0 | |

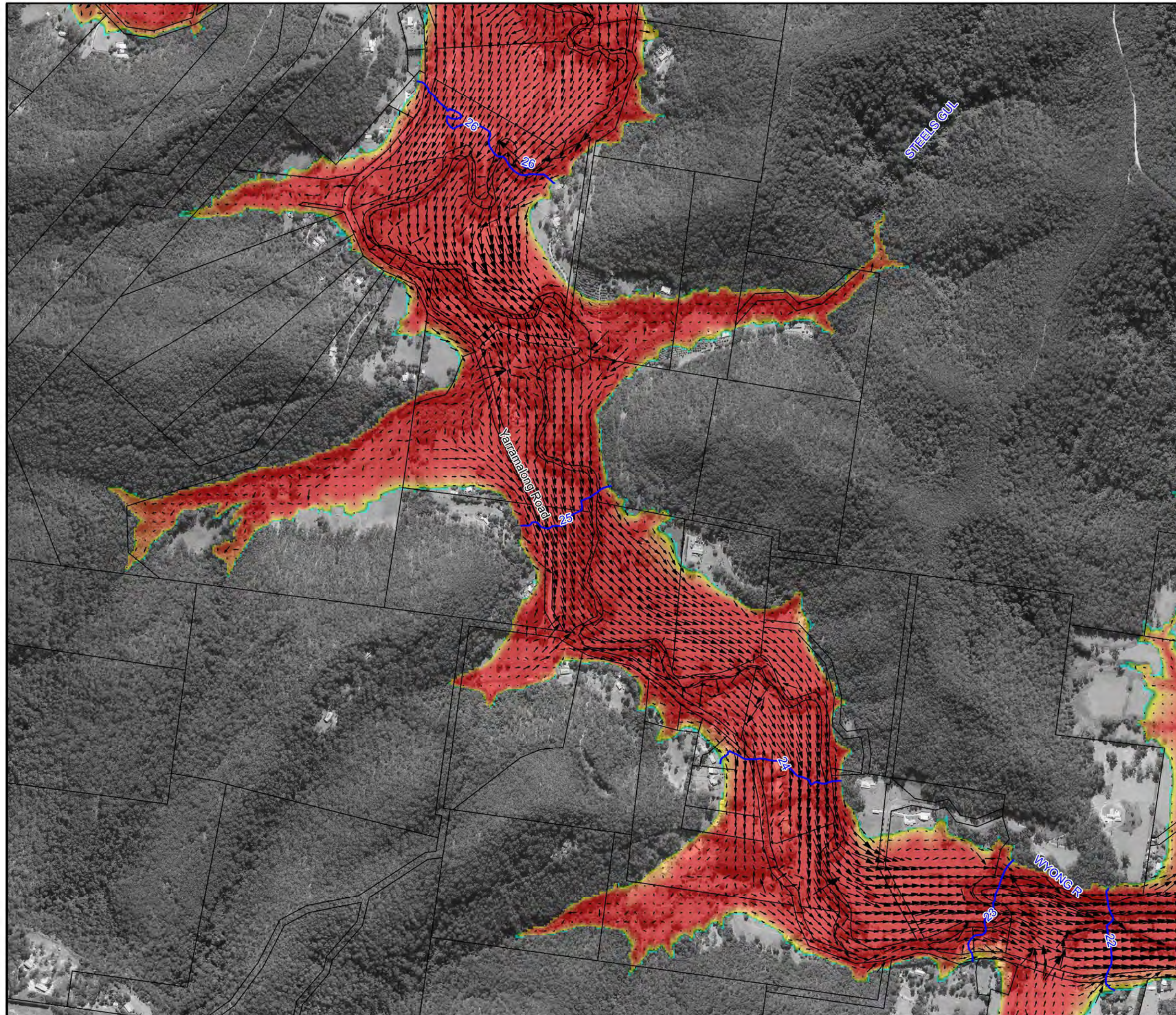
Notes:
Aerial photograph dated 2014

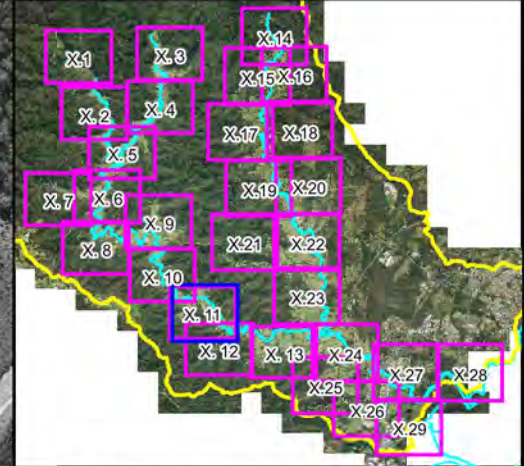


**Figure A4.10:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.10 Peak Flood
Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

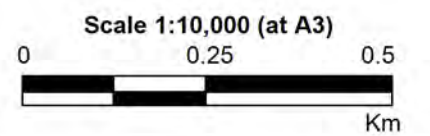
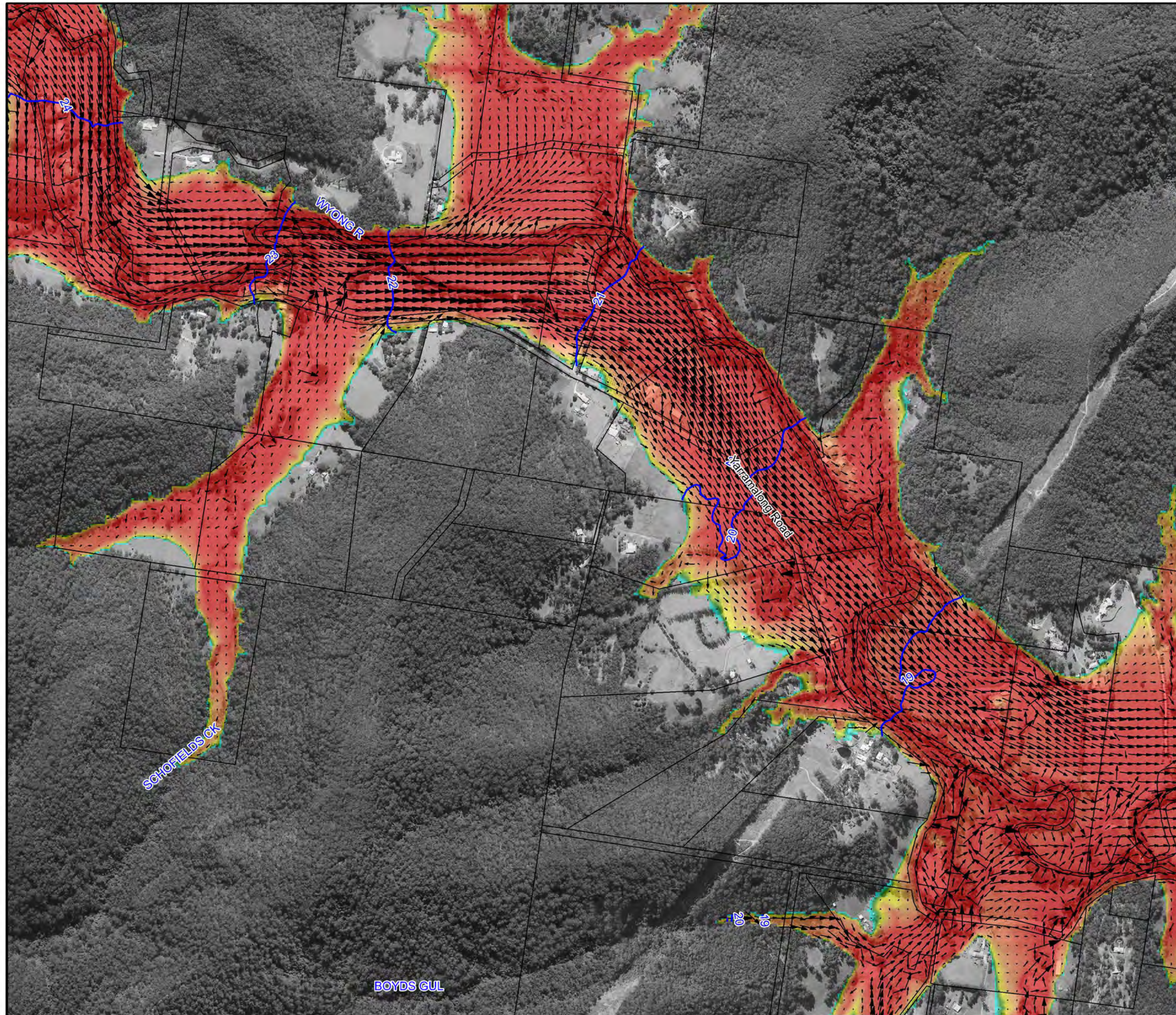
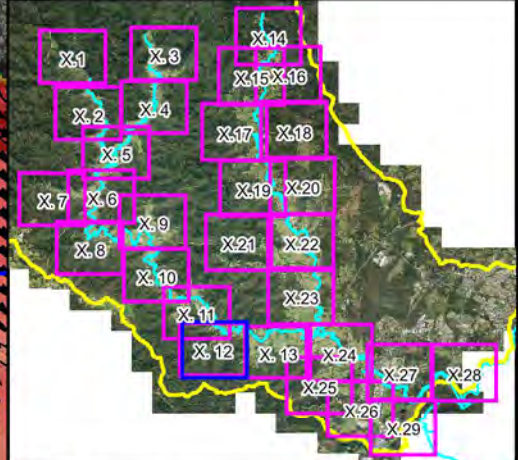


Figure A4.11:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.11 Peak Flood Depths PMF.wor

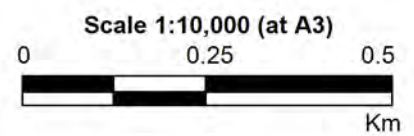




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

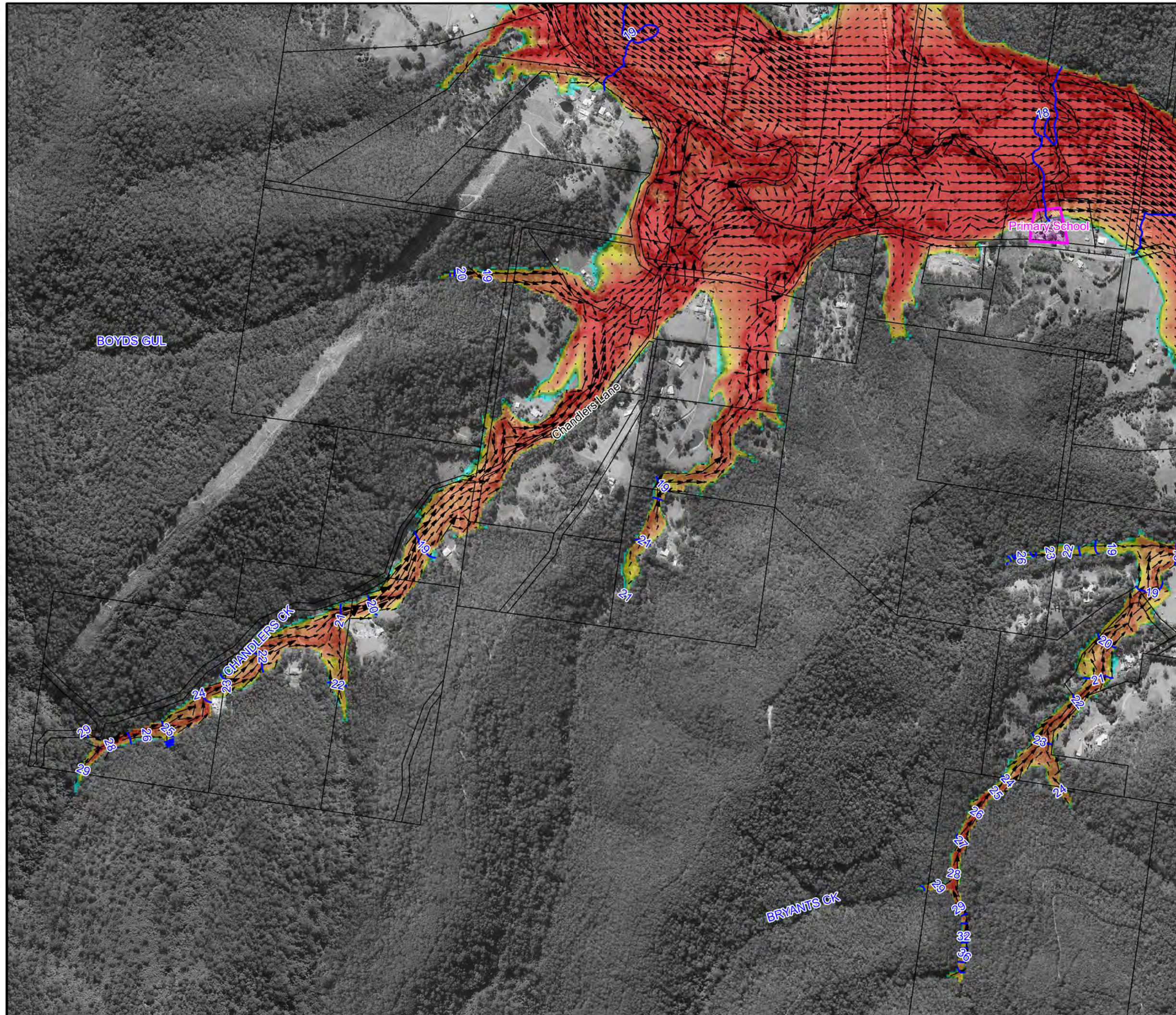
Notes:
Aerial photograph dated 2014

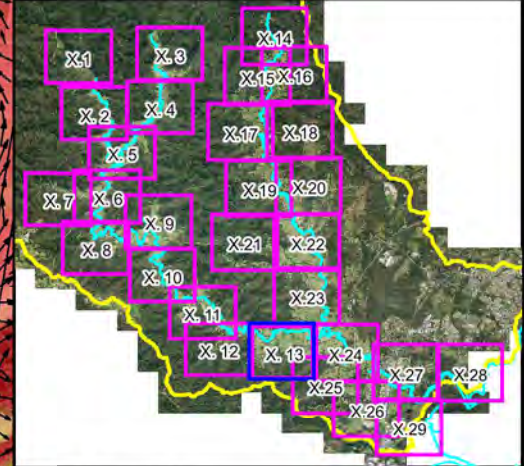


**Figure A4.12:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.12 Peak Flood Depths PMF.wor





LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

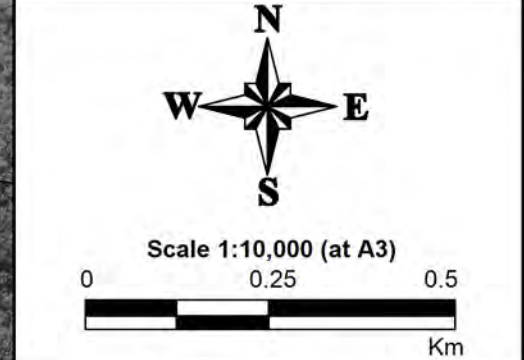
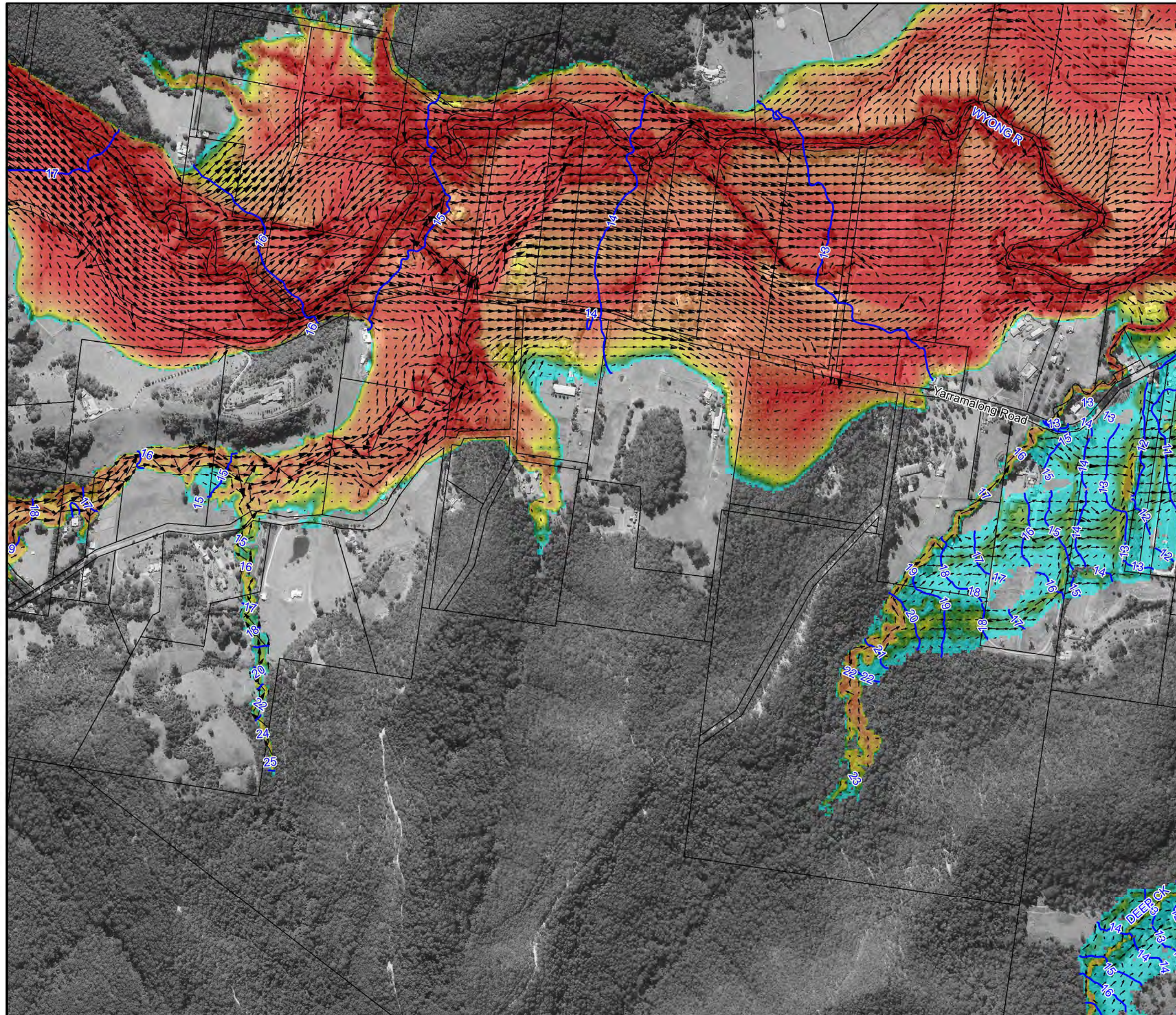
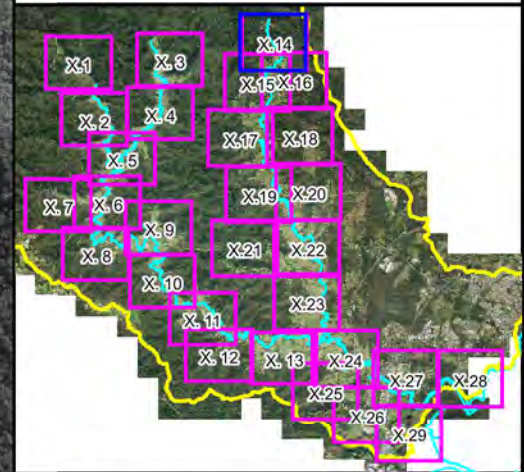


Figure A4.13:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.13 Peak Flood
Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

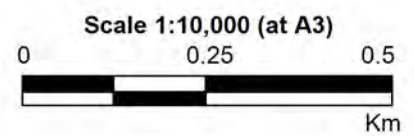
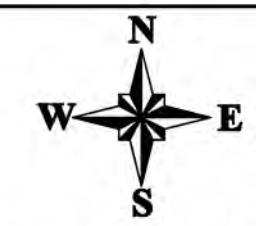
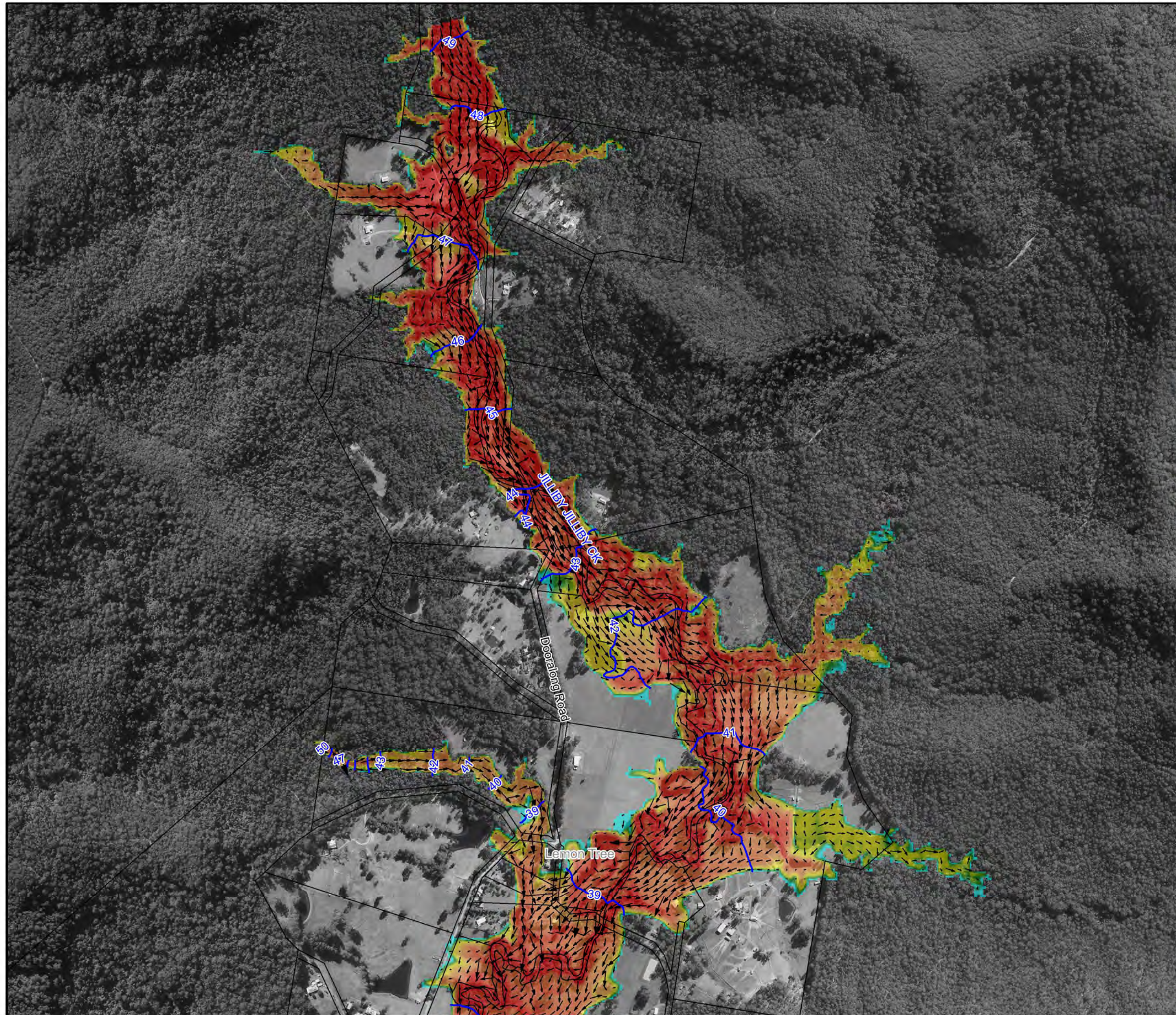
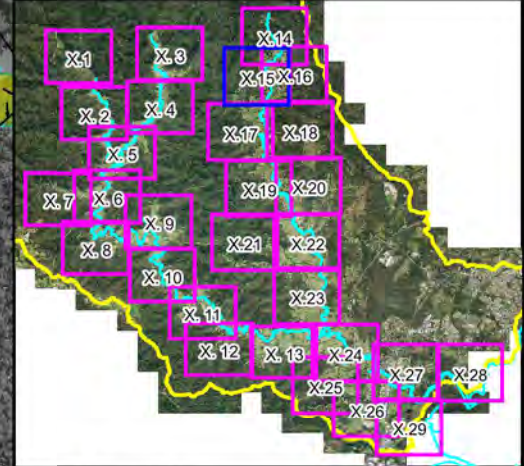


Figure A4.14:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.14 Peak Flood Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

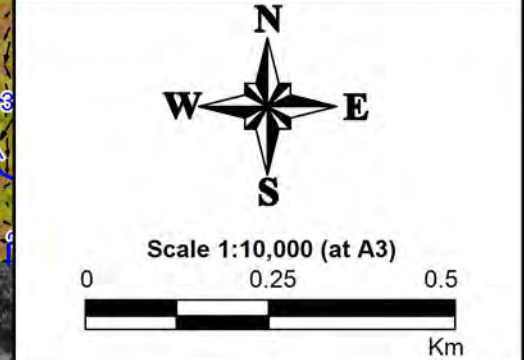
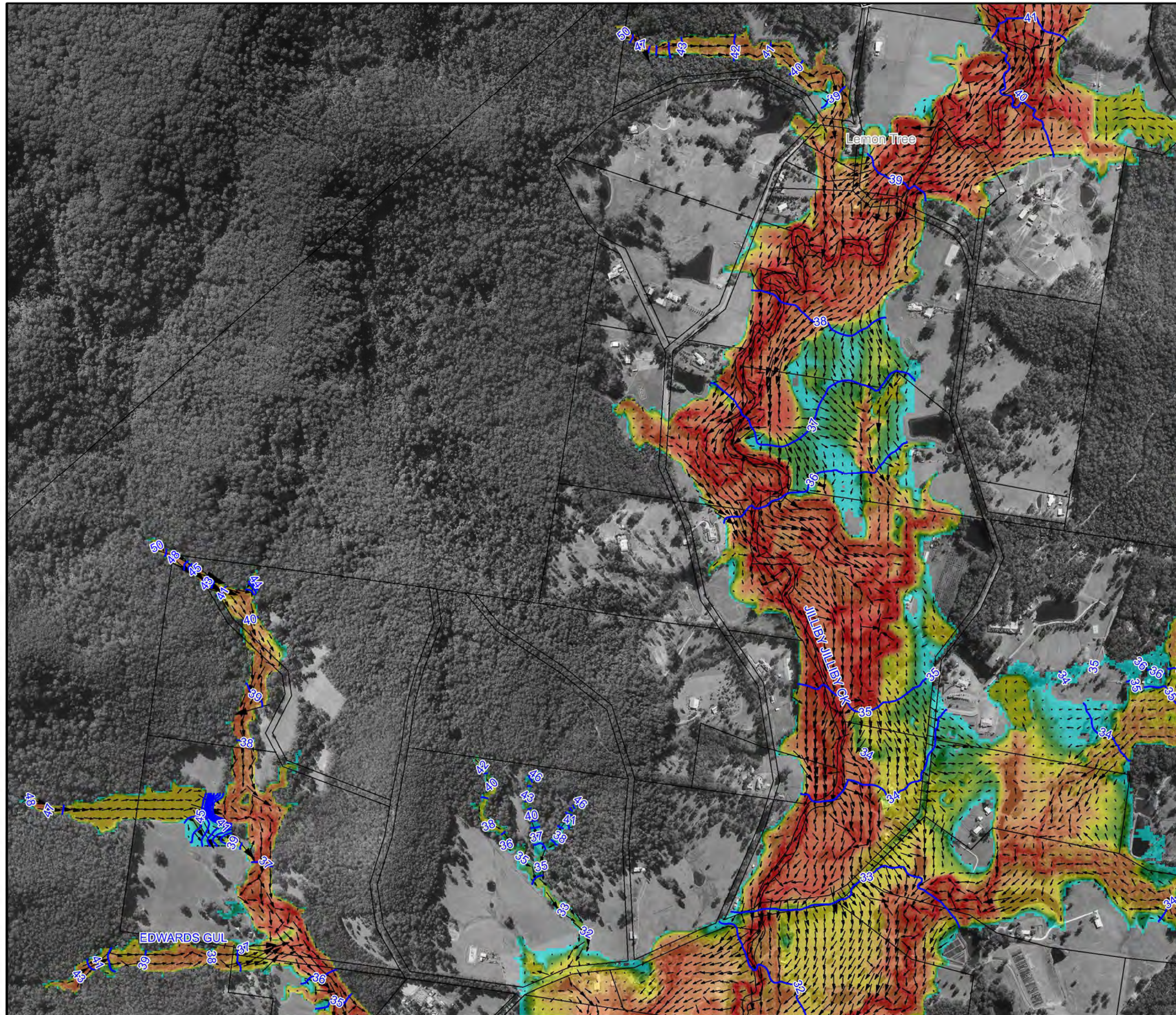
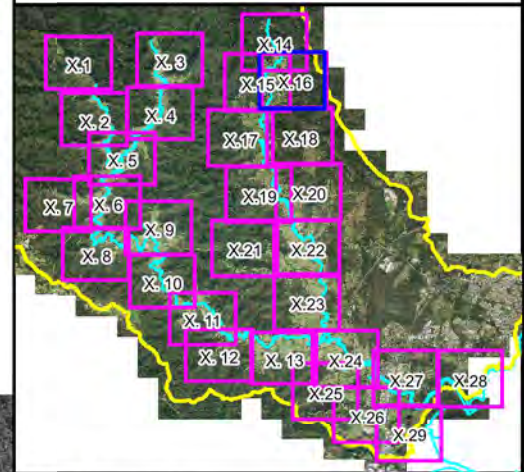
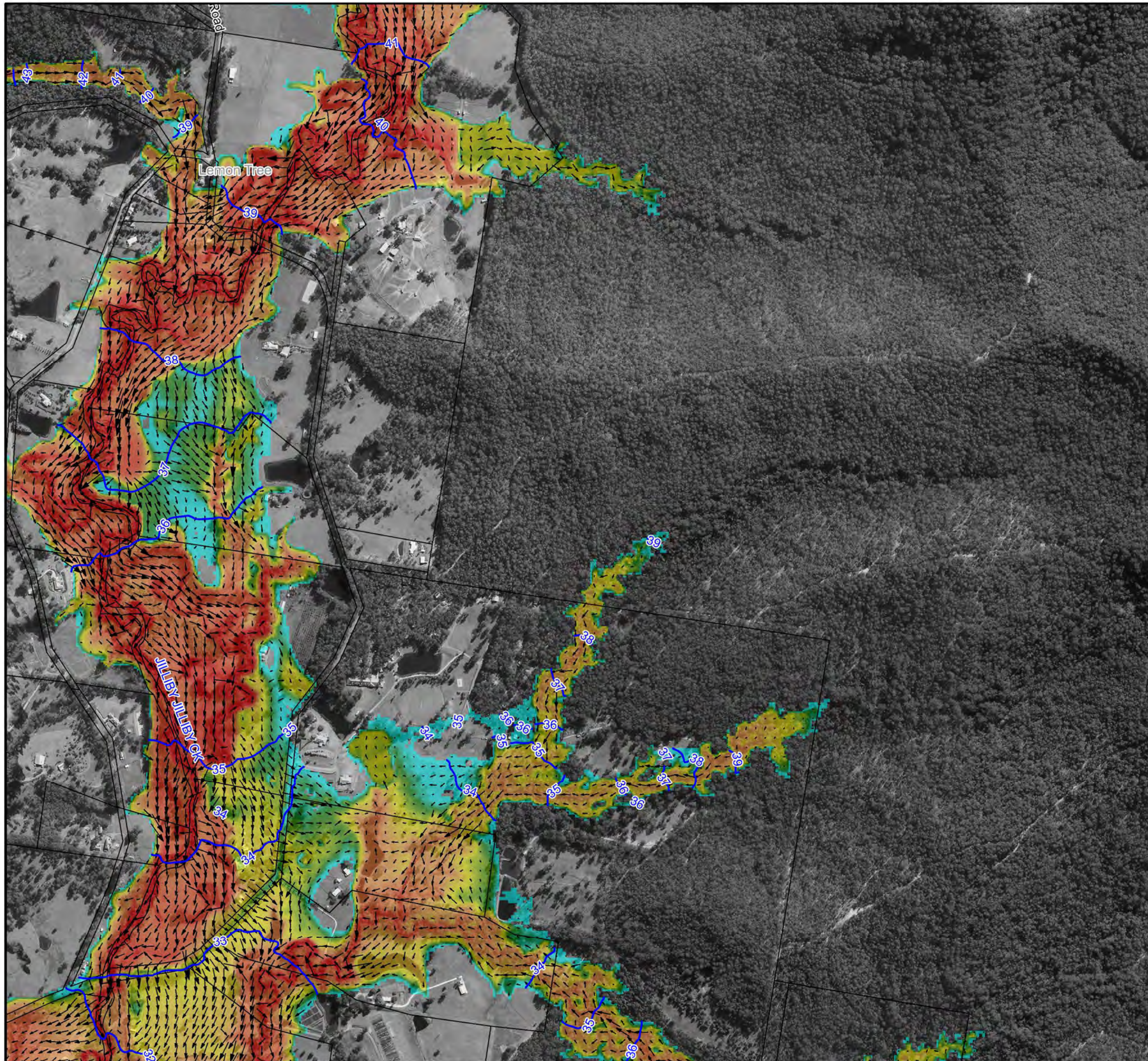


Figure A4.15:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.15 Peak Flood Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

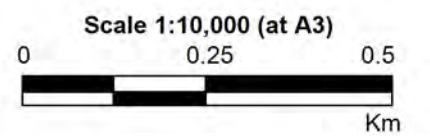
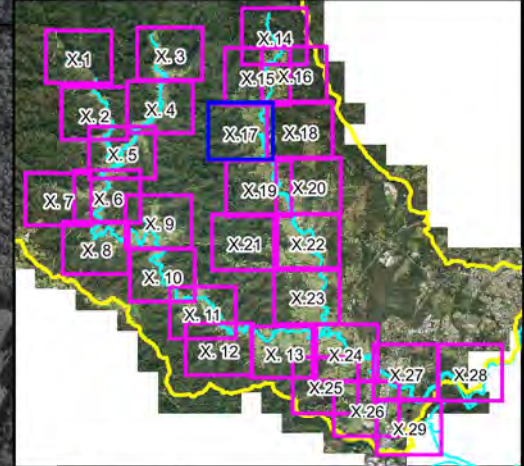


Figure A4.16:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000

File Name: Figure A4.16 Peak Flood Depths PMF.wor

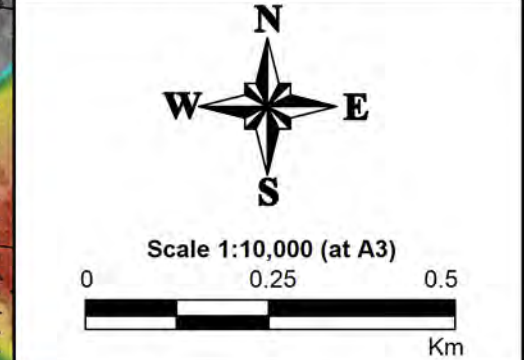


LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

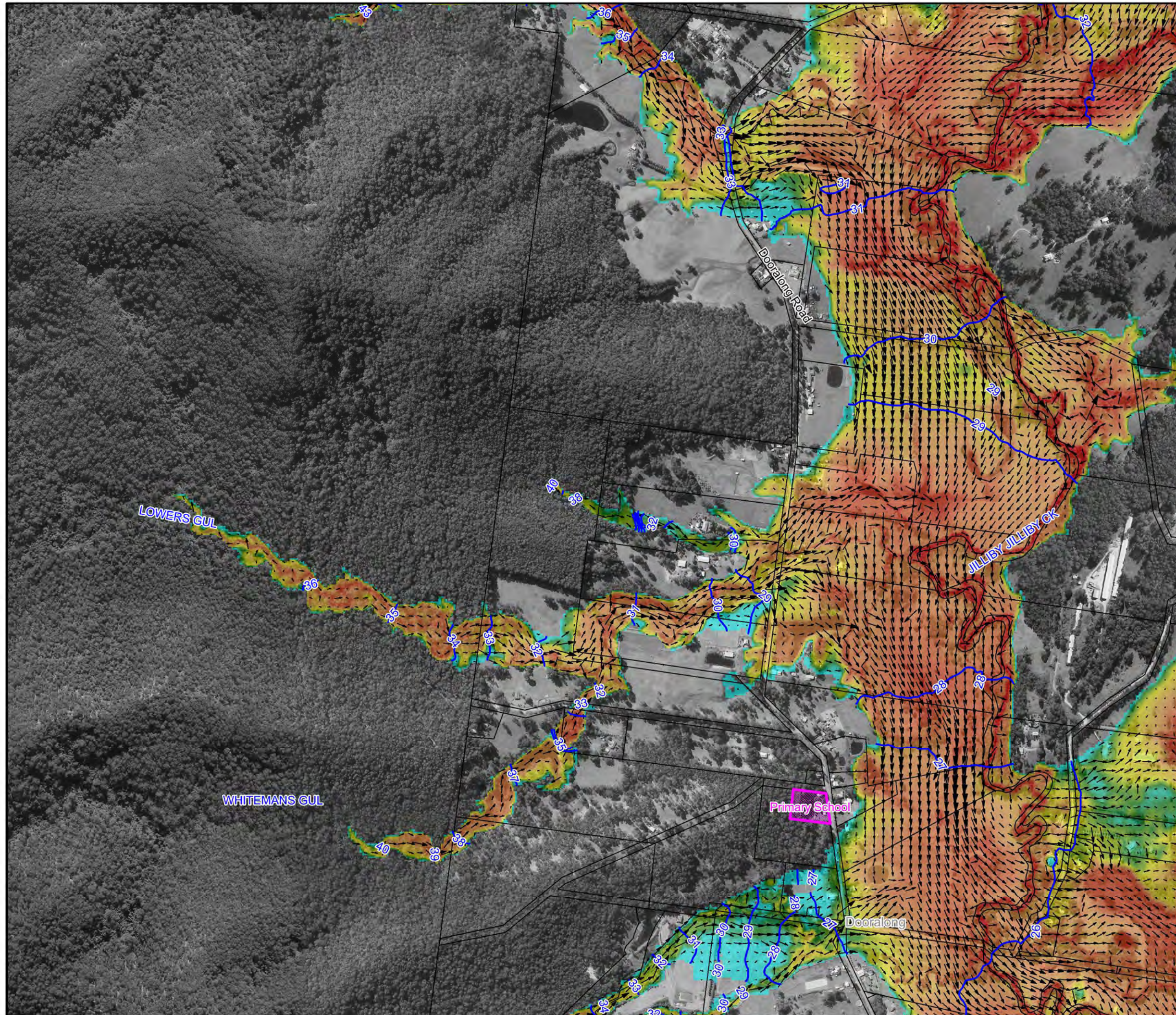
Notes:
Aerial photograph dated 2014

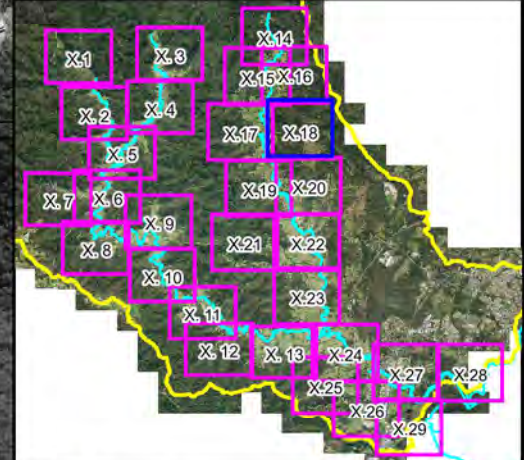


**Figure A4.17:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.17 Peak Flood Depths PMF.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

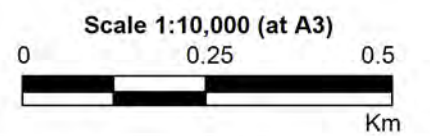
Depths (m)

| | |
|--|--------|
| | <= 0.2 |
| | 0.5 |
| | 1.0 |
| | 2.0 |
| | 3.0 |

Velocity Vector (m/s)

| | |
|--|-------|
| | 1 m/s |
| | 2 m/s |
| | 4 m/s |

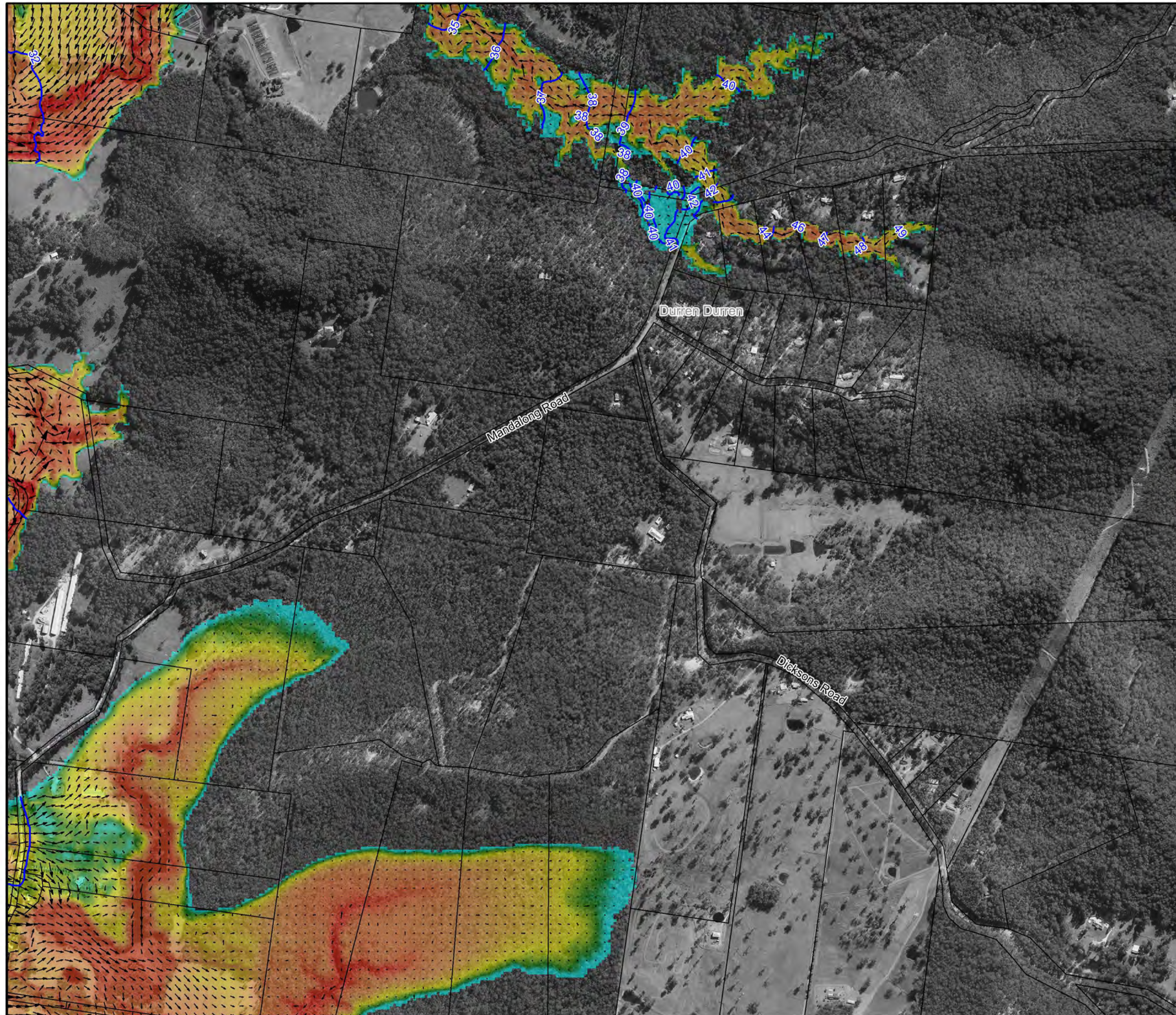
Notes:
Aerial photograph dated 2014

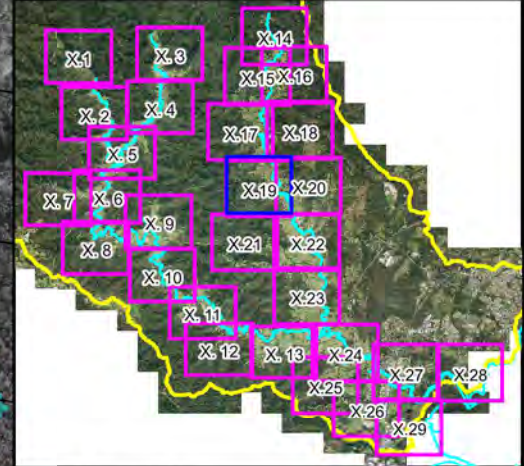


**Figure A4.18:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.18 Peak Flood
Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

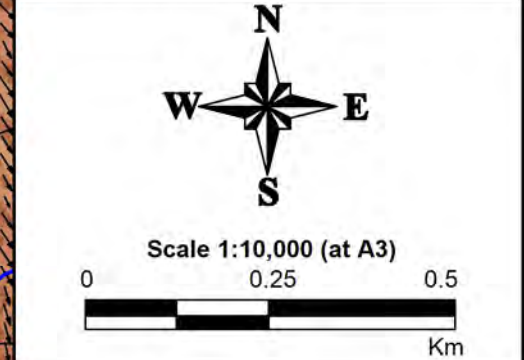
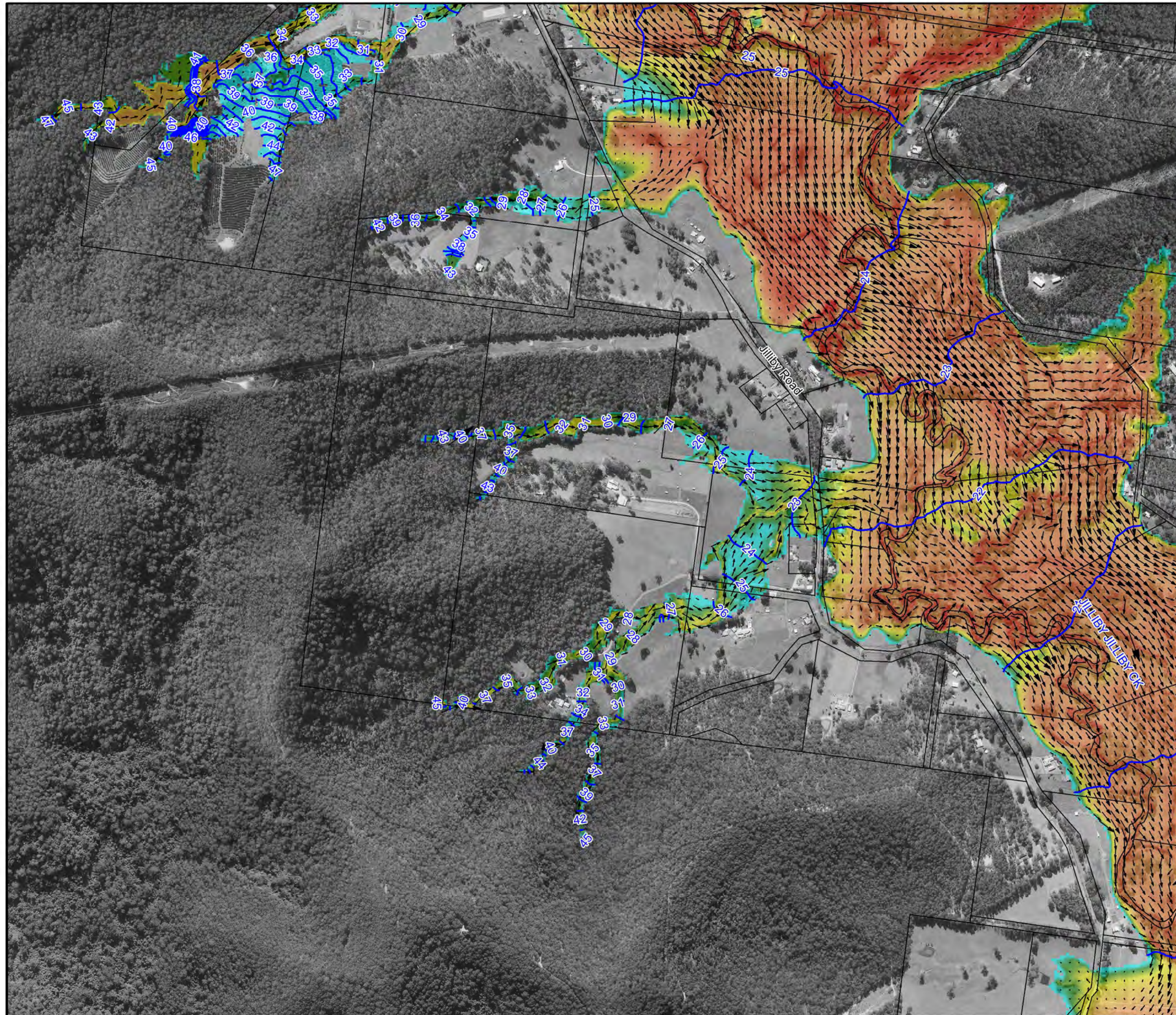
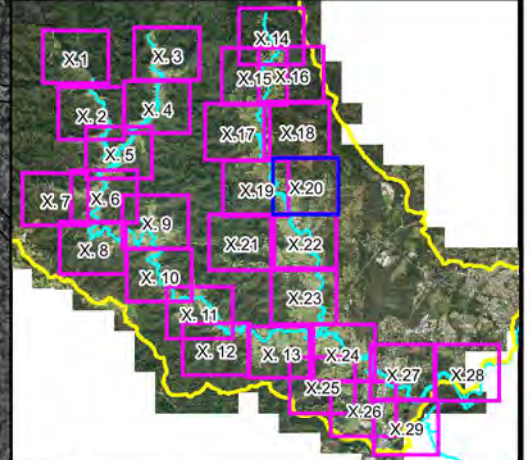


Figure A4.19:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.19 Peak Flood Depths PMF.wor





LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

Depths (m)

- ≤ 0.2
- 0.5
- 1.0
- 2.0
- 3.0

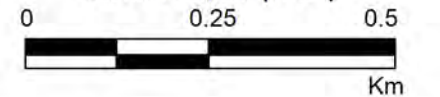
Velocity Vector (m/s)

- 1 m/s
- 2 m/s
- 4 m/s

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

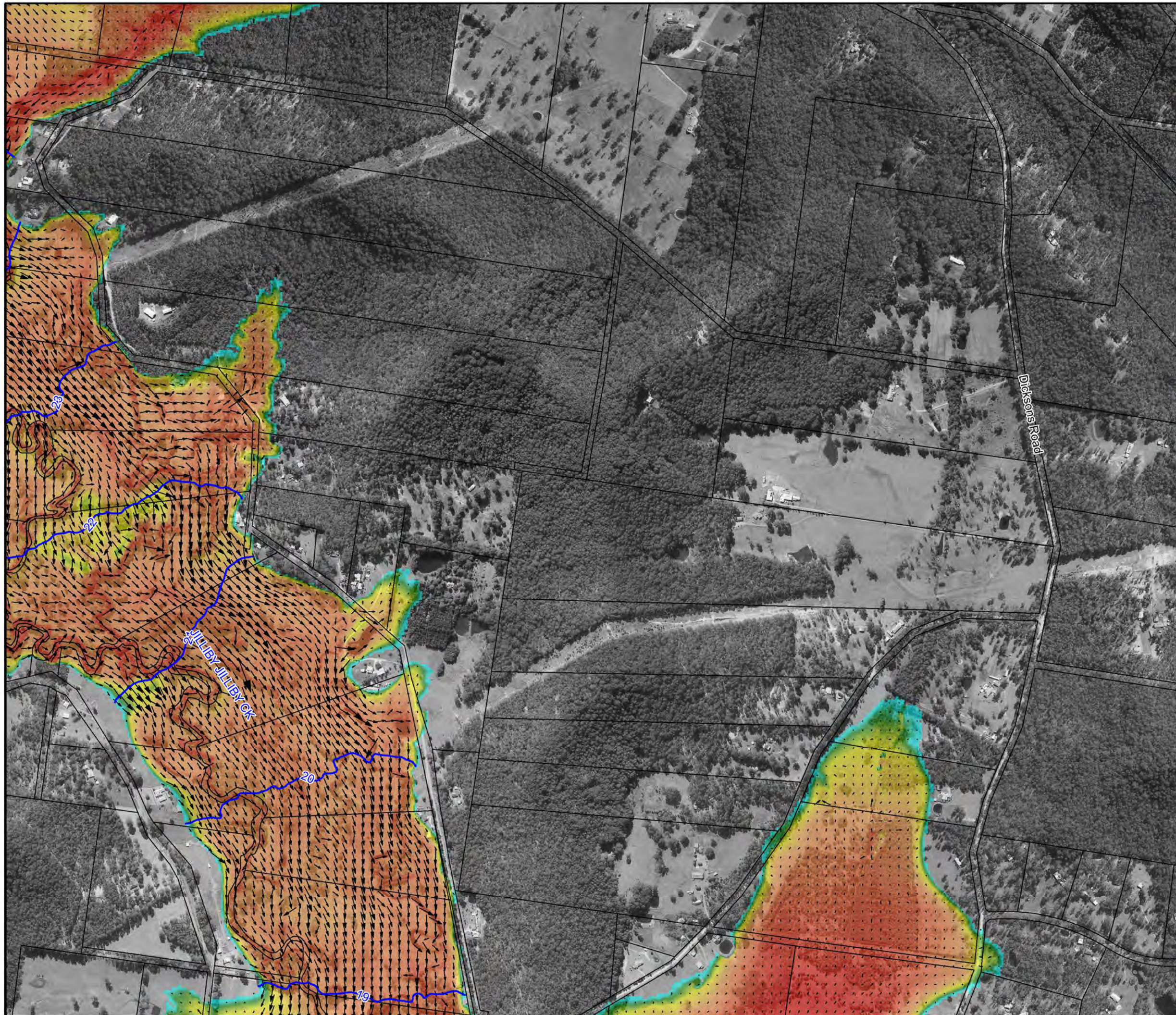


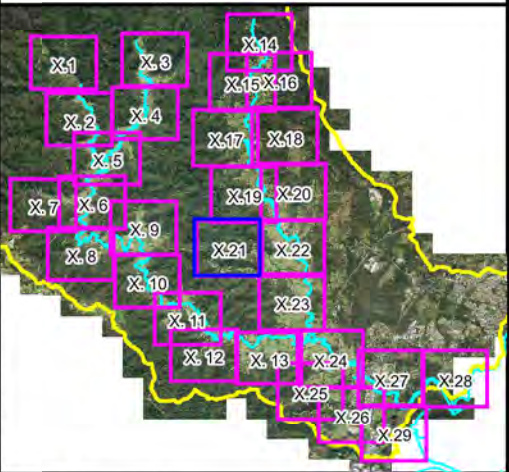
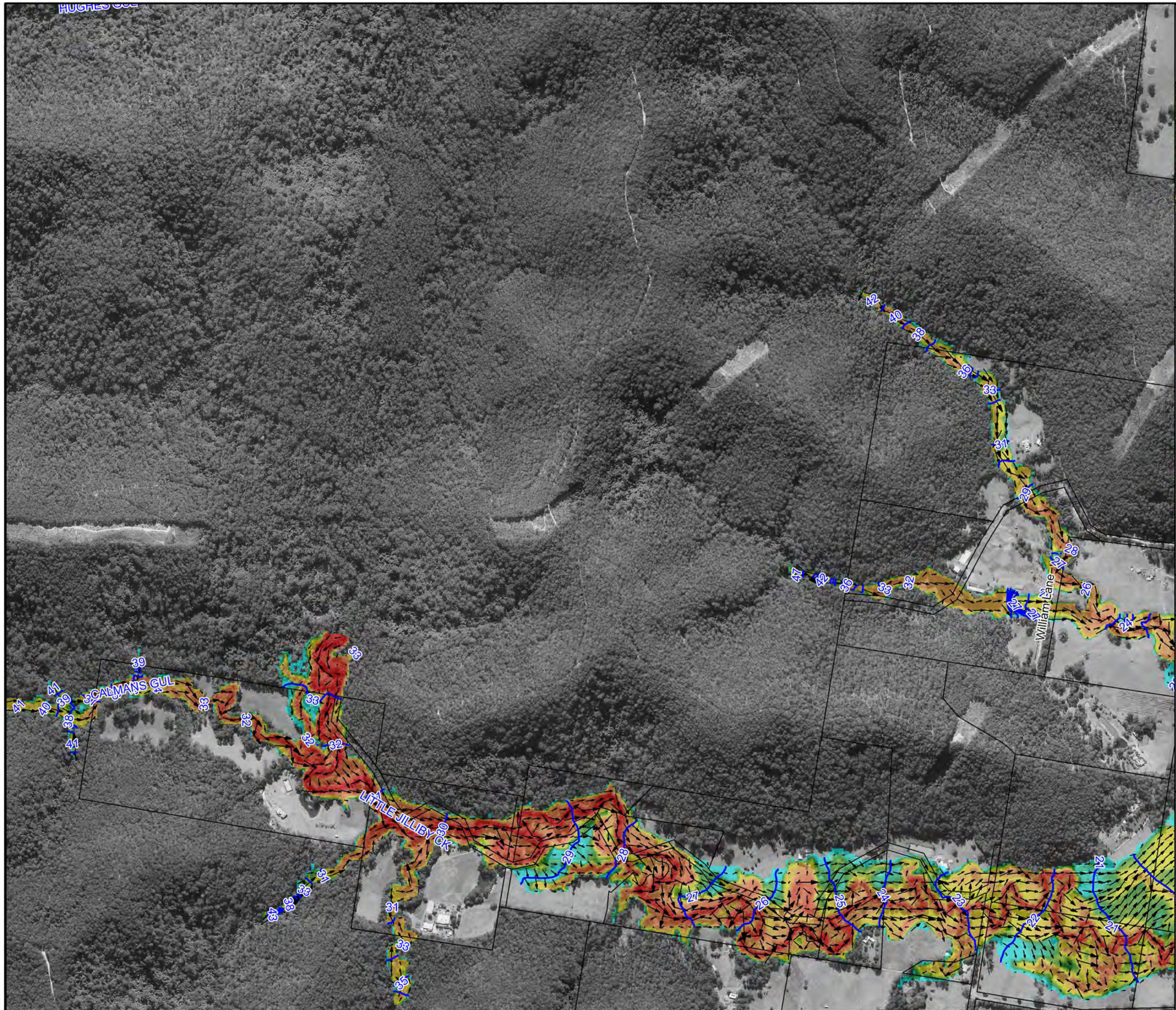
**Figure A4.20:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.20 Peak Flood
Depths PMF.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

N
W —+— E
S

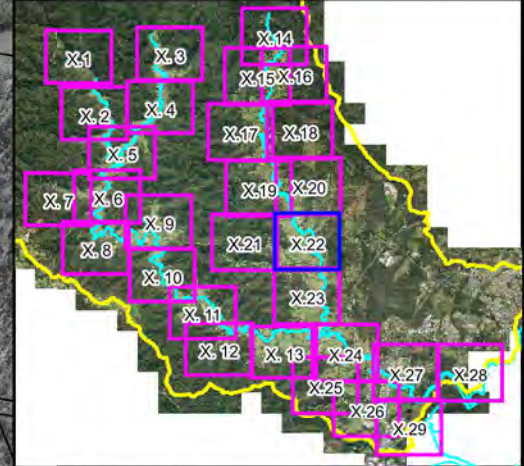
Scale 1:10,000 (at A3)

0 0.25 0.5
Km

**Figure A4.21:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.21 Peak Flood
Depths PMF.wor



LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

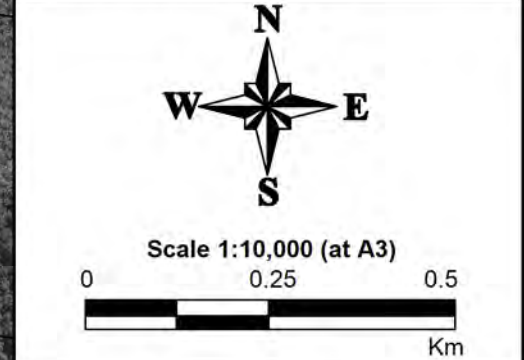
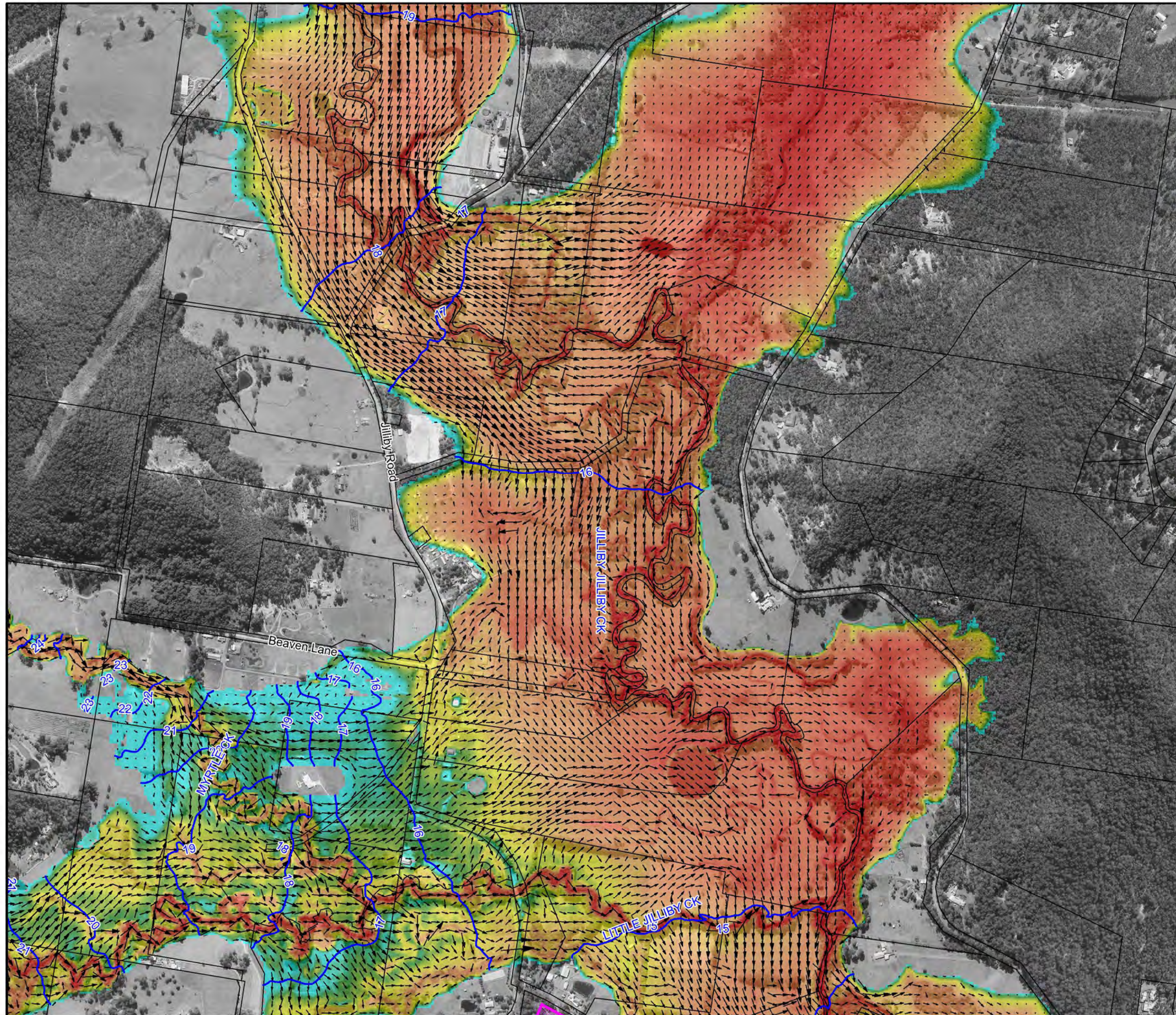
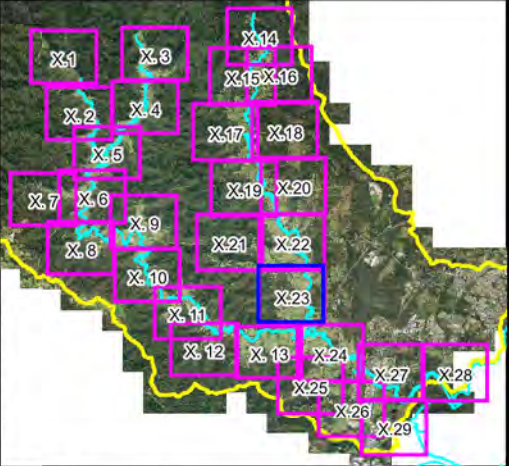
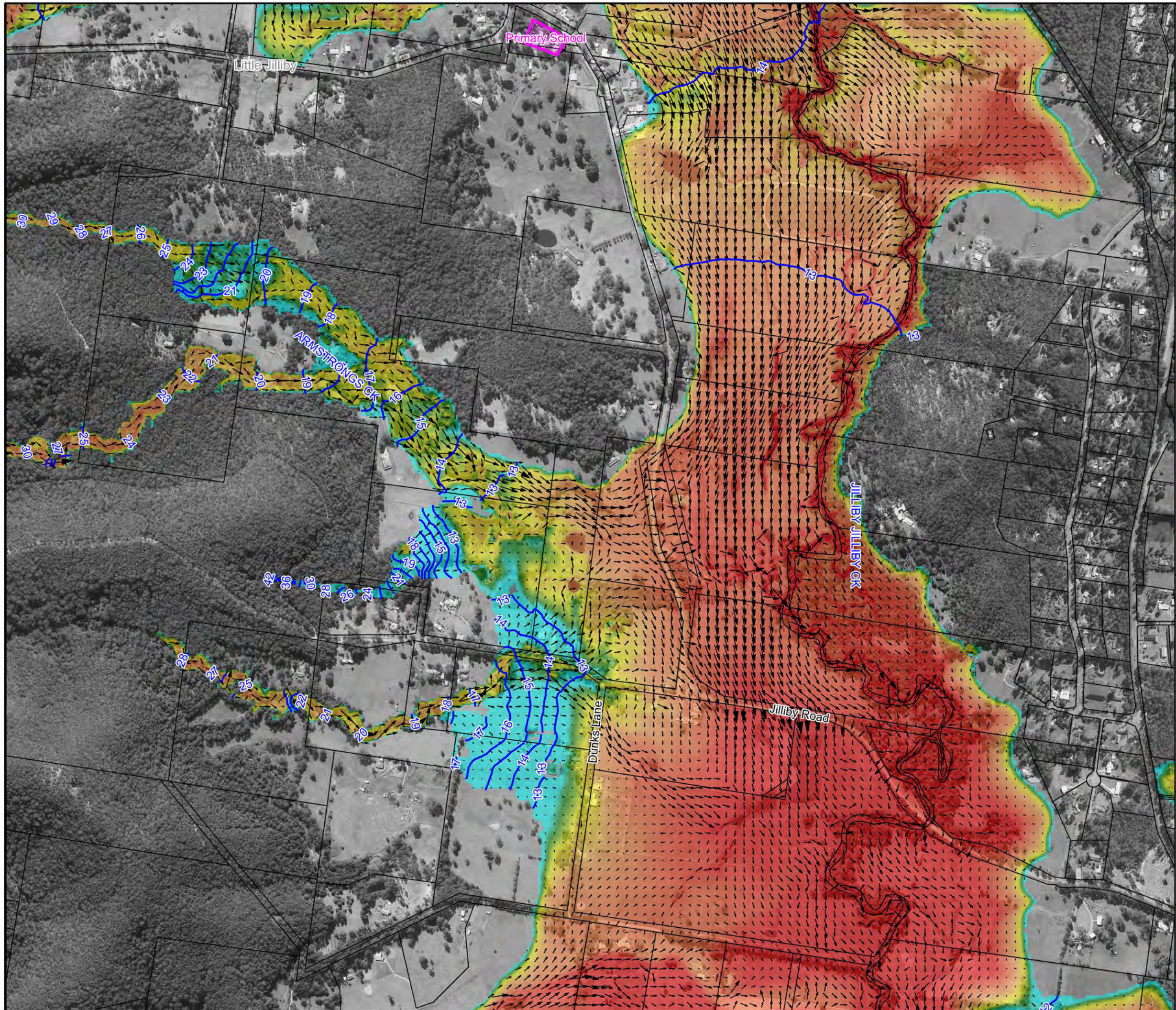


Figure A4.22:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.22 Peak Flood
Depths PMF.wor

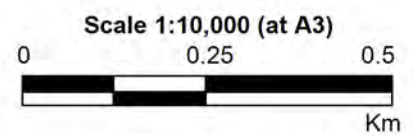




LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

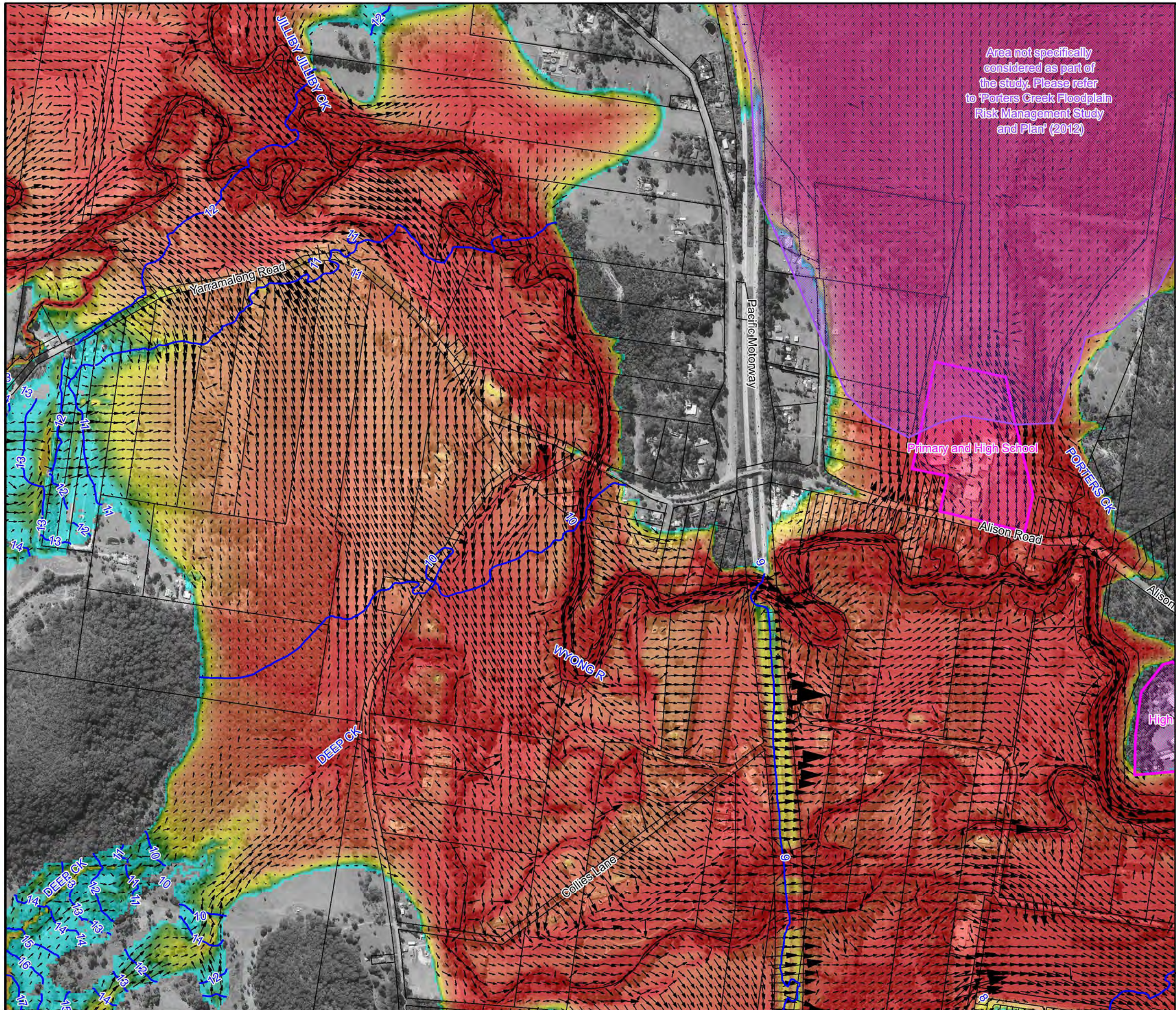
Notes:
Aerial photograph dated 2014



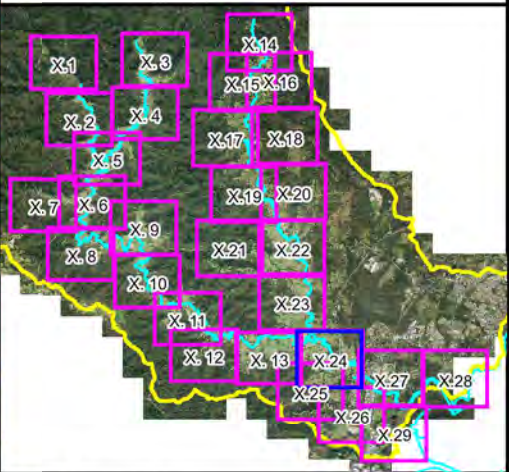
**Figure A4.23:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.23 Peak Flood
Depths PMF.wor



Area not specifically considered as part of the study. Please refer to 'Porters Creek Floodplain Risk Management Study and Plan' (2012)



LEGEND

- Peak Water Level Contour (mAHD)
 - Critical Facility
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

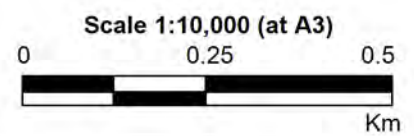
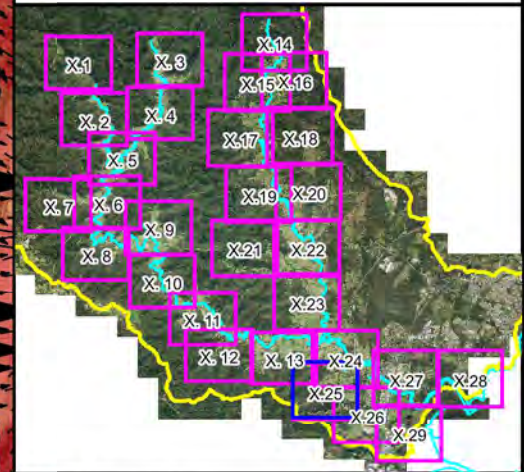


Figure A4.24:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.24 Peak Flood Depths PMF.wor



LEGEND

- 6 Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | — 1 m/s |
| 0.5 | → 2 m/s |
| 1.0 | → 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

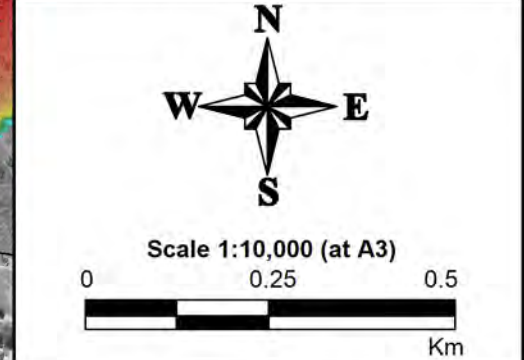

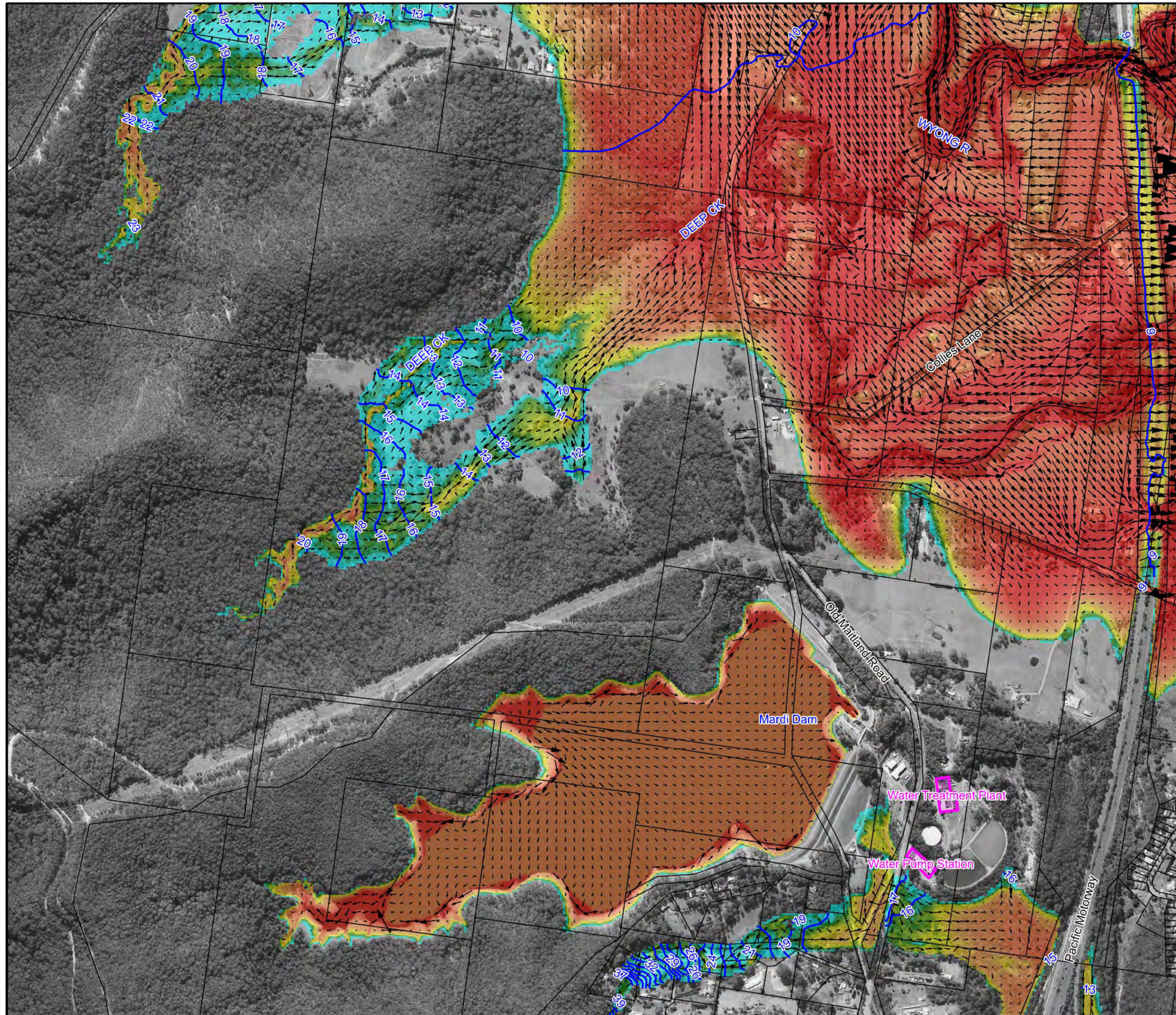
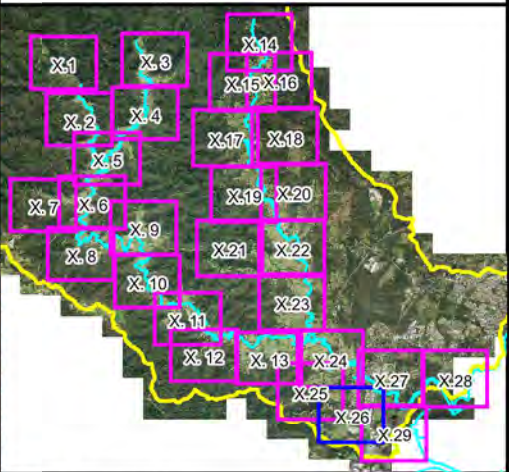
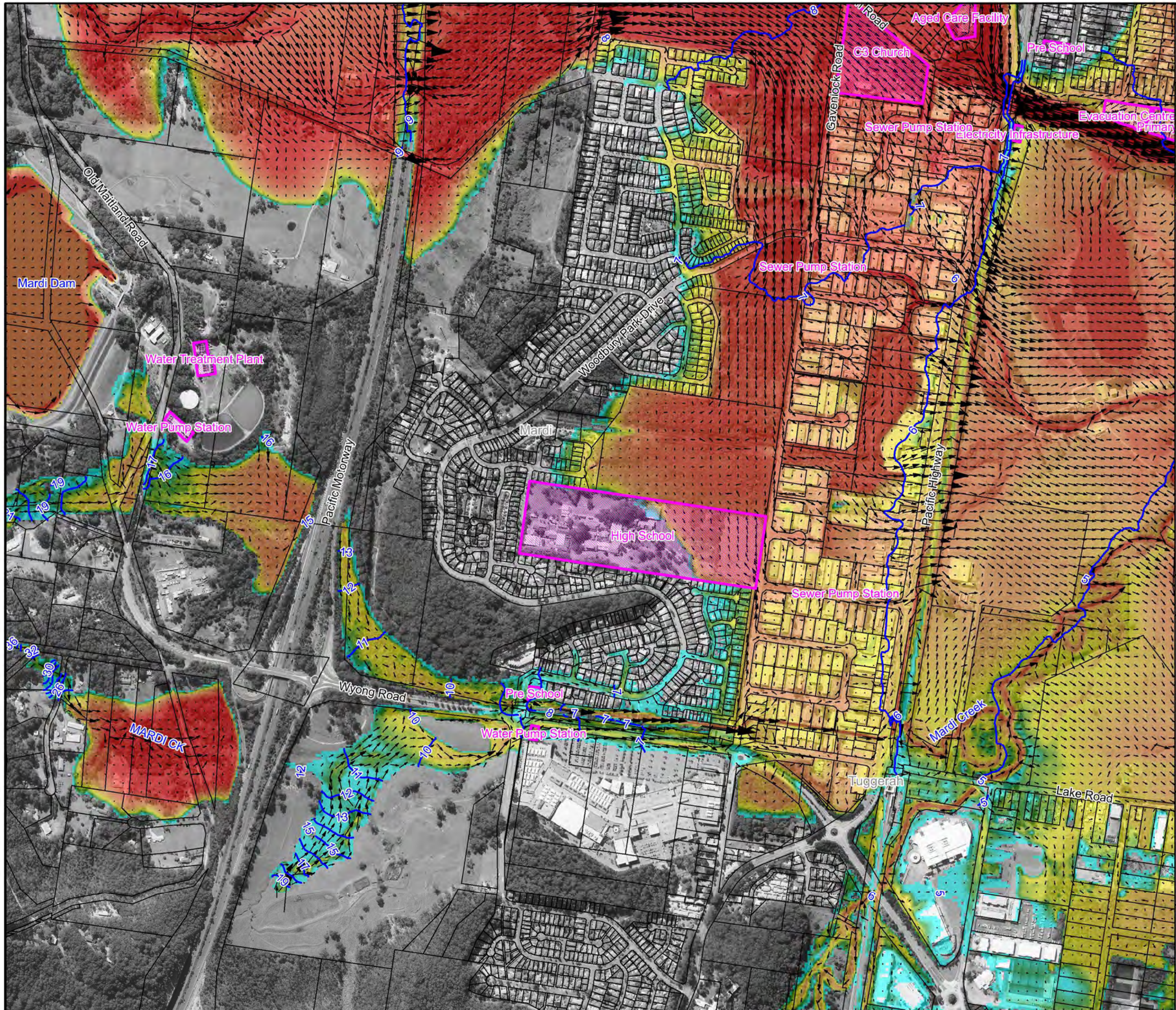


Figure A4.25:
Peak Floodwater Depths, Velocities and Levels for the PMF

Prepared By:

Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000
 File Name: Figure A4.25 Peak Flood Depths PMF.wor





LEGEND

Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

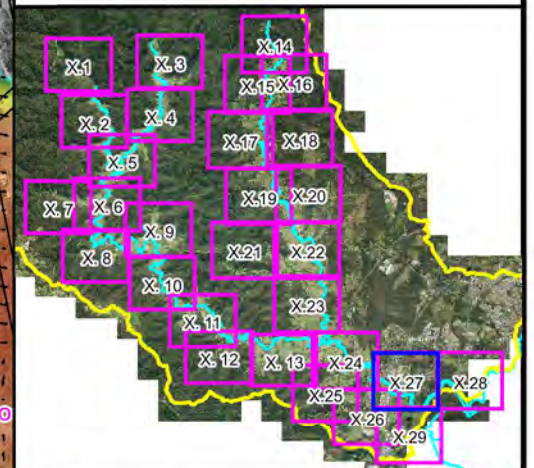
Scale 1:10,000 (at A3)

0 0.25 0.5 Km

Figure A4.26:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.26 Peak Flood
Depths PMF.wor



LEGEND

6 Peak Water Level Contour (mAHD)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

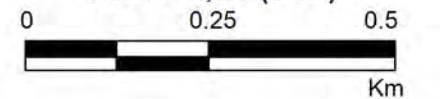
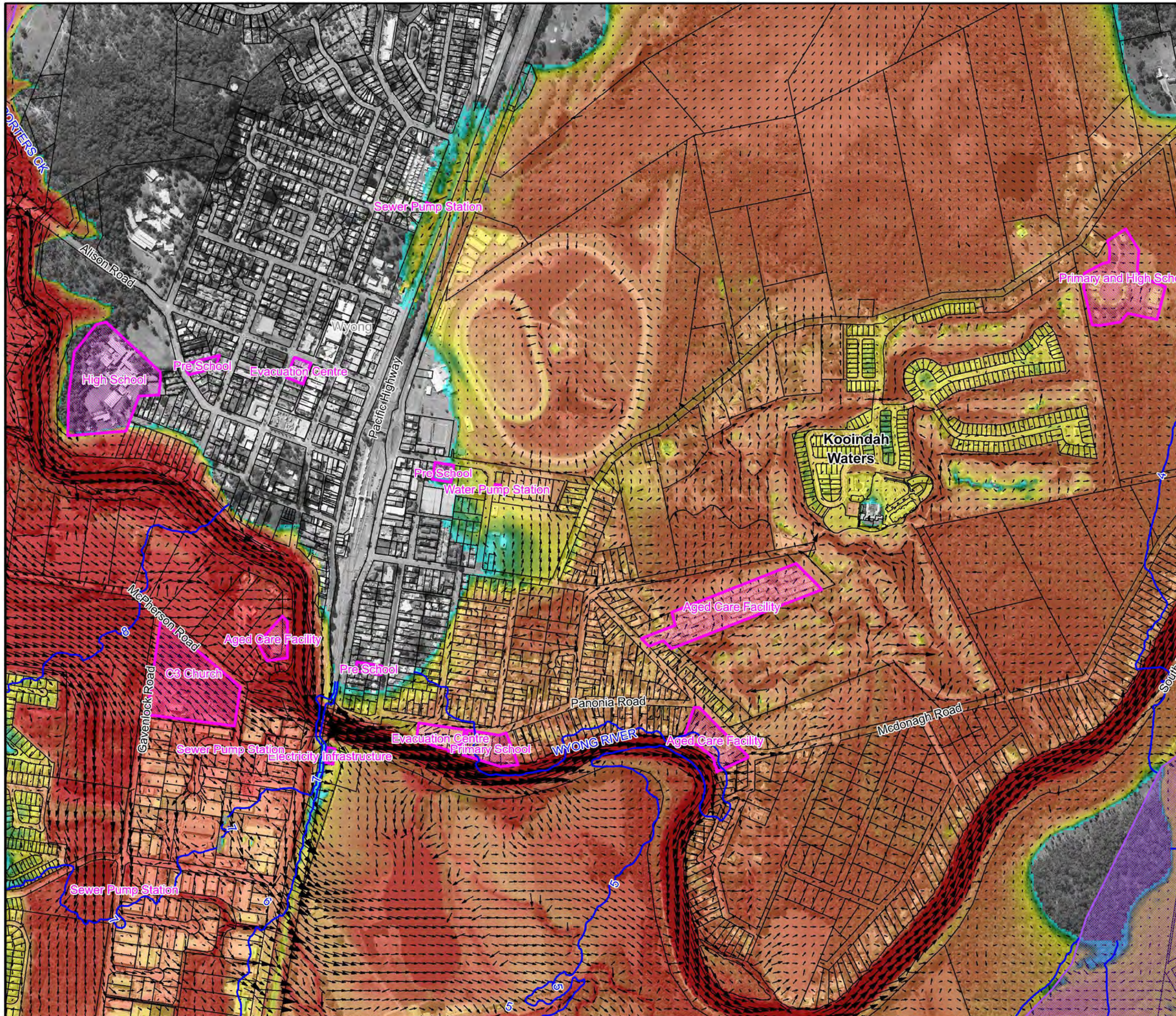
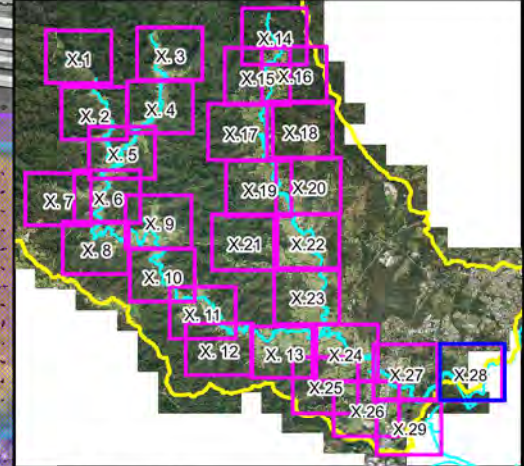
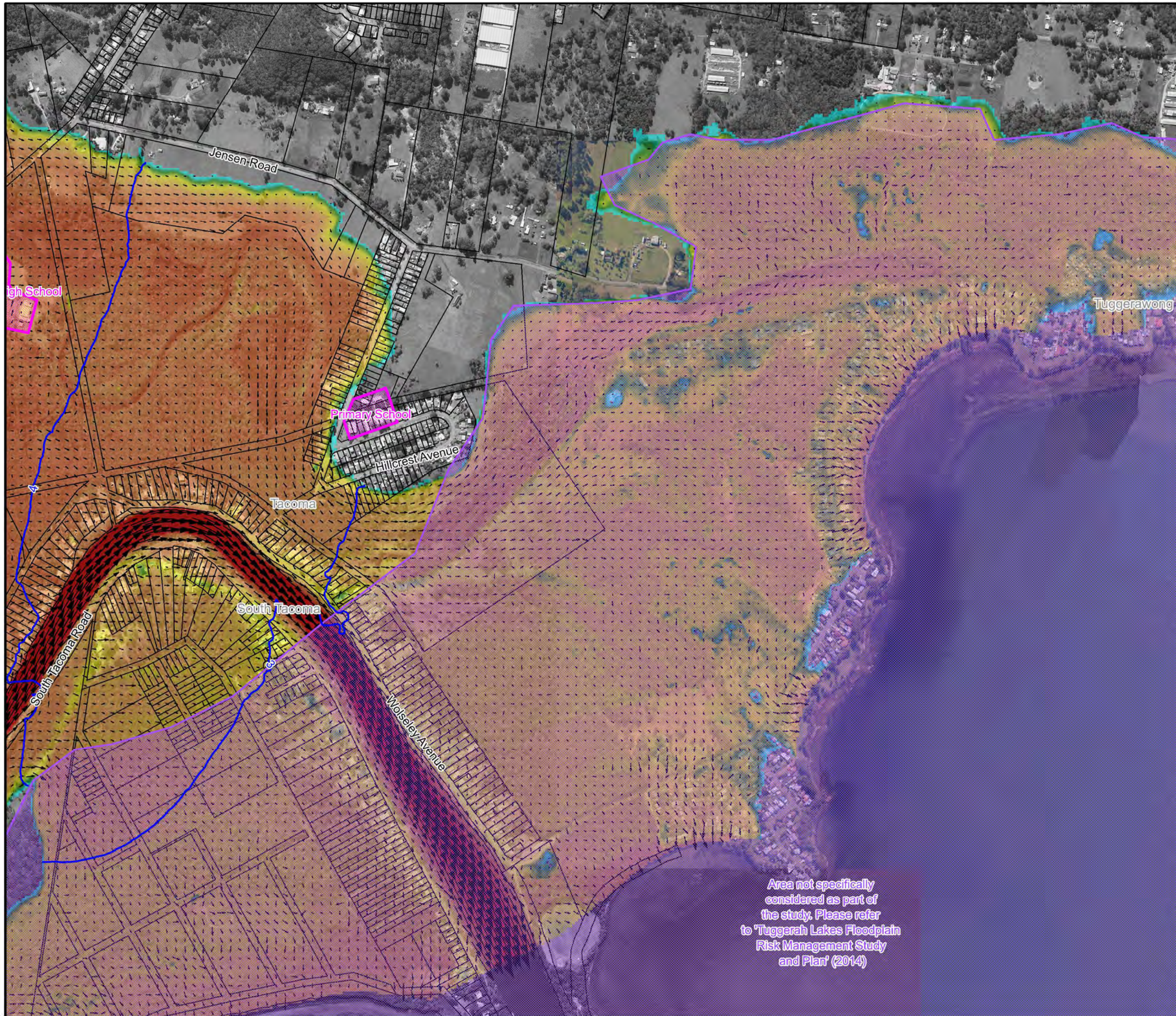


Figure A4.27:
Peak Floodwater Depths,
Velocities and Levels
for the PMF

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.27 Peak Flood
Depths PMF.wor





LEGEND

- Peak Water Level Contour (mAHD)
- Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| ≤ 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

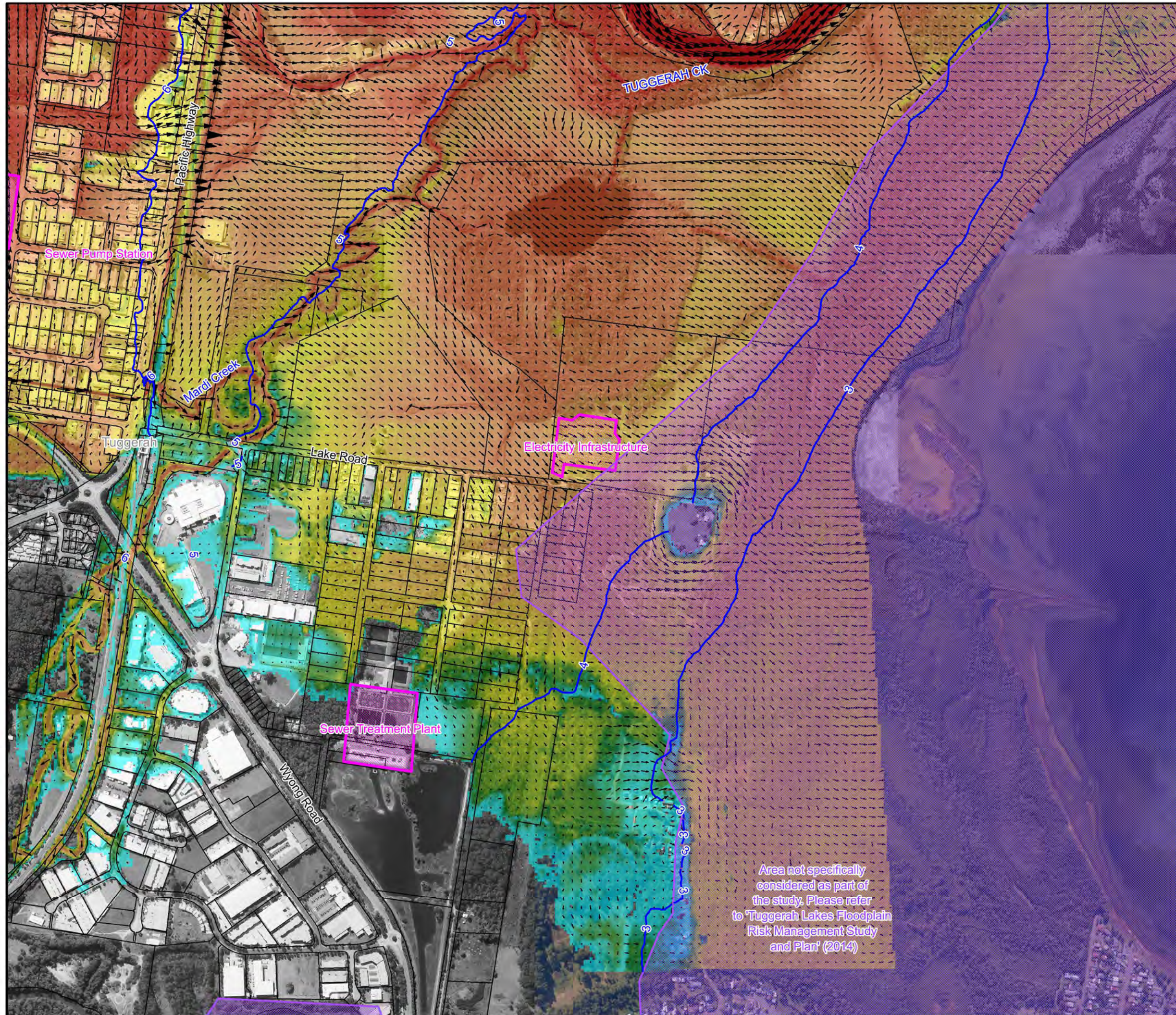
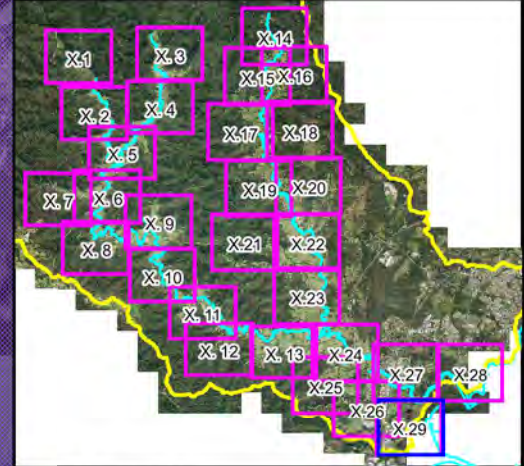
Scale 1:10,000 (at A3)

**Figure A4.28:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.28 Peak Flood Depths PMF.wor



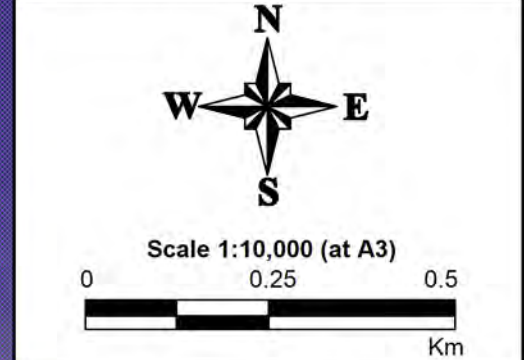
LEGEND

6 Peak Water Level Contour (mAHd)

Critical Facility

| Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2 | 1 m/s |
| 0.5 | 2 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:
Aerial photograph dated 2014

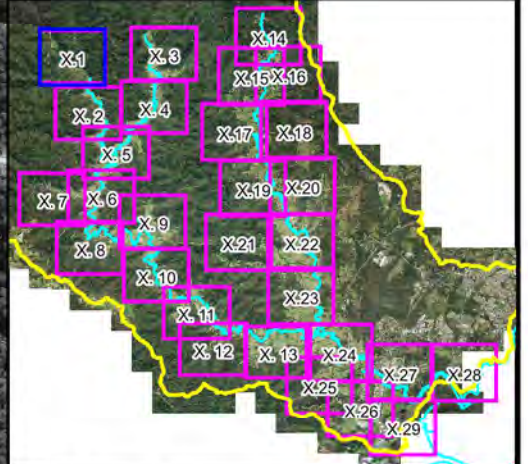
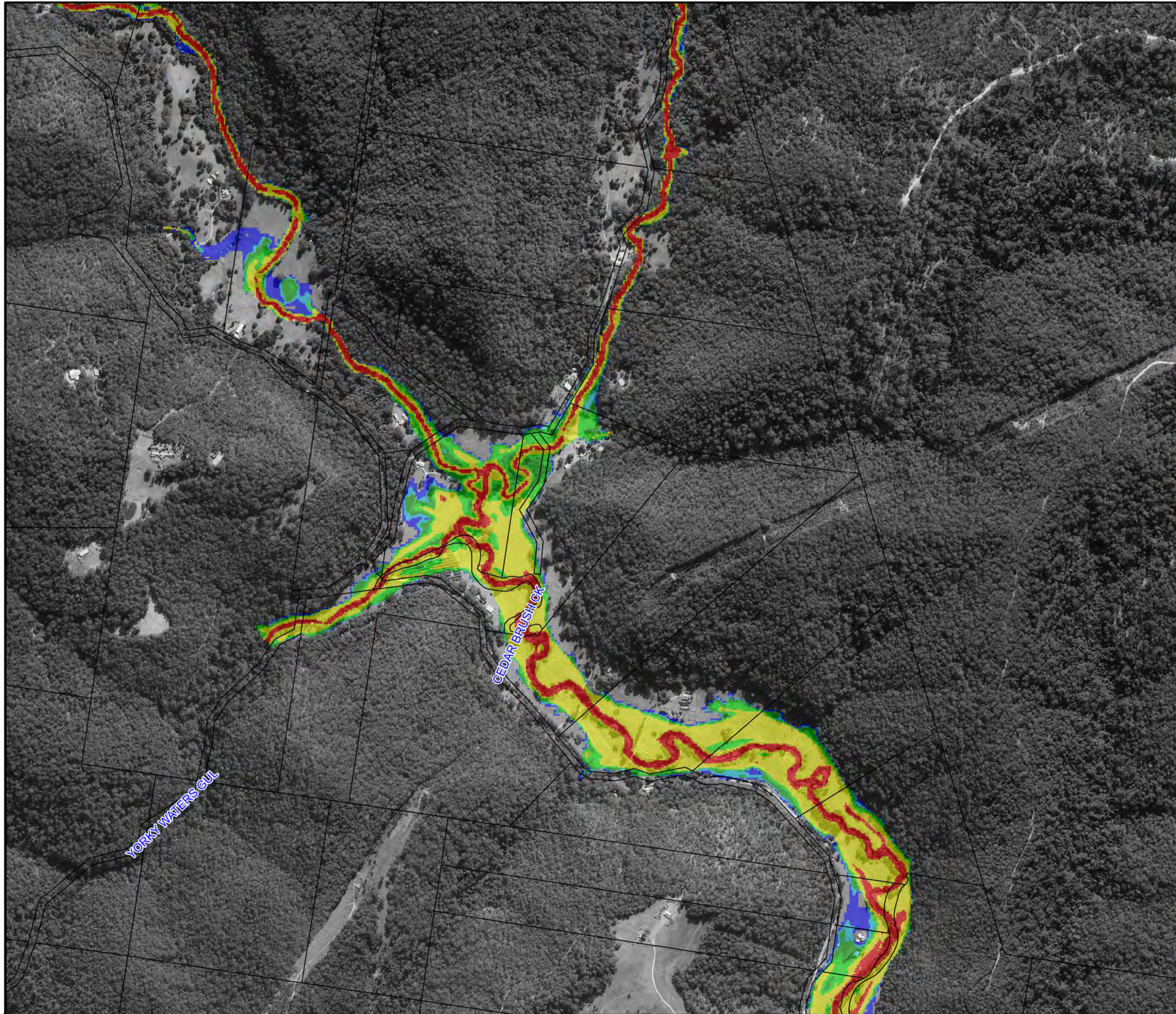


**Figure A4.29:
Peak Floodwater Depths,
Velocities and Levels
for the PMF**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A4.29 Peak Flood
Depths PMF.wor

Area not specifically considered as part of the study. Please refer to 'Tuggerah Lakes Floodplain Risk Management Study and Plan' (2014)



LEGEND

Critical Facility

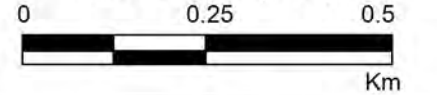
Hazards

- H1
- H2
- H3
- H4
- H5
- H6

Notes:
Aerial photograph dated 2014



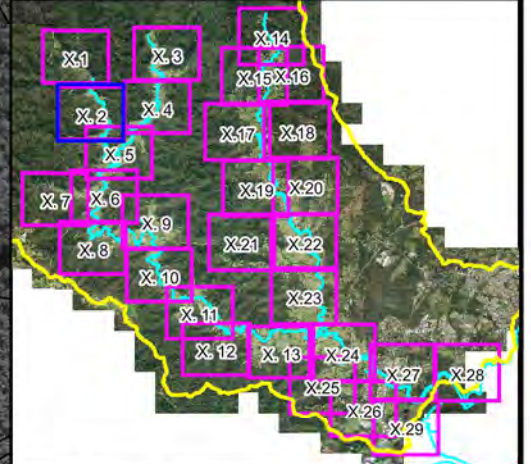
Scale 1:10,000 (at A3)



**Figure A5.1:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000


File Name: Figure A5.1 Provisional
Hazard 1% AEP Flood.wor



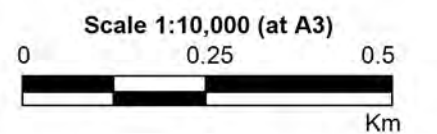
LEGEND

 Critical Facility


Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

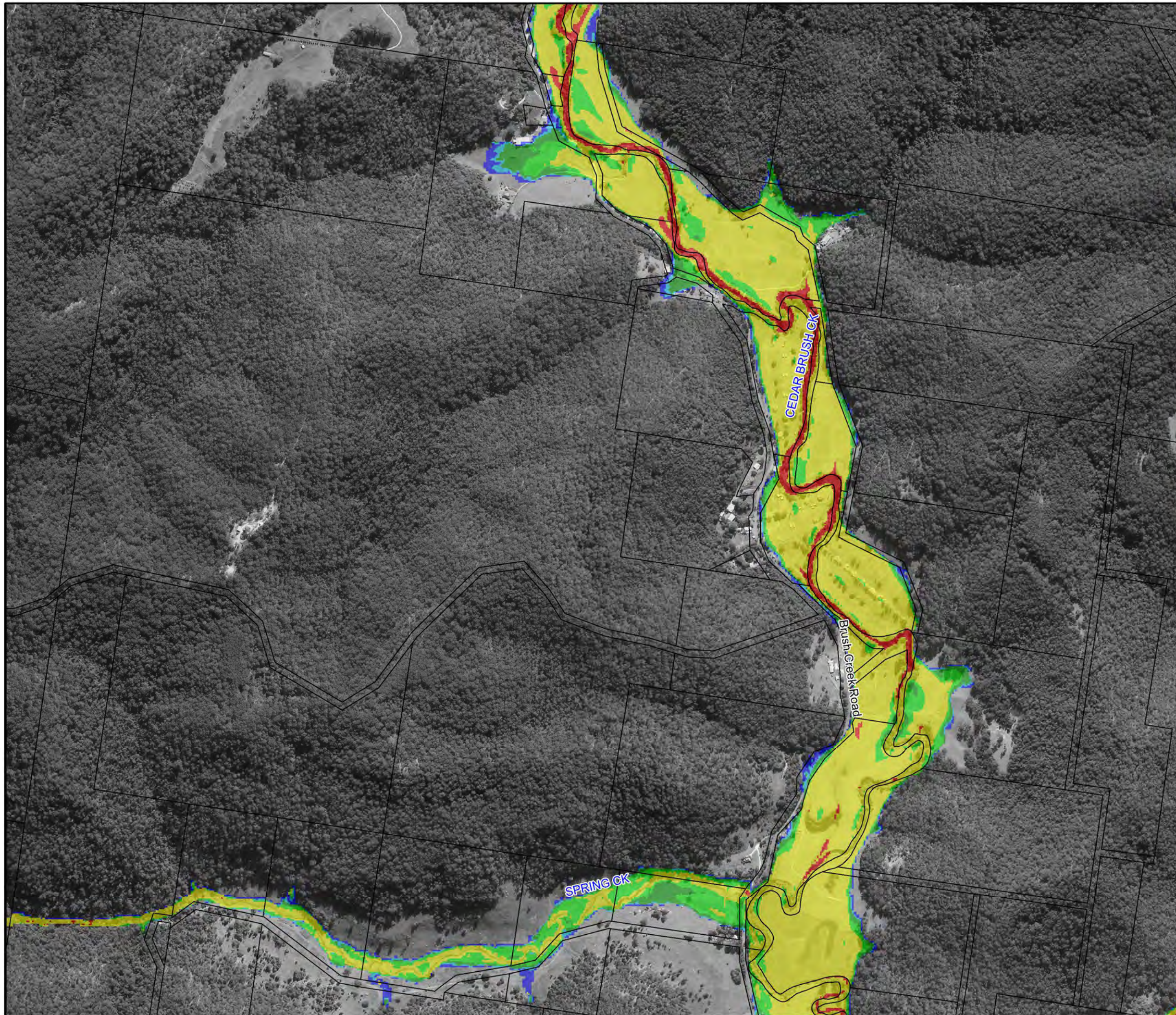
Notes:
Aerial photograph dated 2014

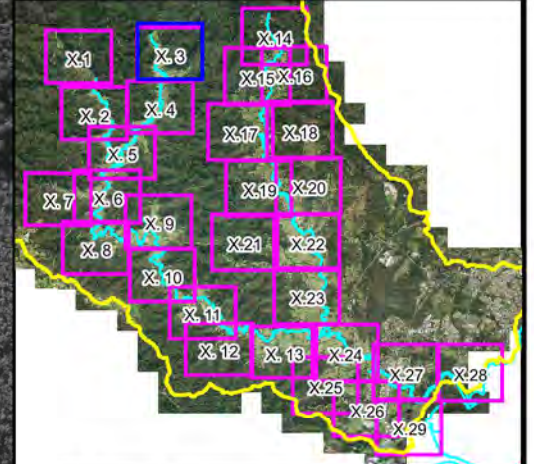


**Figure A5.2:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.2 Provisional
Hazard 1% AEP Flood.wor








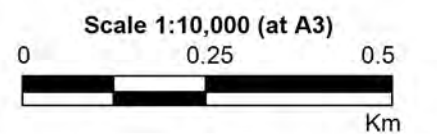
LEGEND

 Critical Facility


Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

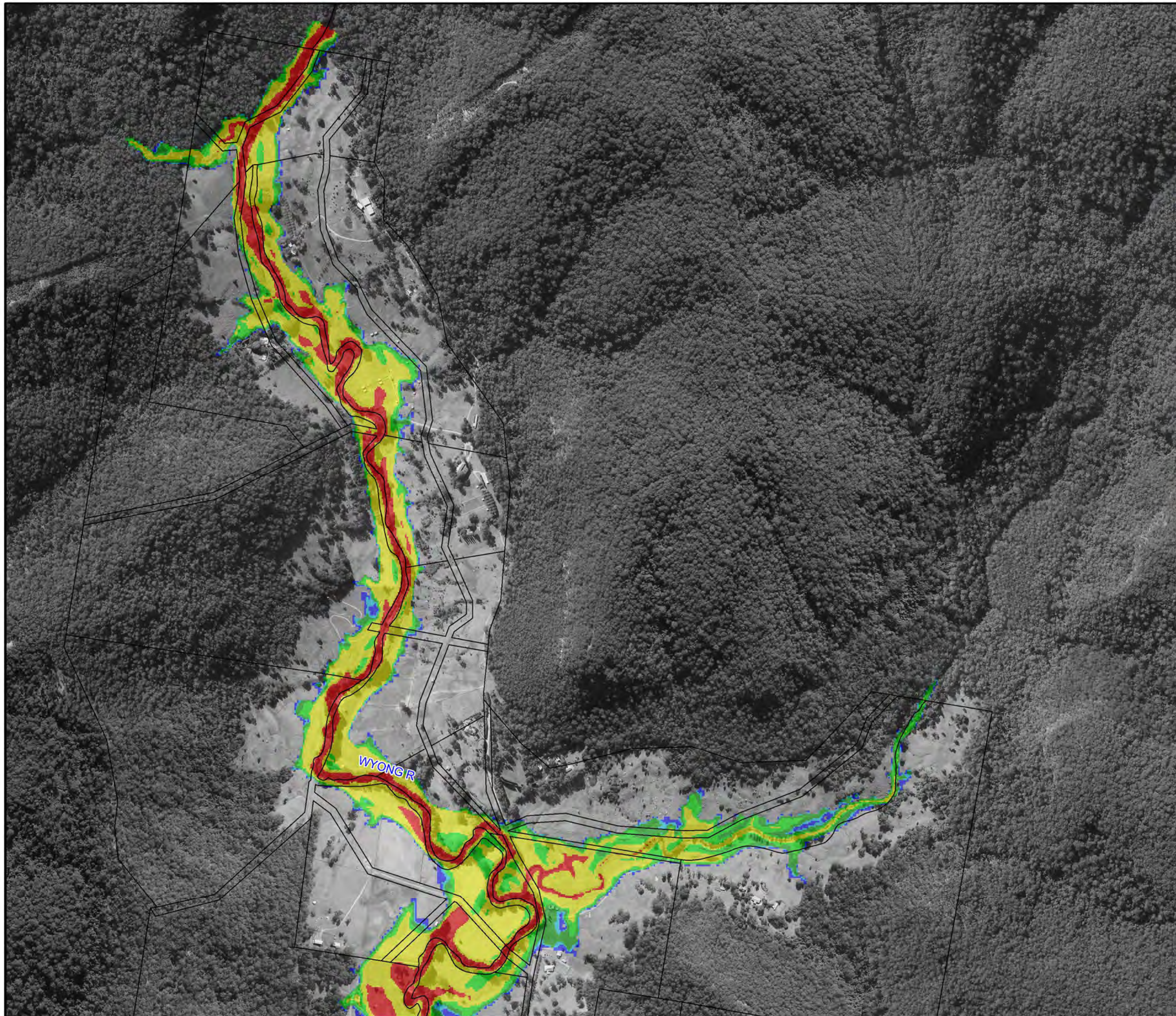
Notes:
Aerial photograph dated 2014

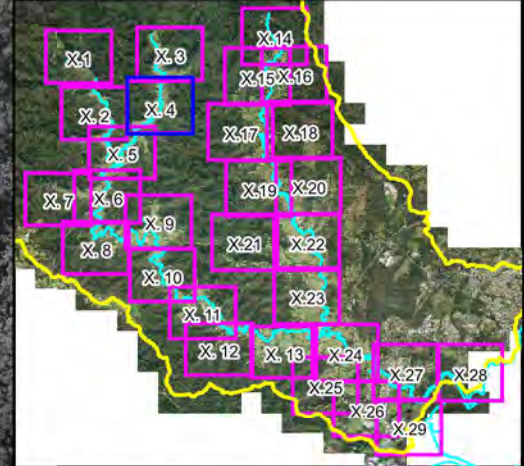


**Figure A5.3:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.3 Provisional
Hazard 1% AEP Flood.wor





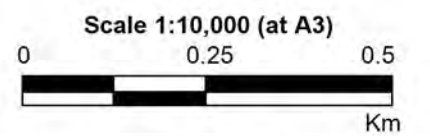
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

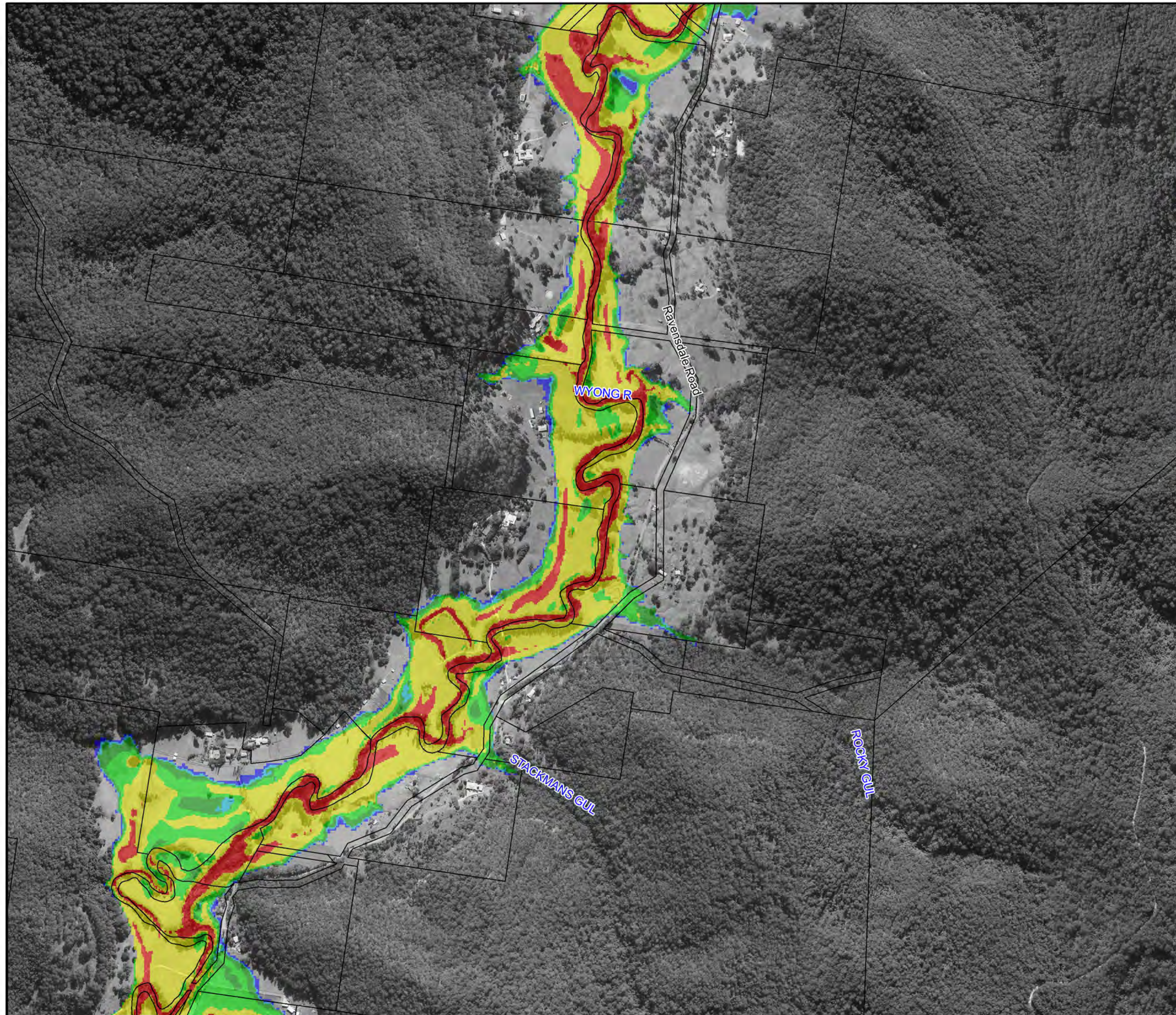
Notes:
Aerial photograph dated 2014

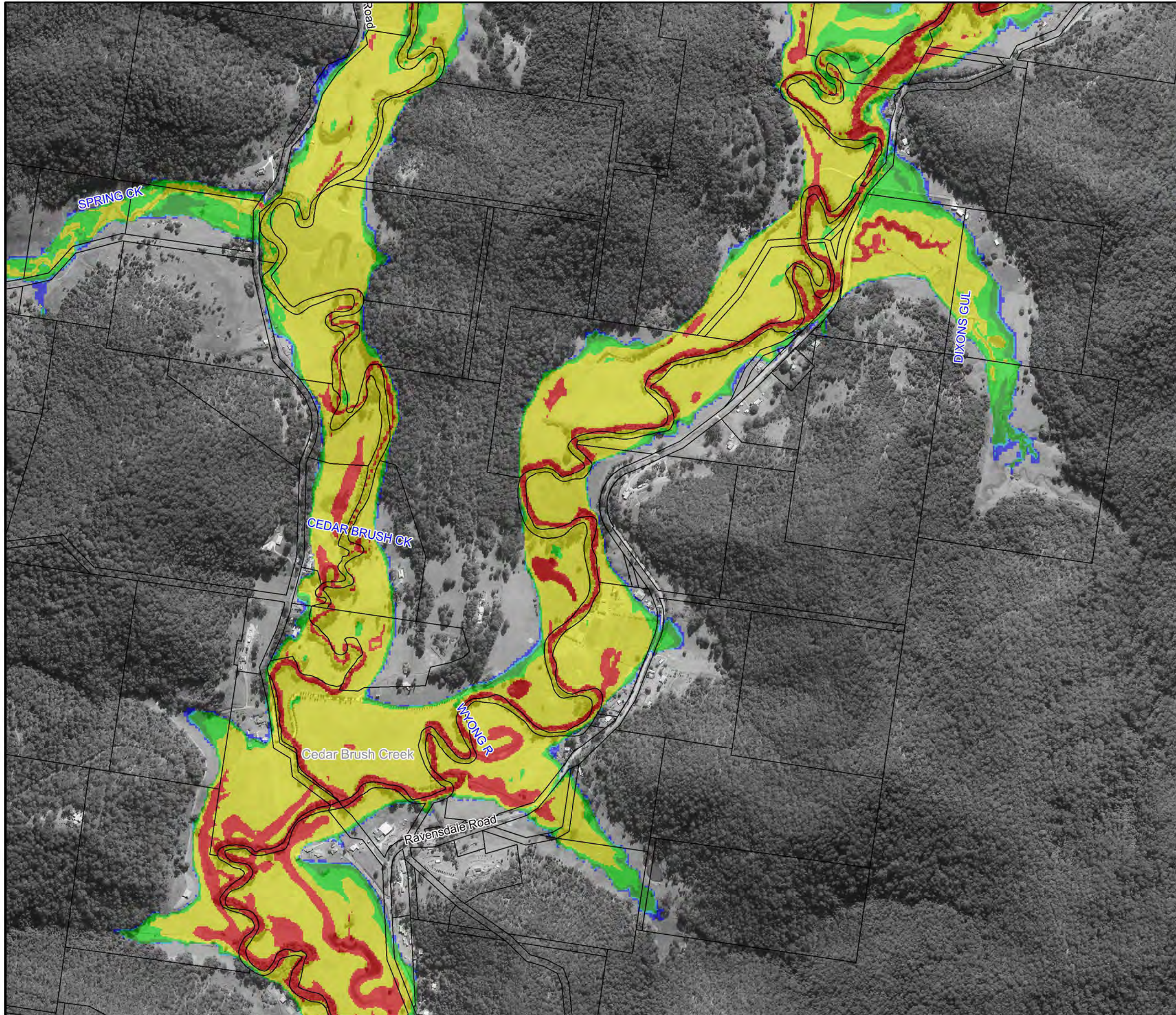
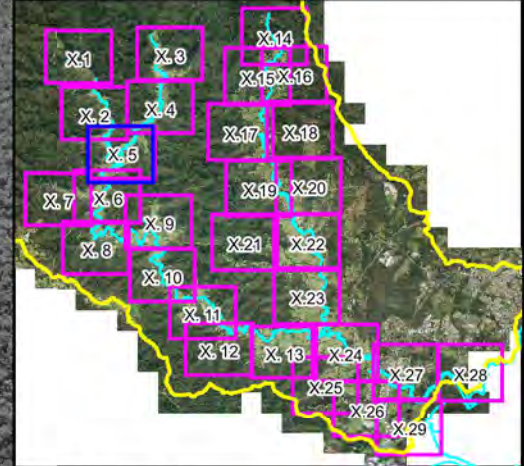


**Figure A5.4:
Provisional Flood
Hazard for the
1% AEP Flood**








Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.4 Provisional Hazard 1% AEP Flood.wor

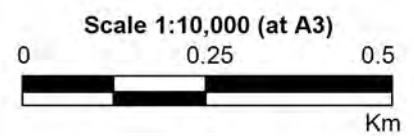





LEGEND

-  Critical Facility
- Hazards**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

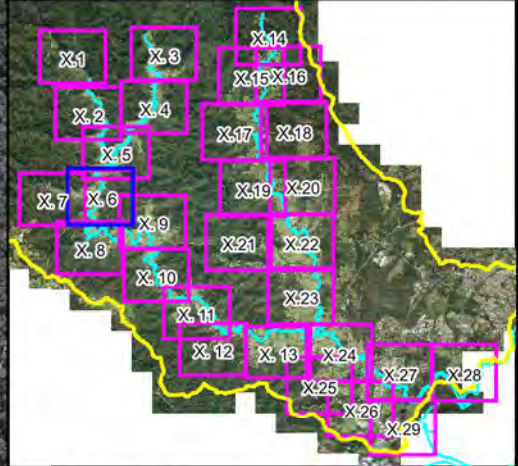
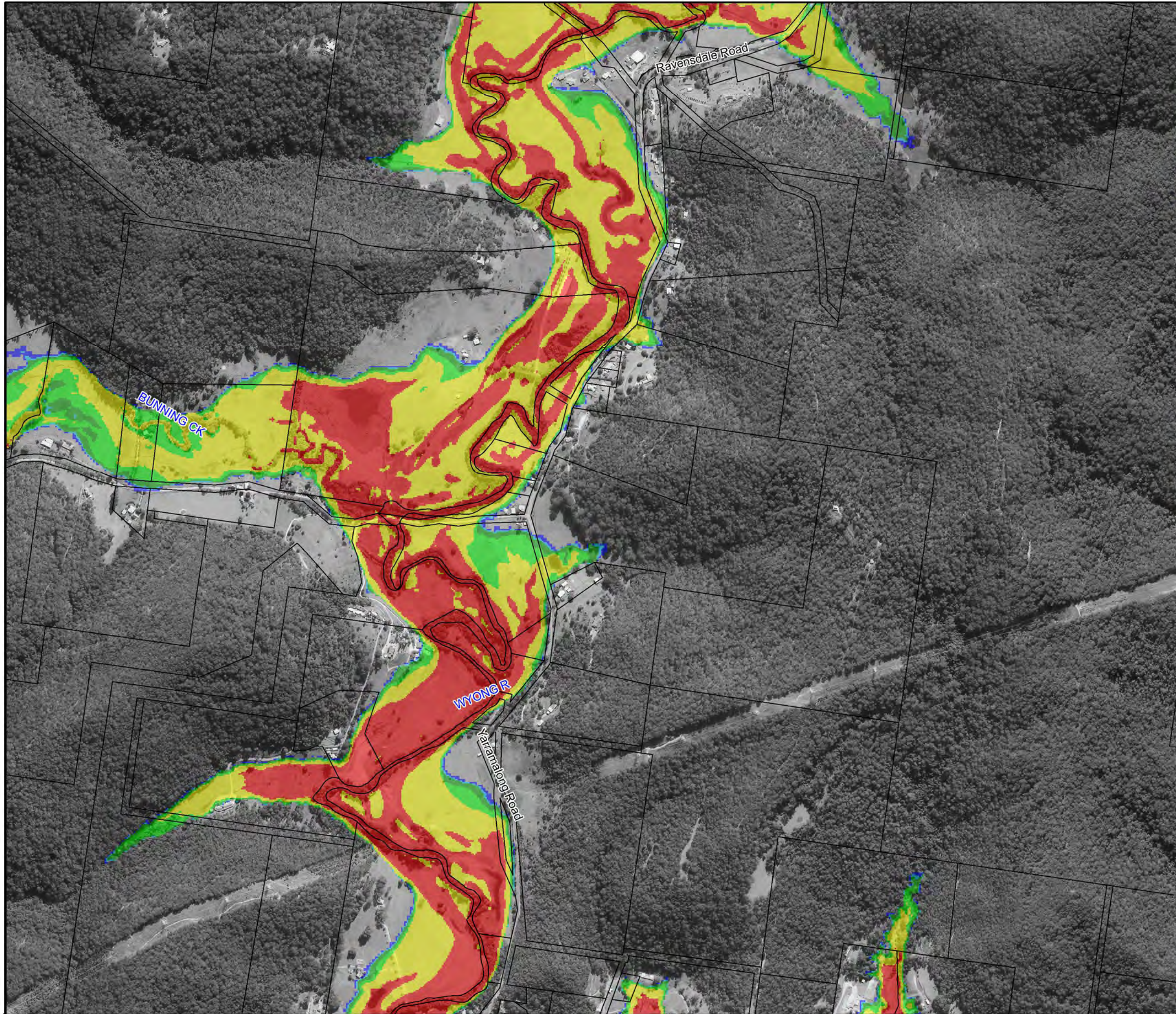
Notes:
Aerial photograph dated 2014



**Figure A5.5:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.5 Provisional
Hazard 1% AEP Flood.wor



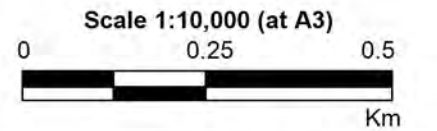
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

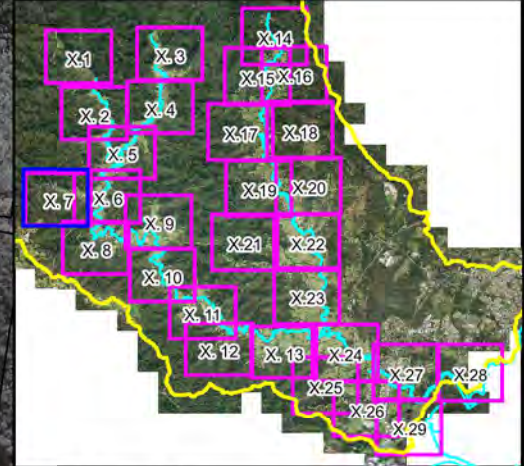
Notes:
Aerial photograph dated 2014



**Figure A5.6:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.6 Provisional
Hazard 1% AEP Flood.wor



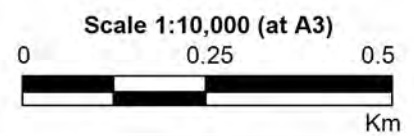
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

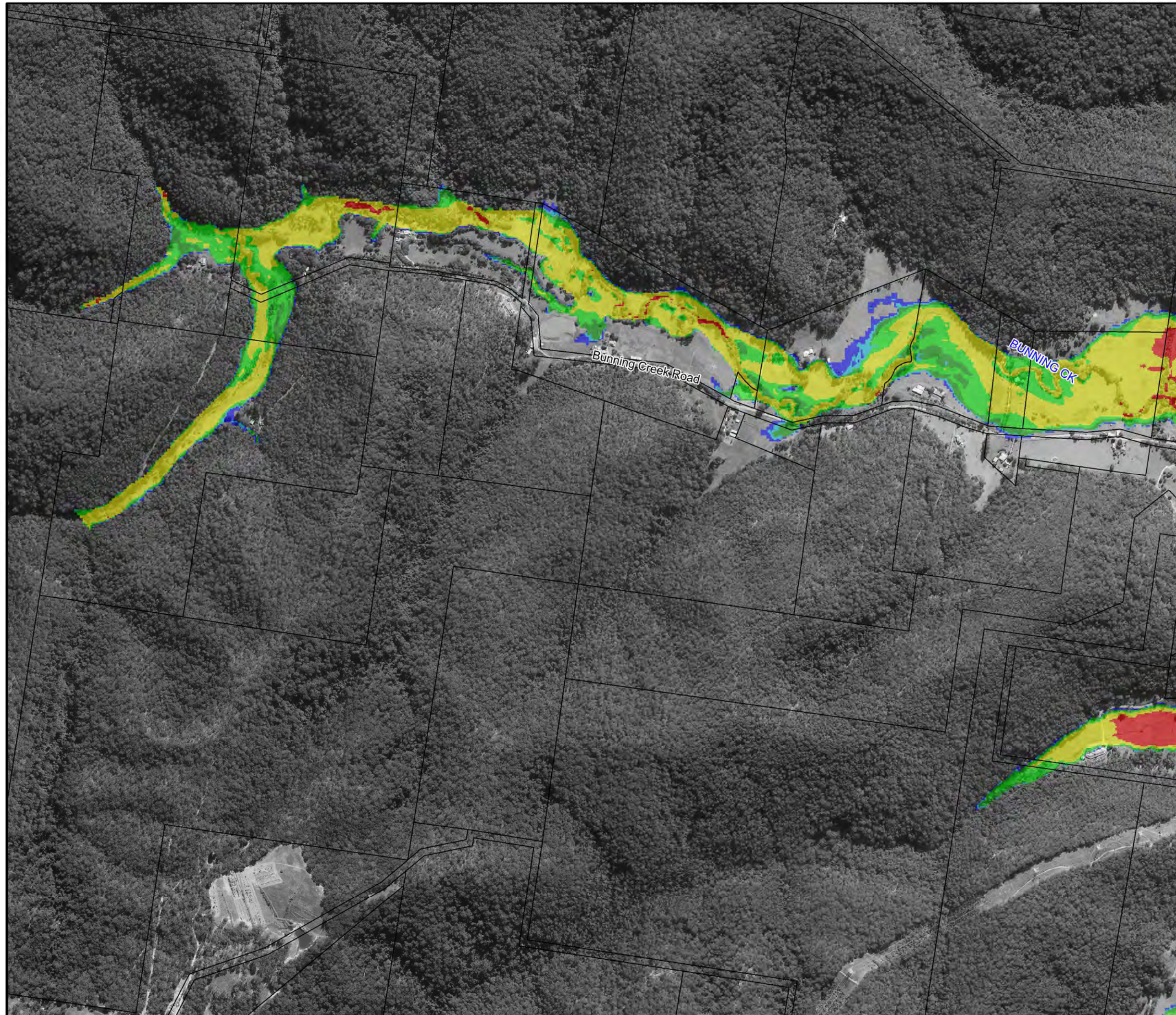
Notes:
Aerial photograph dated 2014

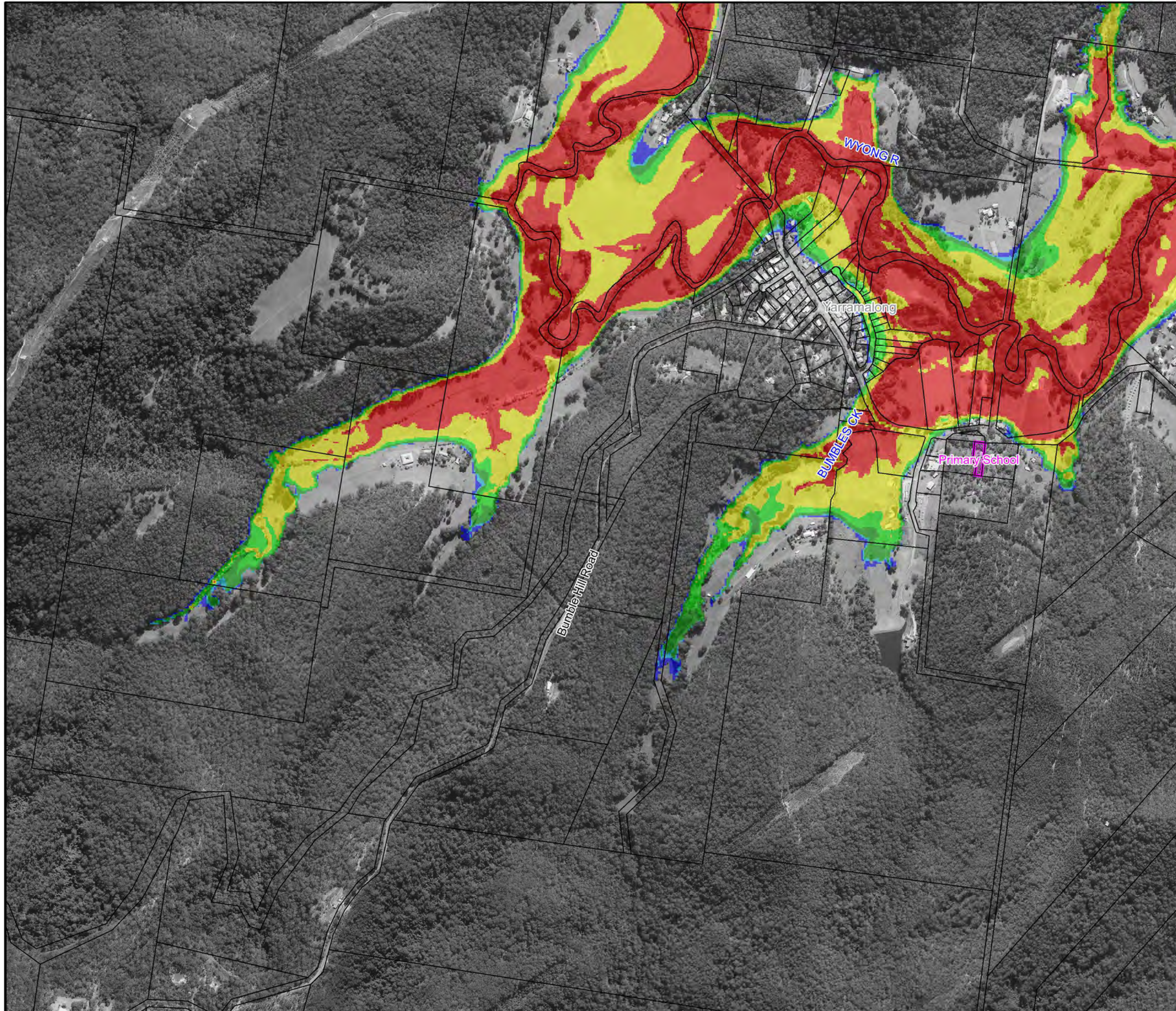
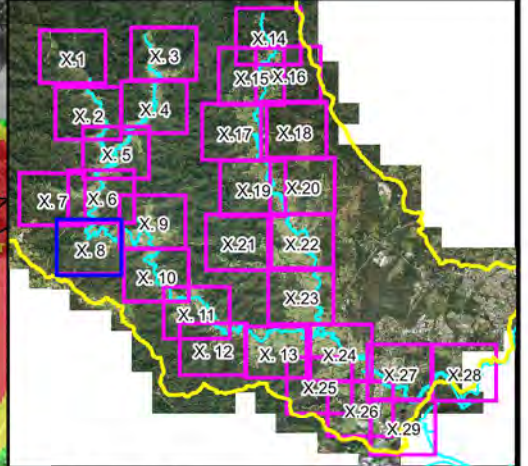


**Figure A5.7:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.7 Provisional Hazard 1% AEP Flood.wor

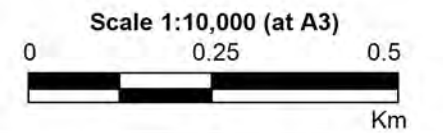





LEGEND

-  Critical Facility
- Hazards**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

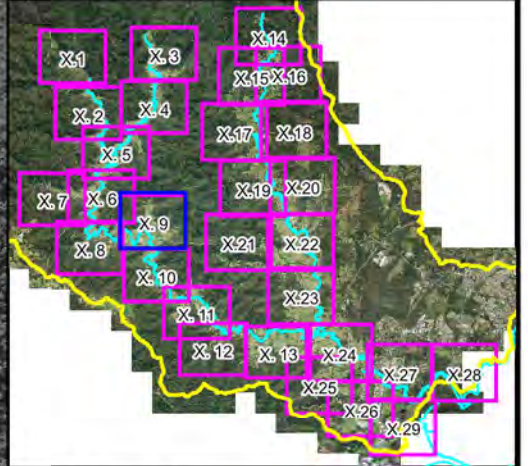
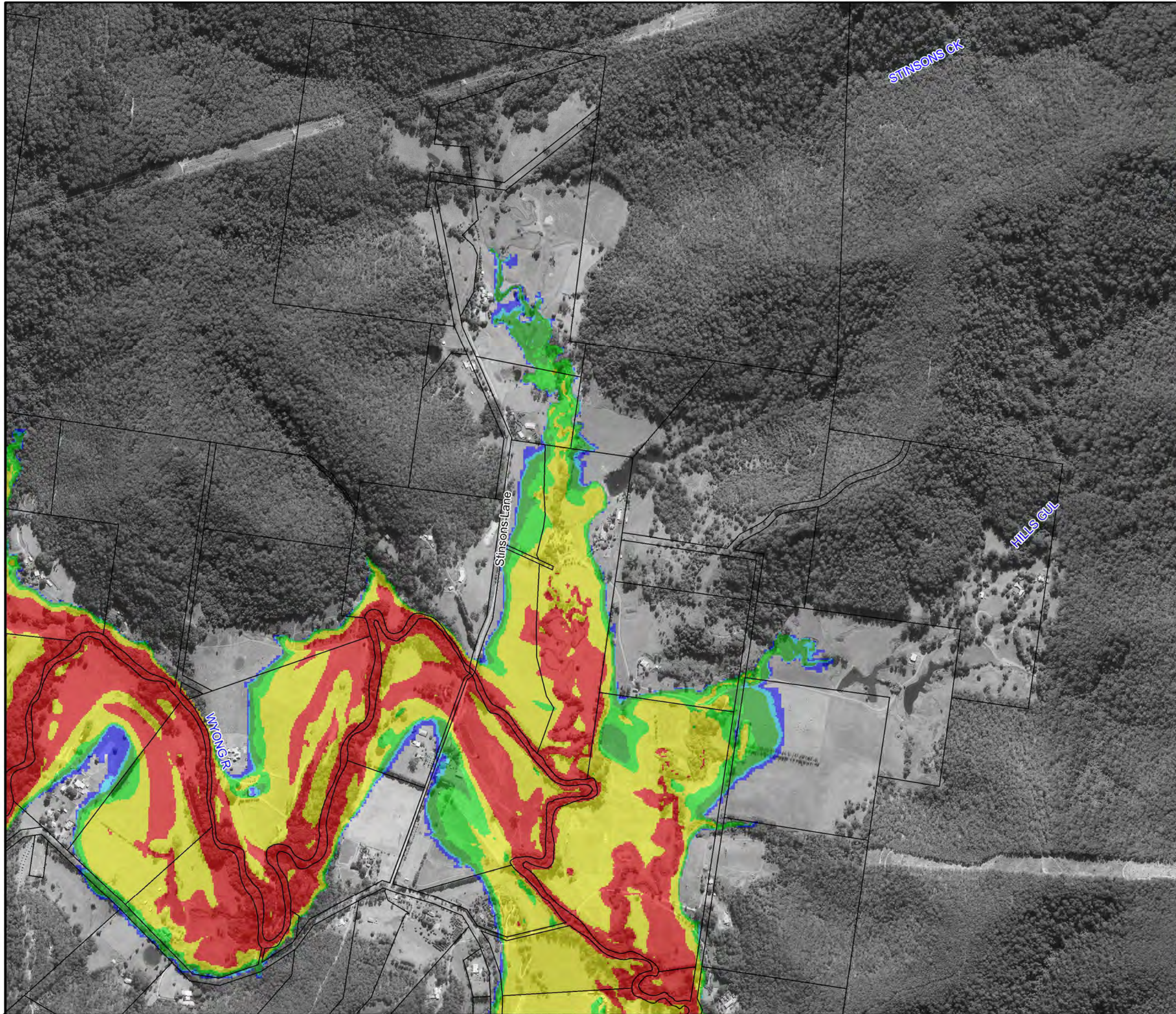
Notes:
Aerial photograph dated 2014



**Figure A5.8:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000







File Name: Figure A5.8 Provisional
Hazard 1% AEP Flood.wor



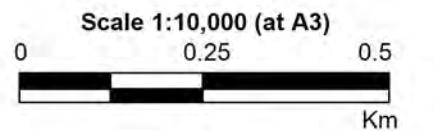
LEGEND

 Critical Facility

Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

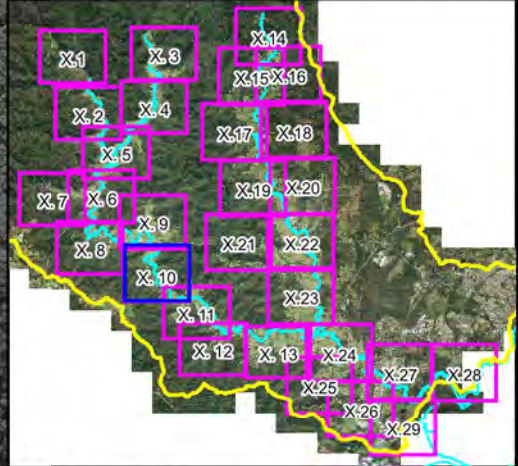
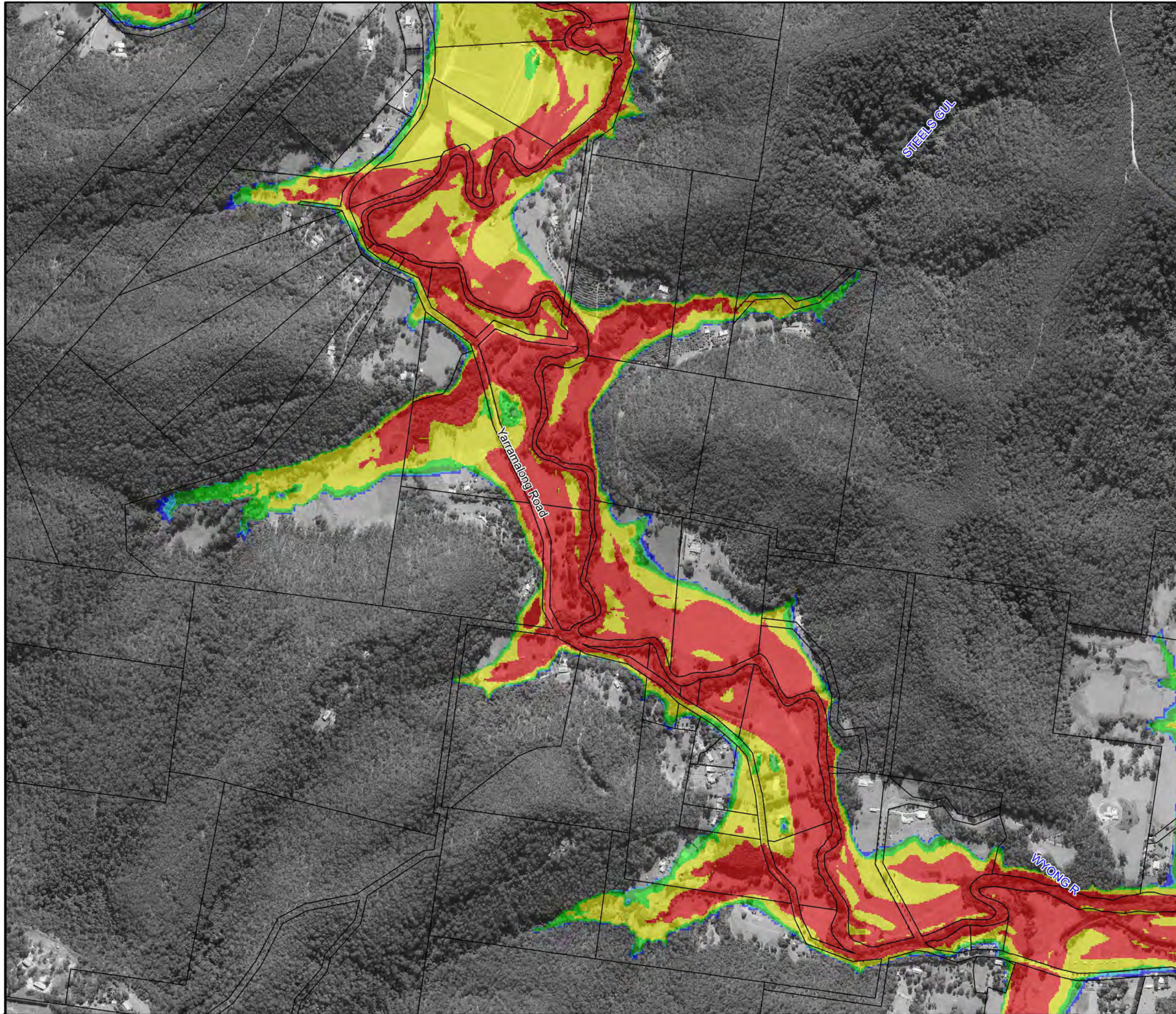
Notes:
Aerial photograph dated 2014



**Figure A5.9:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.9 Provisional Hazard 1% AEP Flood.wor



LEGEND

Critical Facility

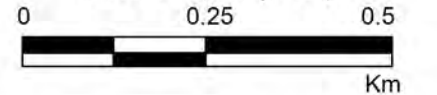
Hazards

- H1
- H2
- H3
- H4
- H5
- H6

Notes:
Aerial photograph dated 2014



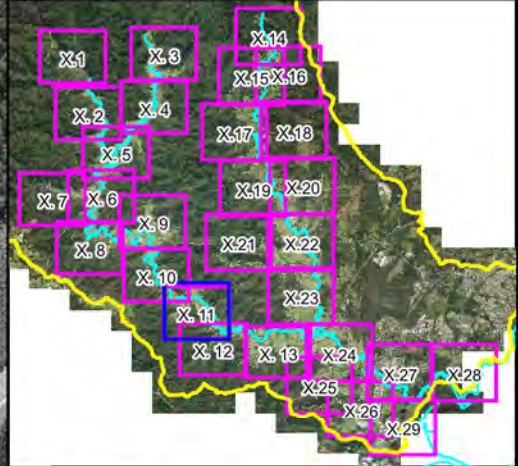
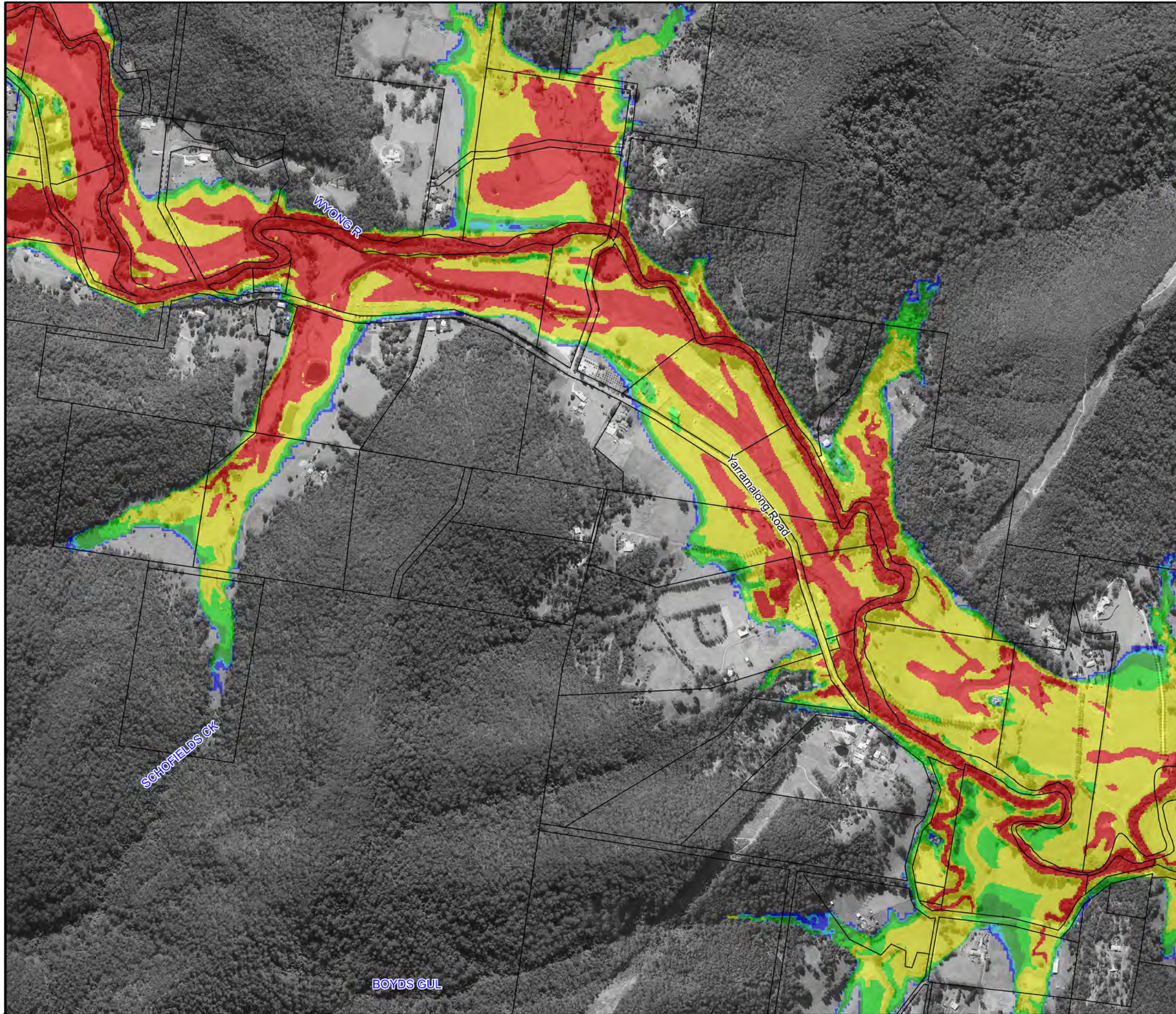
Scale 1:10,000 (at A3)



**Figure A5.10:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

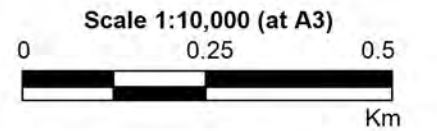
File Name: Figure A5.10 Provisional
Hazard 1% AEP Flood.wor



LEGEND

-  Critical Facility
- Hazards**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

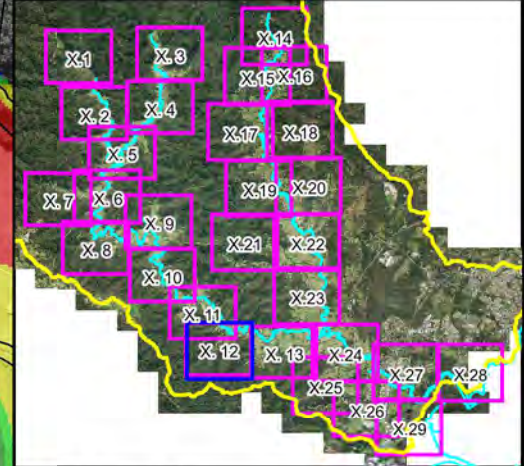
Notes:
Aerial photograph dated 2014



**Figure A5.11:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000





File Name: Figure A5.11 Provisional
Hazard 1% AEP Flood.wor



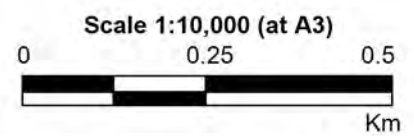
LEGEND

 Critical Facility


Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

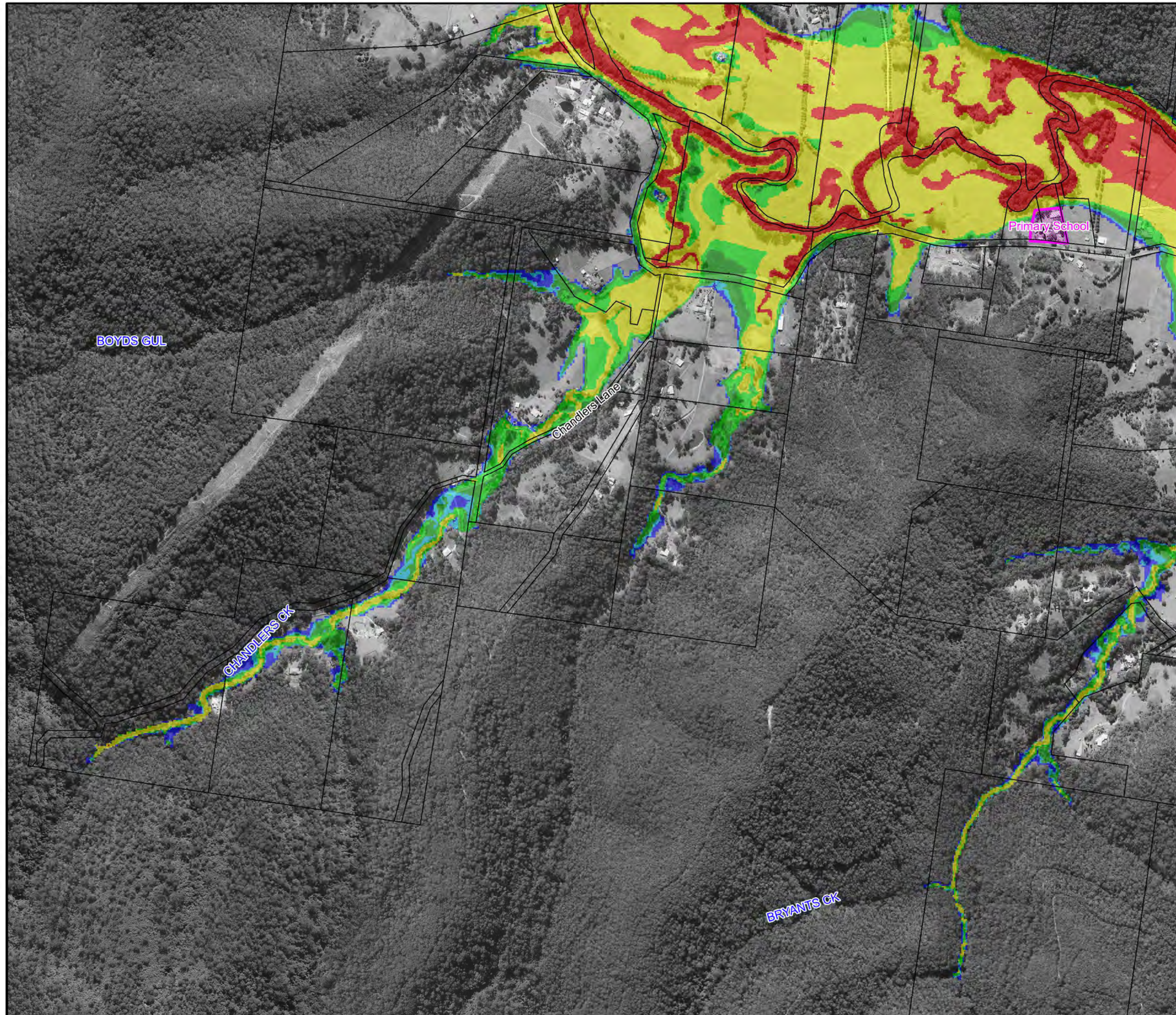
Notes:
Aerial photograph dated 2014

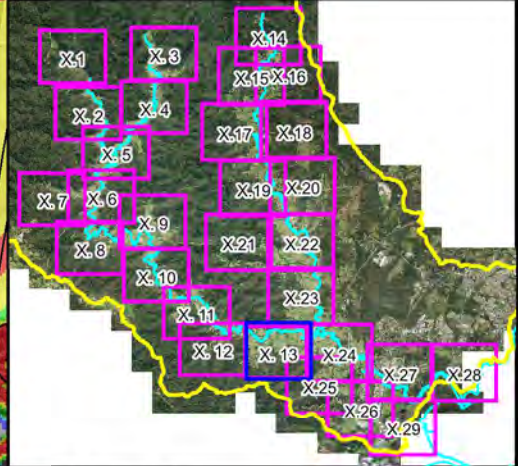
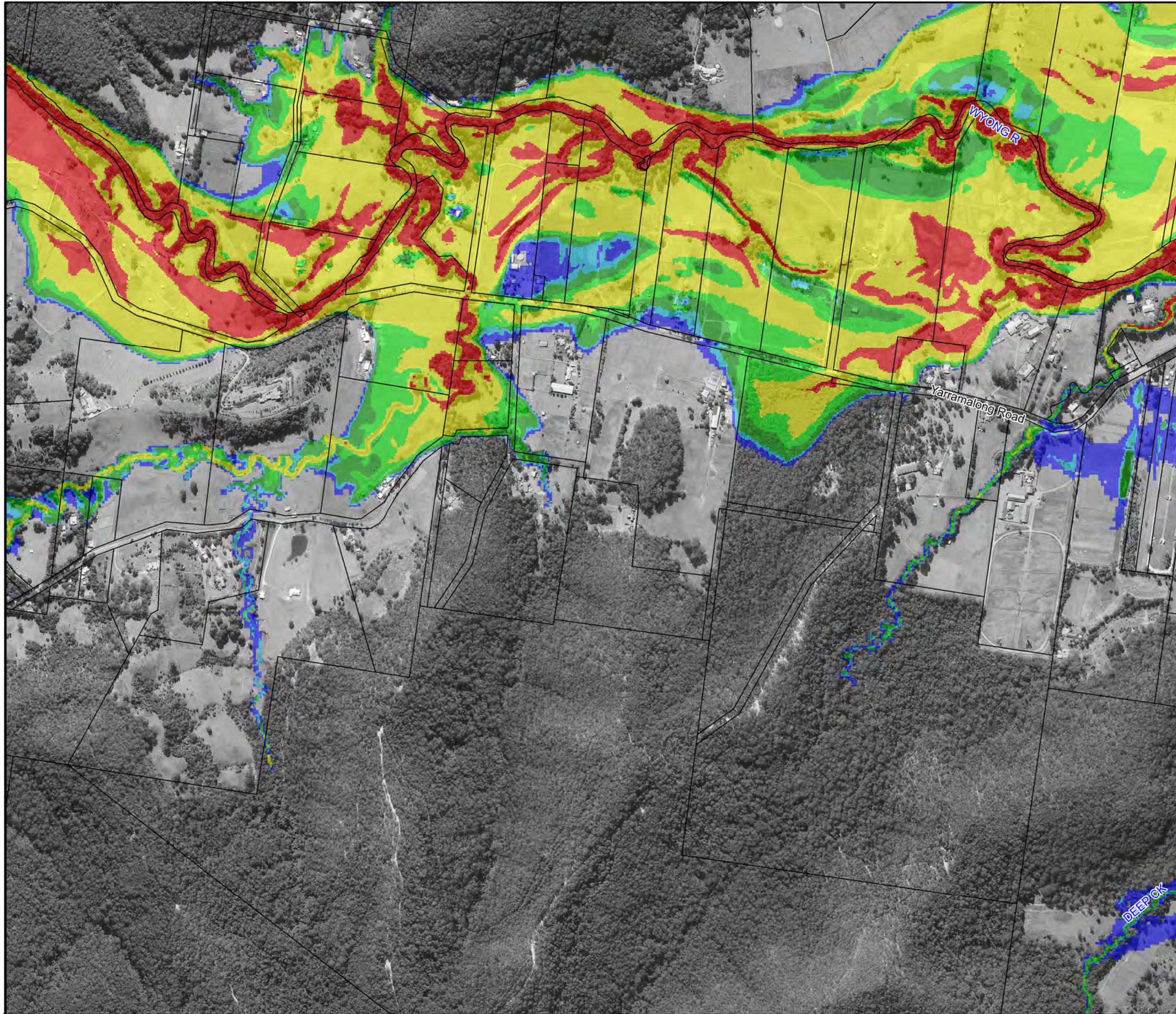


**Figure A5.12:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.12 Provisional Hazard 1% AEP Flood.wor

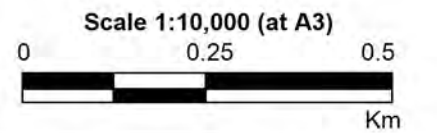




LEGEND

- Critical Facility
- Hazards**
- H1
- H2
- H3
- H4
- H5
- H6

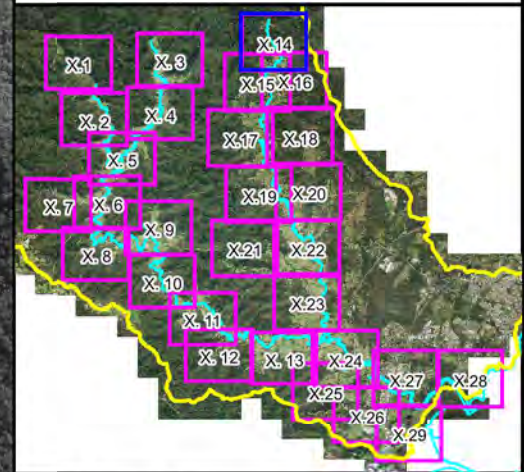
Notes:
Aerial photograph dated 2014



**Figure A5.13:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.13 Provisional
Hazard 1% AEP Flood.wor



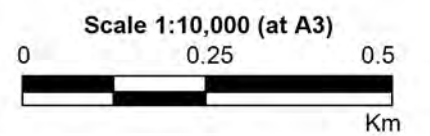
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

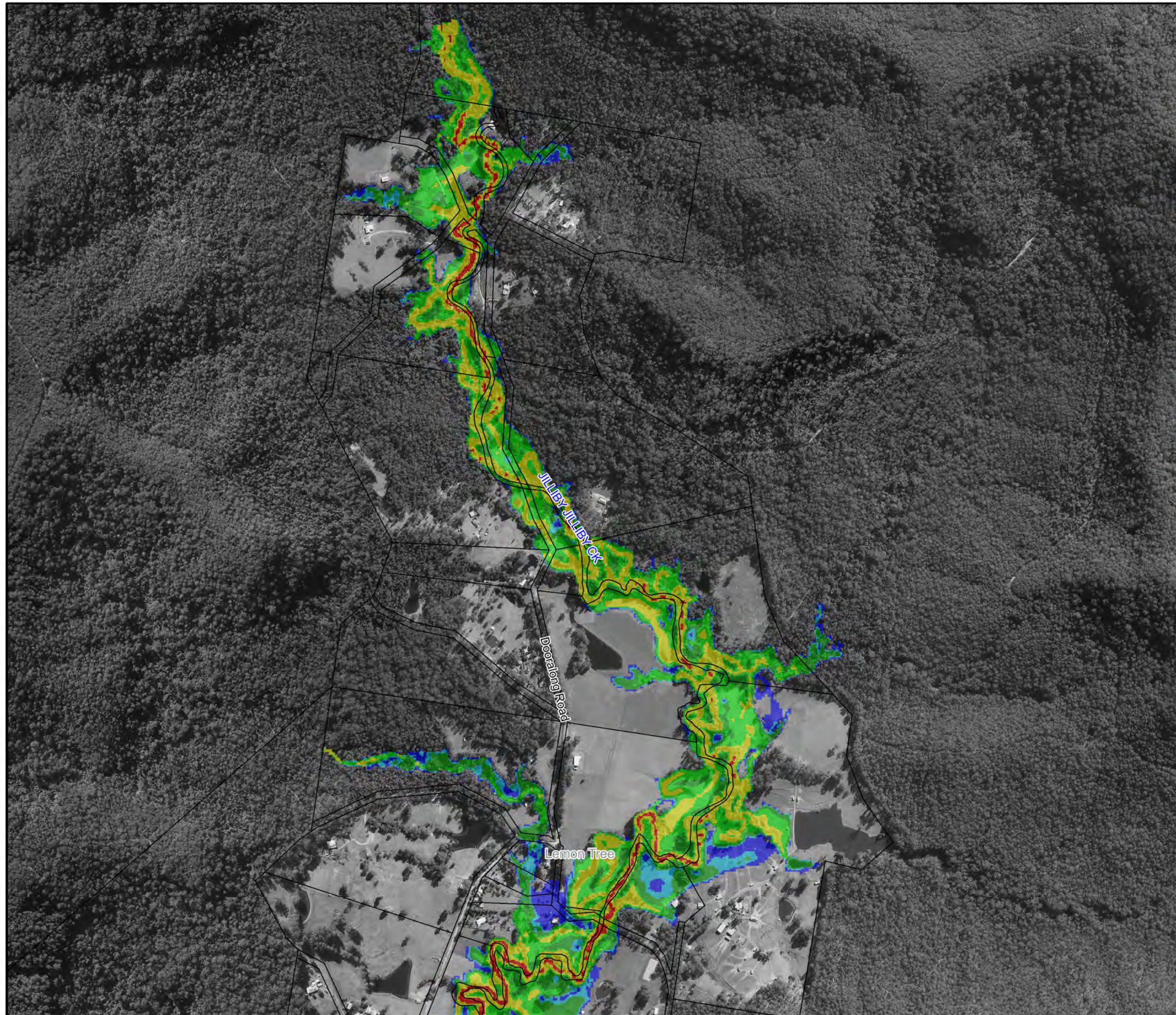
Notes:
Aerial photograph dated 2014

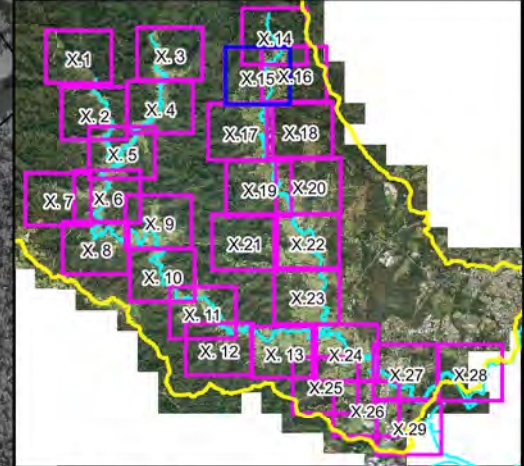


**Figure A5.14:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.14 Provisional Hazard 1% AEP Flood.wor





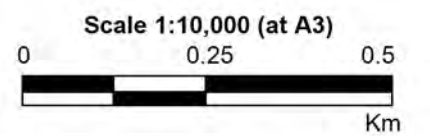
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

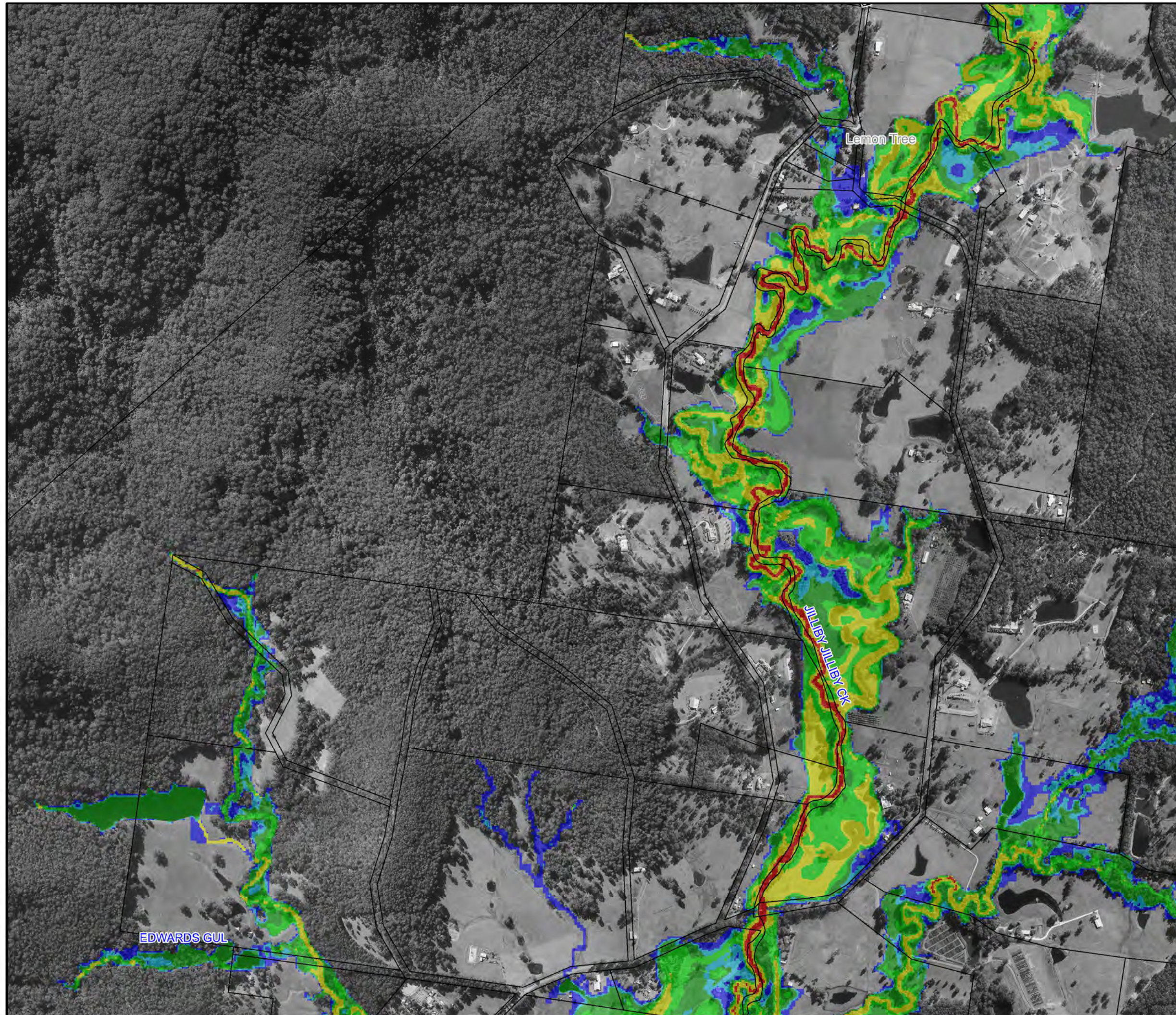
Notes:
Aerial photograph dated 2014

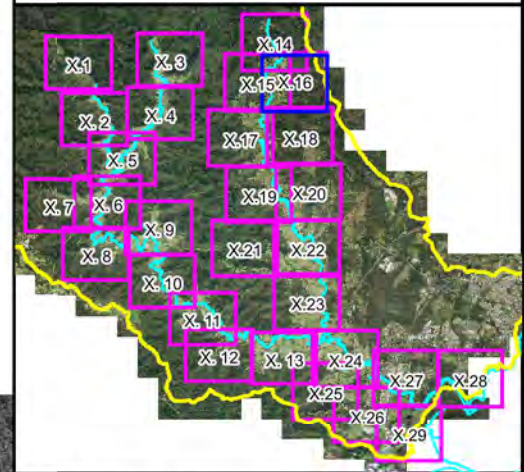
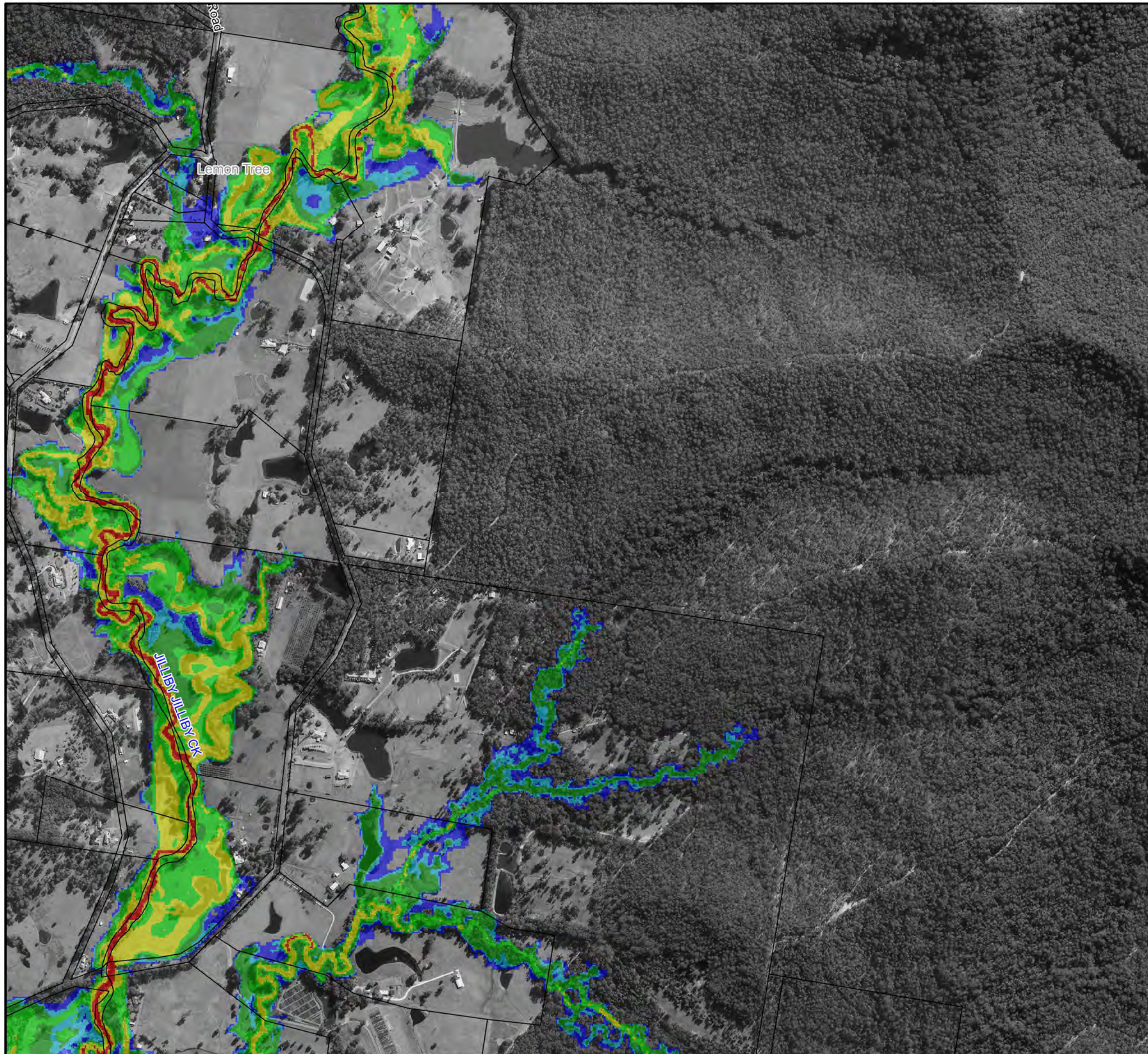


**Figure A5.15:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.15 Provisional Hazard 1% AEP Flood.wor





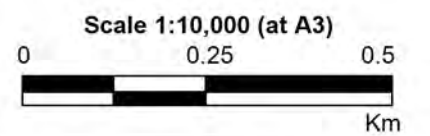
LEGEND

Critical Facility

Hazards

- H1
- H2
- H3
- H4
- H5
- H6

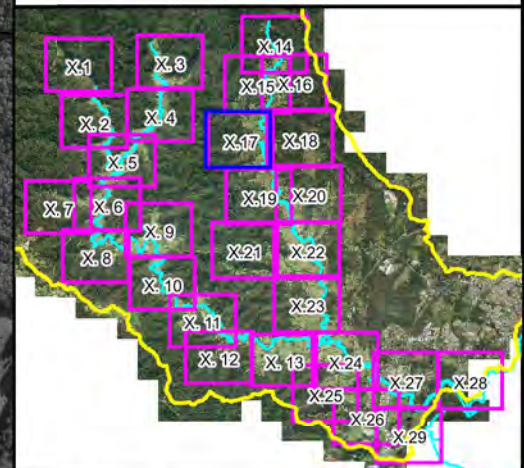
Notes:
Aerial photograph dated 2014



**Figure A5.16:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000





File Name: Figure A5.16 Provisional Hazard 1% AEP Flood.wor



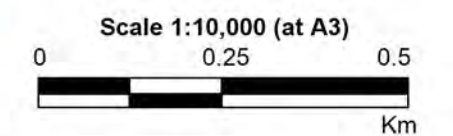
LEGEND

 Critical Facility


Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

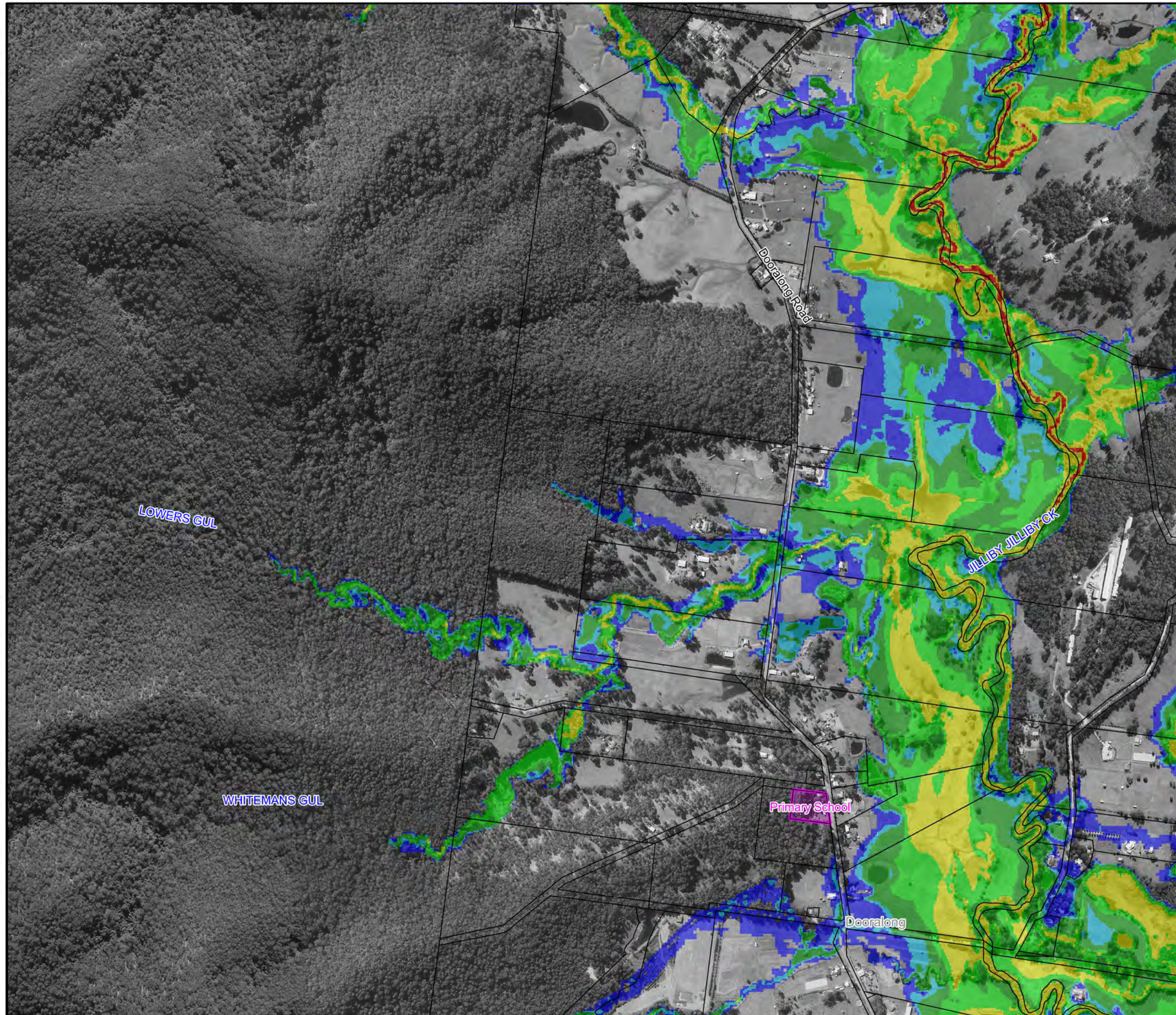
Notes:
Aerial photograph dated 2014

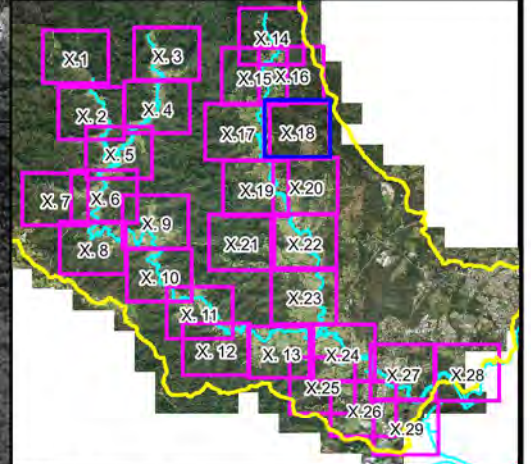


**Figure A5.17:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.17 Provisional
Hazard 1% AEP Flood.wor





LEGEND

Critical Facility

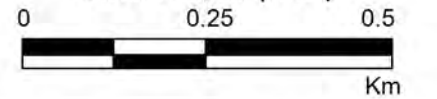
Hazards

- H1
- H2
- H3
- H4
- H5
- H6

Notes:
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

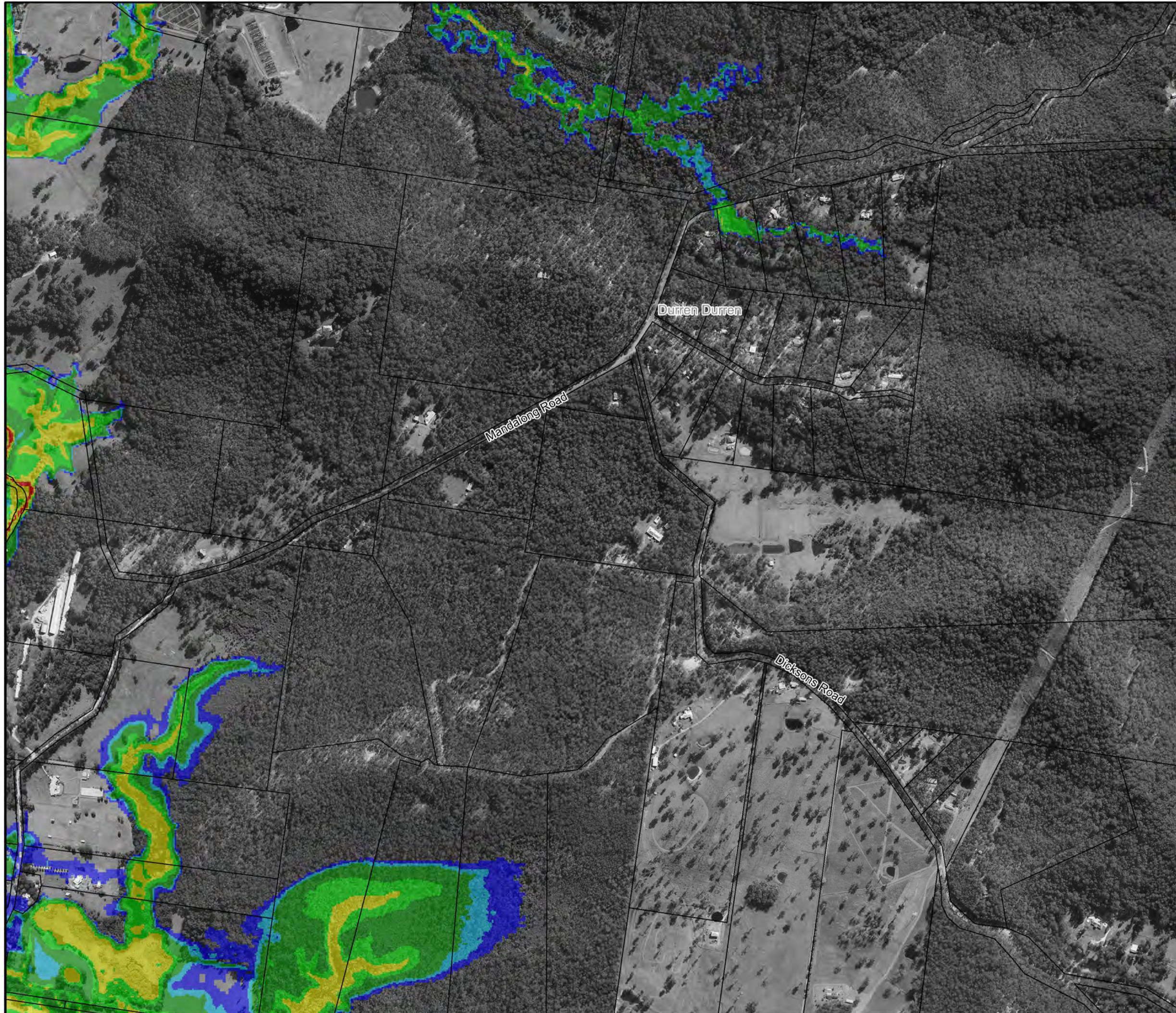


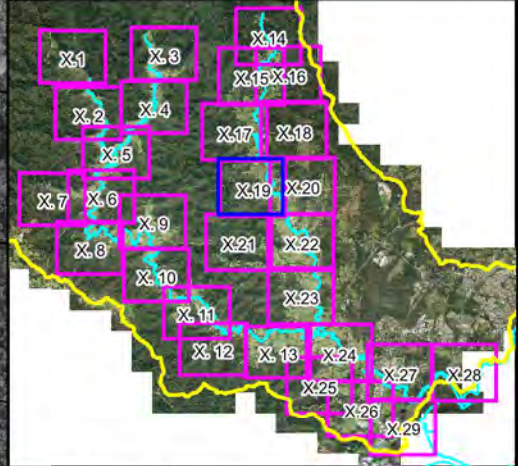
**Figure A5.18:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:

Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.18 Provisional
Hazard 1% AEP Flood.wor

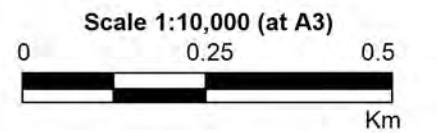





LEGEND

-  Critical Facility
- Hazards**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

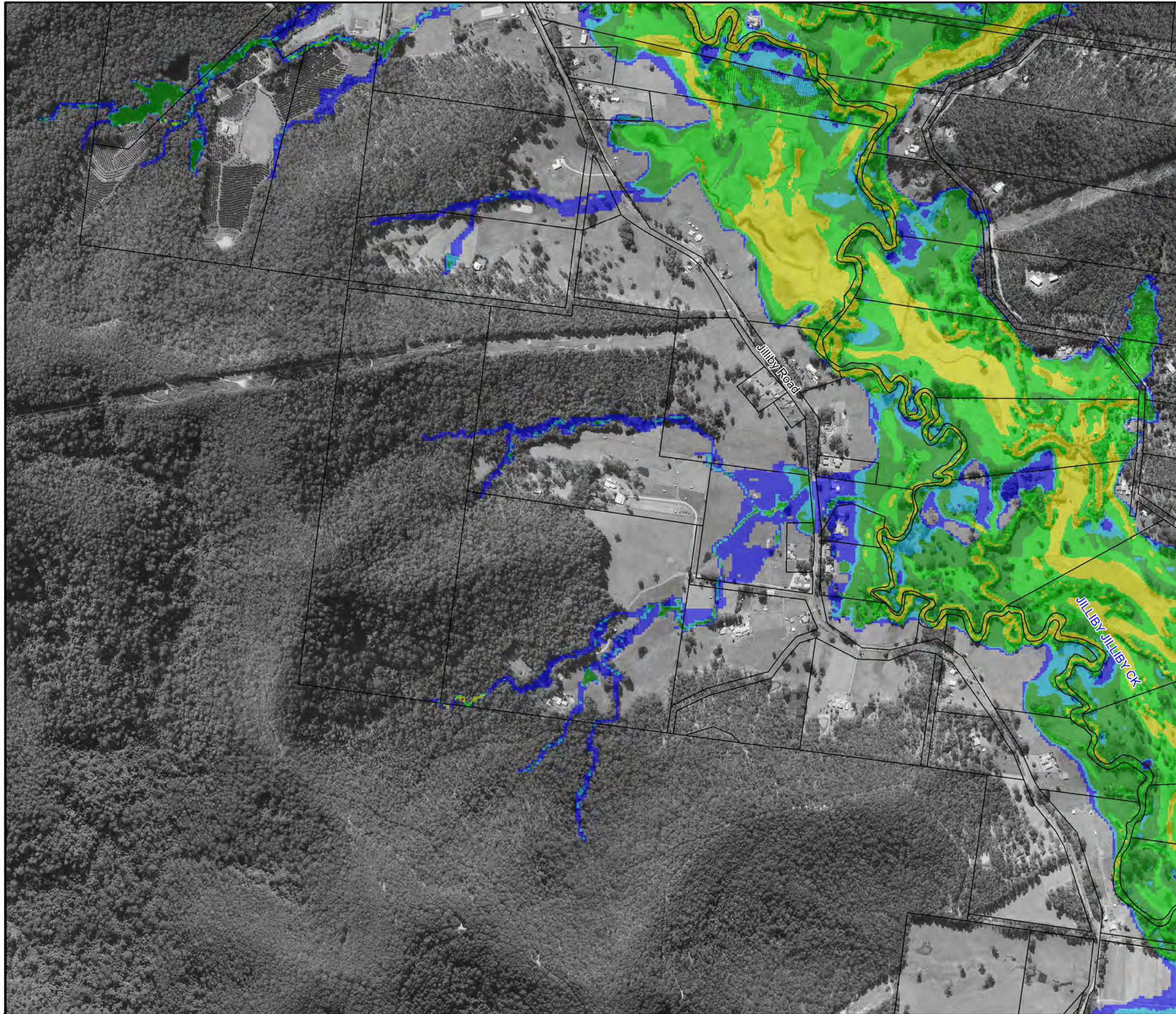
Notes:
Aerial photograph dated 2014

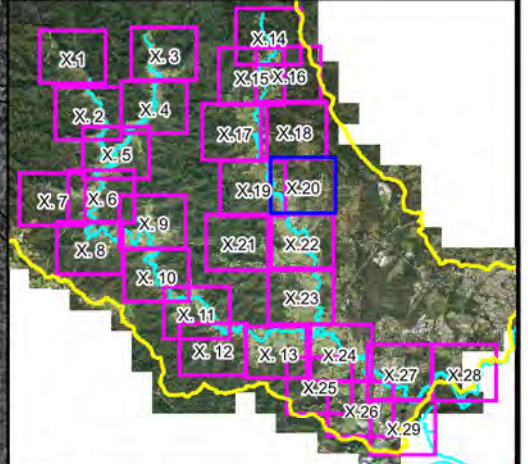
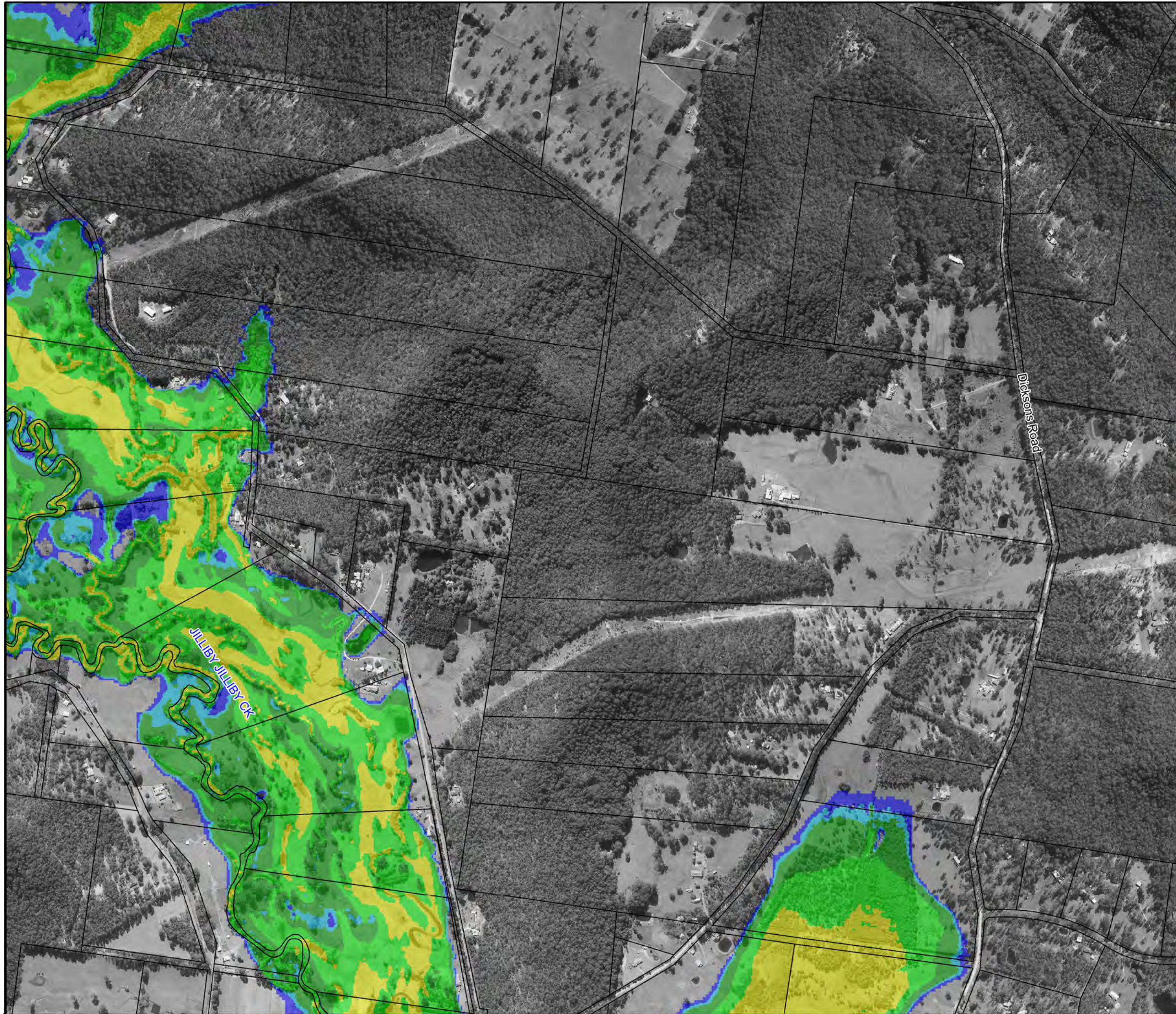


**Figure A5.19:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.19 Provisional
Hazard 1% AEP Flood.wor









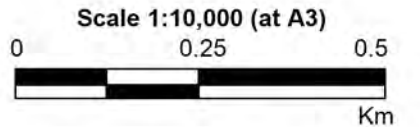
LEGEND

 Critical Facility


Hazards

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

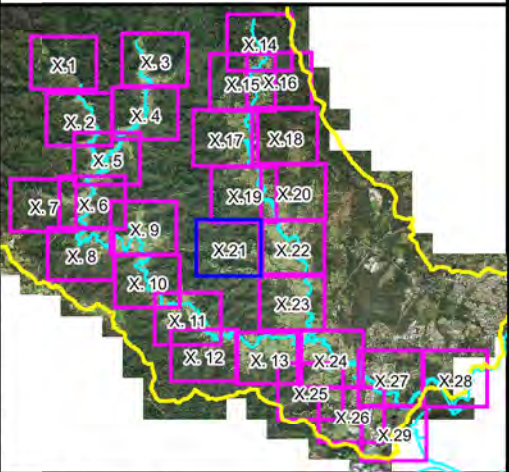
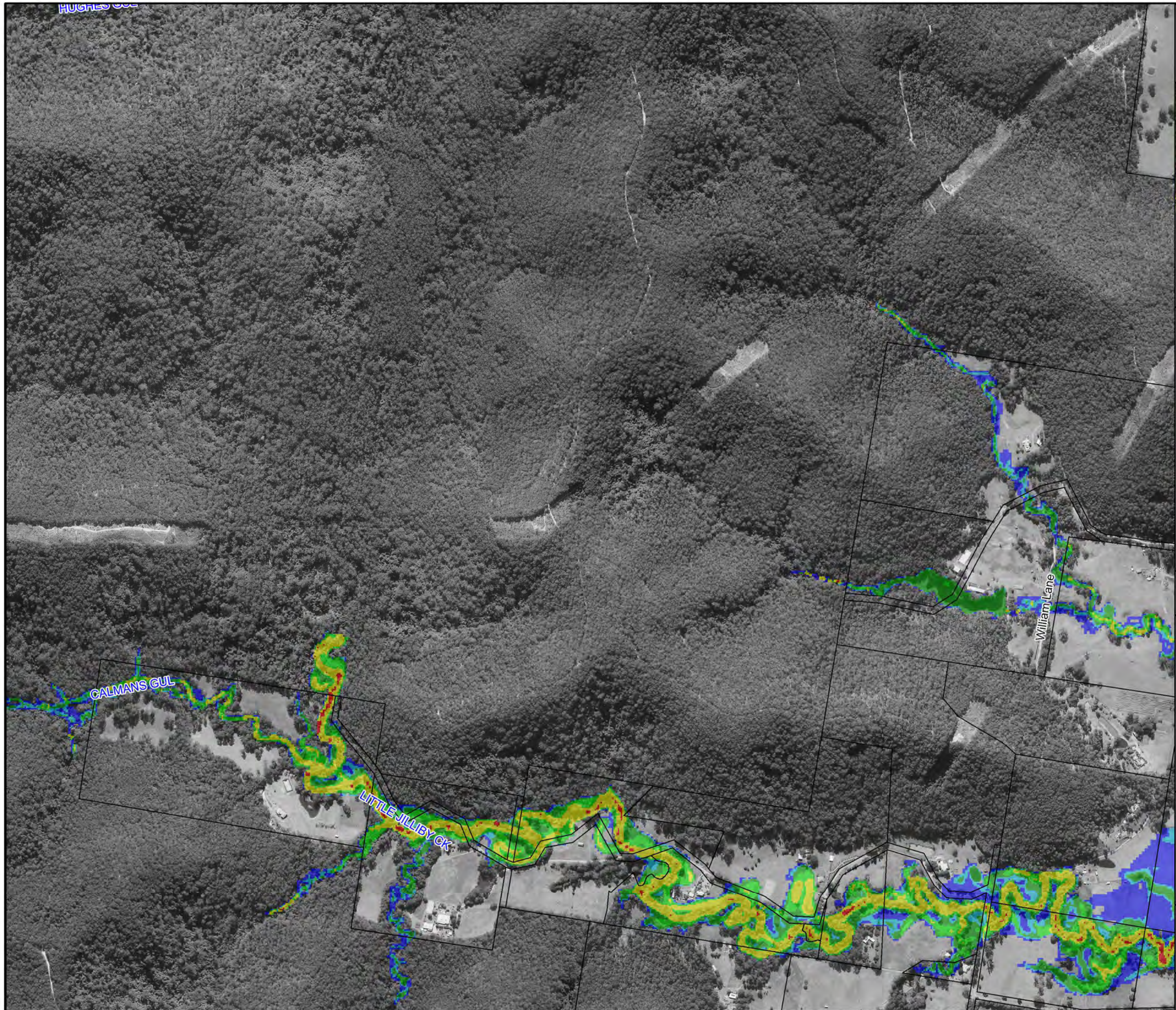
Notes:
Aerial photograph dated 2014



**Figure A5.20:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

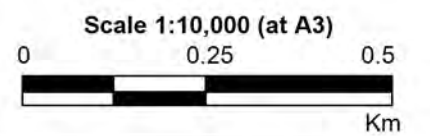
File Name: Figure A5.20 Provisional
Hazard 1% AEP Flood.wor




LEGEND

-  Critical Facility
- Hazards**
-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

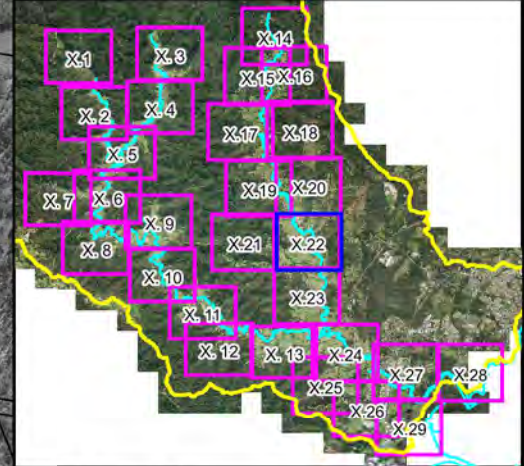
Notes:
Aerial photograph dated 2014



**Figure A5.21:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 **Catchment Simulation Solutions**
Suite 2.01, 210 George St
Sydney, NSW 2000

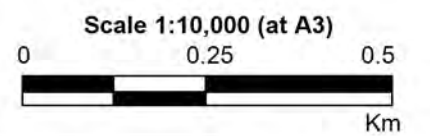
File Name: Figure A5.21 Provisional Hazard 1% AEP Flood.wor



LEGEND

- Critical Facility
- Hazards**
- H1
- H2
- H3
- H4
- H5
- H6

Notes:
Aerial photograph dated 2014



**Figure A5.22:
Provisional Flood
Hazard for the
1% AEP Flood**

Prepared By:
 Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Figure A5.22 Provisional Hazard 1% AEP Flood.wor

