







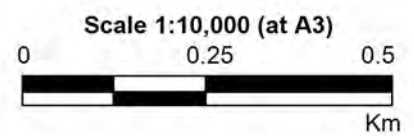



**LEGEND**

-  PMF Flood Extent
-  Critical Facility
- Flood Risk**
-  No Risk
-  Very Low
-  Low
-  Medium
-  High
-  Extreme

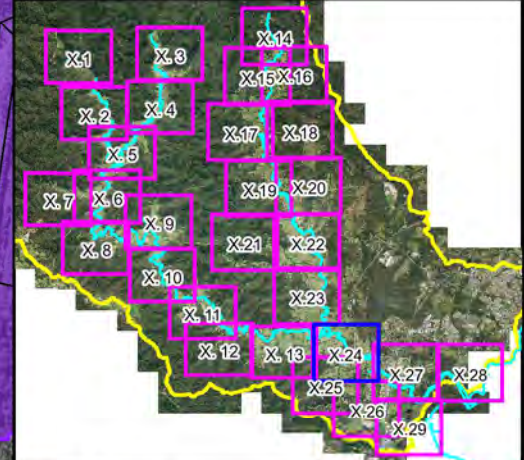
Notes:



**Figure A15.23:  
Existing Flood  
Risk for the  
PMF Event**

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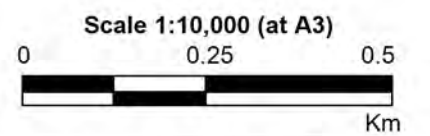
File Name: Figure A15.23 Existing Flood Risk for the PMF Event.wor



**LEGEND**

- PMF Flood Extent
- Critical Facility
- Flood Risk**
- No Risk
- Very Low
- Low
- Medium
- High
- Extreme

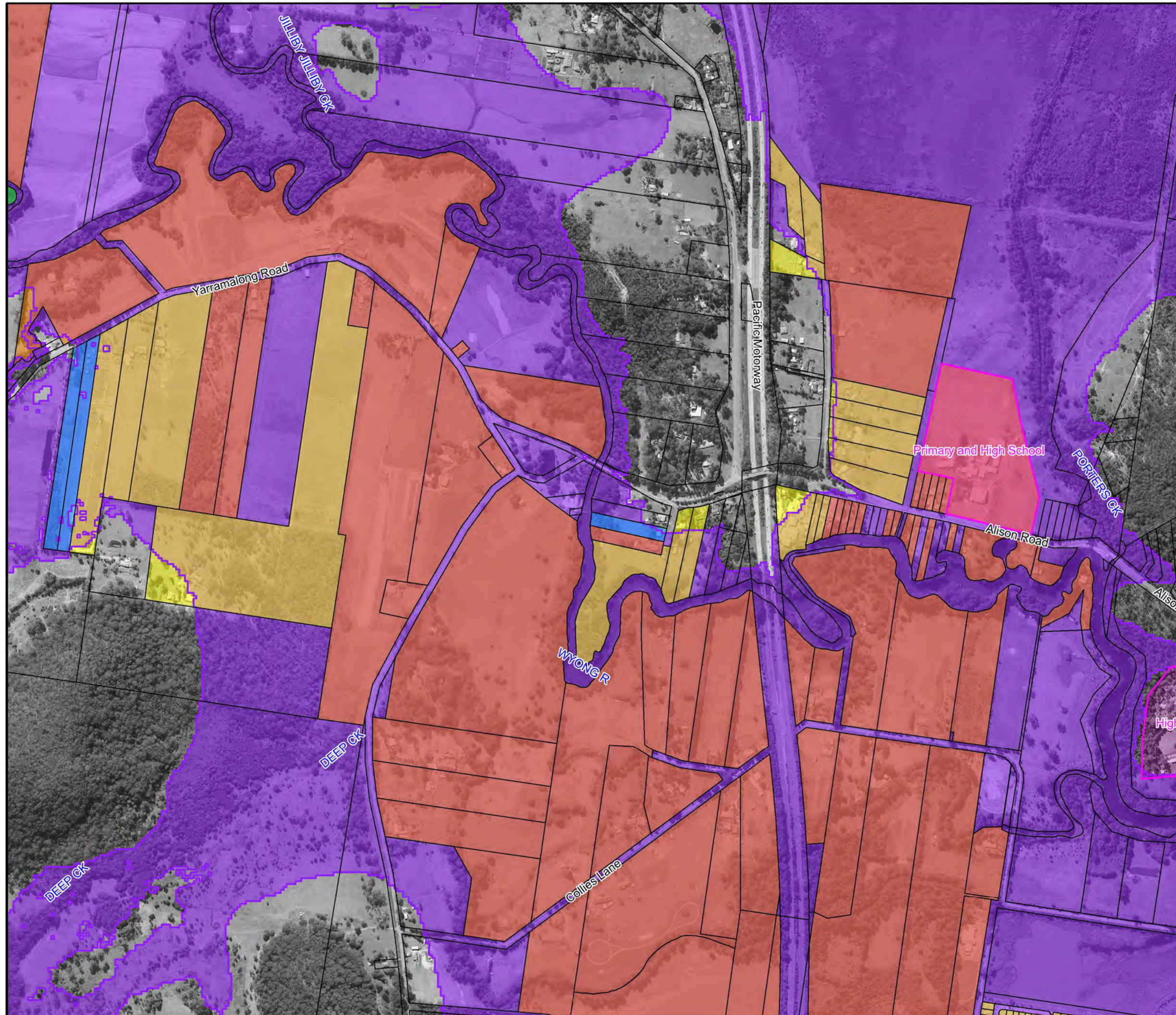
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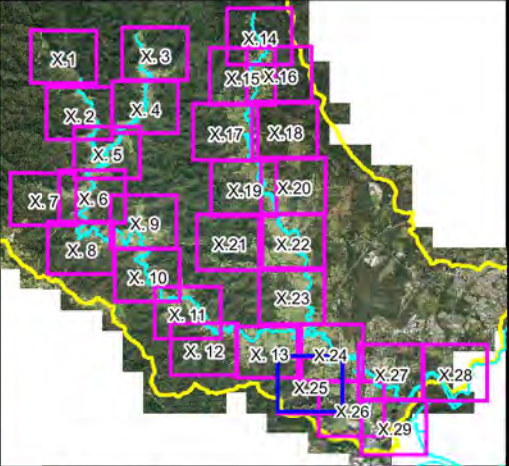
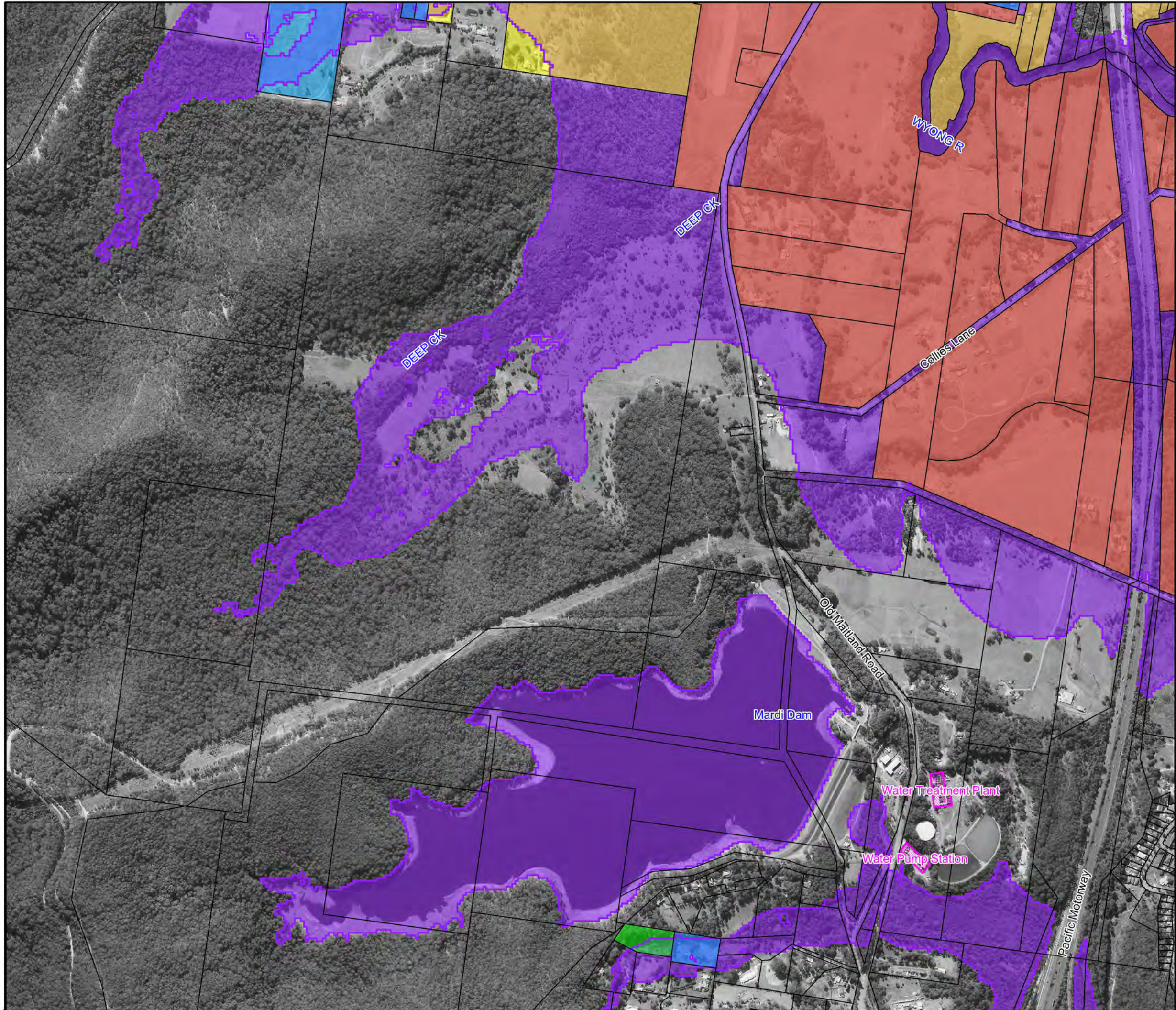


**Figure A15.24:  
Existing Flood  
Risk for the  
PMF Event**

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 Catchment Simulation Solutions  
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 Sydney, NSW 2000

File Name: Figure A15.24 Existing Flood Risk for the PMF Event.wor

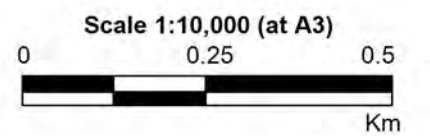




**LEGEND**

- PMF Flood Extent
  - Critical Facility
- Flood Risk**
- No Risk
  - Very Low
  - Low
  - Medium
  - High
  - Extreme

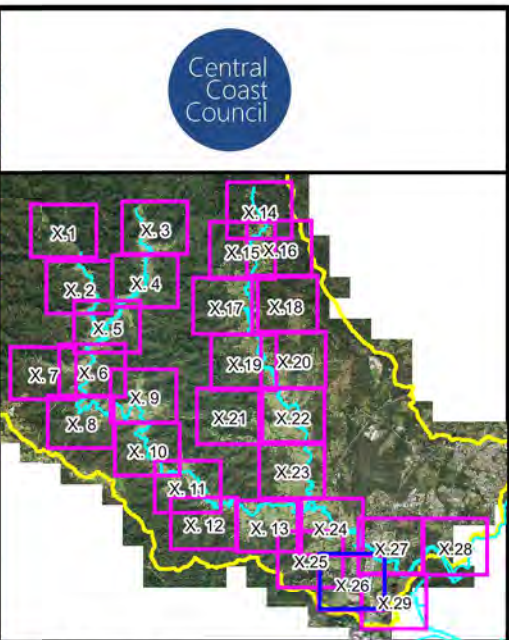
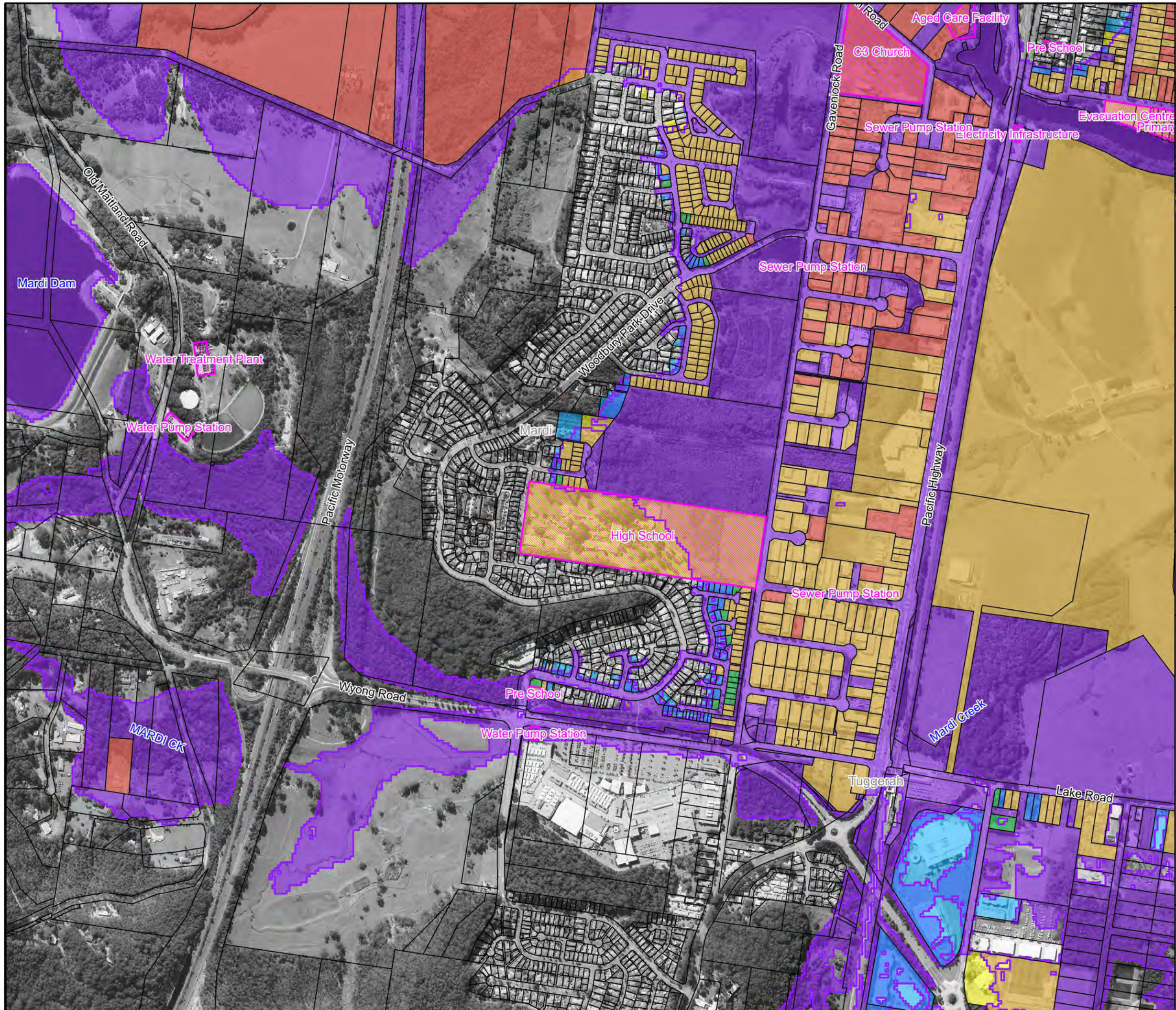
Notes:



**Figure A15.25:  
Existing Flood  
Risk for the  
PMF Event**

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**Catchment Simulation Solutions**  
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 Sydney, NSW 2000

File Name: Figure A15.25 Existing Flood Risk for the PMF Event.wor

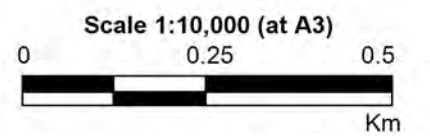


Central Coast Council

**LEGEND**

- PMF Flood Extent
- Critical Facility
- Flood Risk**
- No Risk
- Very Low
- Low
- Medium
- High
- Extreme

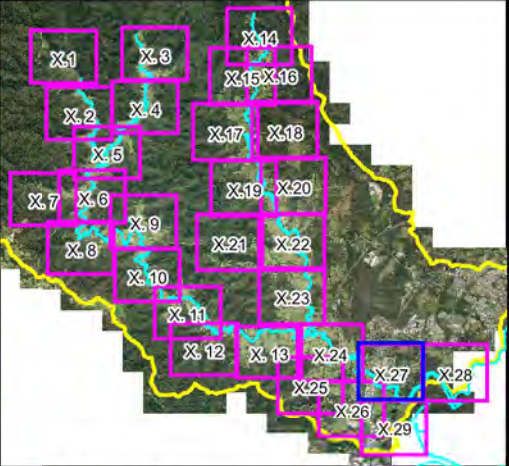
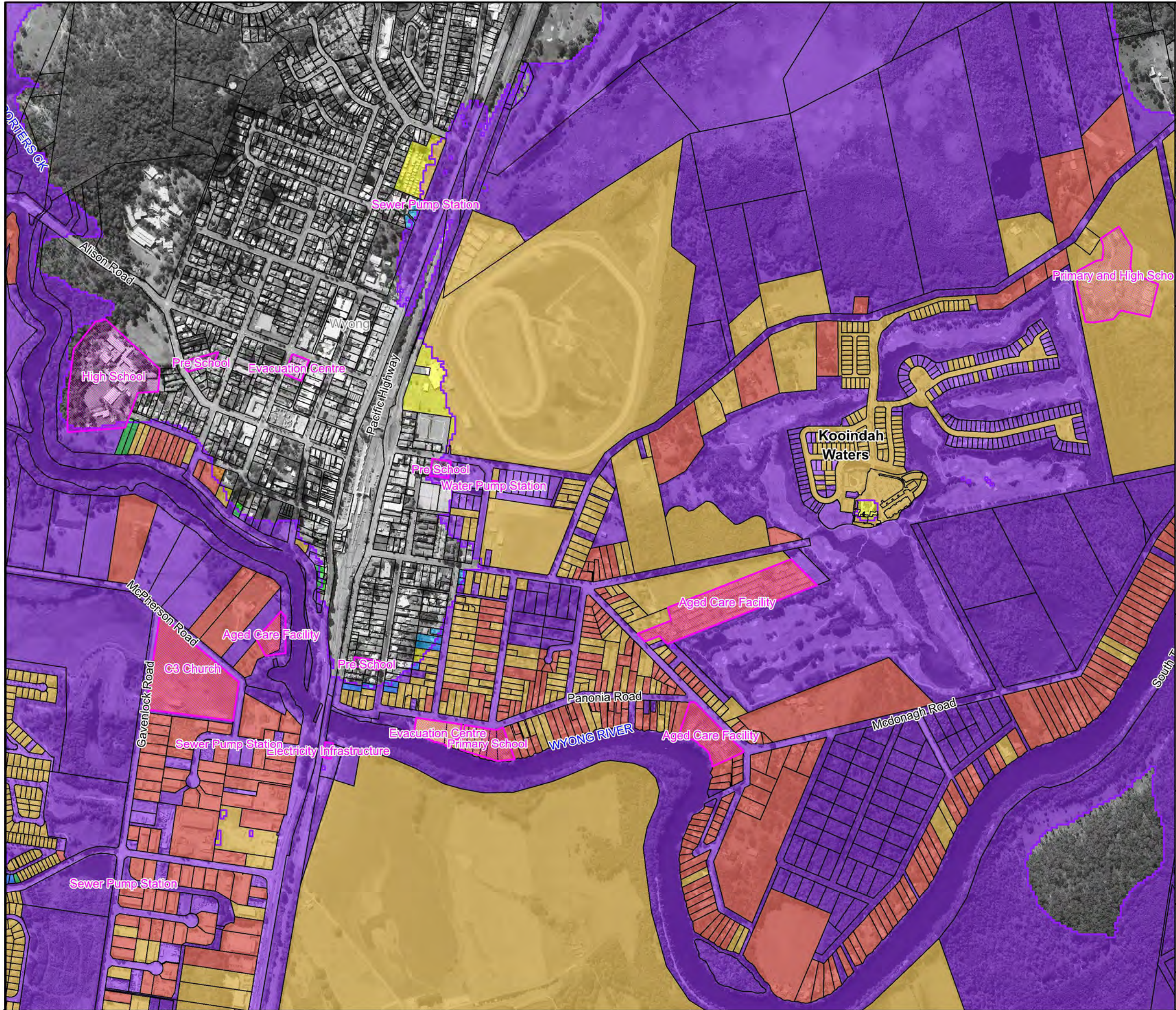
Notes:



**Figure A15.26:  
Existing Flood  
Risk for the  
PMF Event**

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 Sydney, NSW 2000

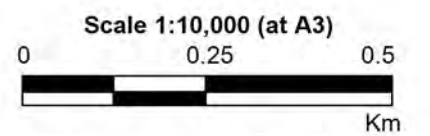
File Name: Figure A15.26 Existing Flood Risk for the PMF Event.wor



**LEGEND**

- PMF Flood Extent
  - Critical Facility
- Flood Risk**
- No Risk
  - Very Low
  - Low
  - Medium
  - High
  - Extreme

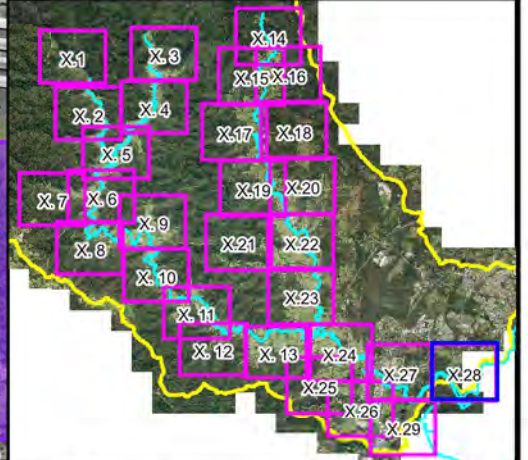
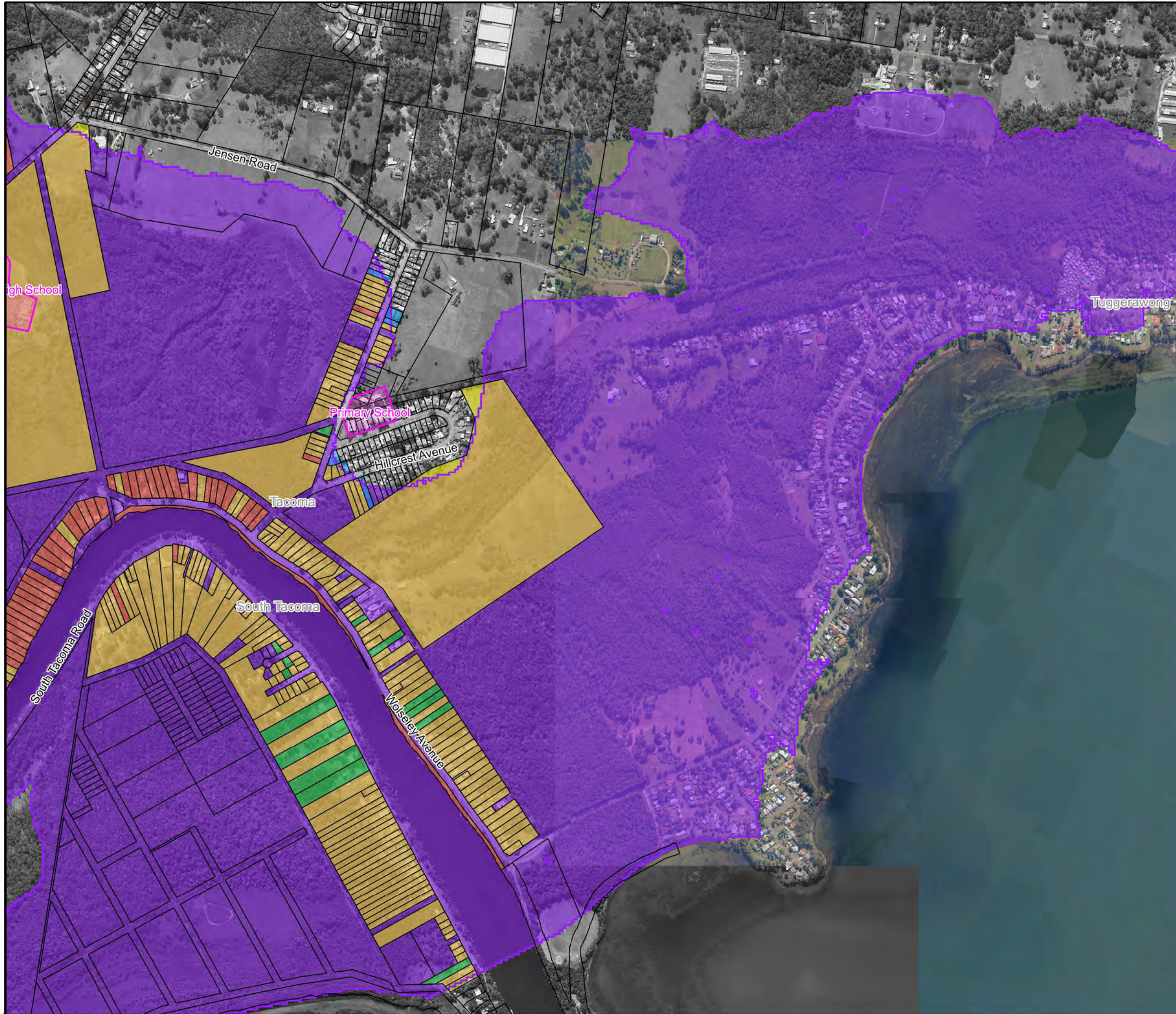
Notes:



**Figure A15.27:  
Existing Flood  
Risk for the  
PMF Event**

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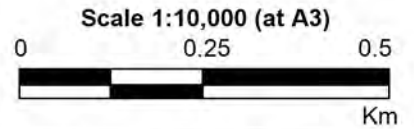
File Name: Figure A15.27 Existing Flood Risk for the PMF Event.wor




**LEGEND**

-  PMF Flood Extent
-  Critical Facility
- Flood Risk**
-  No Risk
-  Very Low
-  Low
-  Medium
-  High
-  Extreme

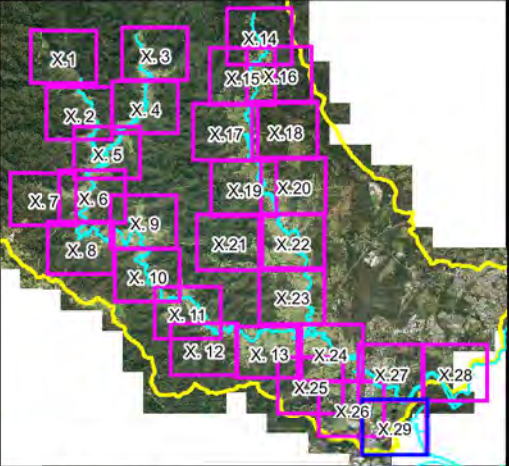
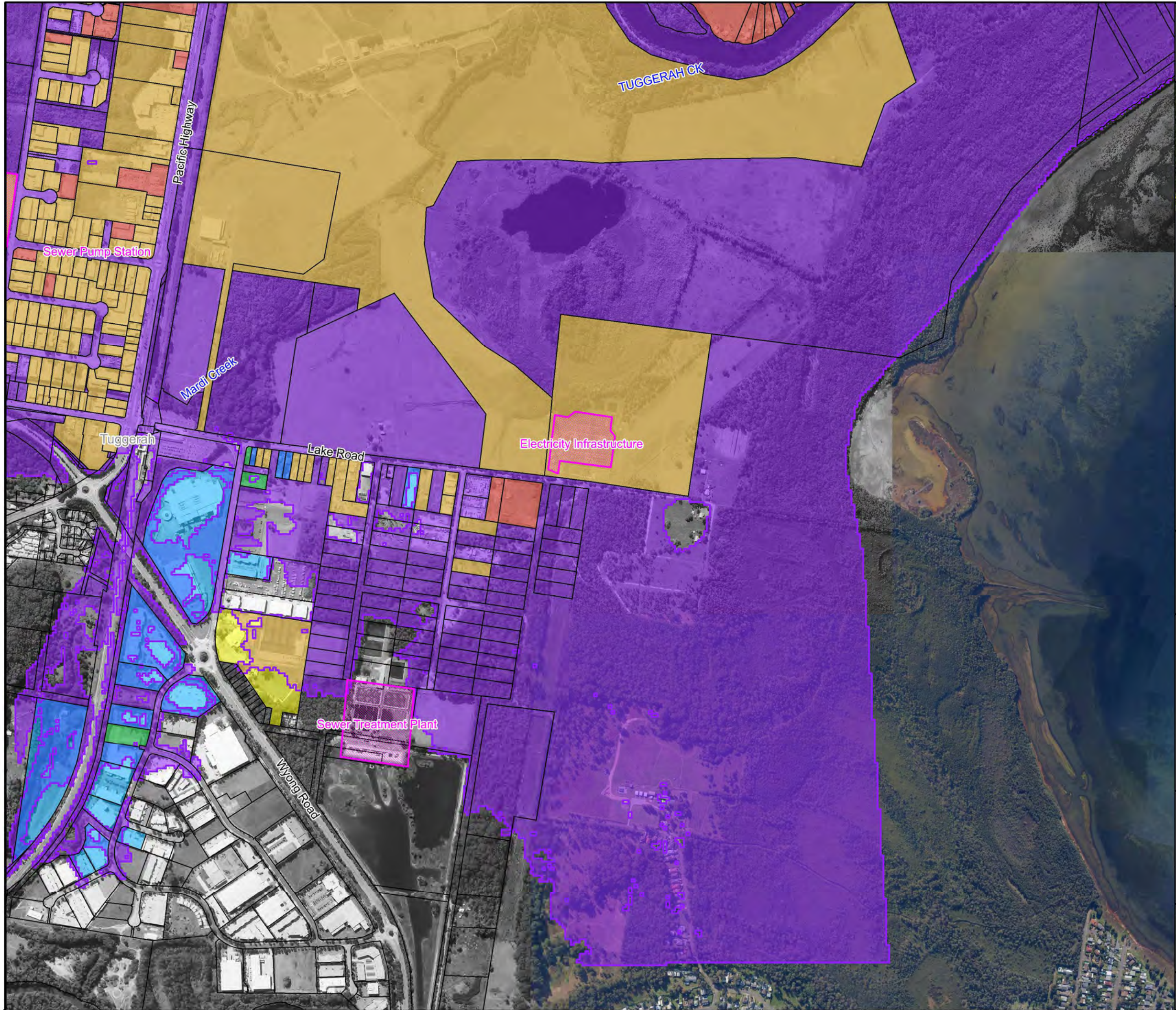
Notes:



**Figure A15.28:  
Existing Flood  
Risk for the  
PMF Event**

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 Sydney, NSW 2000

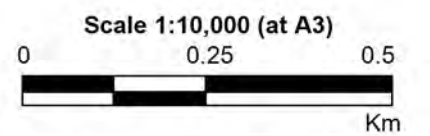
File Name: Figure A15.28 Existing Flood Risk for the PMF Event.wor



**LEGEND**

- PMF Flood Extent
  - Critical Facility
- Flood Risk**
- No Risk
  - Very Low
  - Low
  - Medium
  - High
  - Extreme

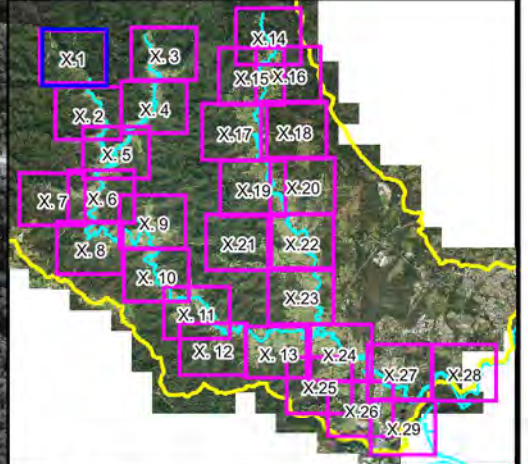
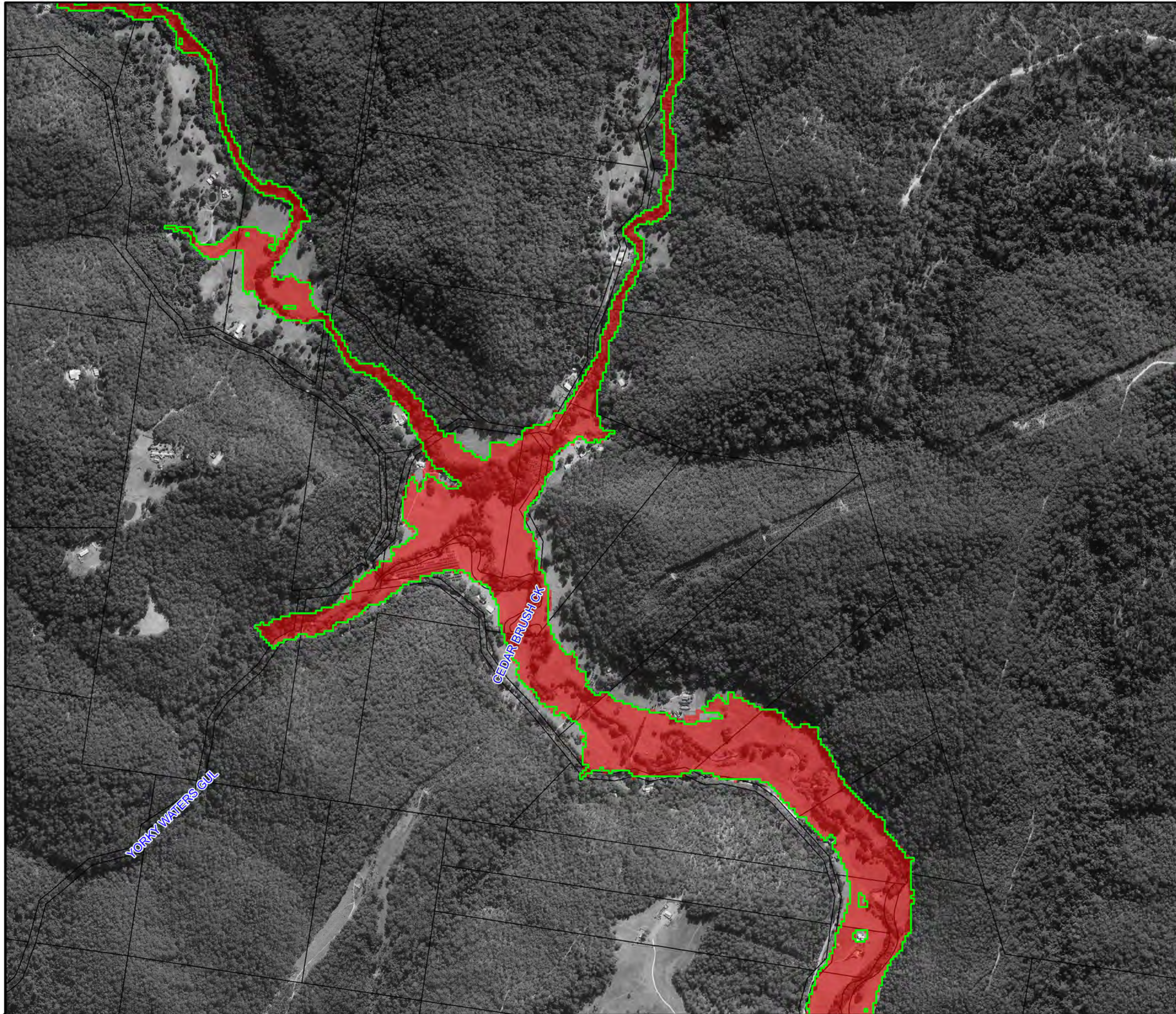
Notes:



**Figure A15.29:  
Existing Flood  
Risk for the  
PMF Event**

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 Sydney, NSW 2000

File Name: Figure A15.29 Existing Flood Risk for the PMF Event.wor



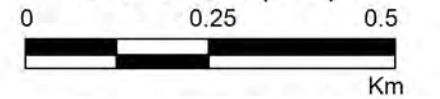
**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



Scale 1:10,000 (at A3)



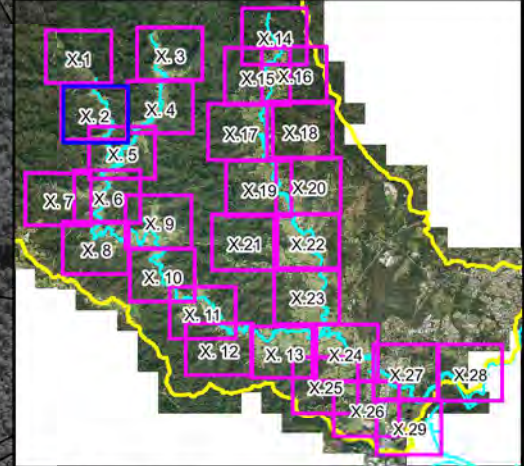
**Figure A16.1:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

Prepared By:

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

File Name: Figure A16.1 CC15 1% AEP.wor

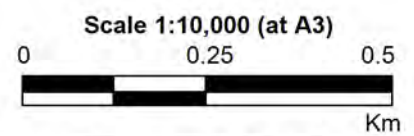




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

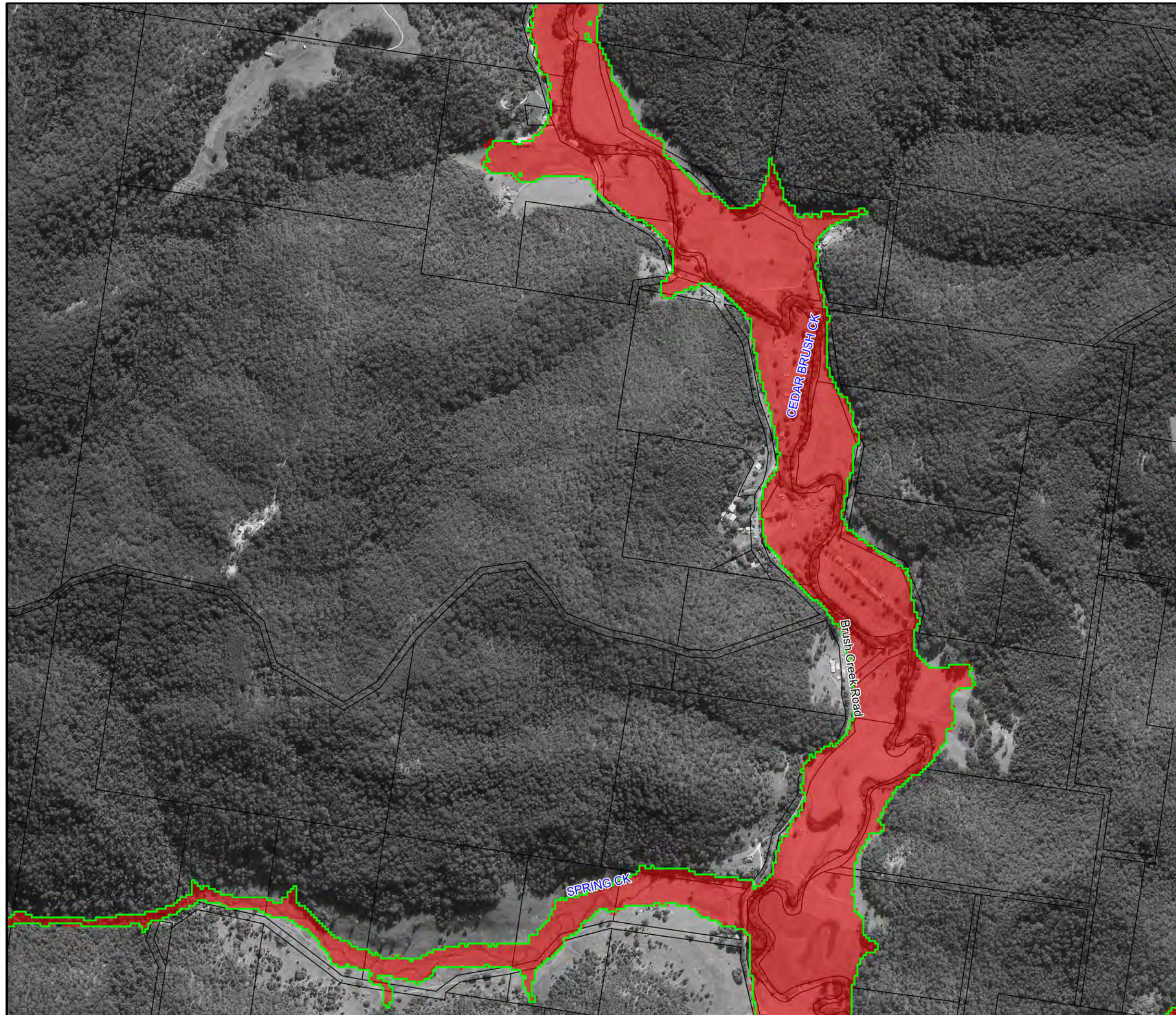
Notes:  
Aerial photograph dated 2014

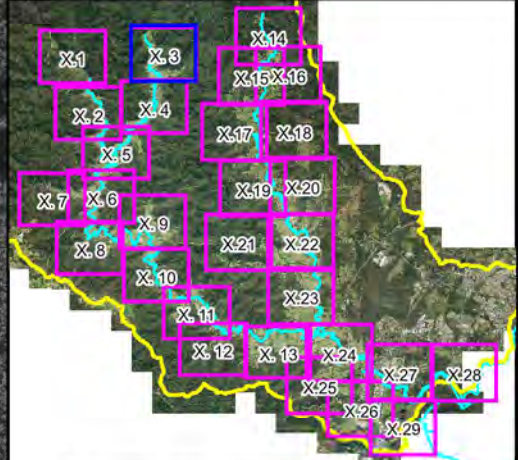
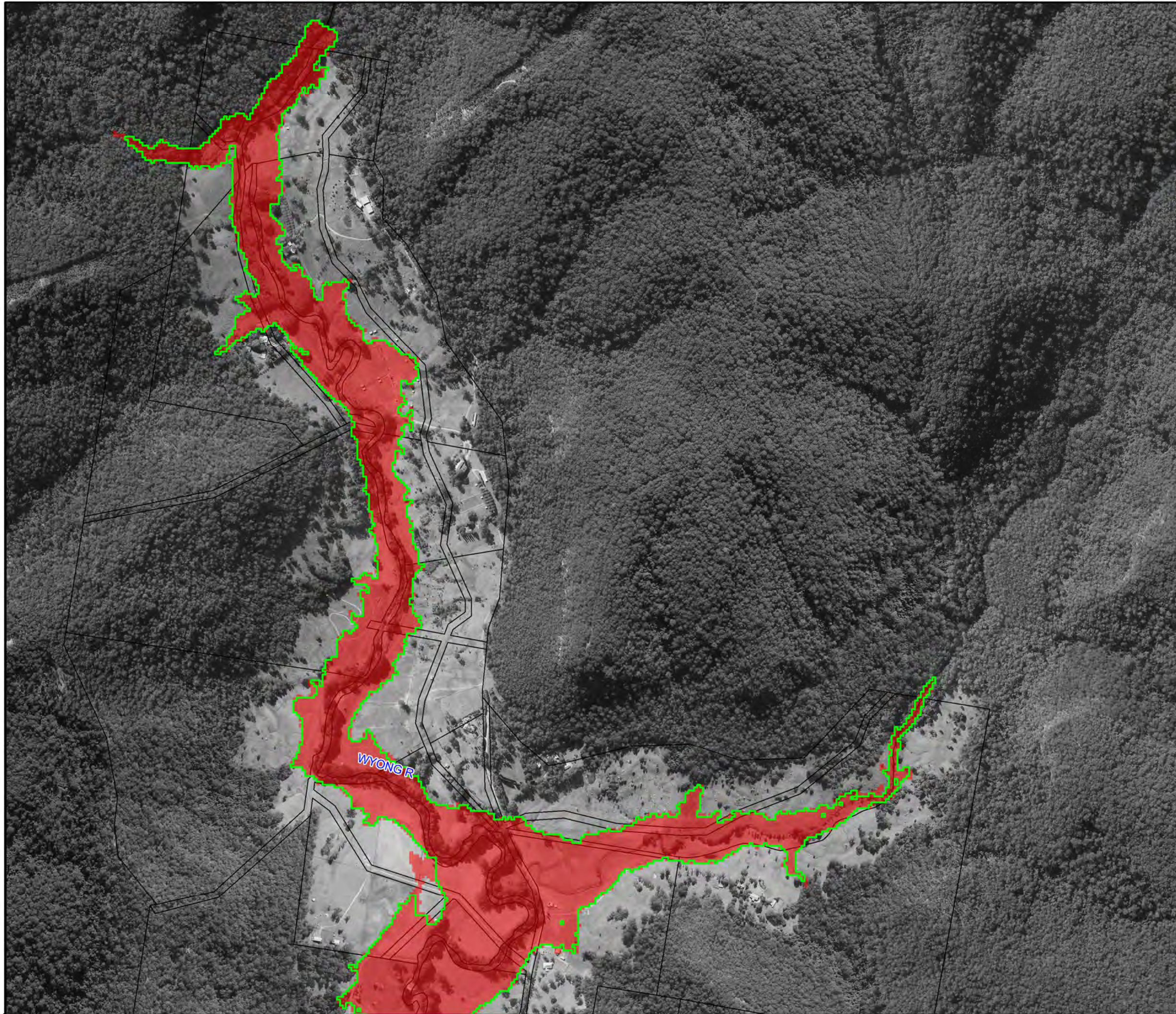


**Figure A16.2:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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File Name: Figure A16.2 CC15 1% AEP.wor

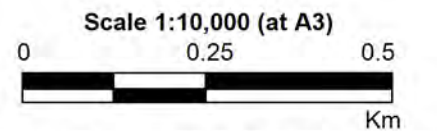




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

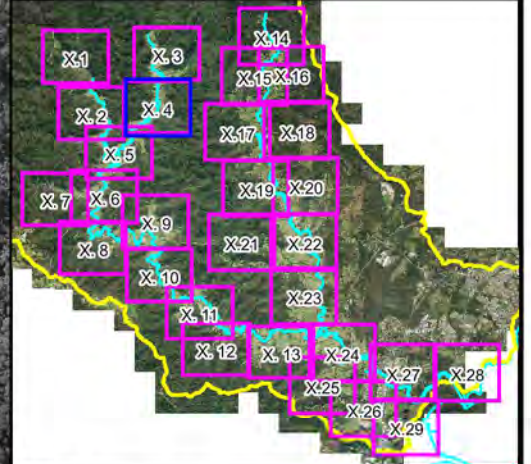
Notes:  
Aerial photograph dated 2014



**Figure A16.3:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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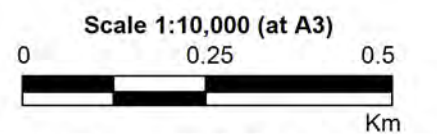
File Name: Figure A16.3 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

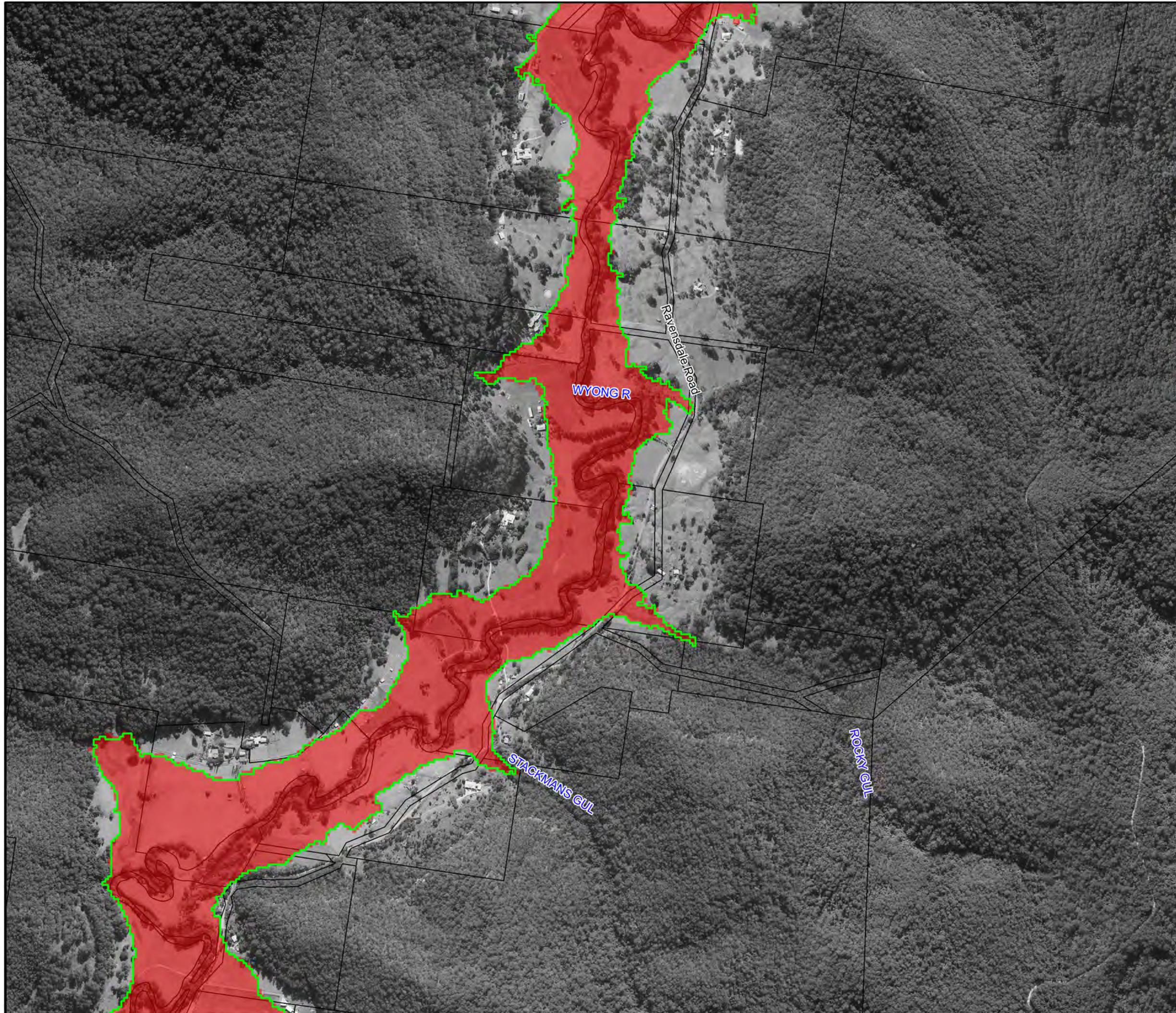
Notes:  
Aerial photograph dated 2014

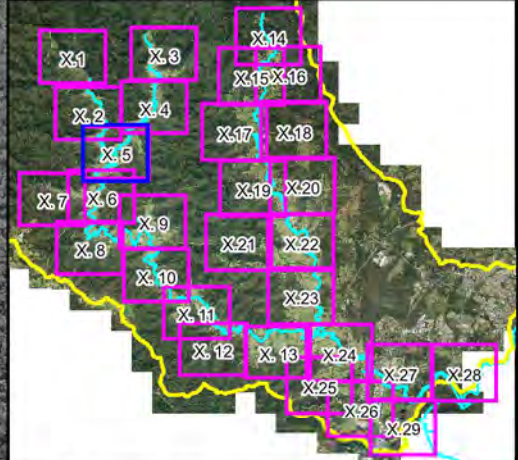
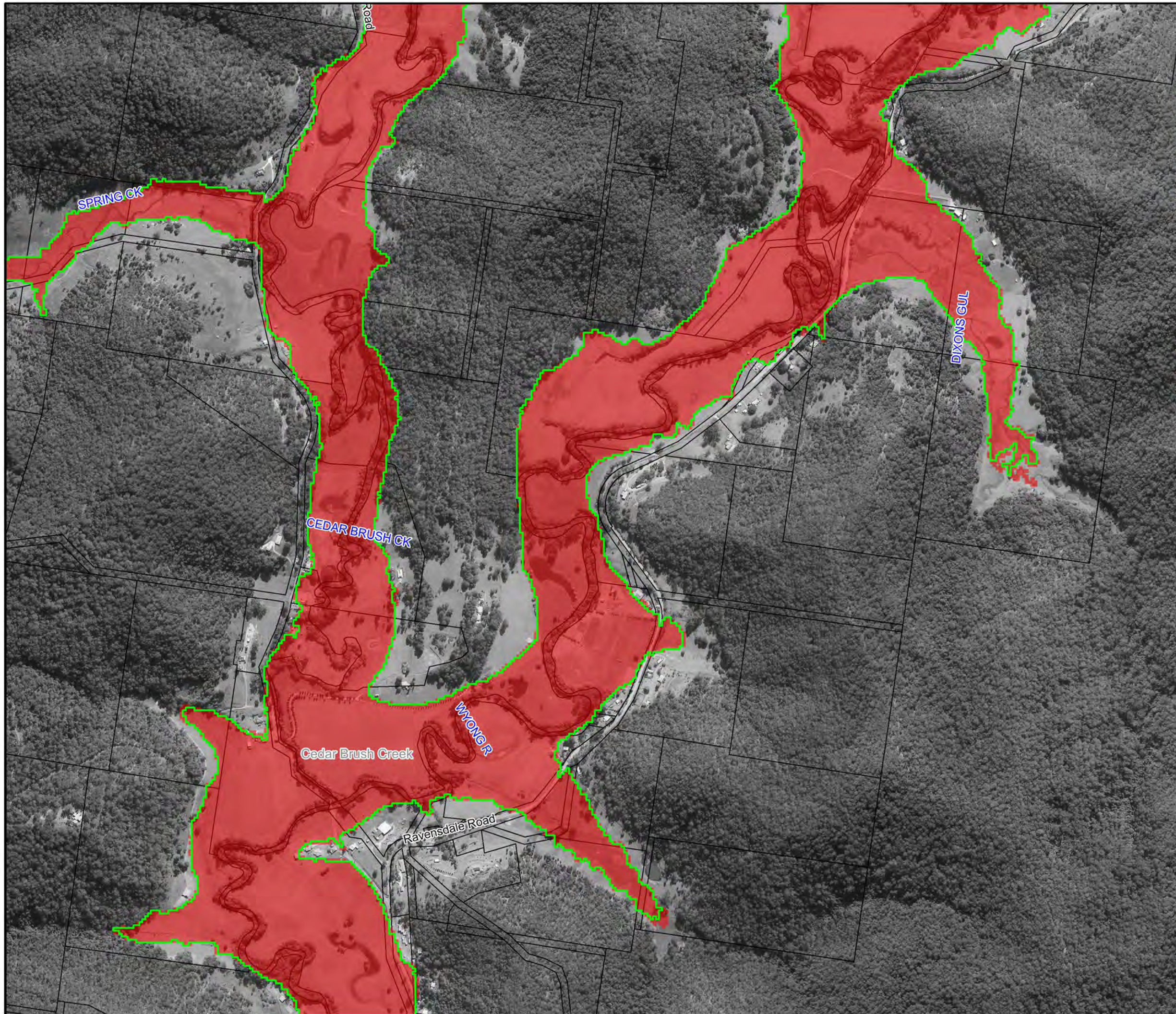


**Figure A16.4:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**



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Sydney, NSW 2000

File Name: Figure A16.4 CC15 1% AEP.wor

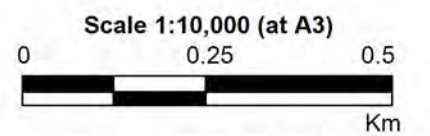





**LEGEND**

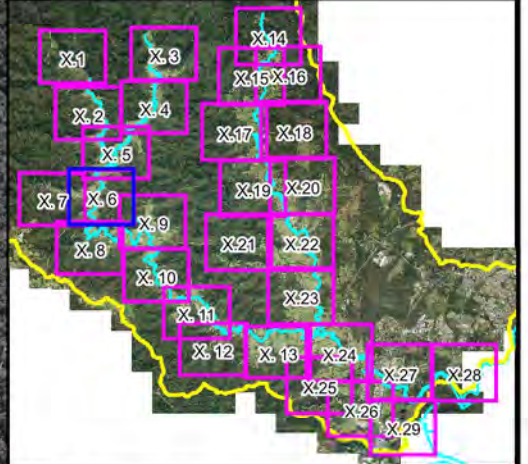
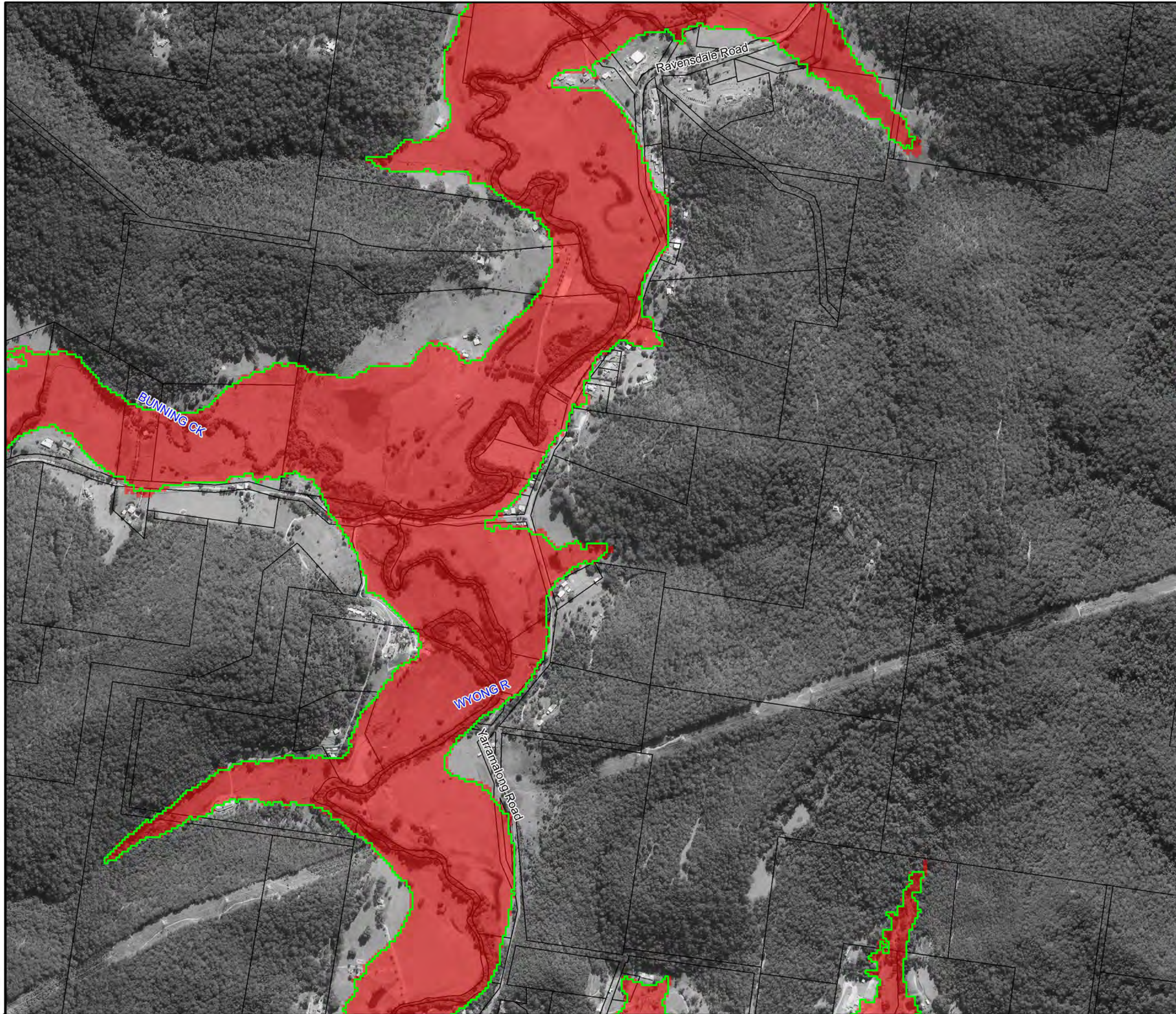
-  Existing 1% AEP Inundation Extent
-  1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.5:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

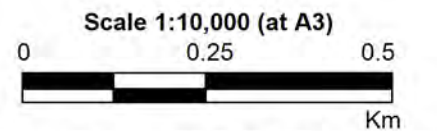
Prepared By:  
 **Catchment Simulation Solutions**  
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Sydney, NSW 2000



**LEGEND**

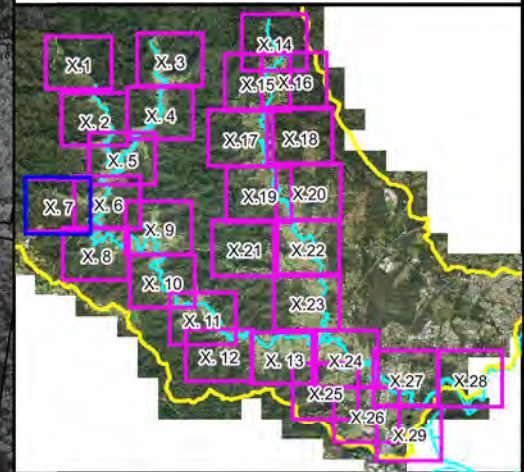
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.6:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

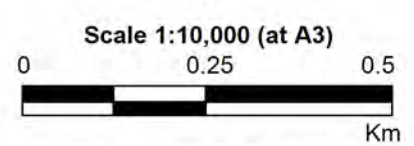
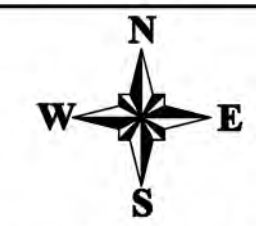
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

- Existing 1%AEP Inundation Extent
- 1%AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

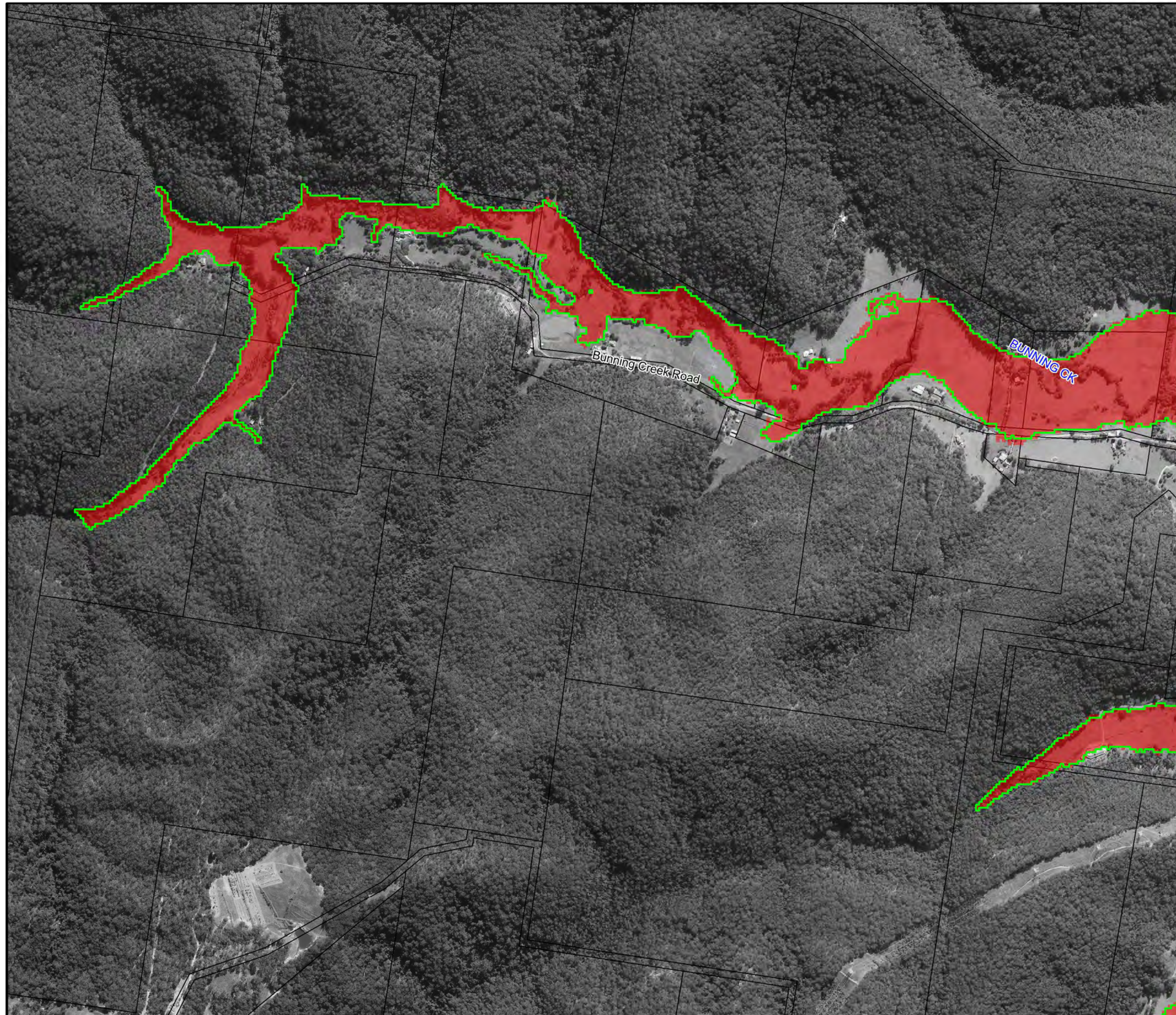
Notes:  
Aerial photograph dated 2014

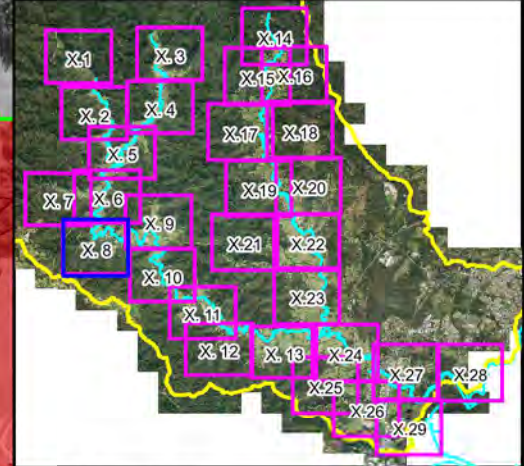


**Figure A16.7:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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File Name: Figure A16.7 CC15 1%AEP.wor

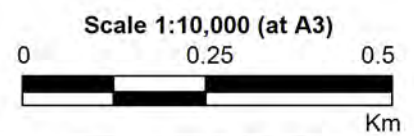




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

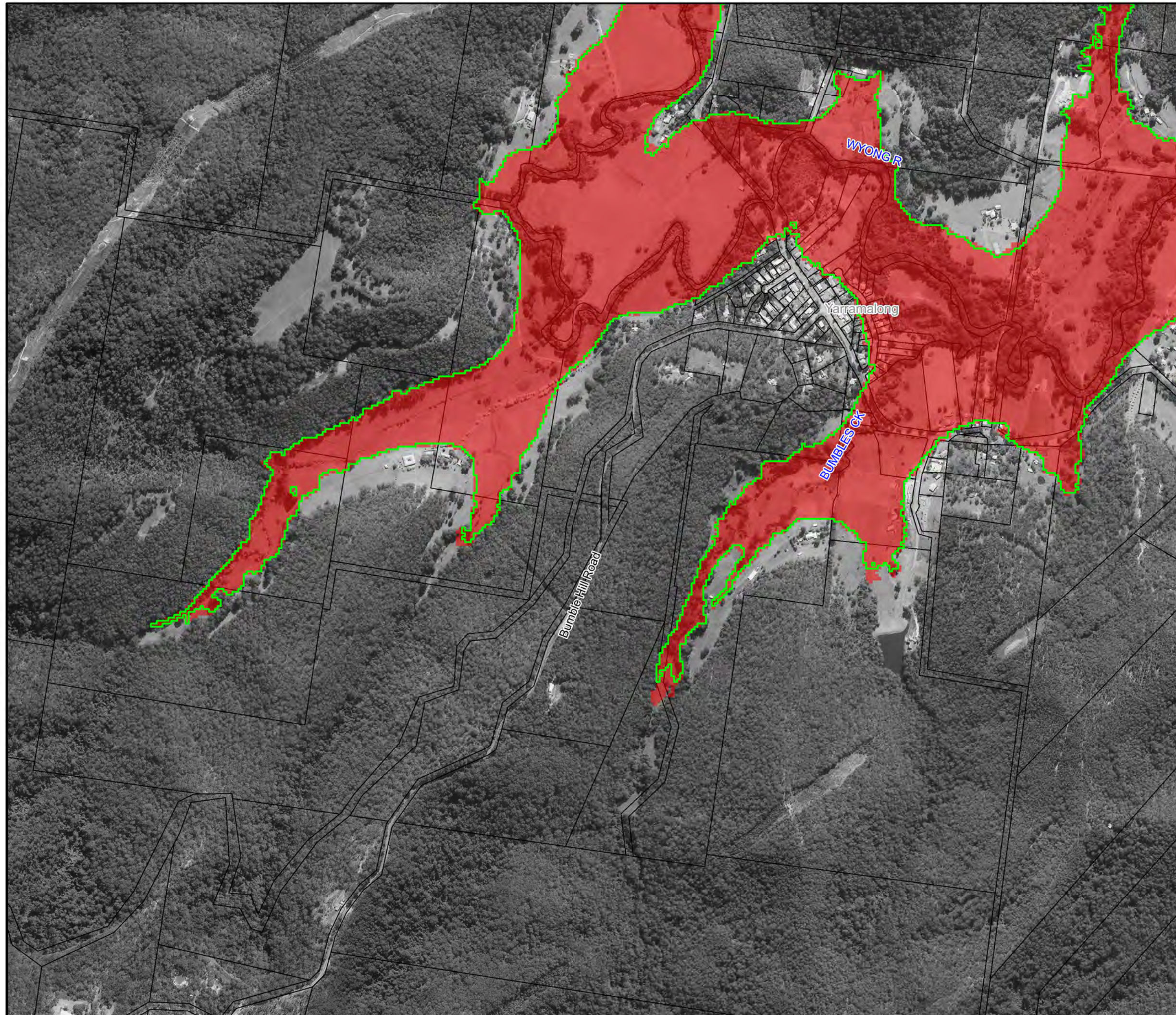
Notes:  
Aerial photograph dated 2014

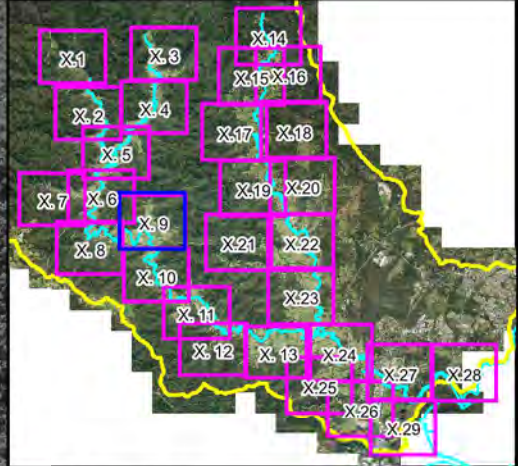
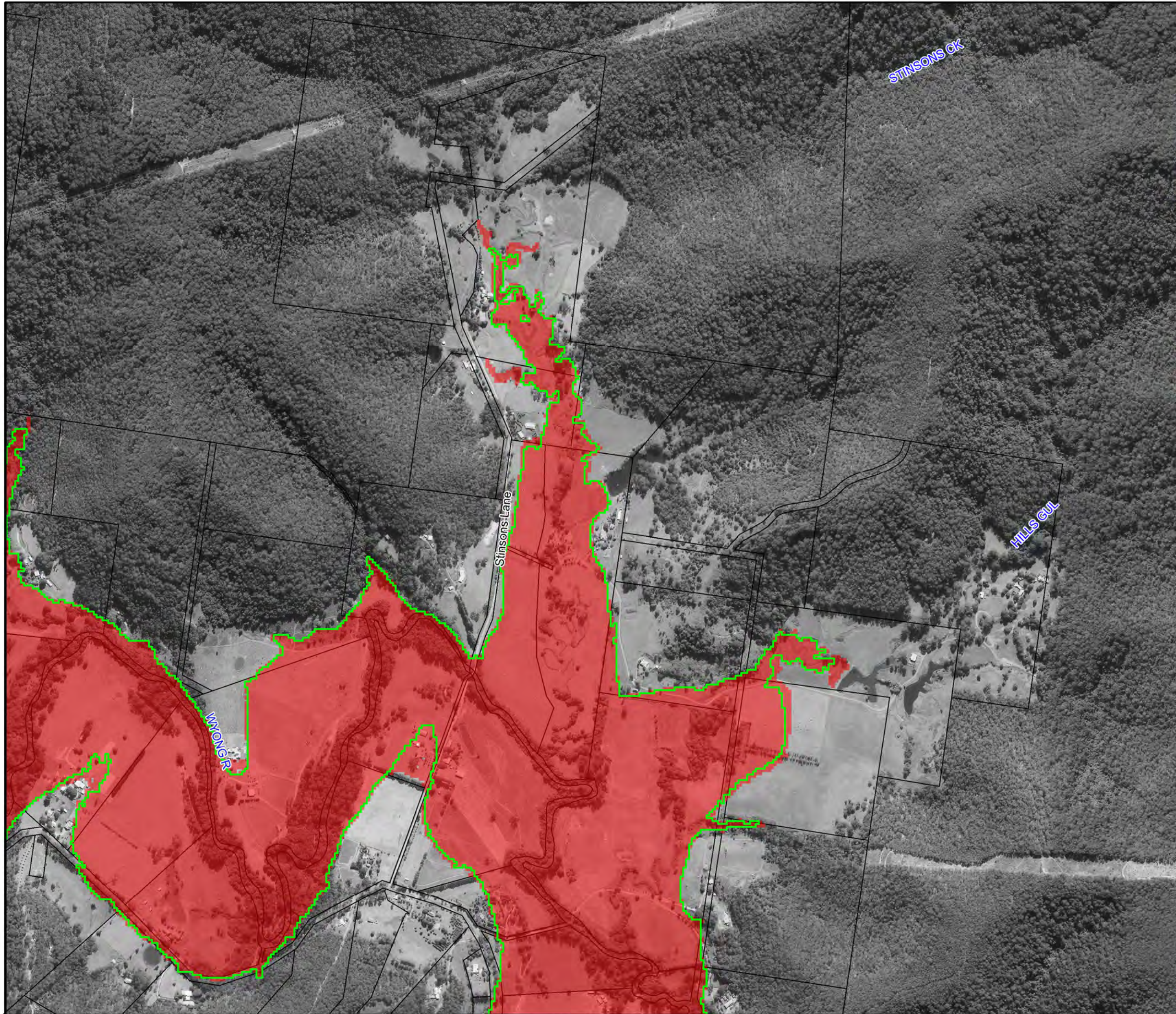


**Figure A16.8:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A16.8 CC15 1% AEP.wor

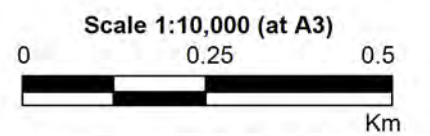




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

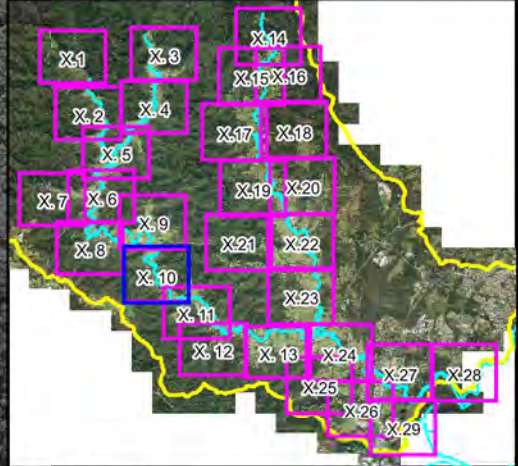
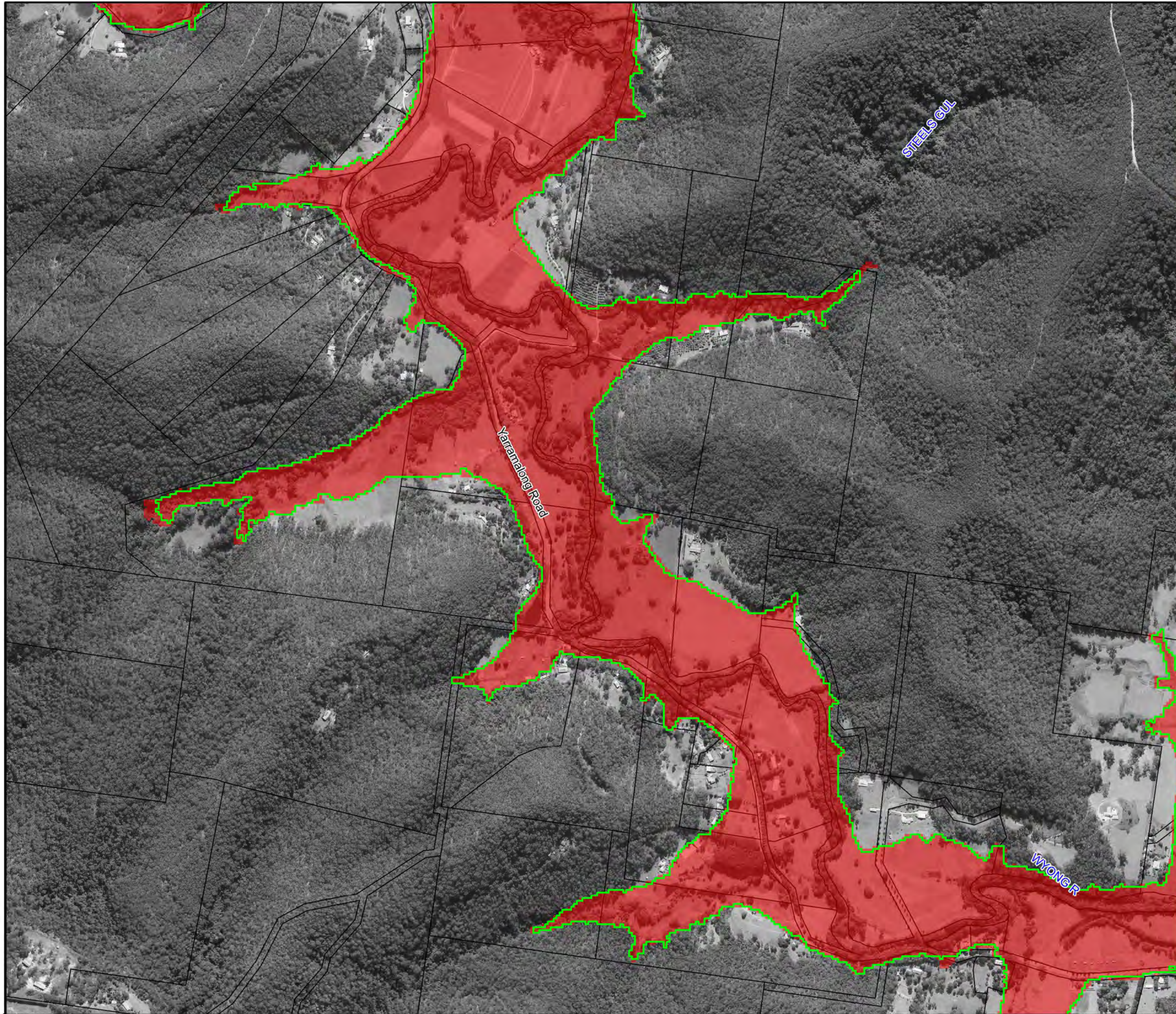
Notes:  
Aerial photograph dated 2014



**Figure A16.9:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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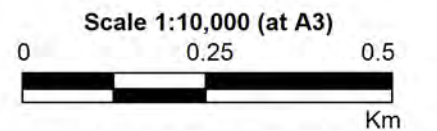




**LEGEND**

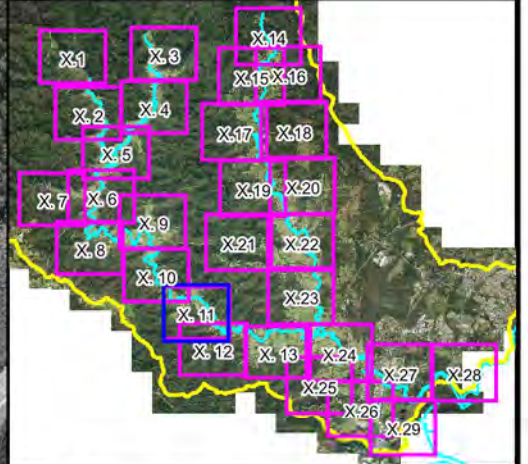
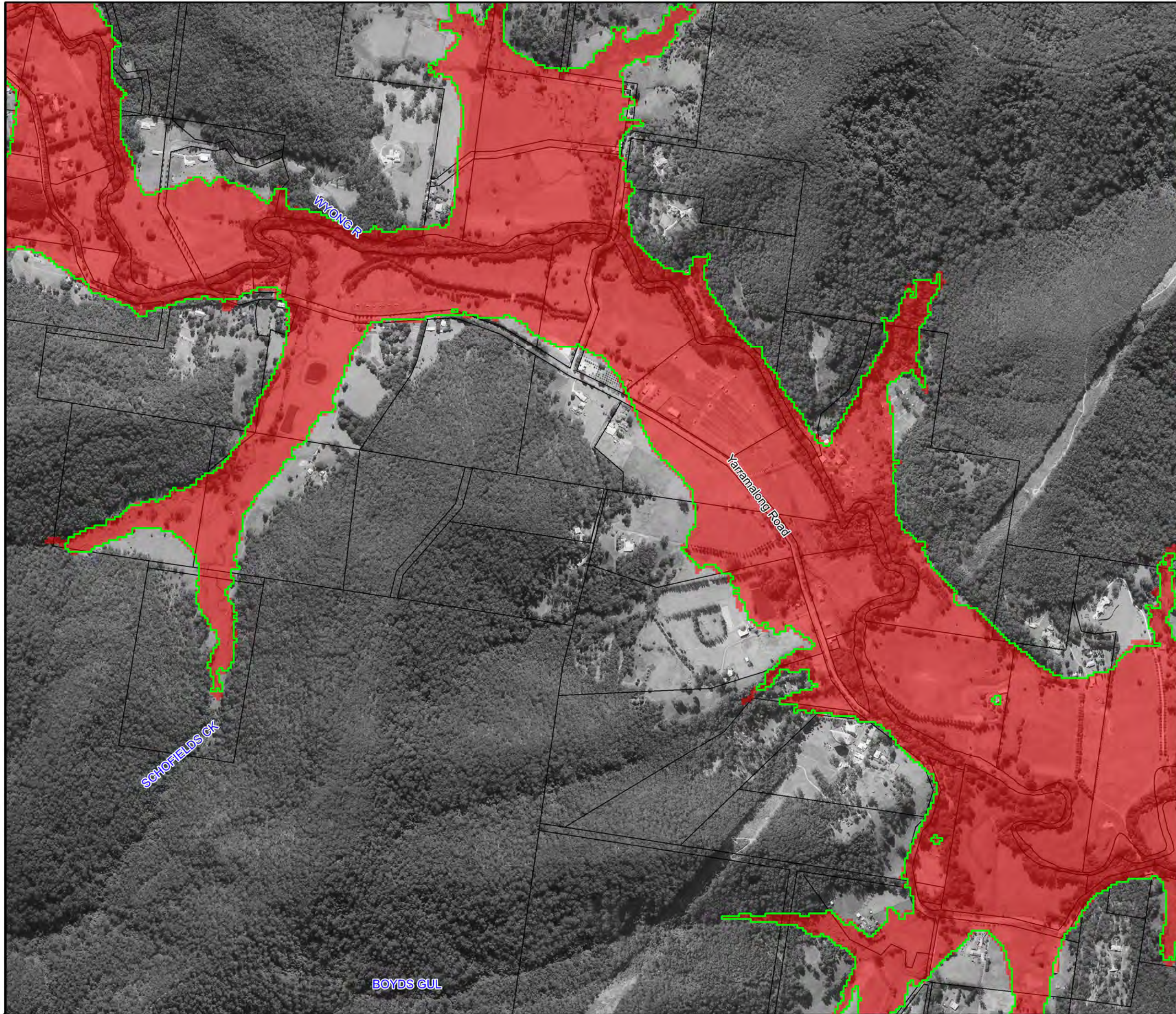
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.10:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

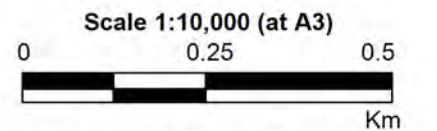
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

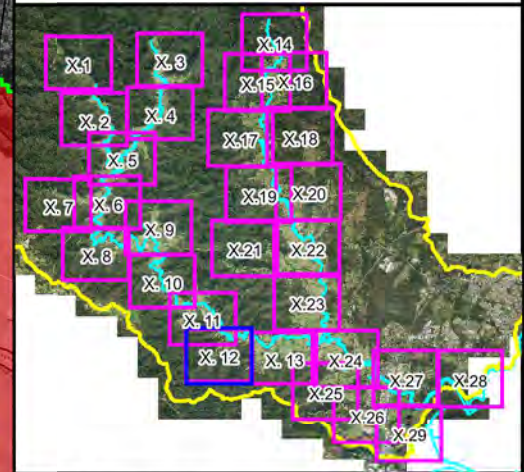
Notes:  
Aerial photograph dated 2014



**Figure A16.11:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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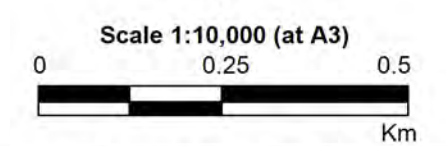
File Name: Figure A16.11 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

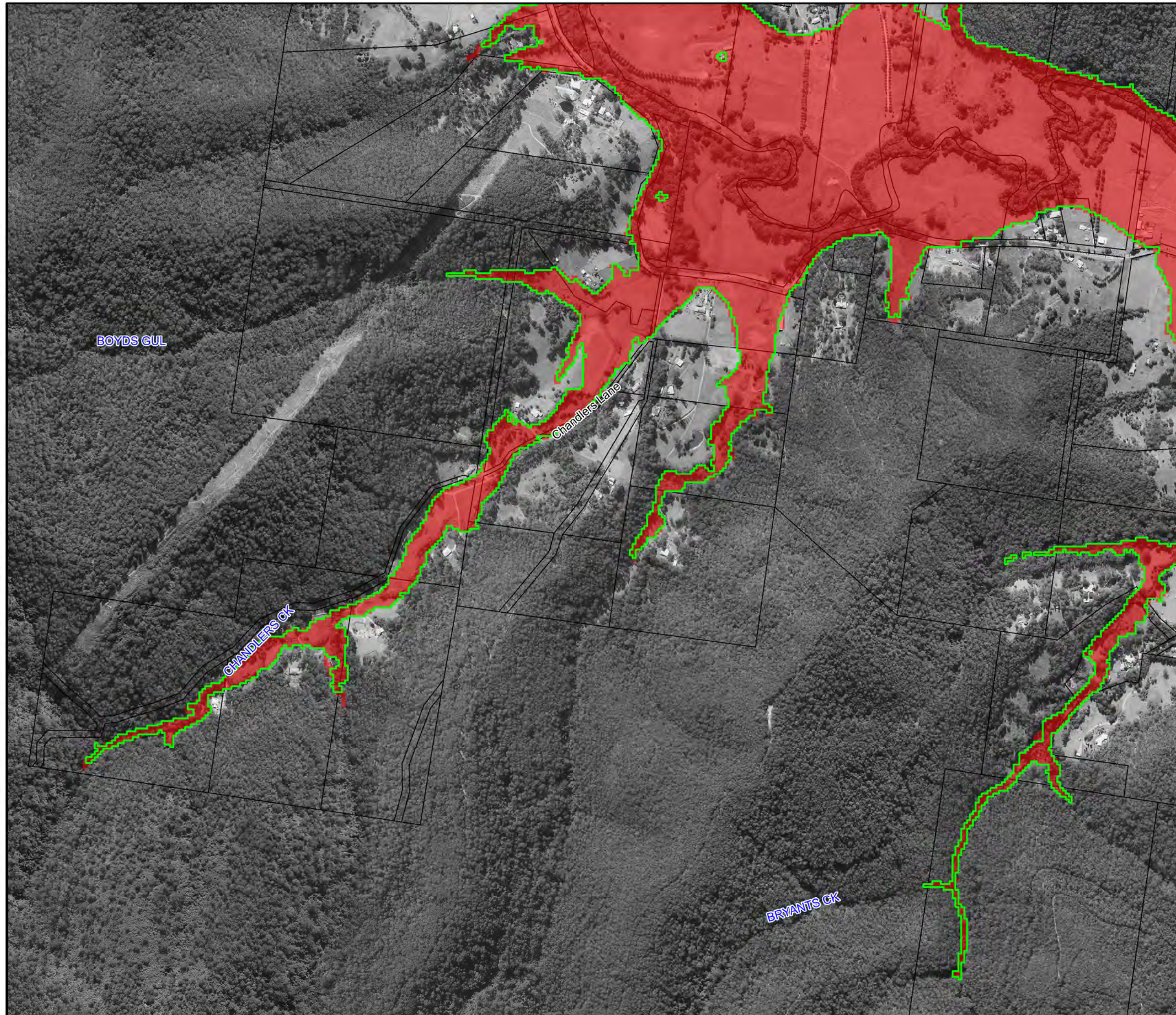
Notes:  
Aerial photograph dated 2014

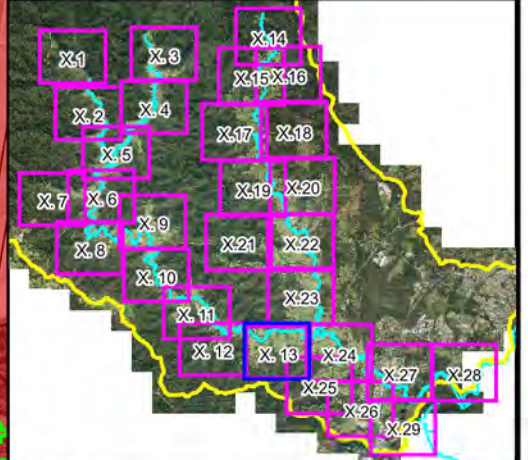
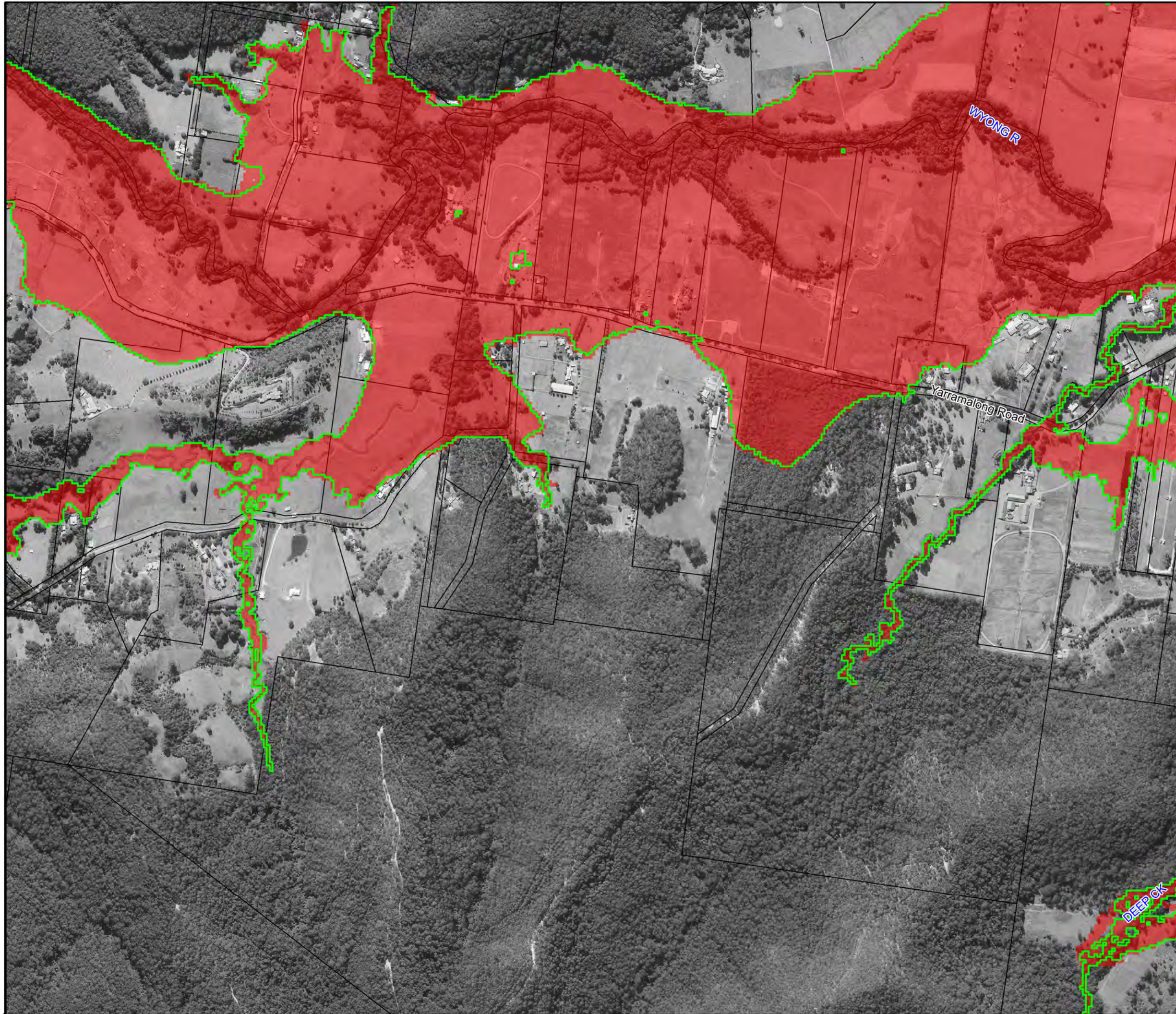


**Figure A16.12:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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Sydney, NSW 2000

File Name: Figure A16.12 CC15 1% AEP.wor

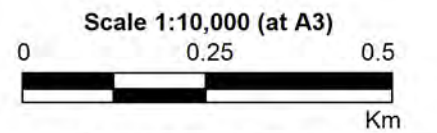




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

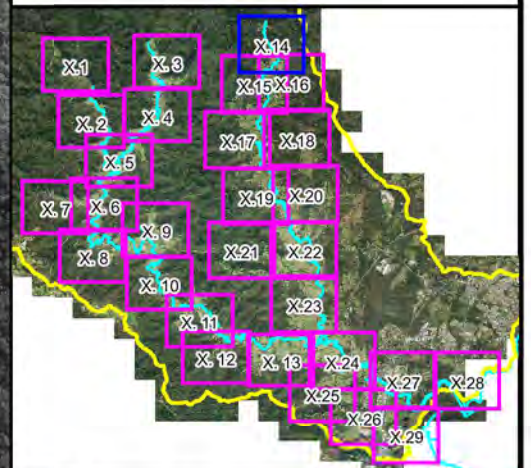
Notes:  
Aerial photograph dated 2014



**Figure A16.13:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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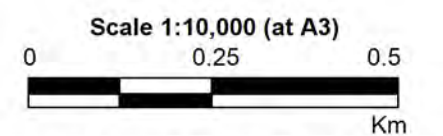
File Name: Figure A16.13 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

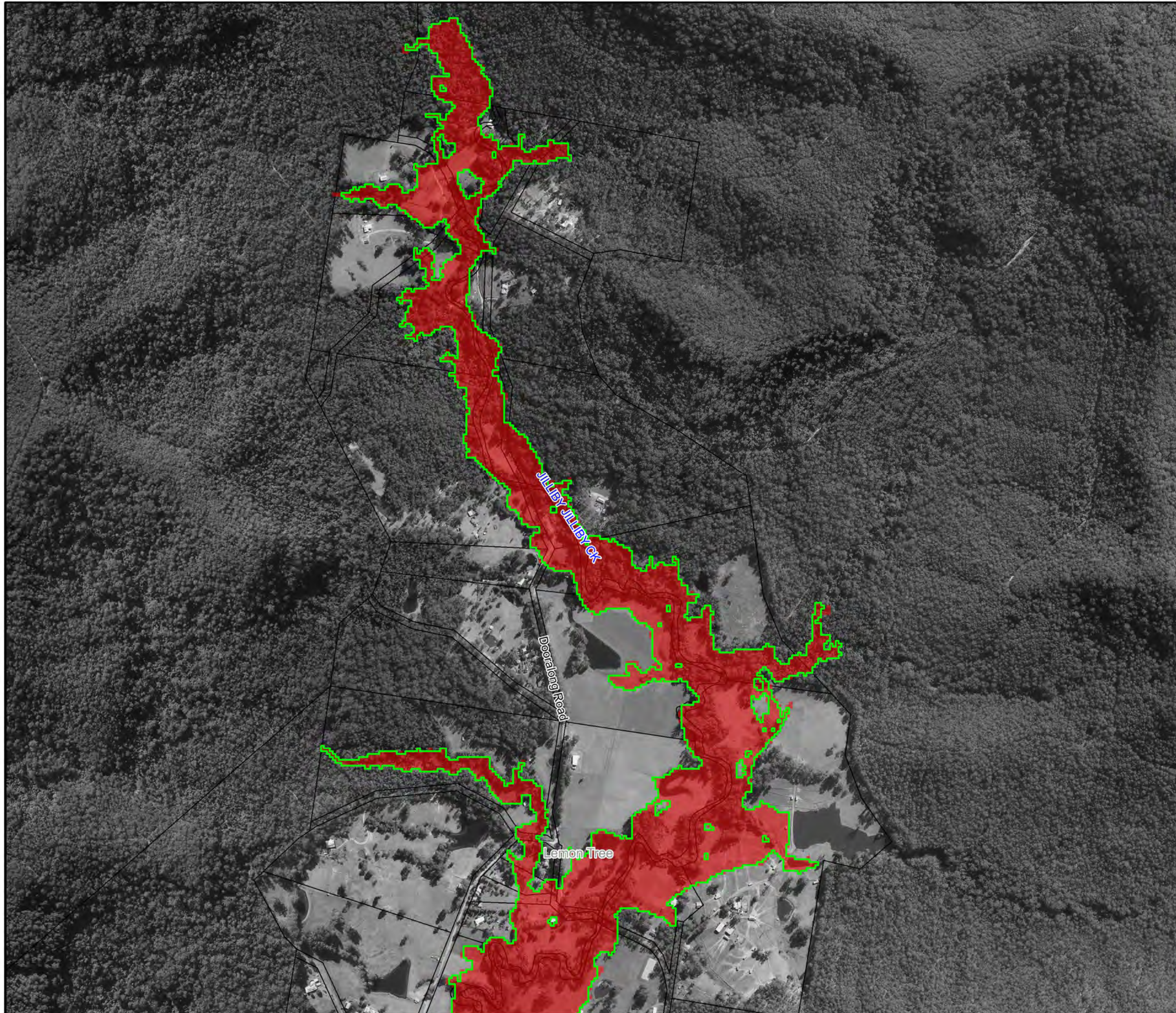
Notes:  
Aerial photograph dated 2014

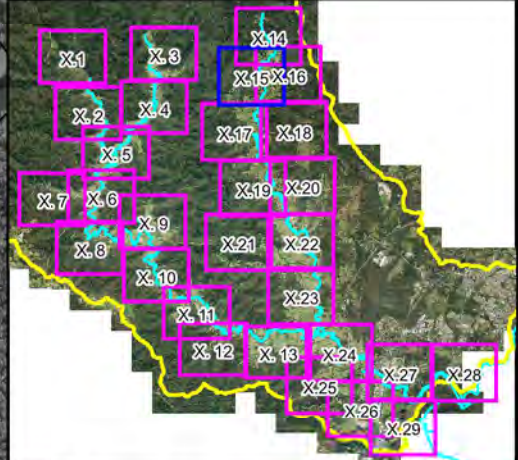
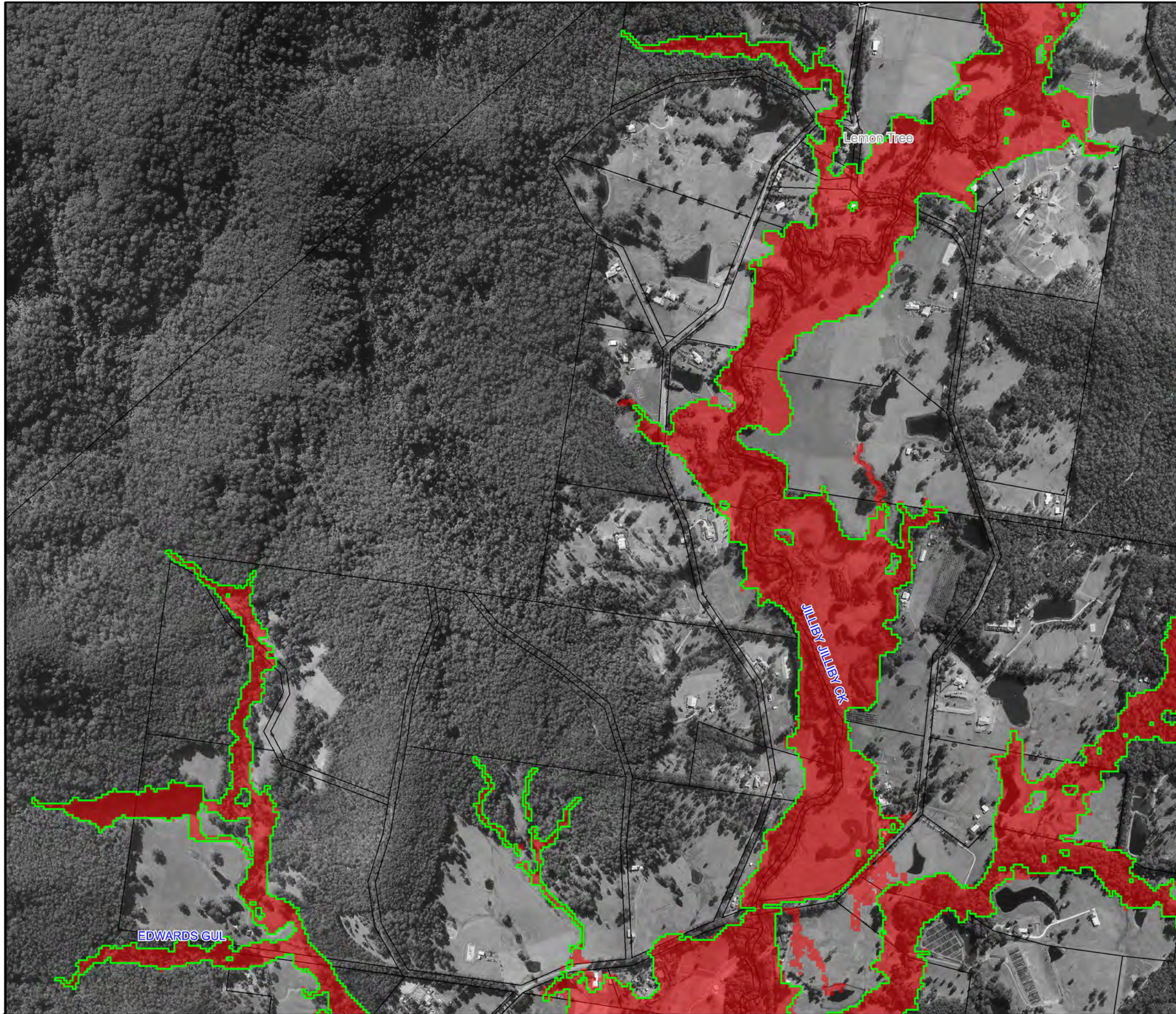


**Figure A16.14:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A16.14 CC15 1%AEP.wor

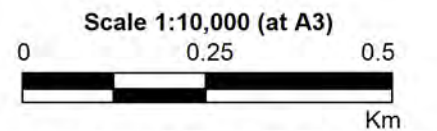




**LEGEND**

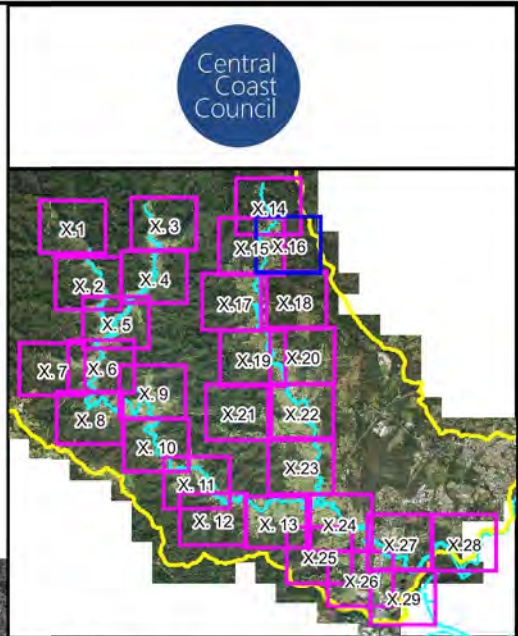
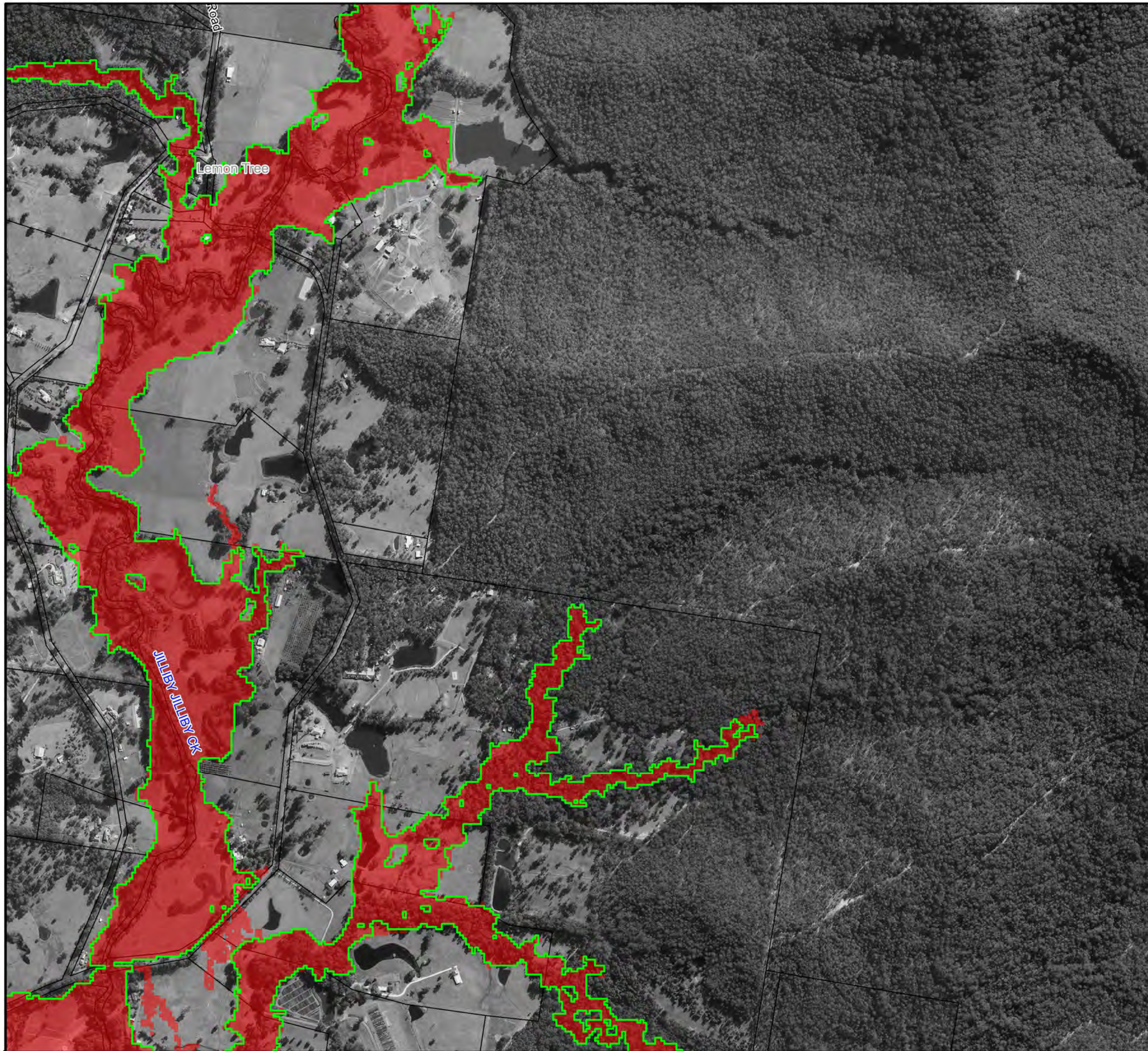
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.15:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

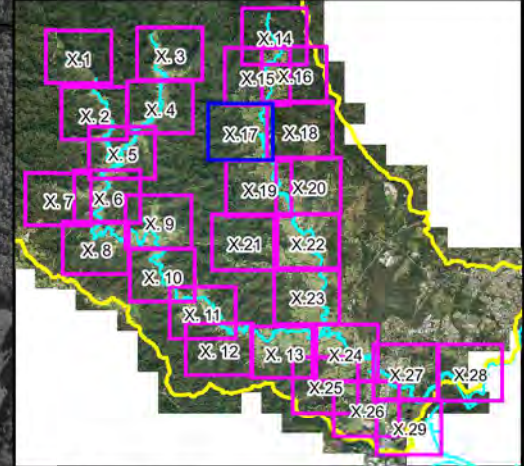


**Figure A16.16:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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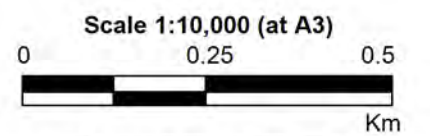
File Name: Figure A16.16 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

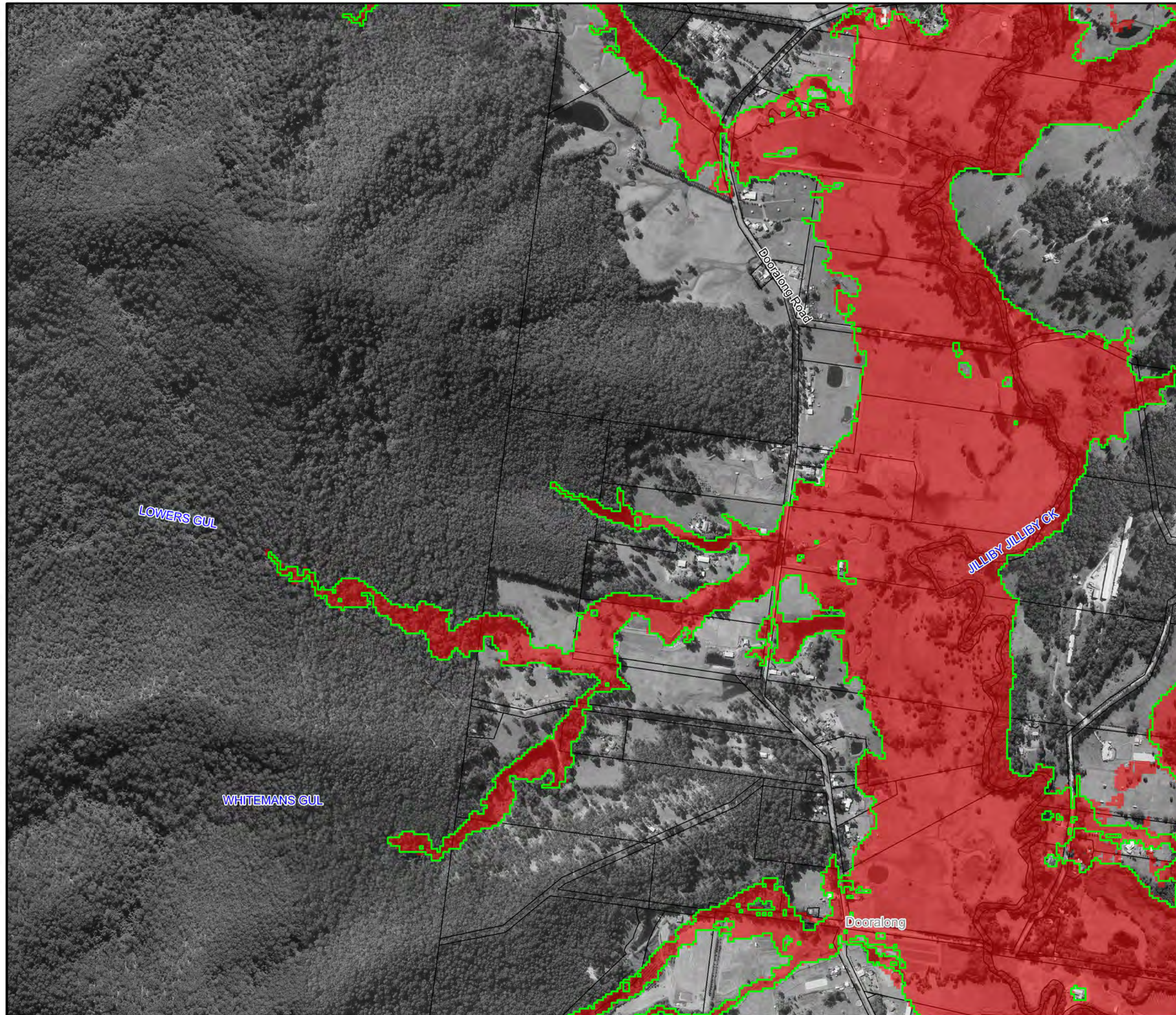
Notes:  
Aerial photograph dated 2014



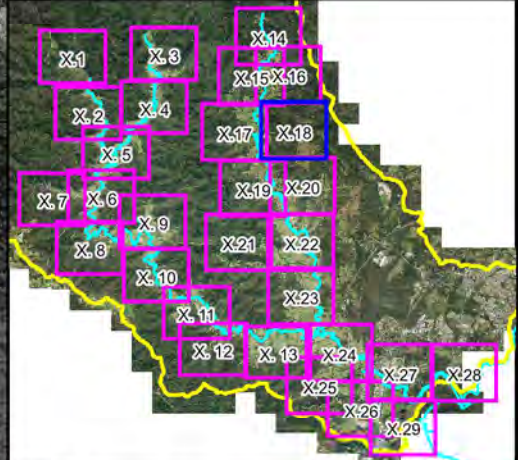
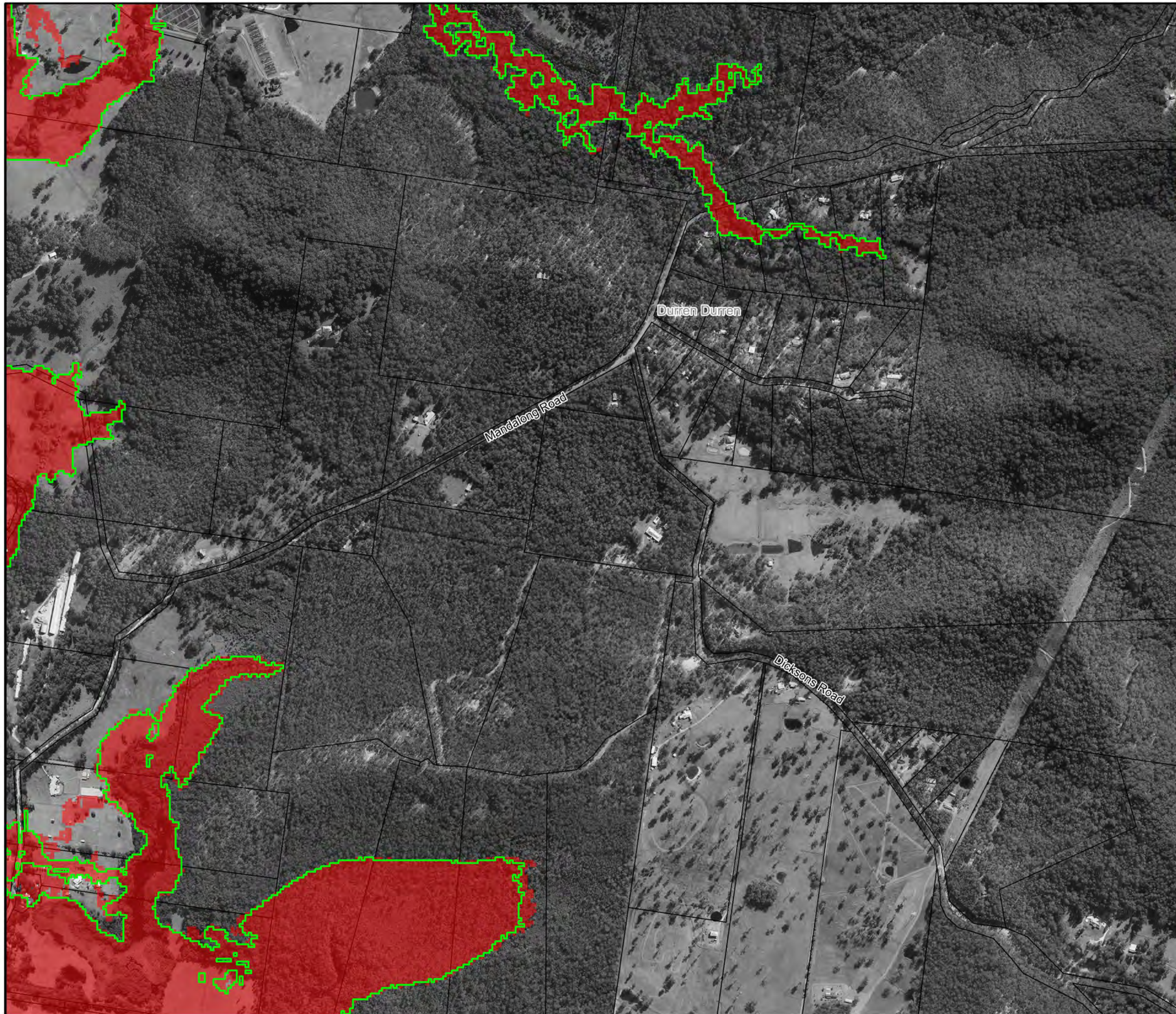
**Figure A16.17:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A16.17 CC15 1% AEP.wor



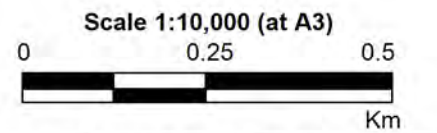




**LEGEND**

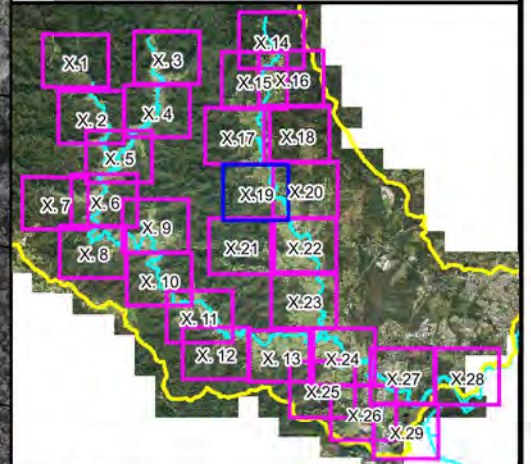
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.18:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

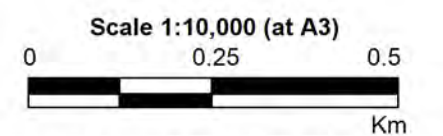
Prepared By:  
**Catchment Simulation Solutions**  
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 Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

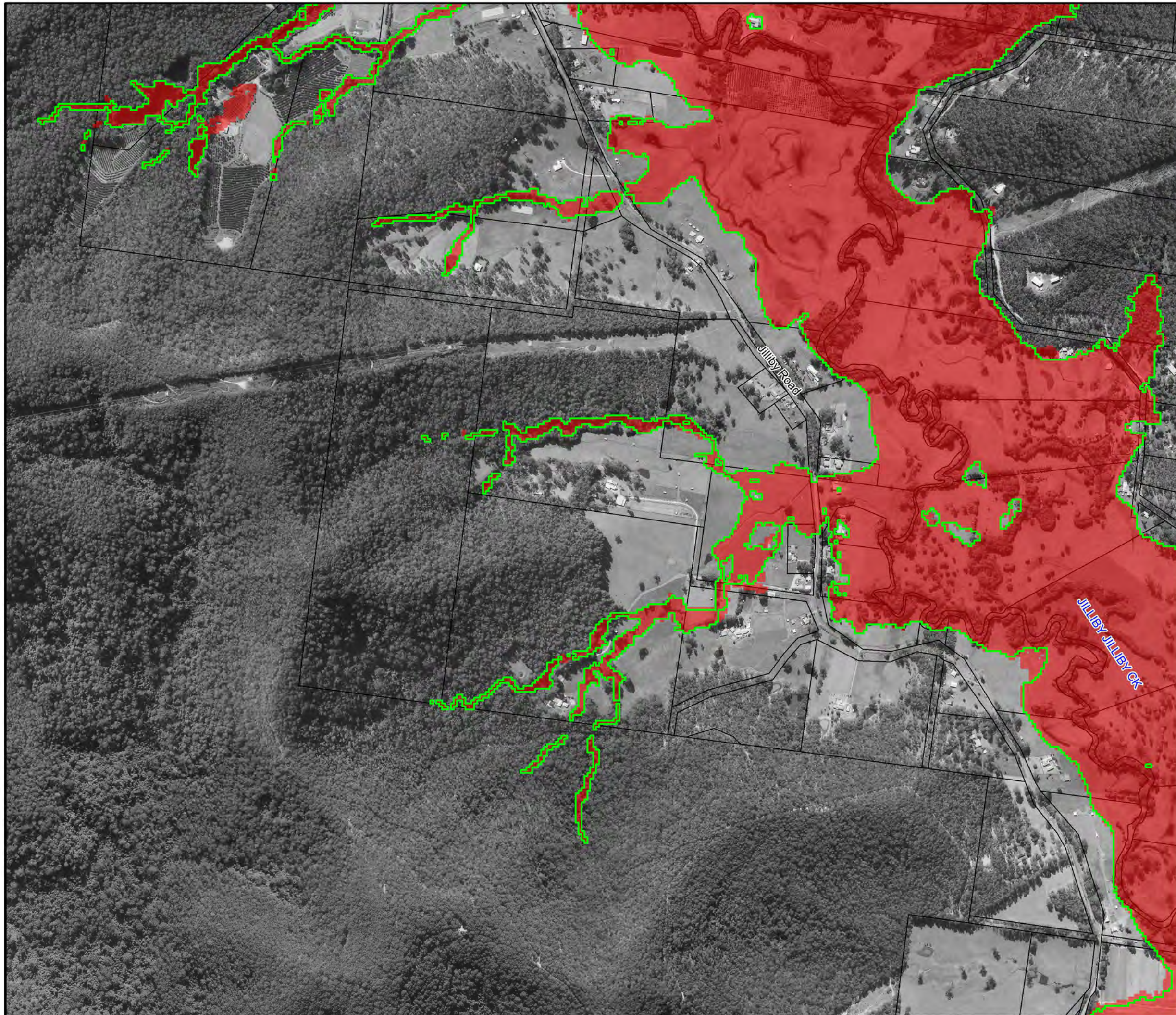
Notes:  
Aerial photograph dated 2014

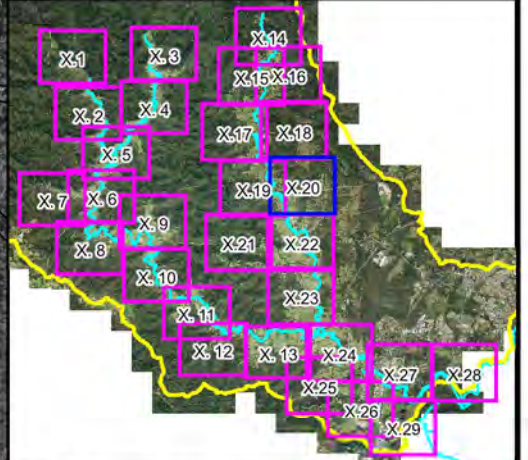


**Figure A16.19:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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Sydney, NSW 2000

File Name: Figure A16.19 CC15 1% AEP.wor

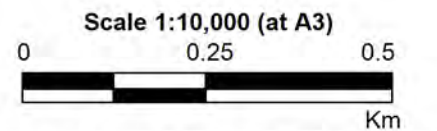




**LEGEND**

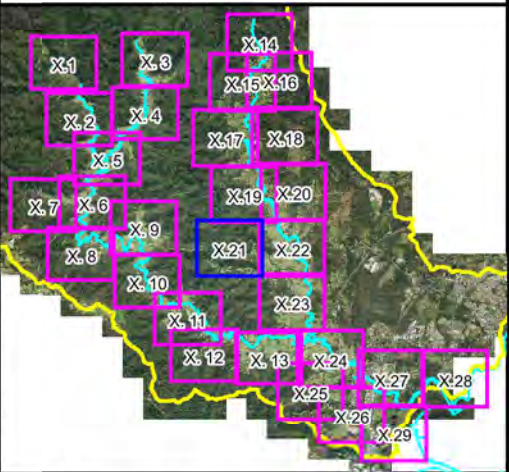
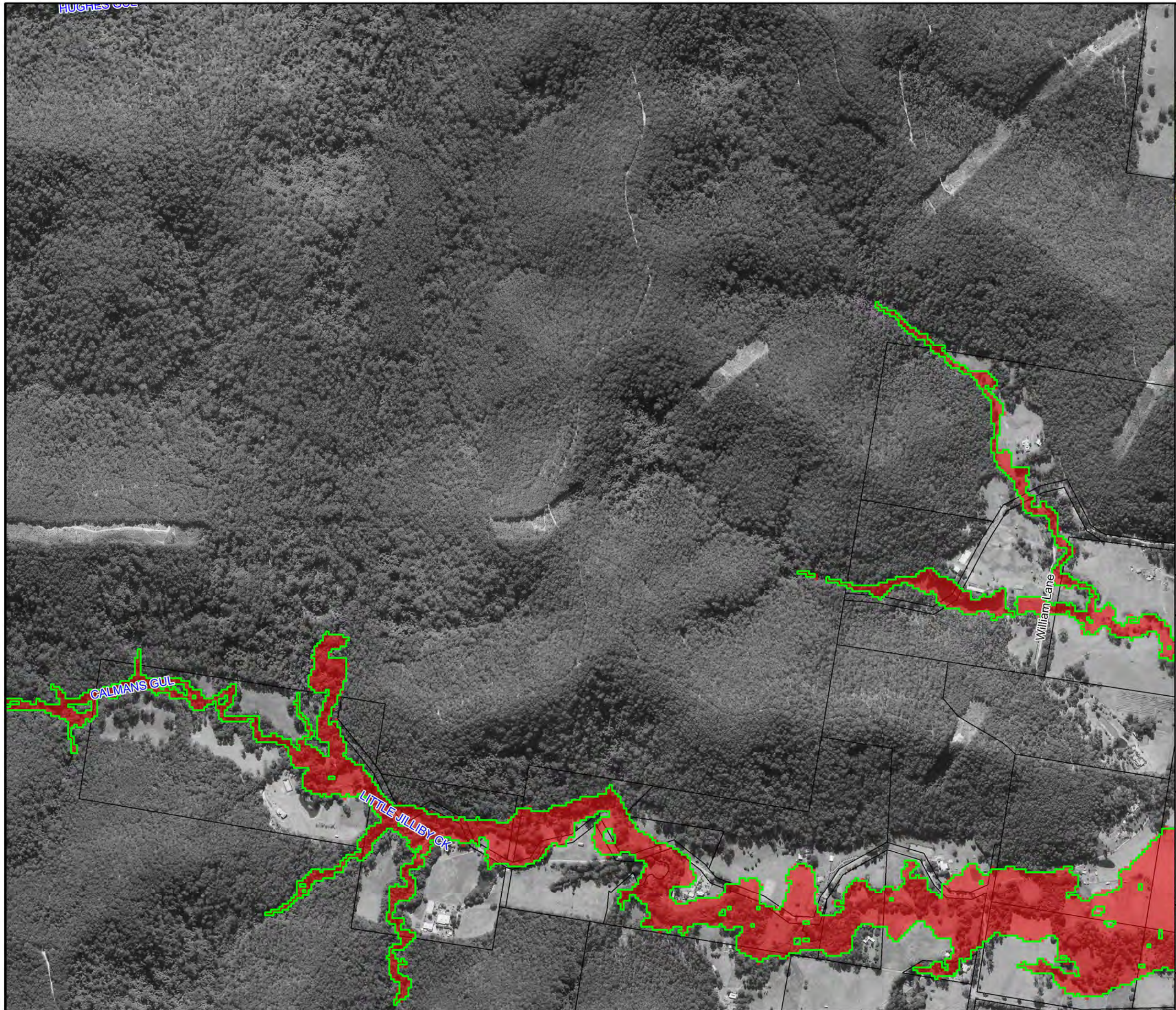
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.20:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

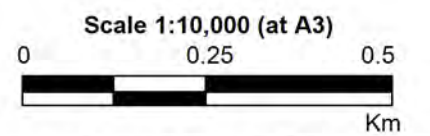
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

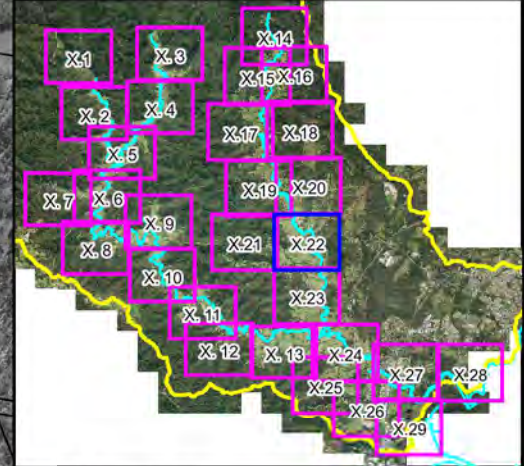
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.21:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

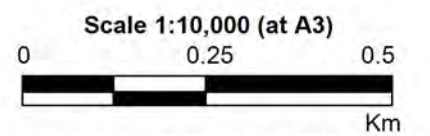
Prepared By:  
**Catchment Simulation Solutions**  
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Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

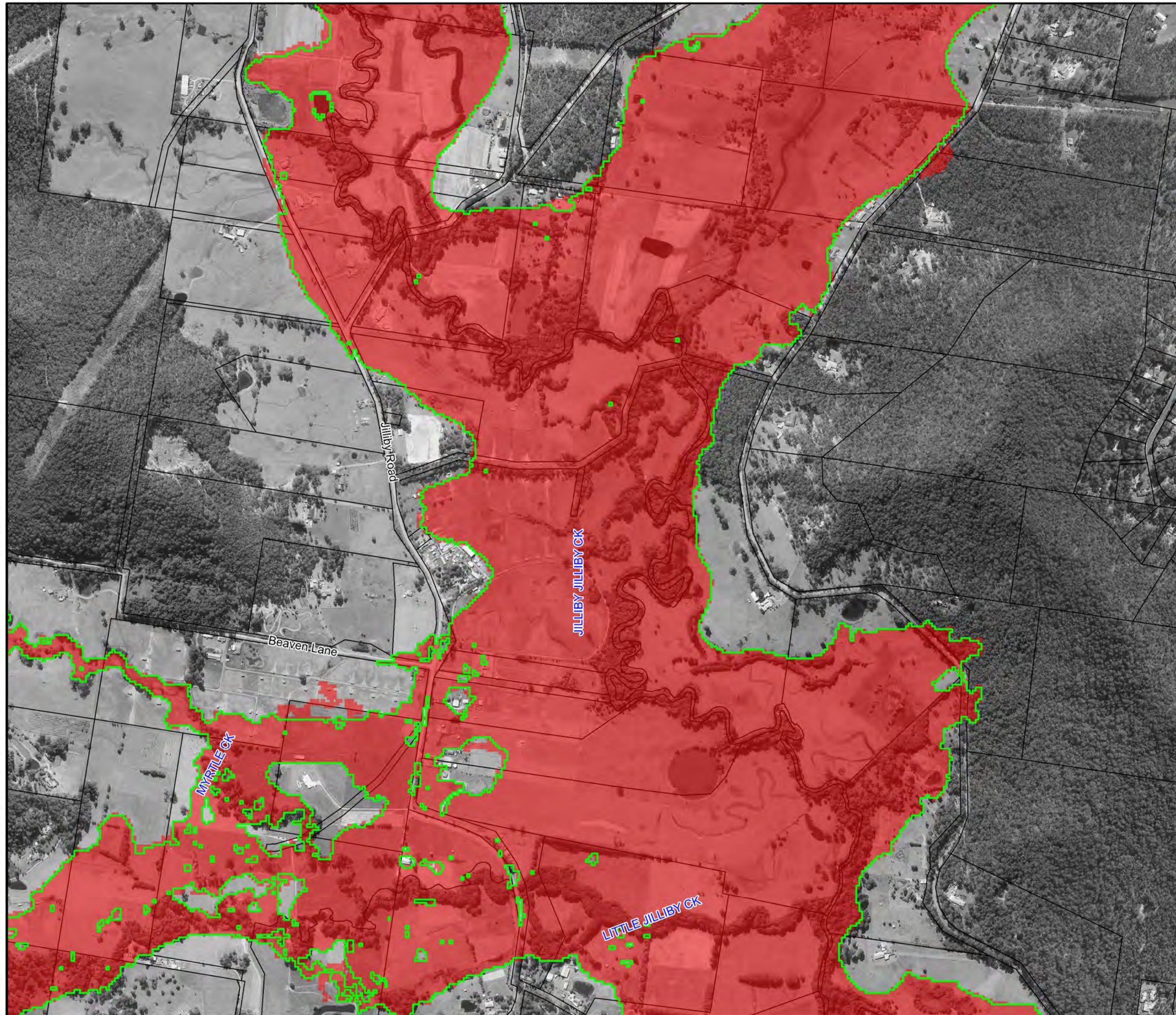
Notes:  
Aerial photograph dated 2014

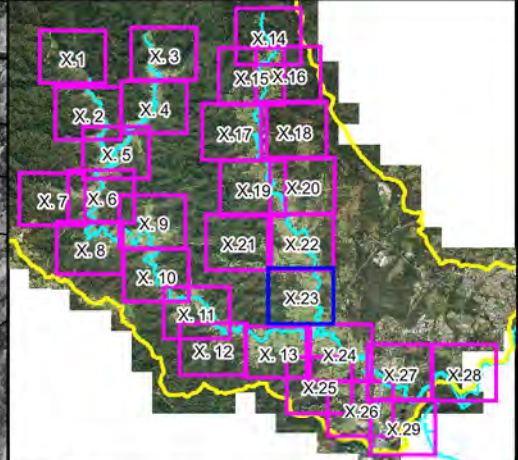


**Figure A16.22:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A16.22 CC15 1% AEP.wor

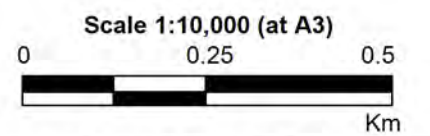




**LEGEND**

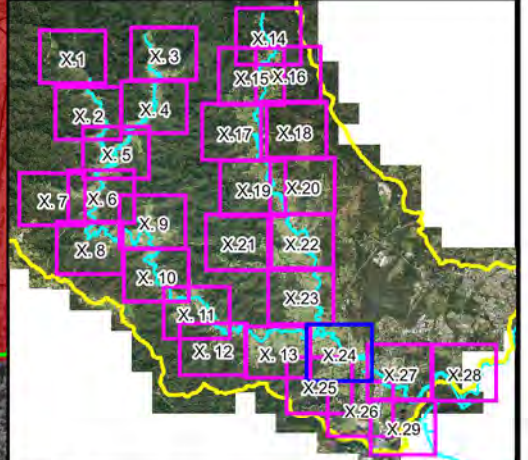
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.23:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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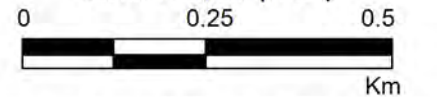
**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

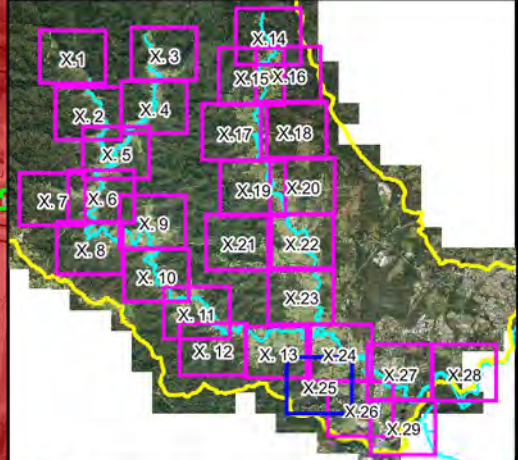
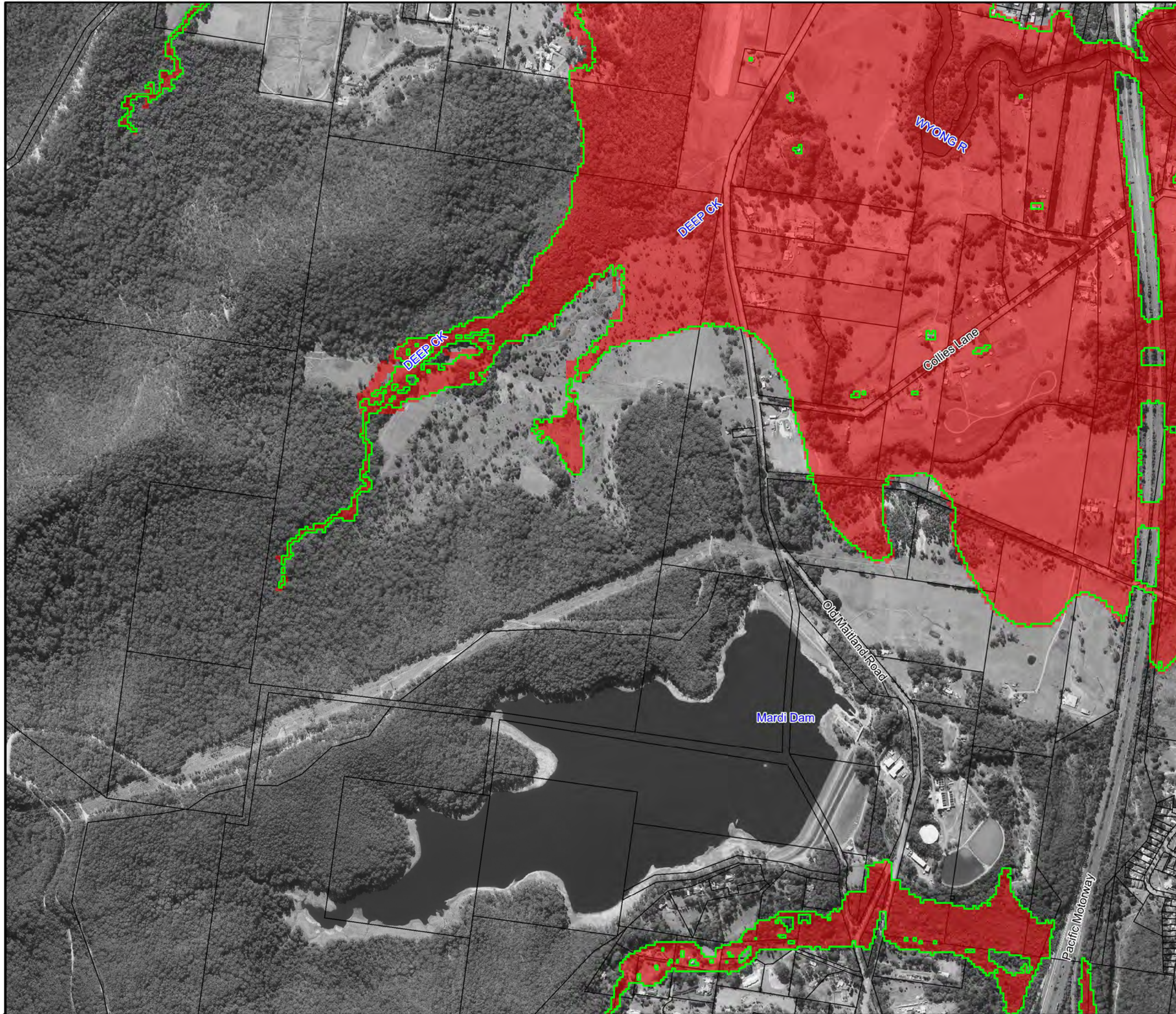


**Figure A16.24:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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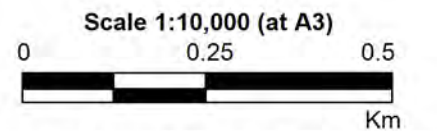
File Name: Figure A16.24 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014

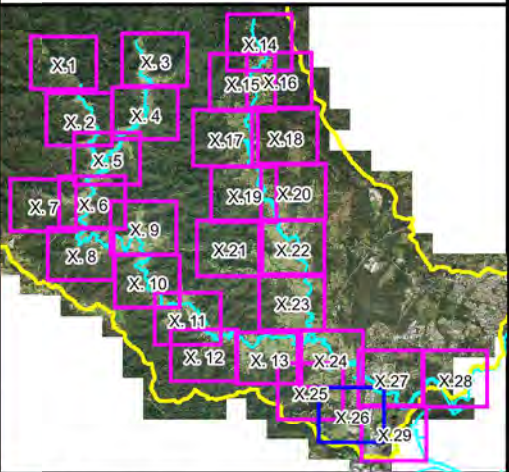


**Figure A16.25:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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File Name: Figure A16.25 CC15 1% AEP.wor

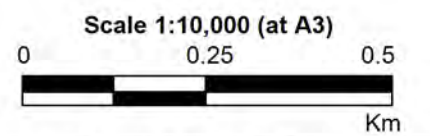




**LEGEND**

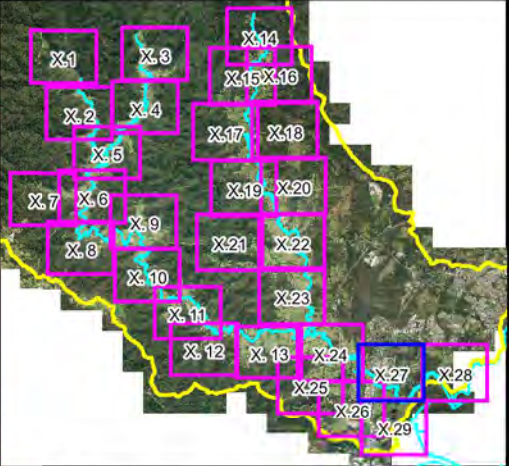
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.26:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

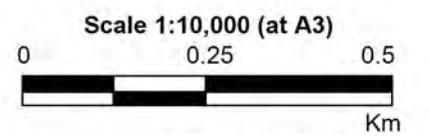
Prepared By:  
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**LEGEND**

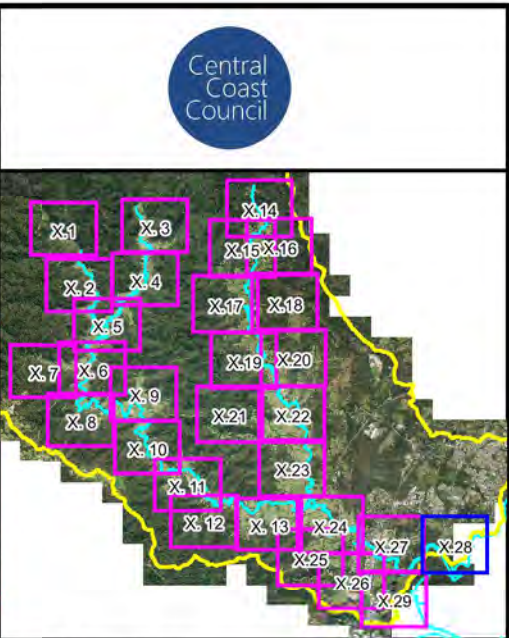
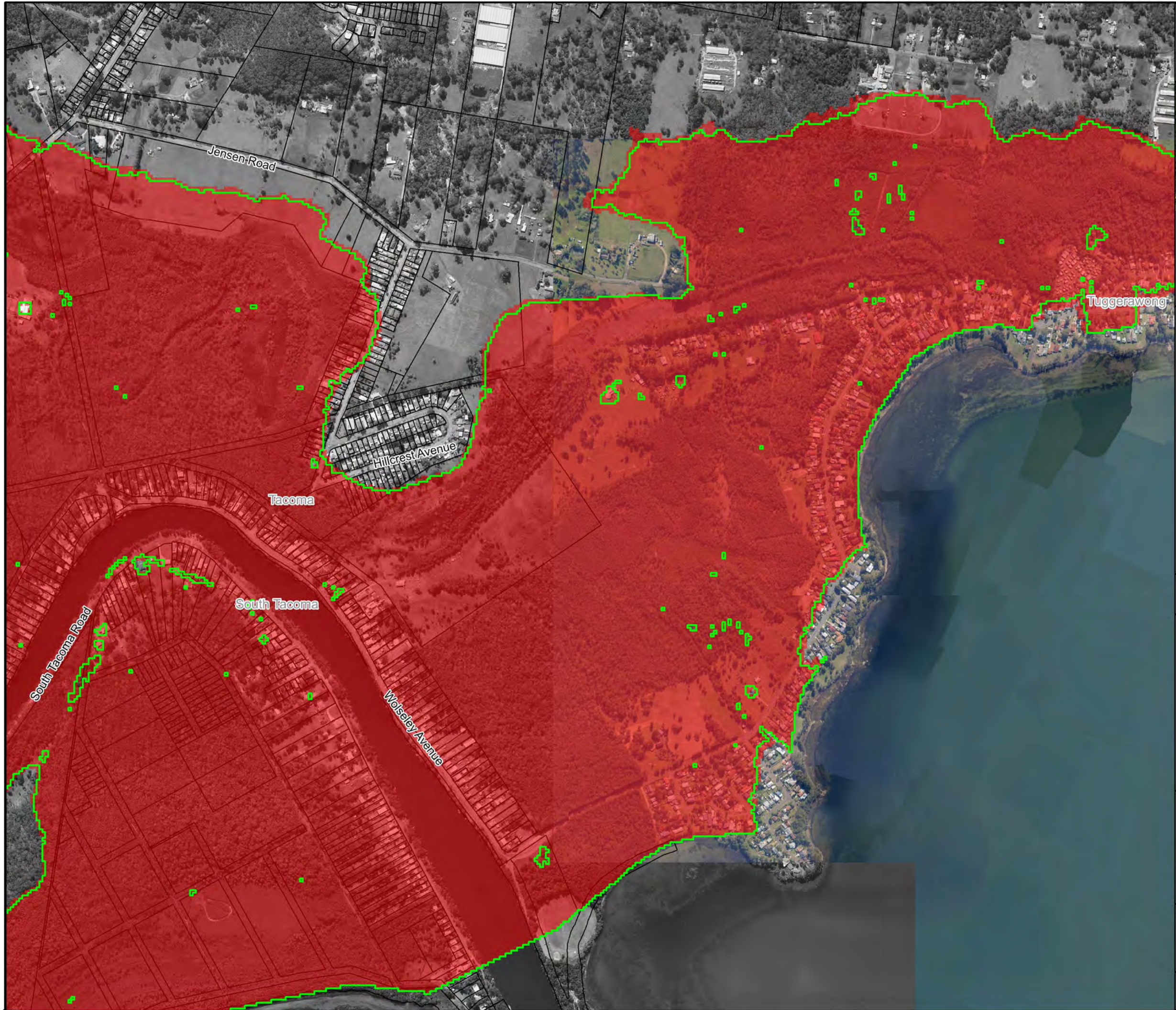
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A16.27:**  
**Peak 1% AEP Flood**  
**Extent 15% increase in**  
**Rainfall & 0.4m Increase**  
**in Tuggerah Lake Level**

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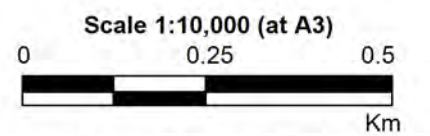


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**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

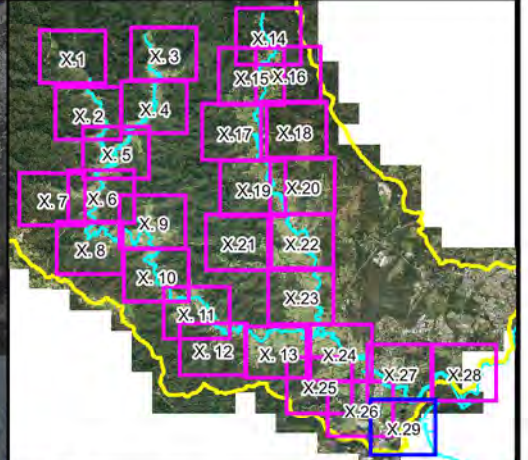
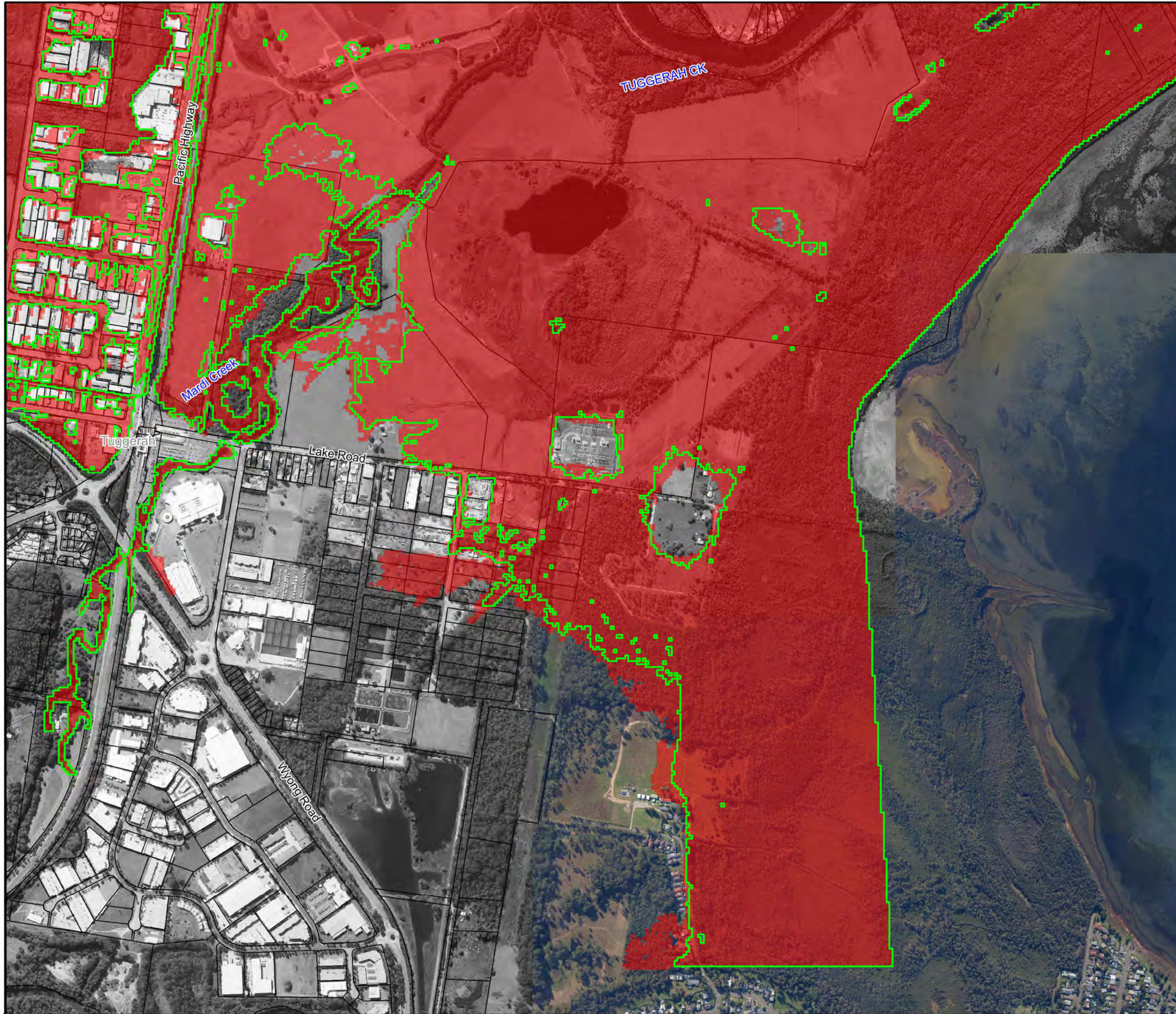
Notes:  
Aerial photograph dated 2014



**Figure A16.28:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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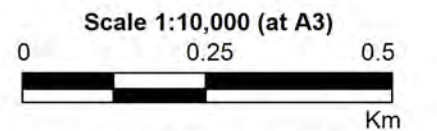
File Name: Figure A16.28 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

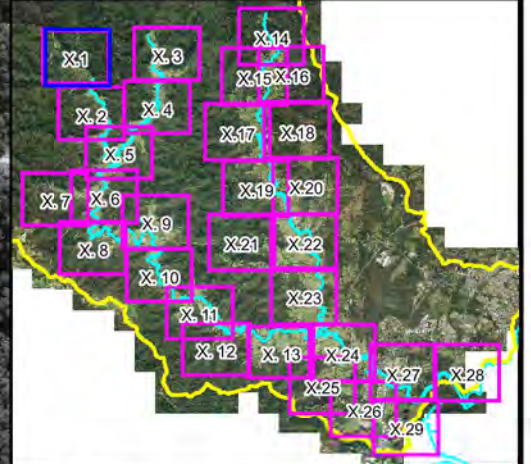
Notes:  
Aerial photograph dated 2014



**Figure A16.29:  
Peak 1% AEP Flood  
Extent 15% increase in  
Rainfall & 0.4m Increase  
in Tuggerah Lake Level**

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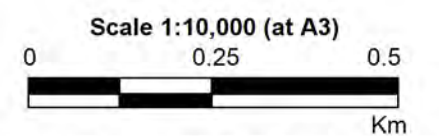
File Name: Figure A16.29 CC15 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

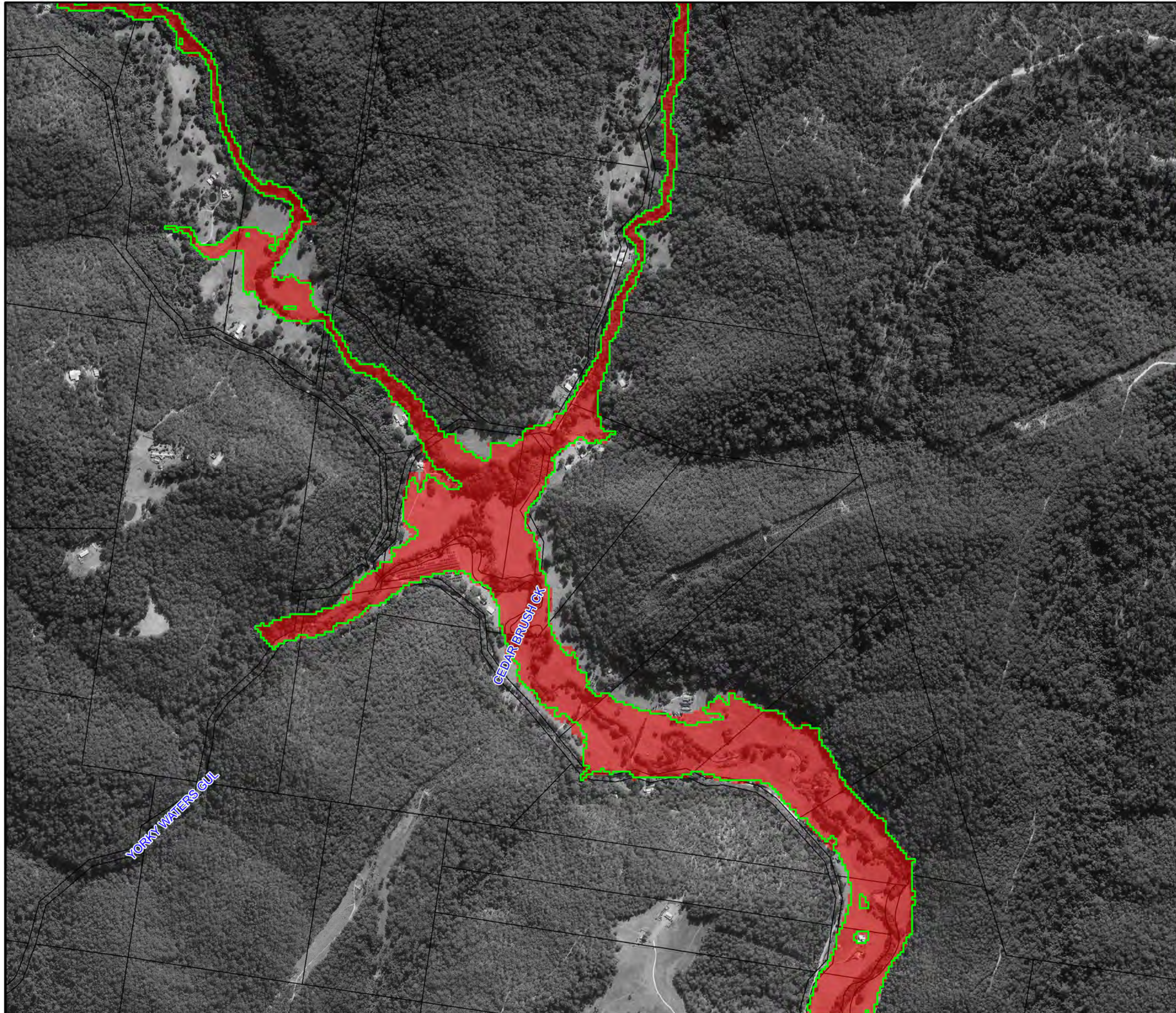
Notes:  
Aerial photograph dated 2014

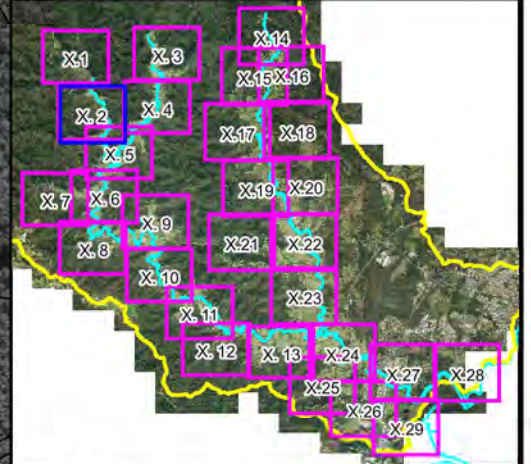


**Figure A17.1:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.1 CC30 1%AEP.wor

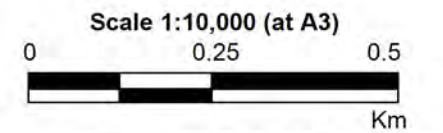




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

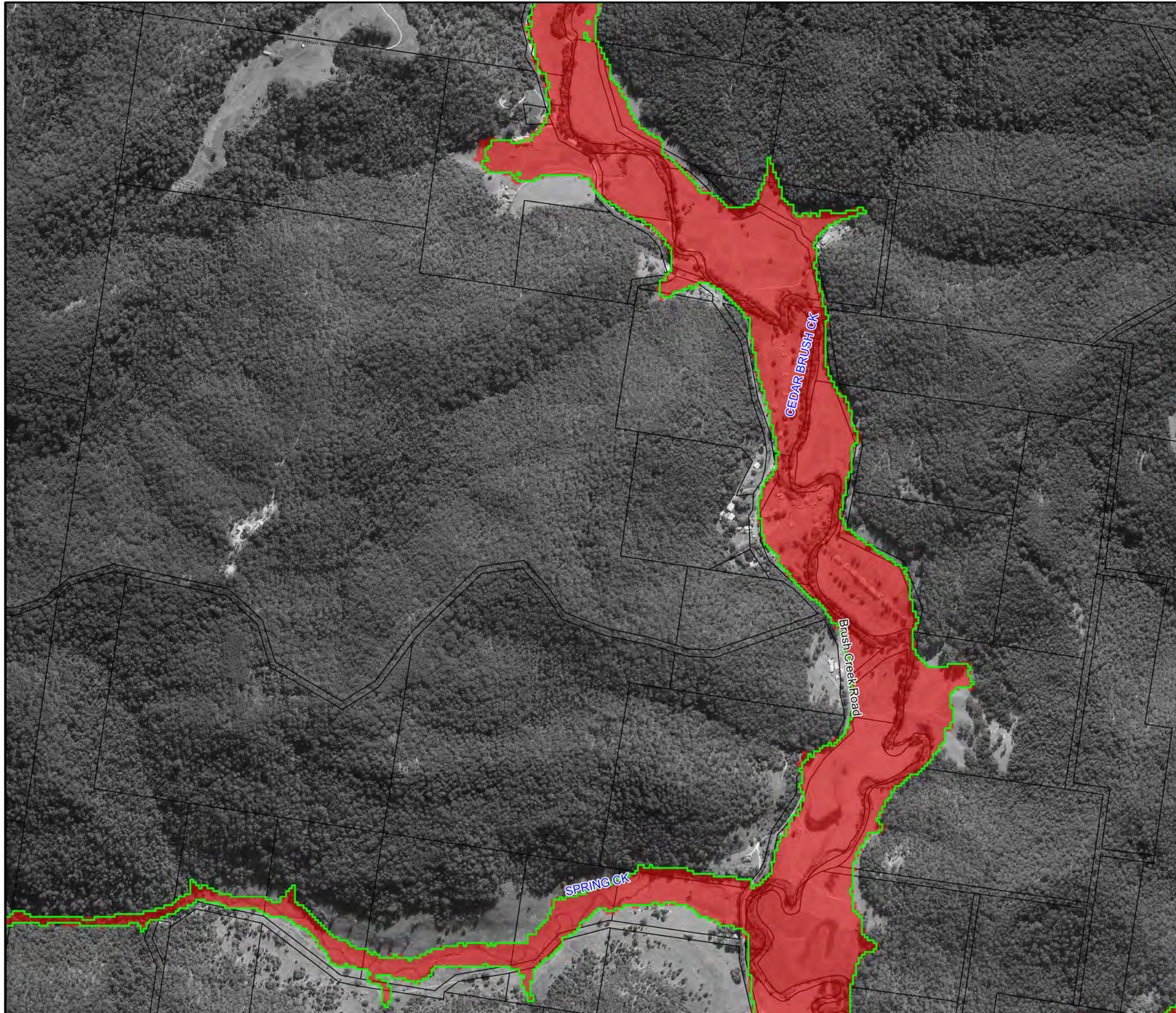
Notes:  
Aerial photograph dated 2014

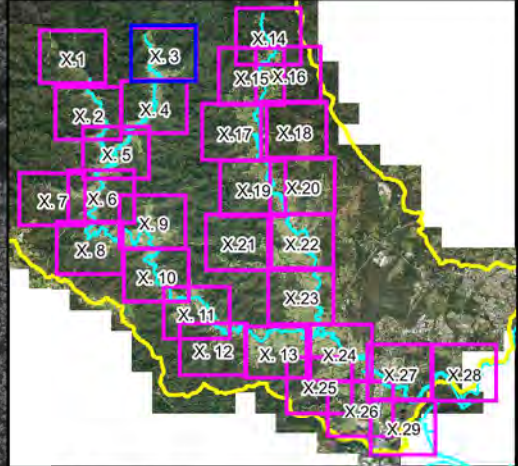
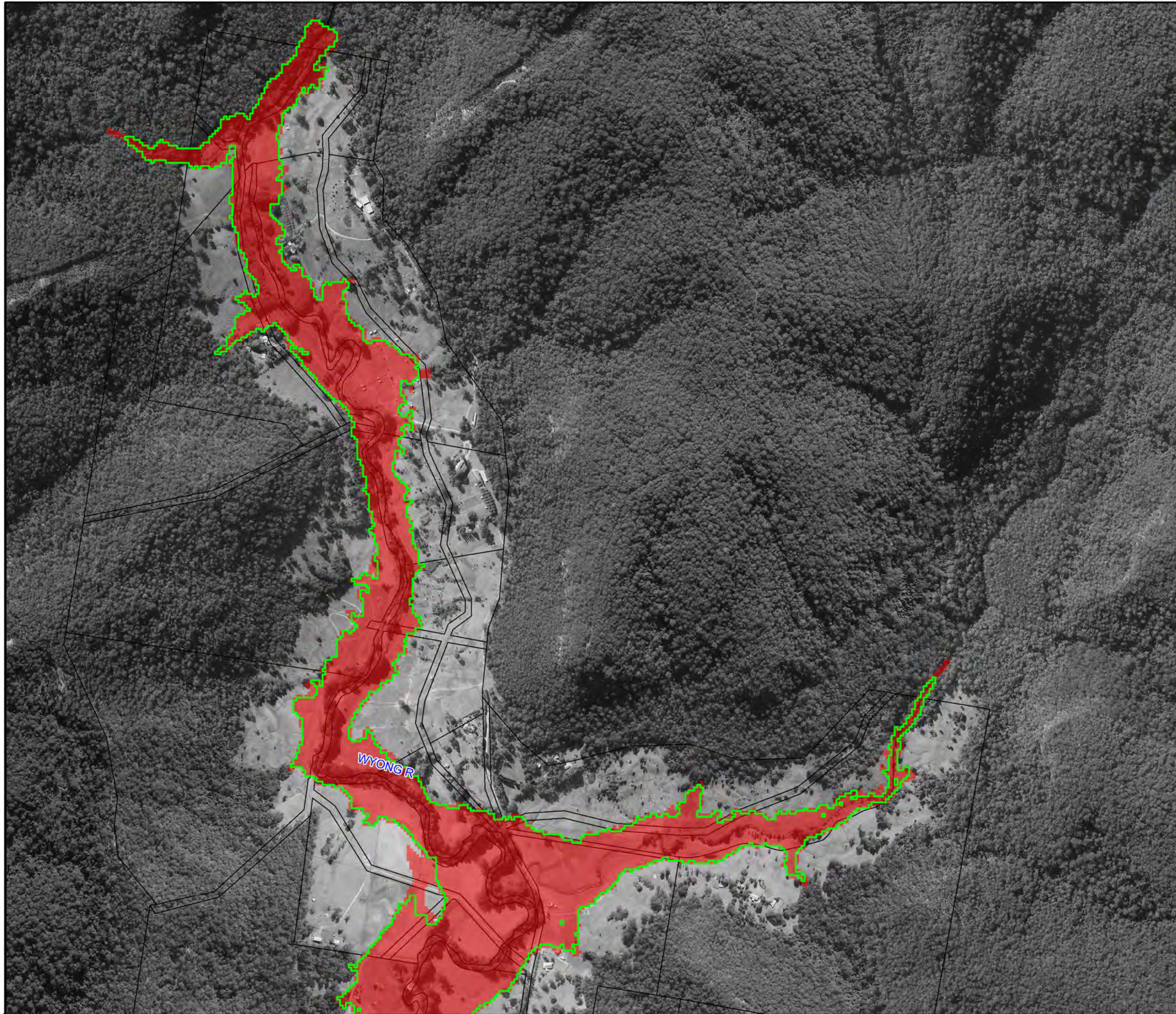


**Figure A17.2:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.2 CC30 1% AEP.wor

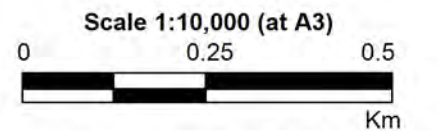




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

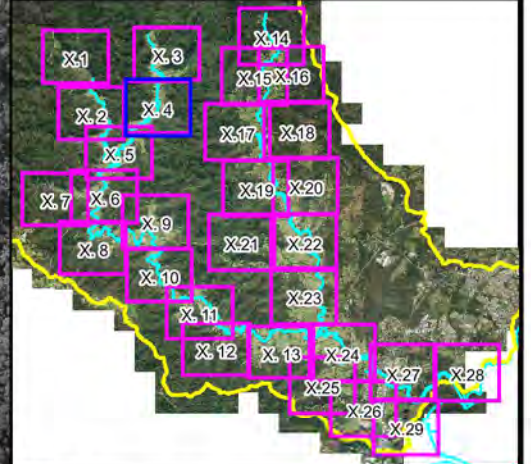
Notes:  
Aerial photograph dated 2014



**Figure A17.3:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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**Catchment Simulation Solutions**  
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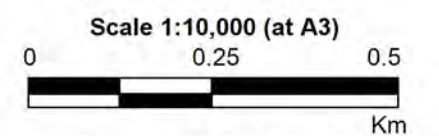
File Name: Figure A17.3 CC30 1%AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

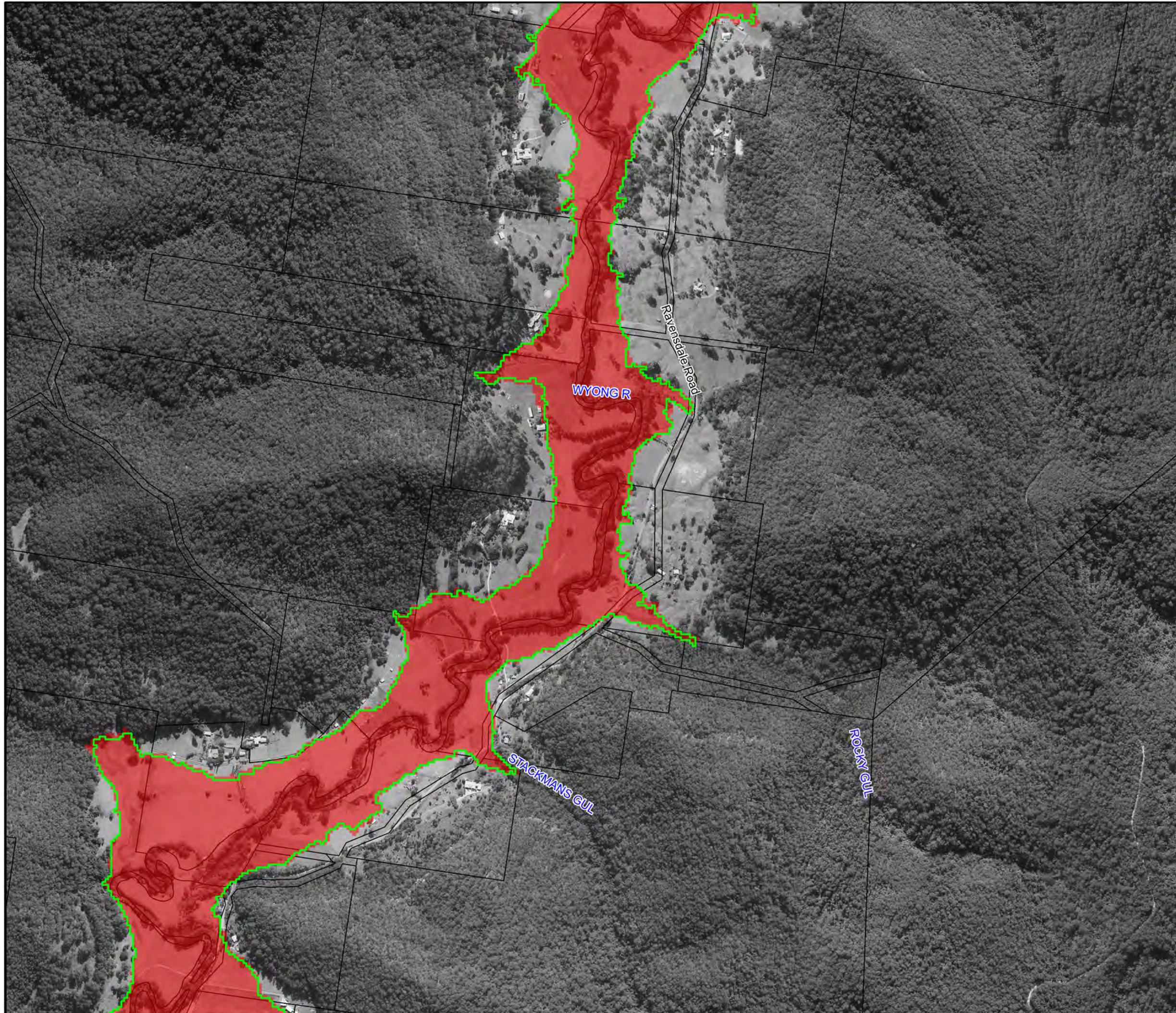
Notes:  
Aerial photograph dated 2014



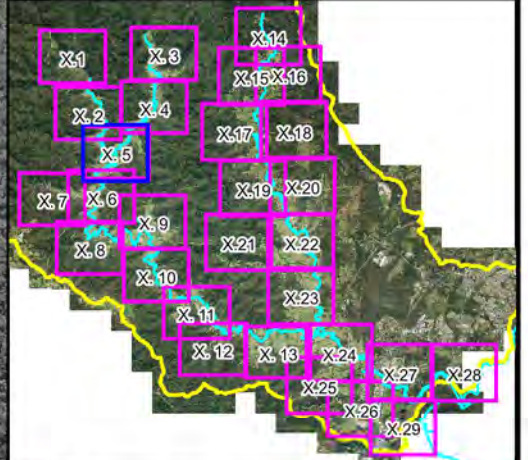
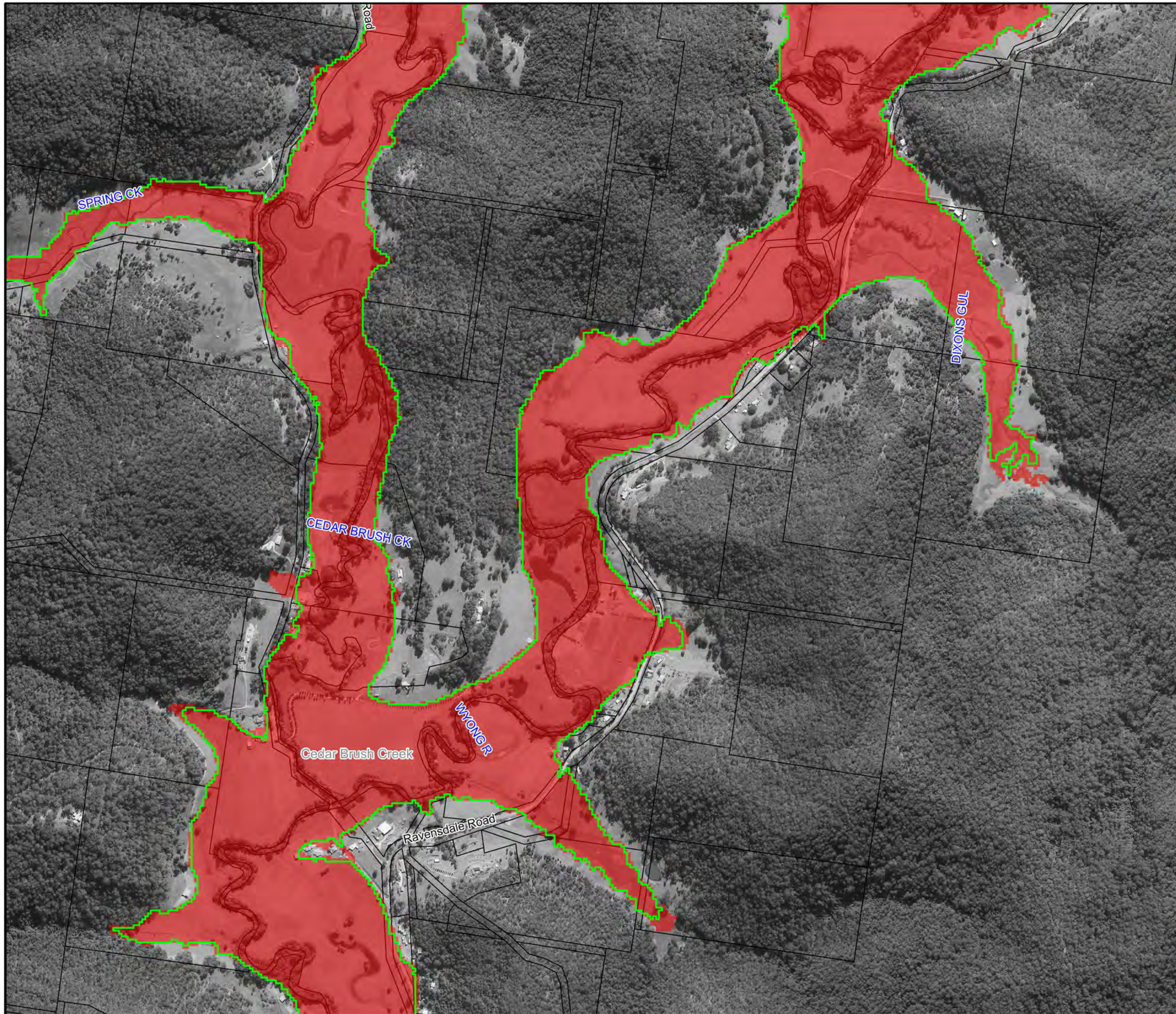
**Figure A17.4:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.4 CC30 1%AEP.wor



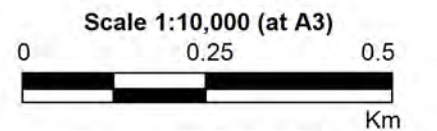




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014

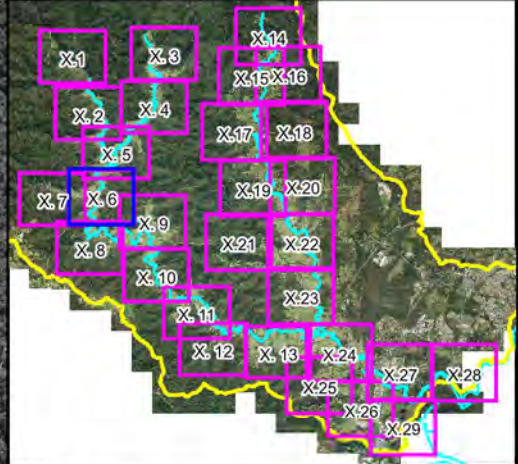
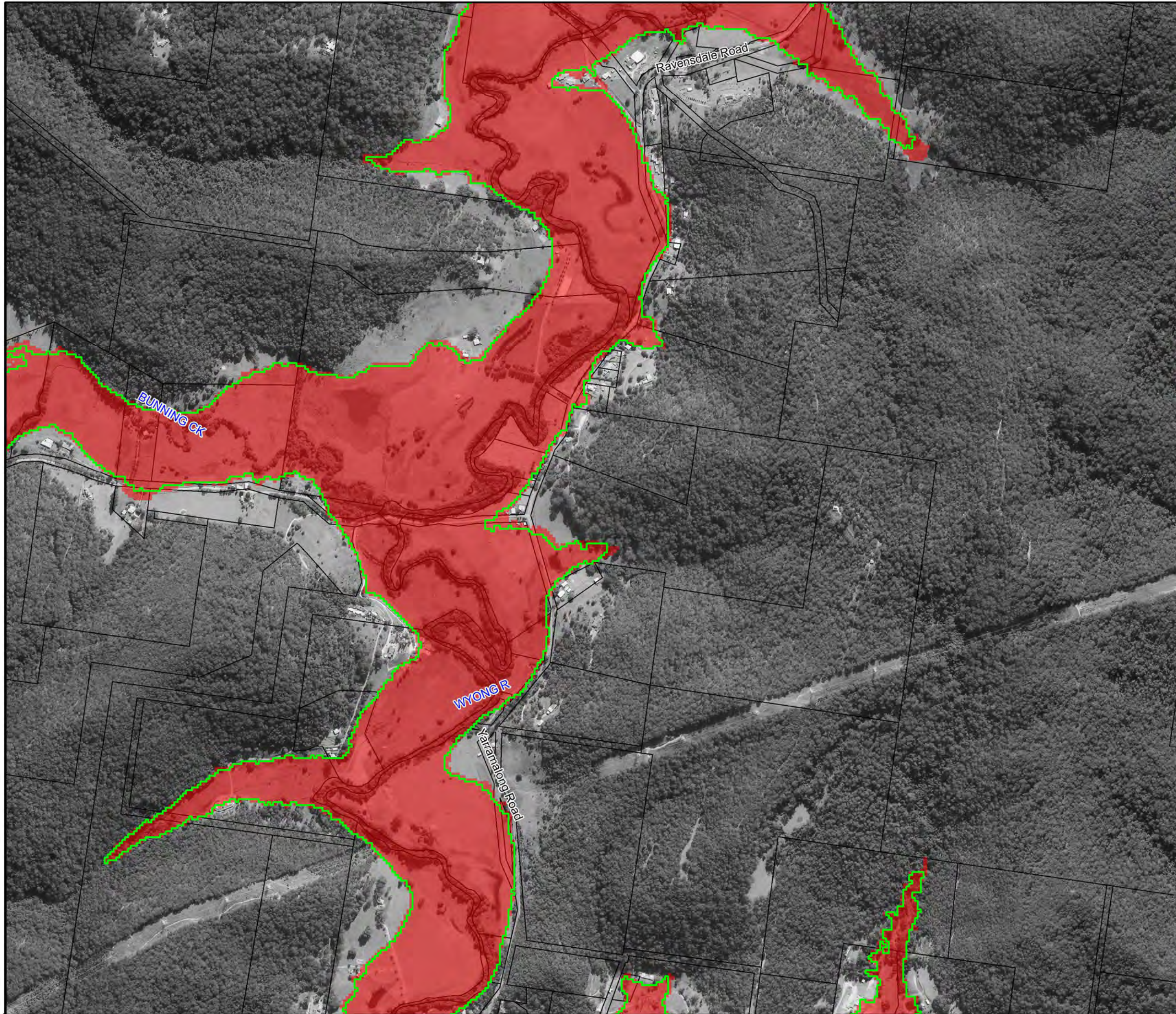


**Figure A17.5:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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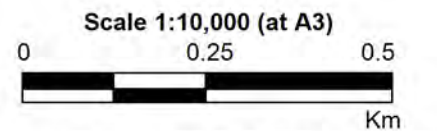
File Name: Figure A17.5 CC30 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

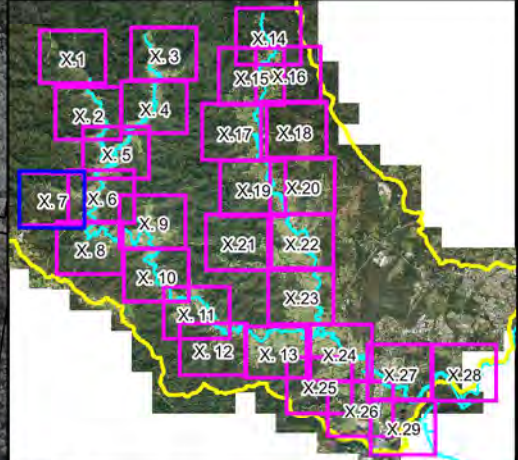
Notes:  
Aerial photograph dated 2014



**Figure A17.6:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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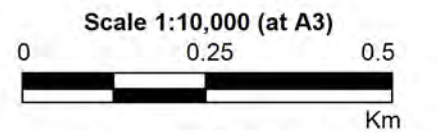
File Name: Figure A17.6 CC30 1% AEP.wor



**LEGEND**

- Existing 1%AEP Inundation Extent
- 1%AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

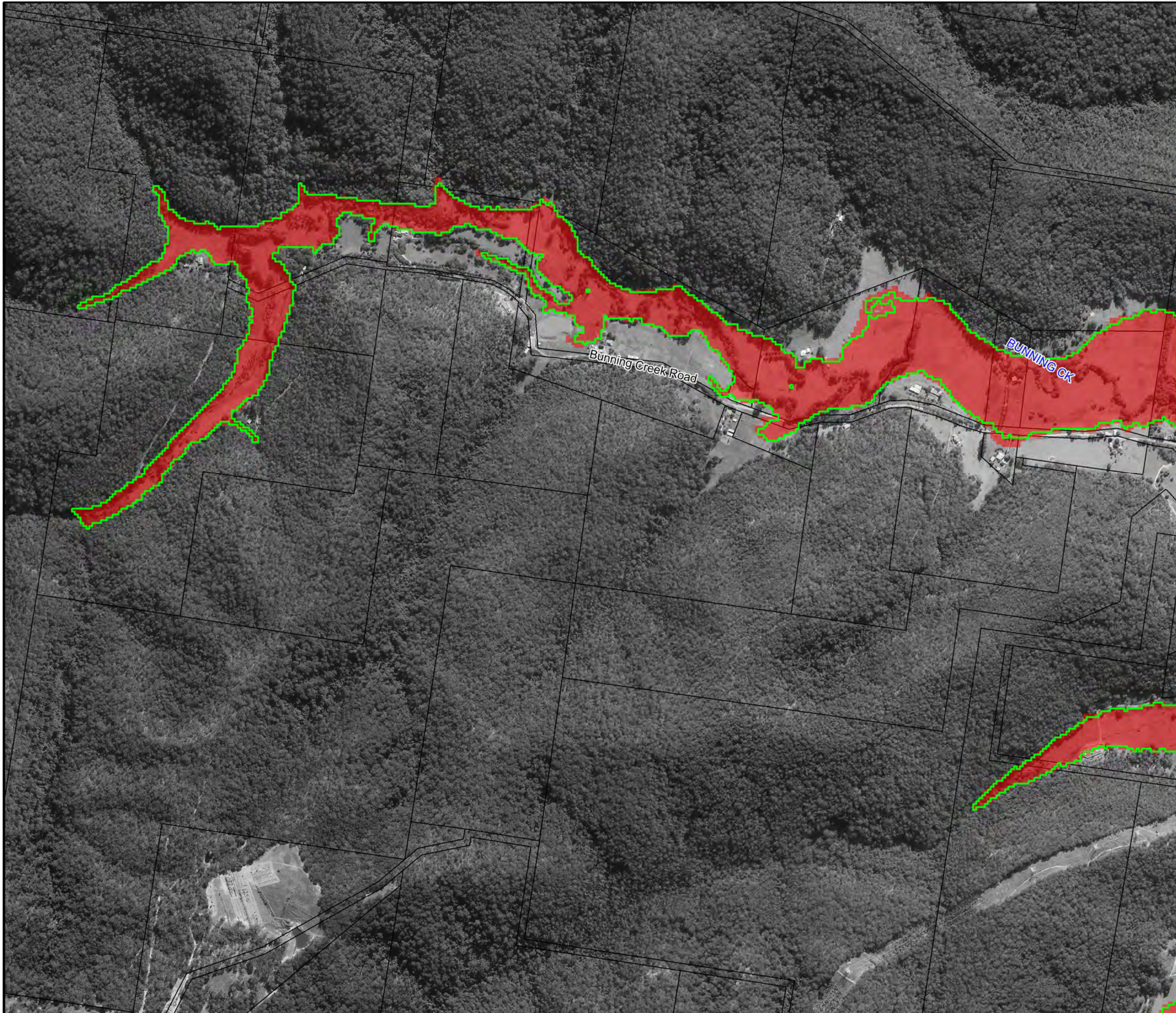
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Aerial photograph dated 2014

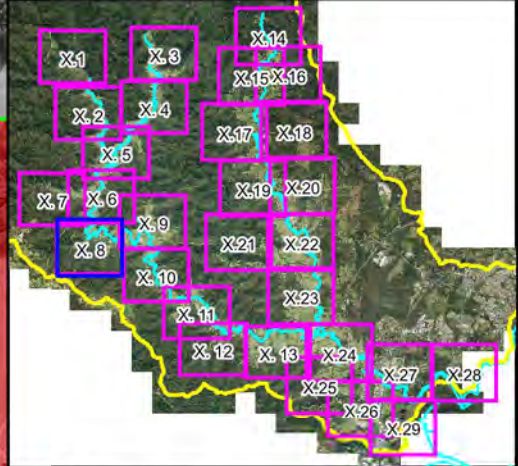


**Figure A17.7:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.7 CC30 1%AEP.wor

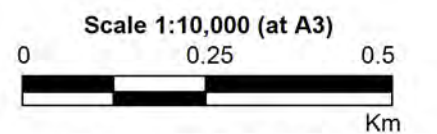




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

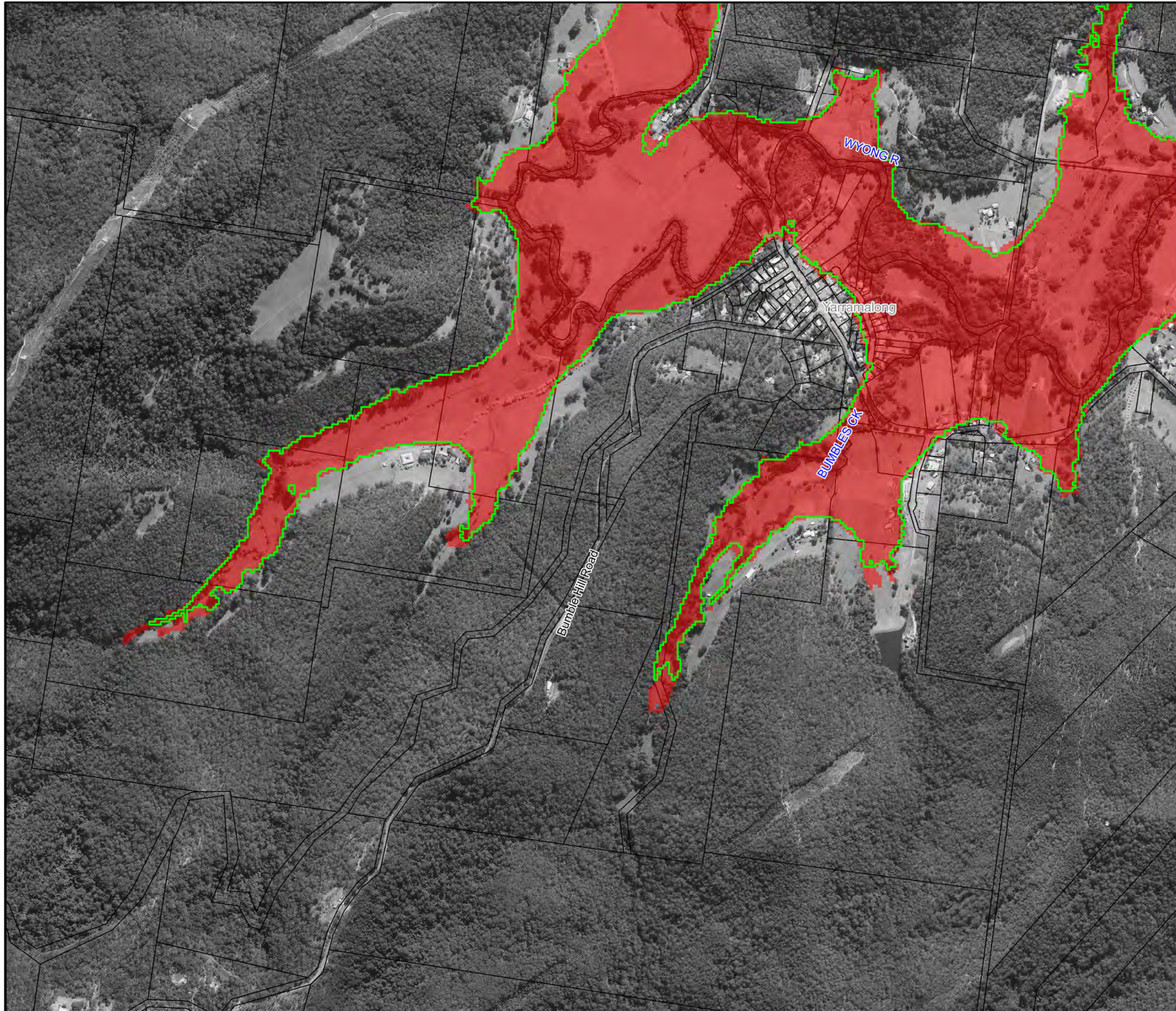
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Aerial photograph dated 2014

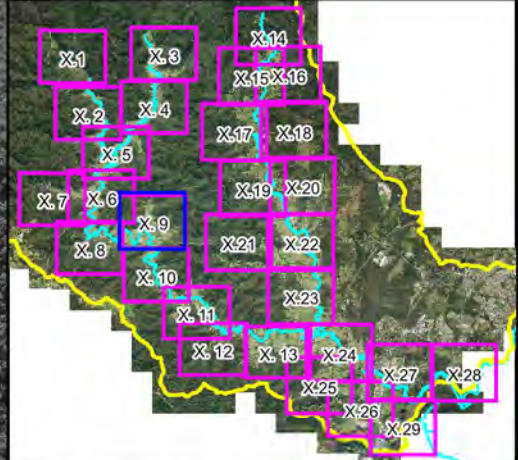
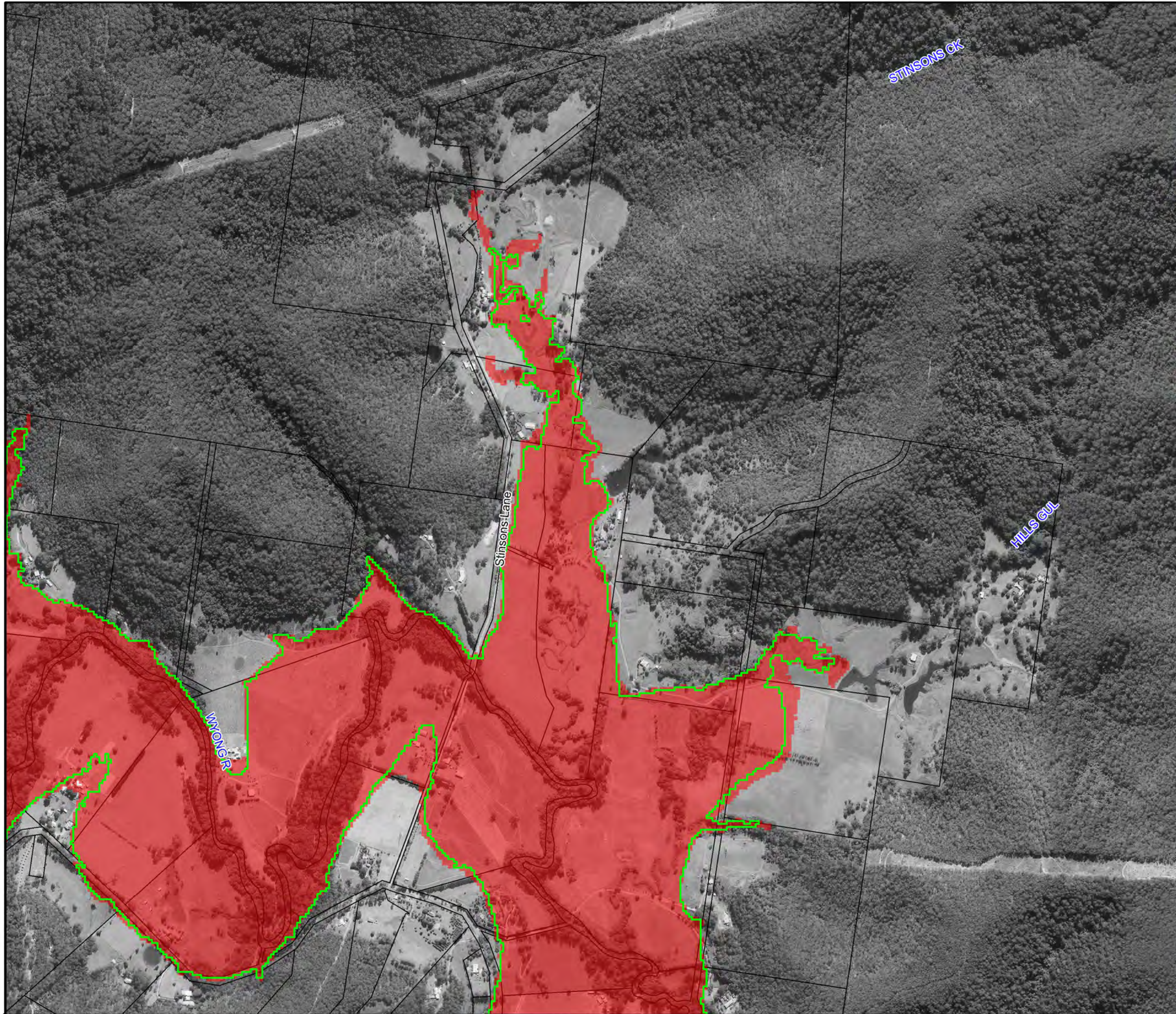


**Figure A17.8:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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Sydney, NSW 2000

File Name: Figure A17.8 CC30 1% AEP.wor





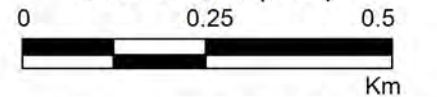
**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



Scale 1:10,000 (at A3)

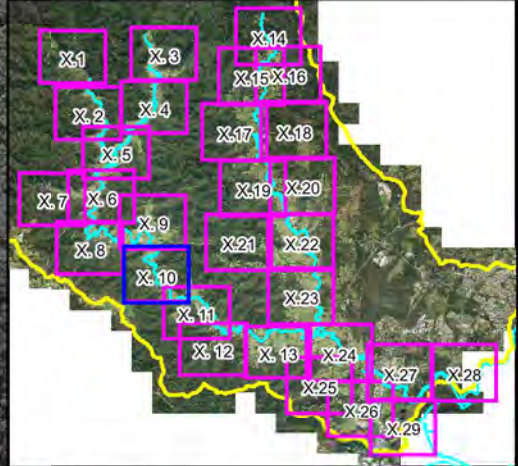
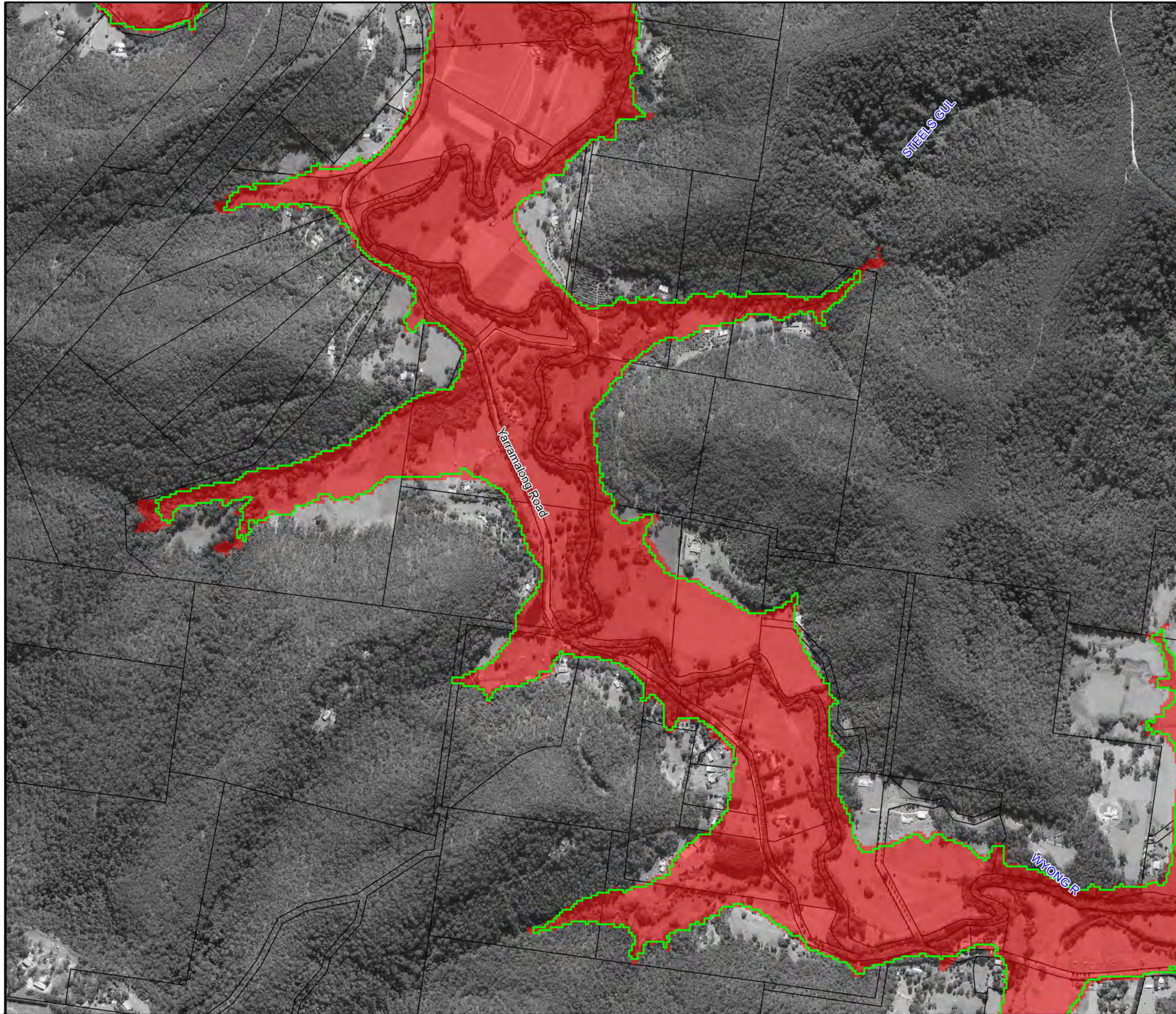


**Figure A17.9:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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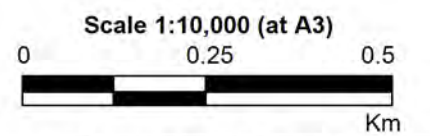
File Name: Figure A17.9 CC30 1% AEP.wor



**LEGEND**

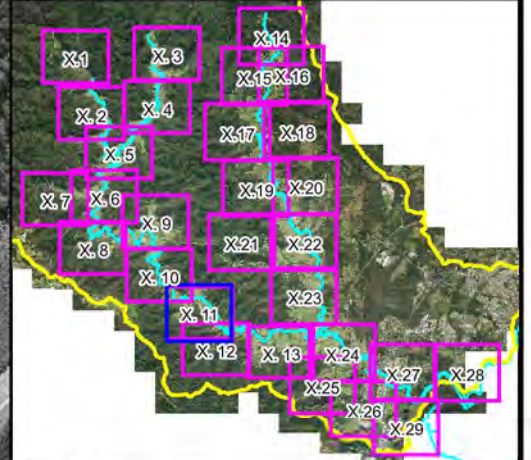
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.10:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

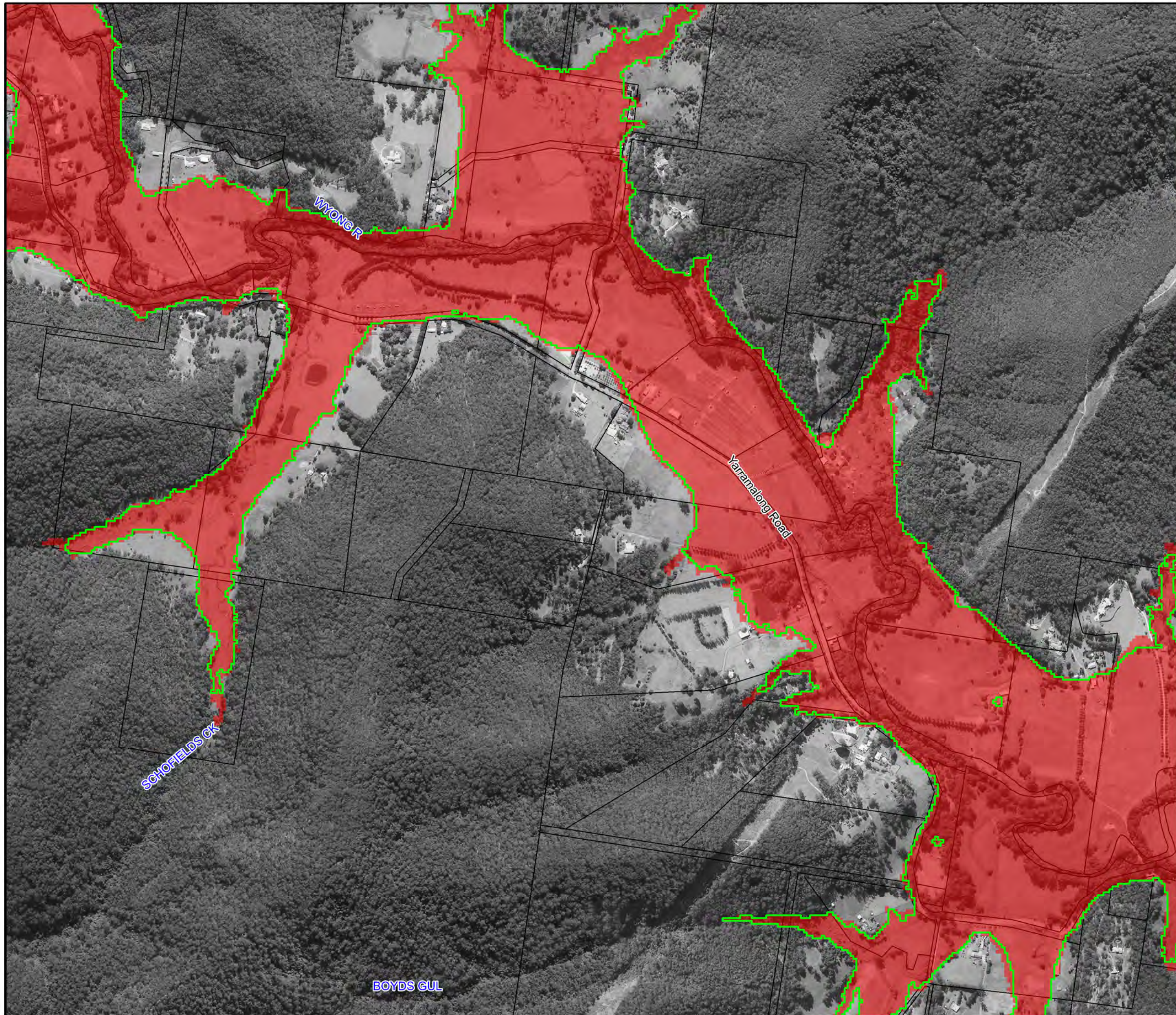
Notes:  
Aerial photograph dated 2014

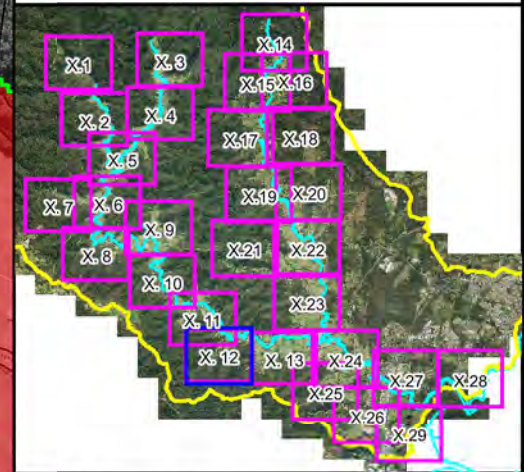


**Figure A17.11:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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File Name: Figure A17.11 CC30 1% AEP.wor

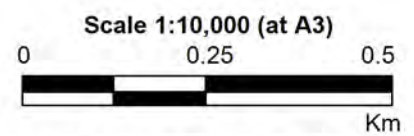
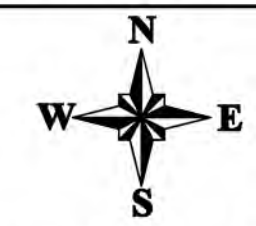




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

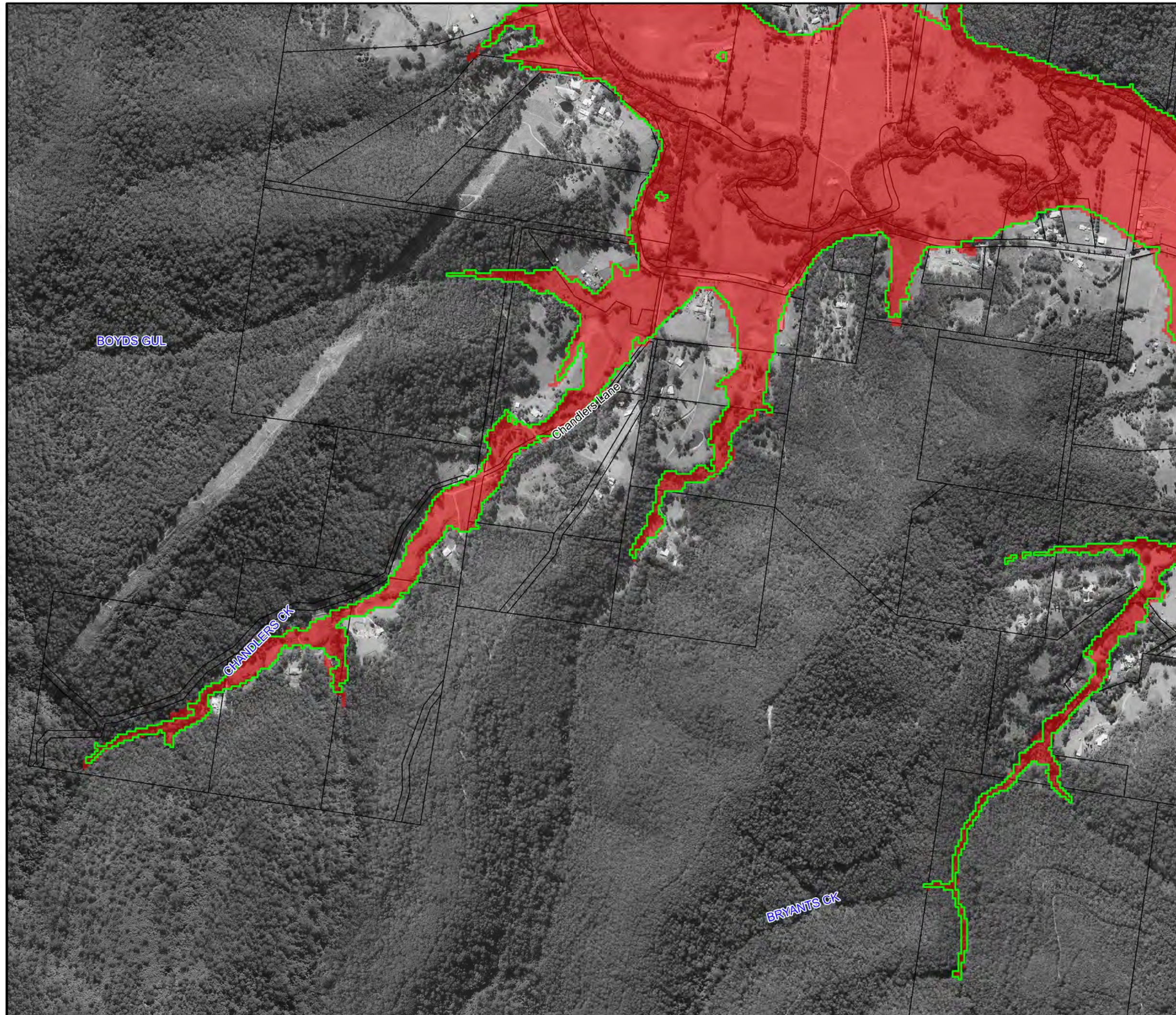
Notes:  
Aerial photograph dated 2014



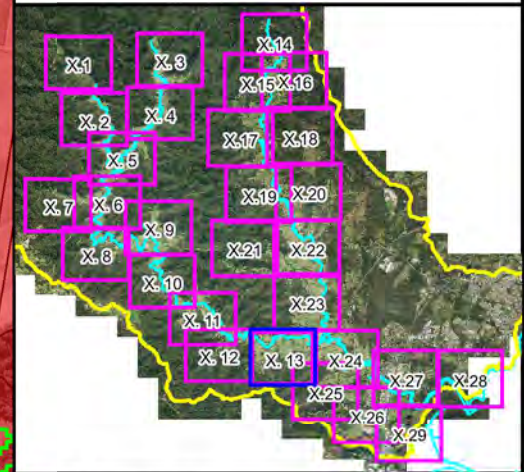
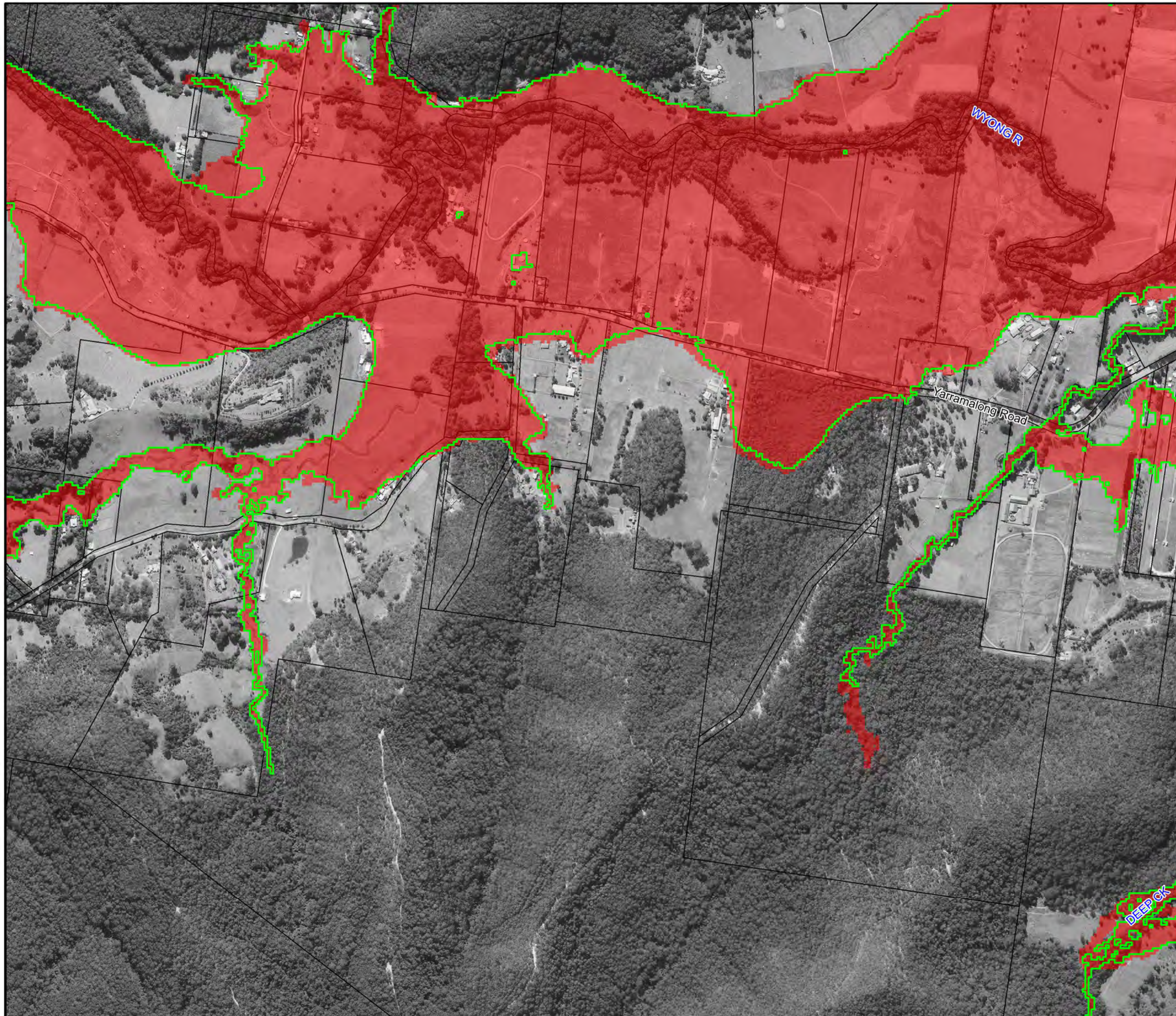
**Figure A17.12:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.12 CC30 1% AEP.wor



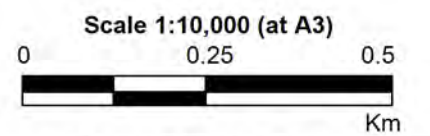




**LEGEND**

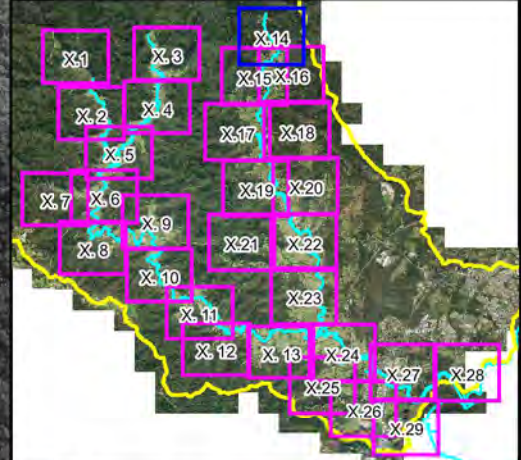
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.13:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

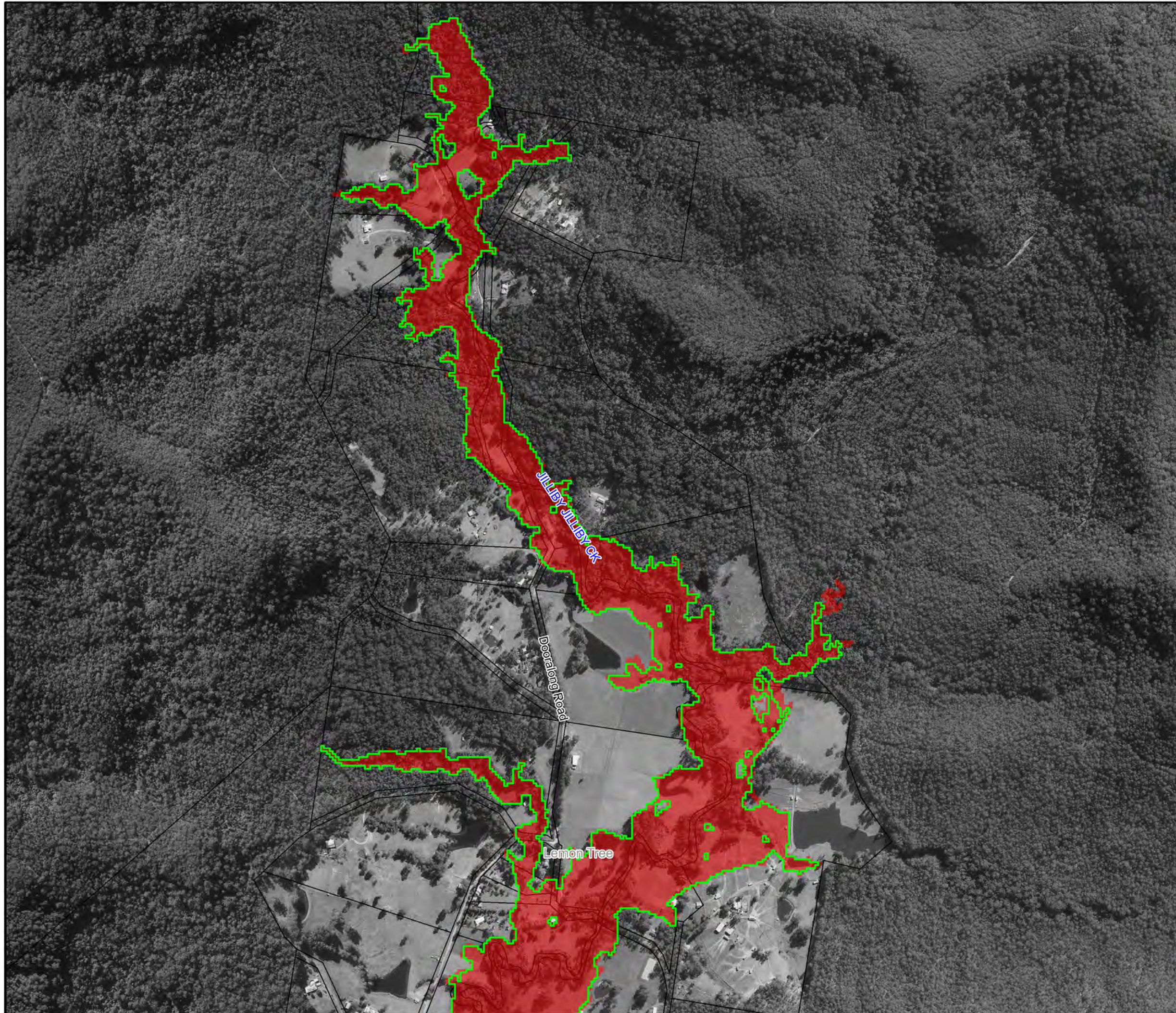
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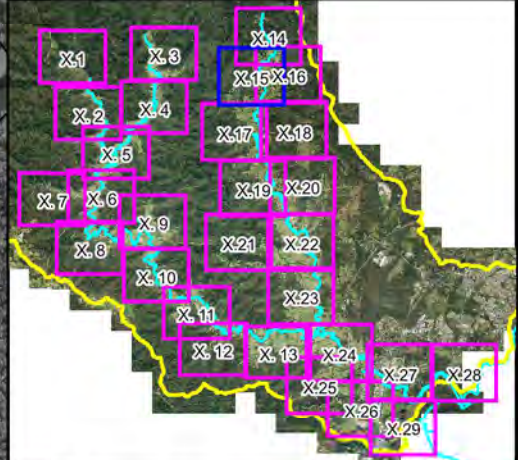
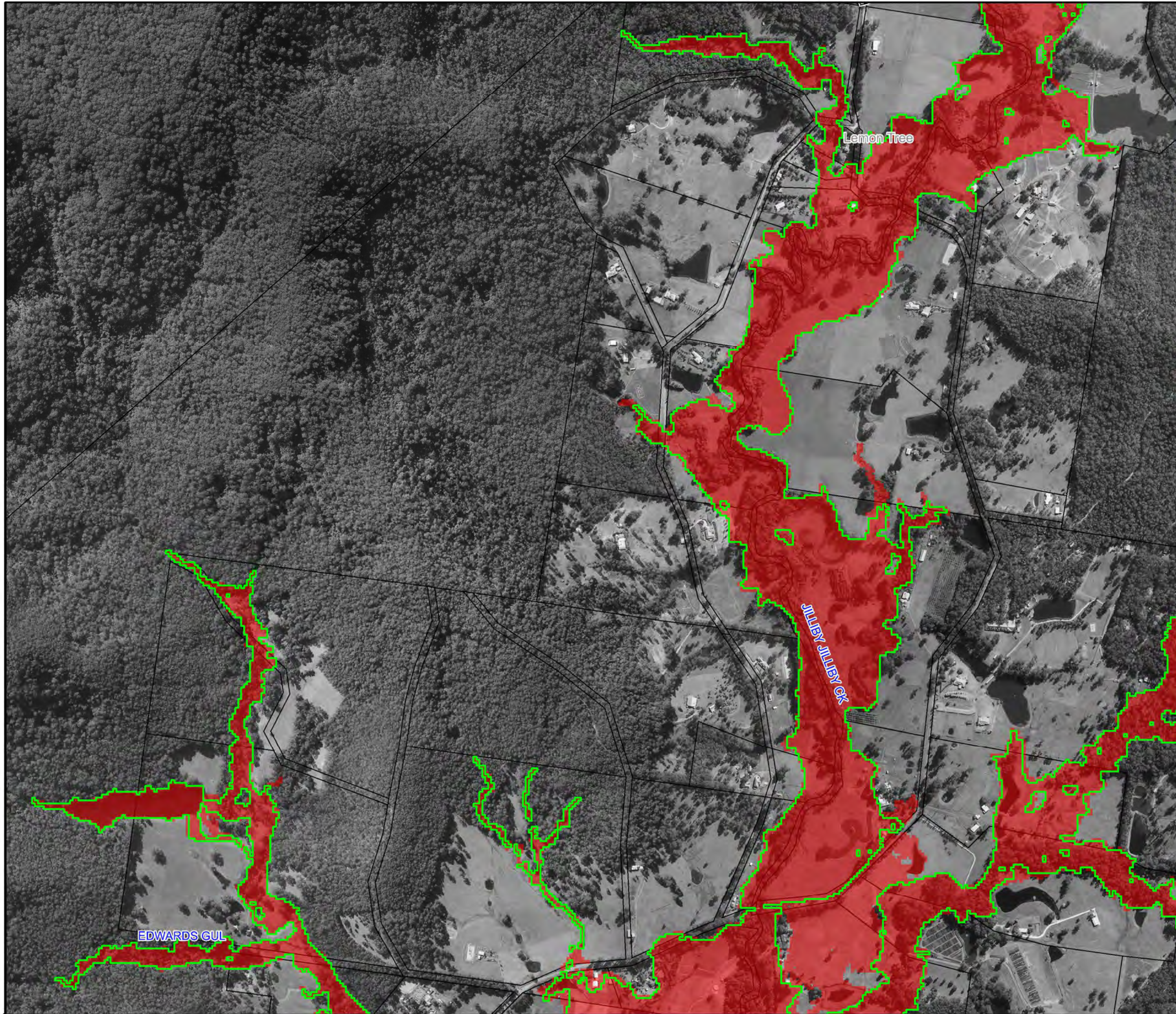


**Figure A17.14:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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File Name: Figure A17.14 CC30 1%AEP.wor

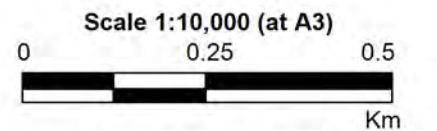




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

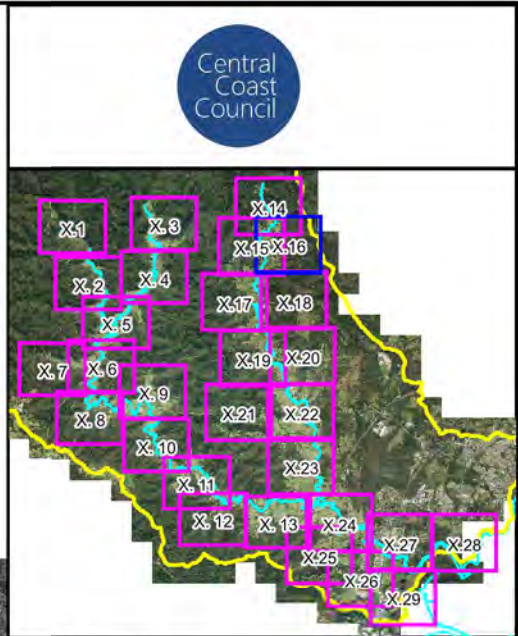
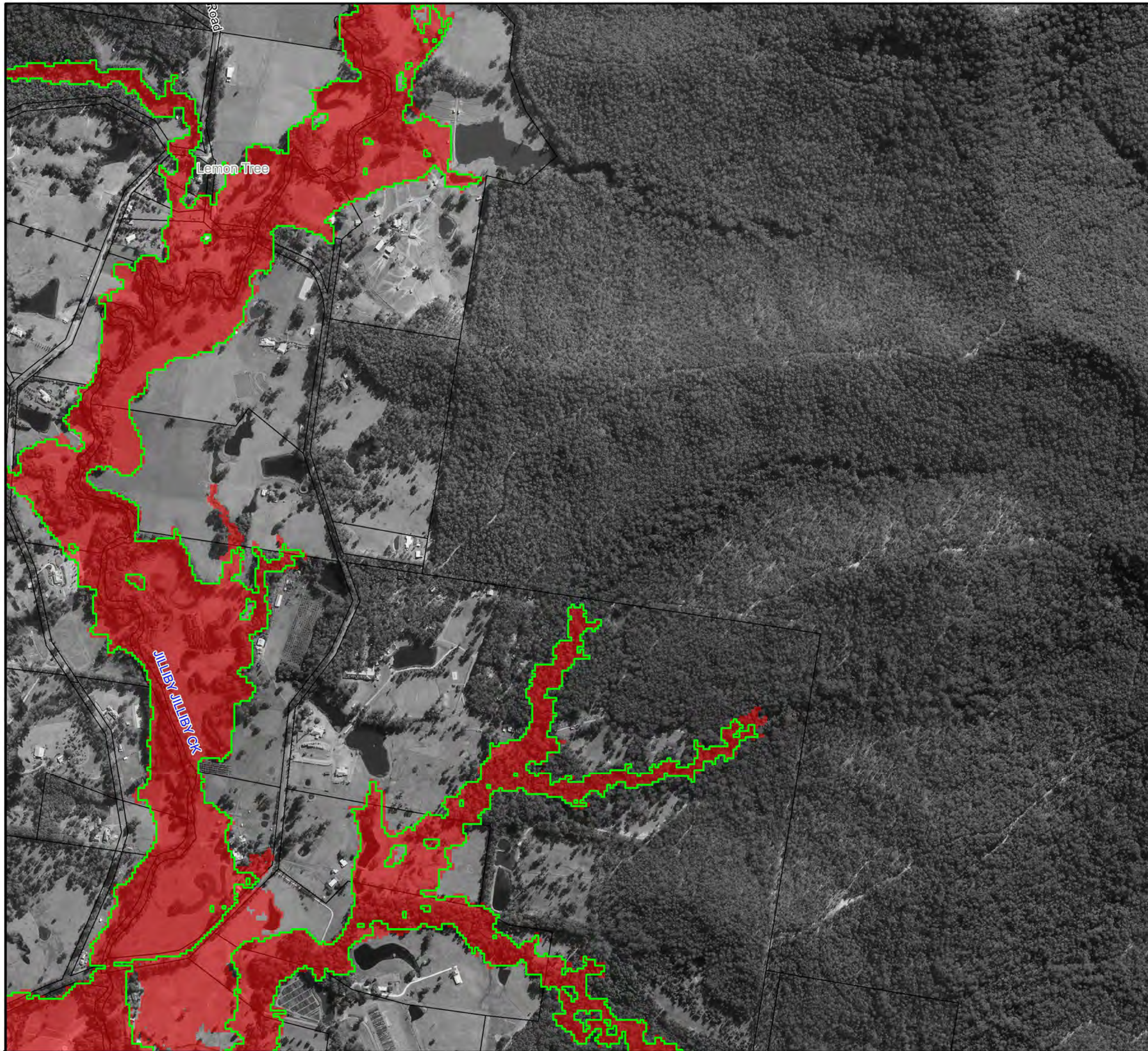
Notes:  
Aerial photograph dated 2014



**Figure A17.15:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.15 CC30 1% AEP.wor

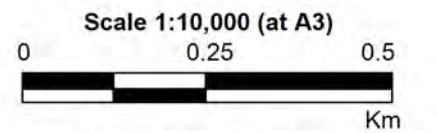


Central Coast Council

**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

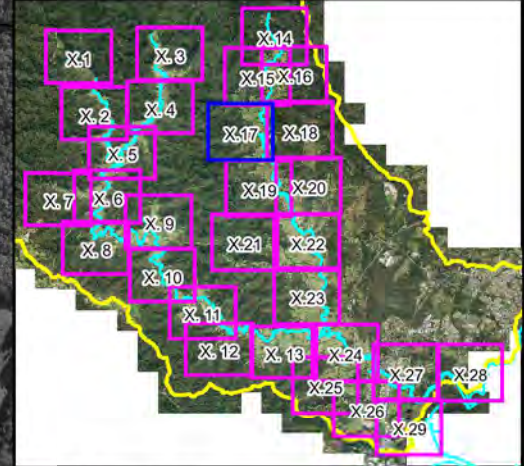
Notes:  
Aerial photograph dated 2014



**Figure A17.16:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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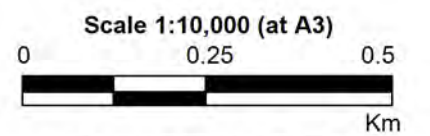
File Name: Figure A17.16 CC30 1% AEP.wor



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

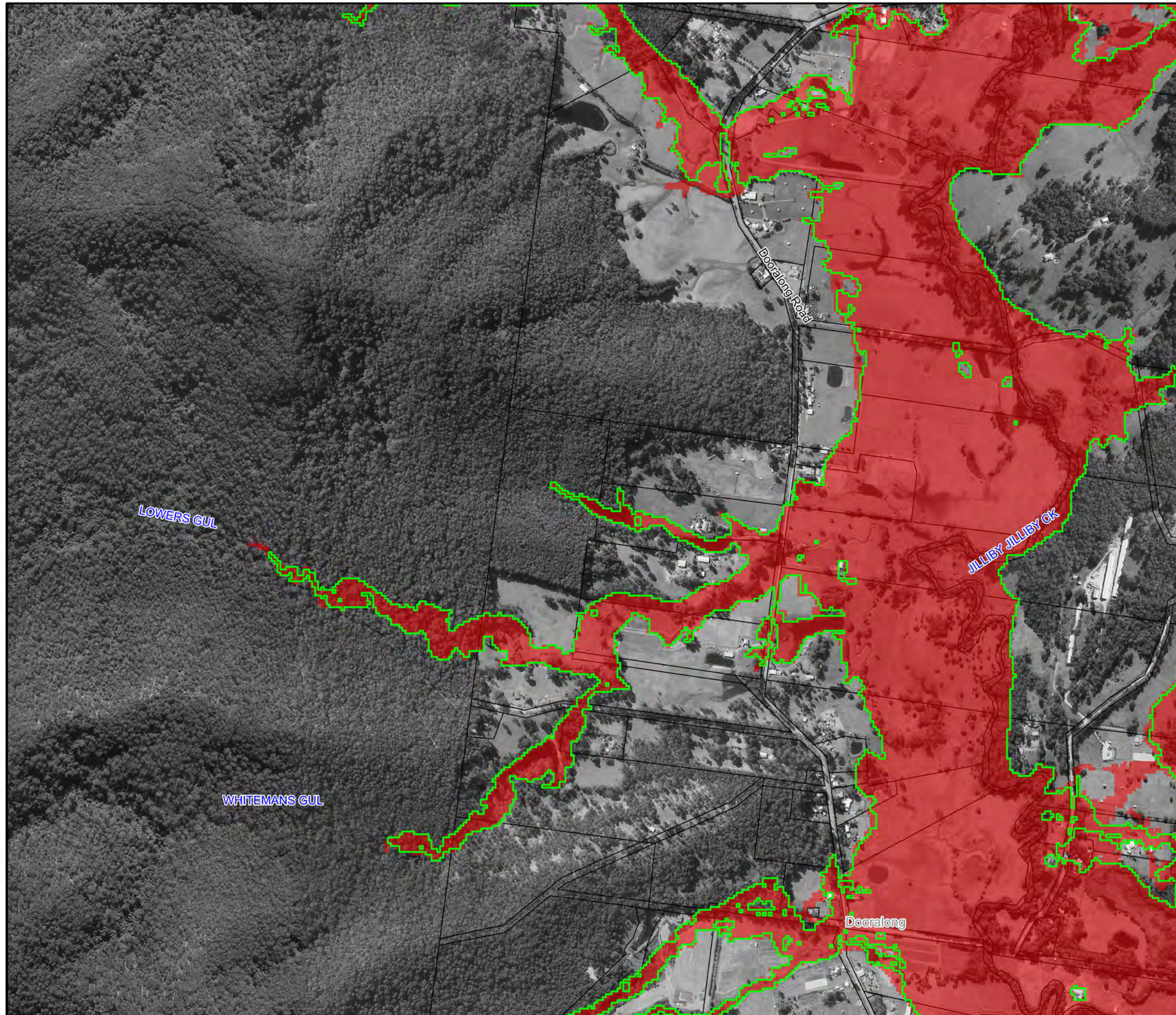
Notes:  
Aerial photograph dated 2014

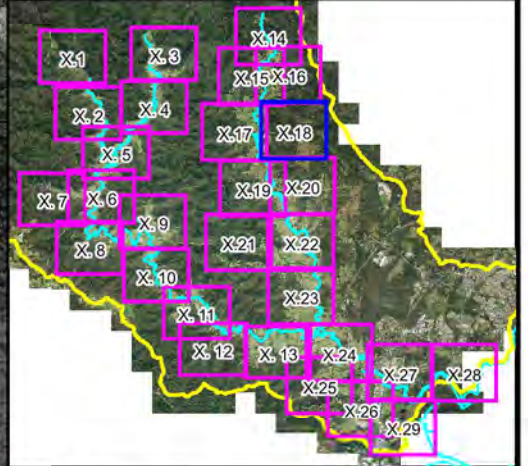
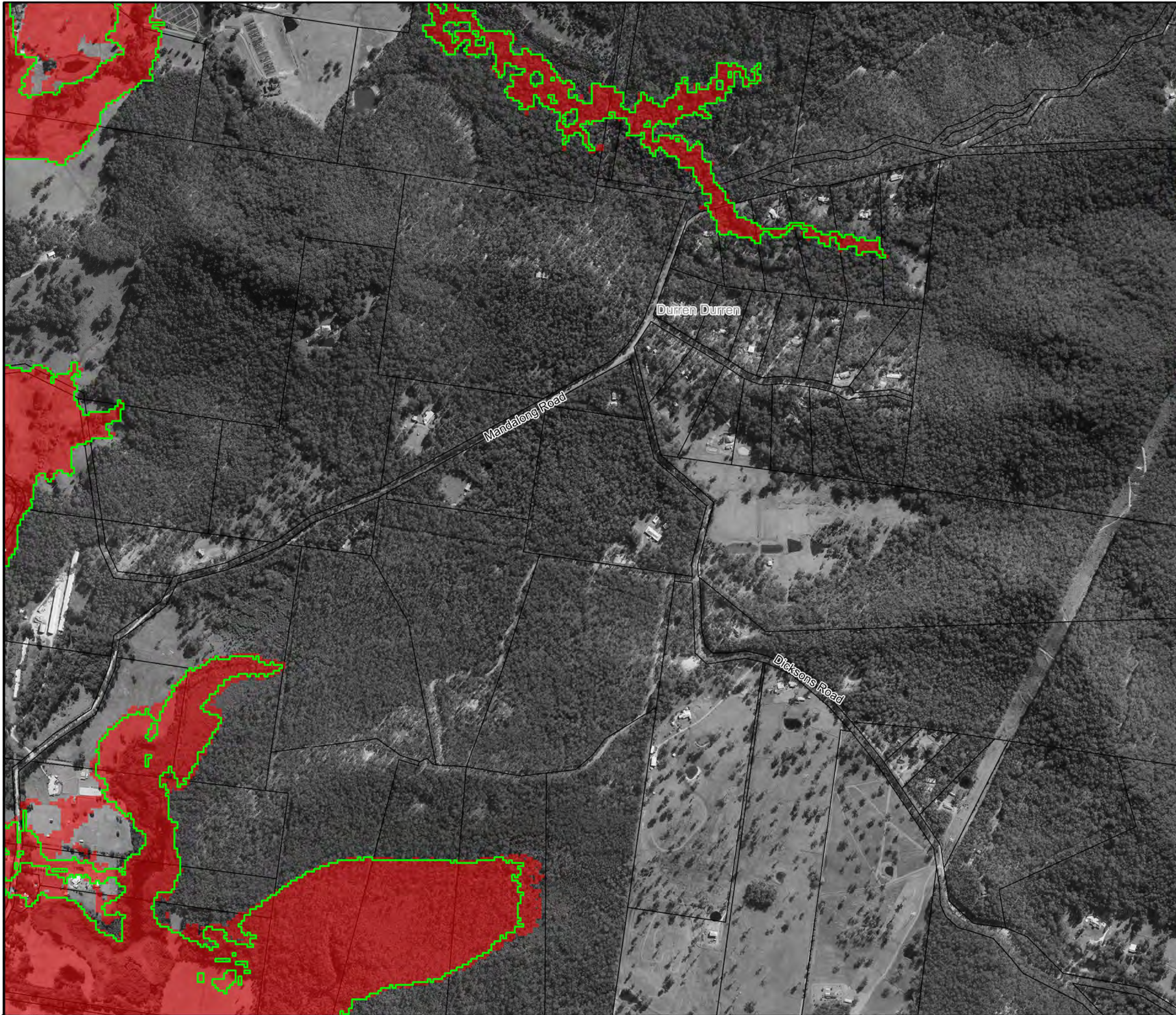


**Figure A17.17:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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Sydney, NSW 2000

File Name: Figure A17.17 CC30 1% AEP.wor

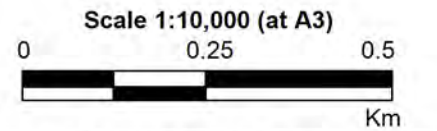




**LEGEND**

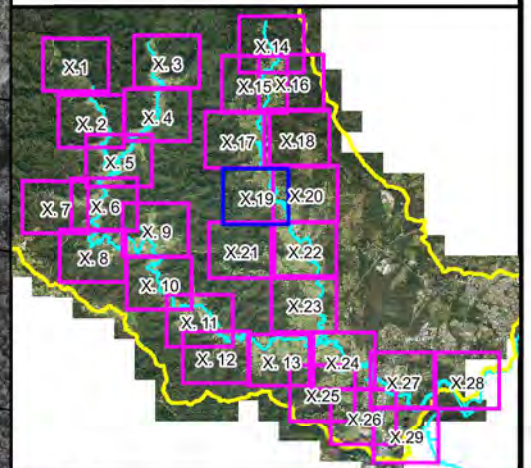
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.18:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

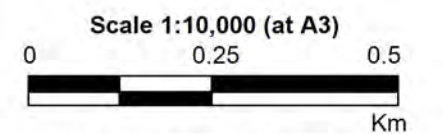
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

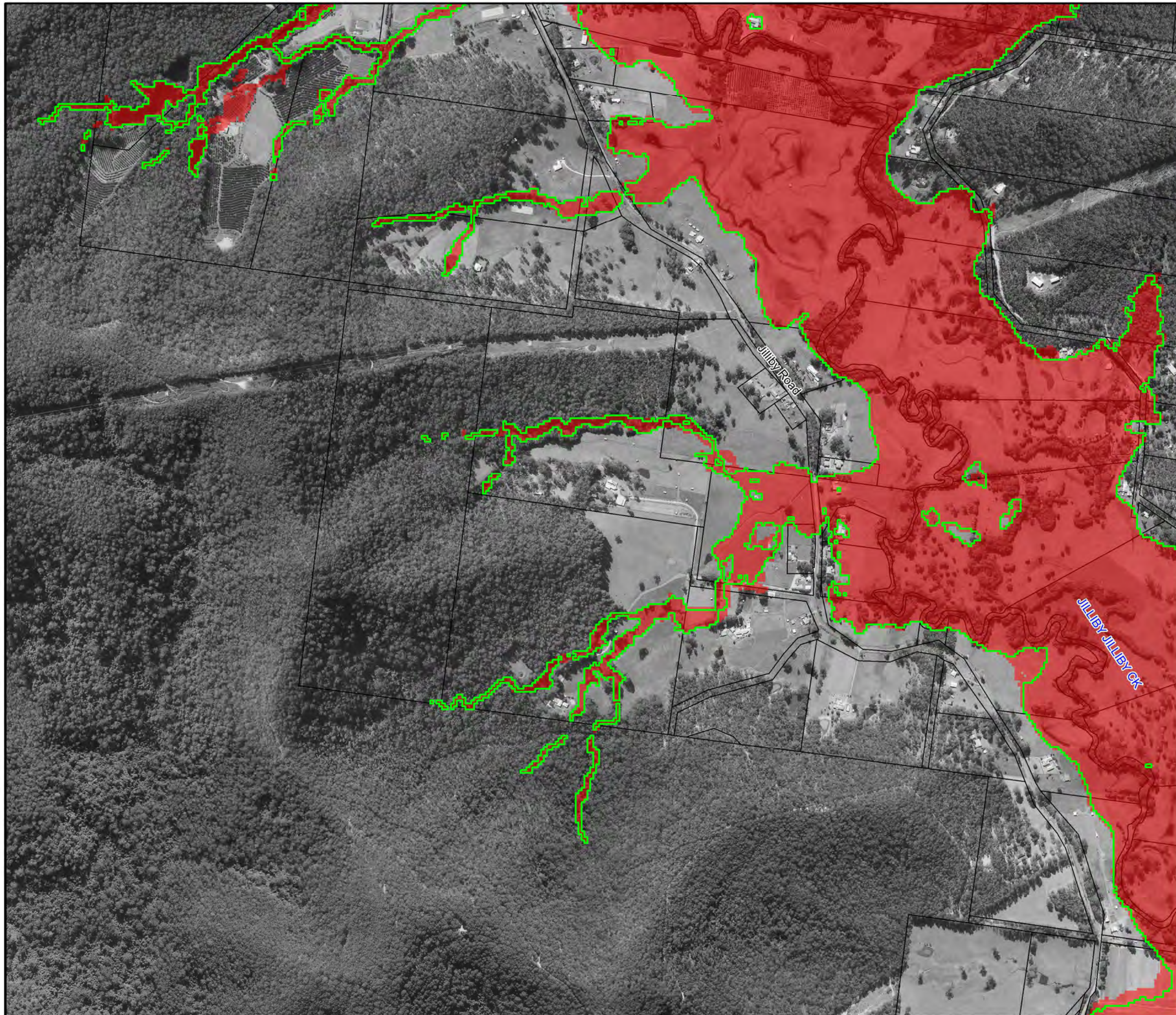
Notes:  
Aerial photograph dated 2014

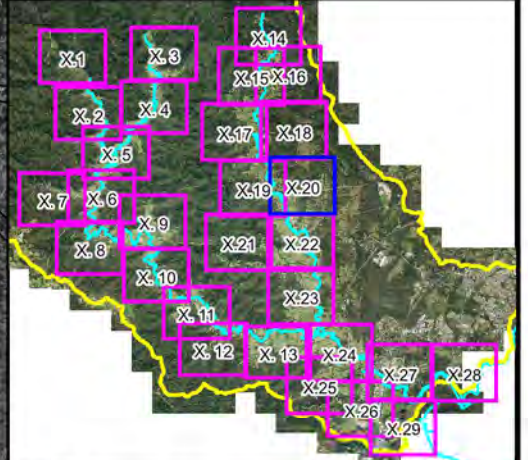


**Figure A17.19:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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File Name: Figure A17.19 CC30 1% AEP.wor

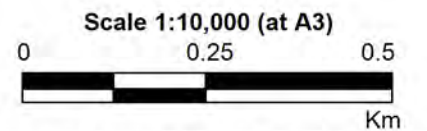




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

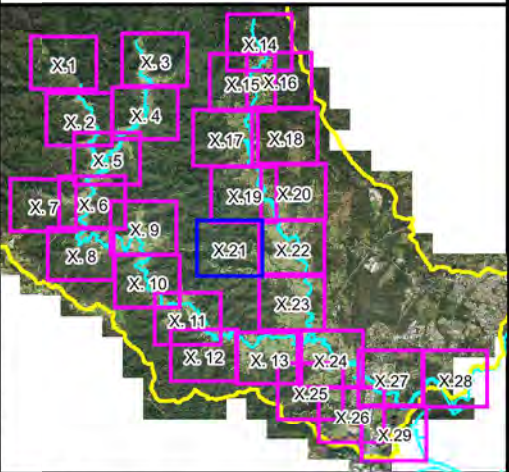
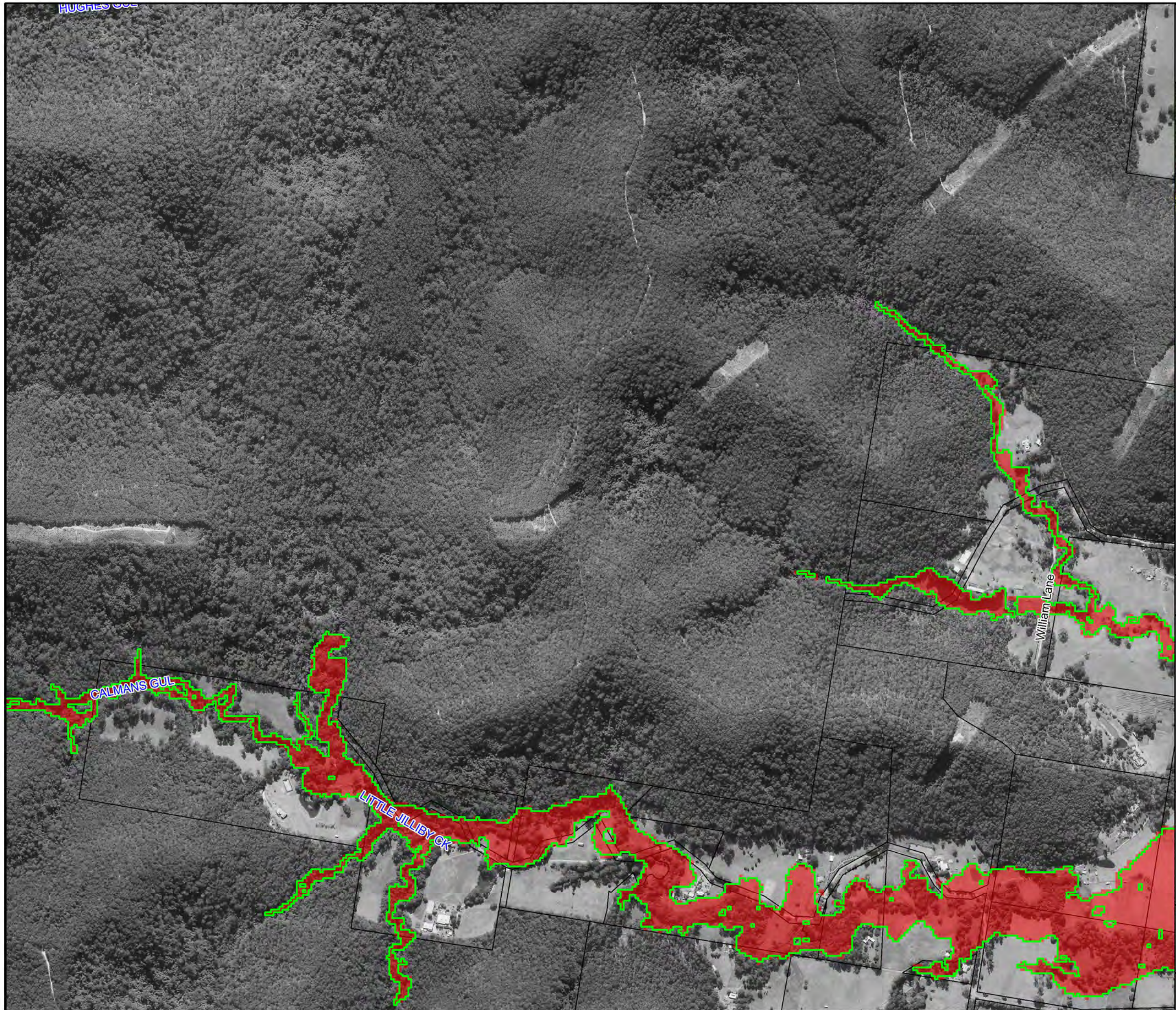
Notes:  
Aerial photograph dated 2014



**Figure A17.20:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

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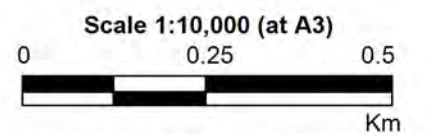




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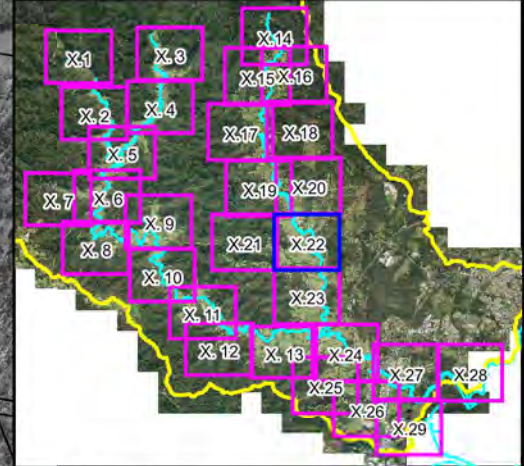
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.21:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

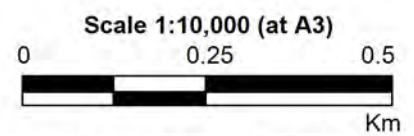
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

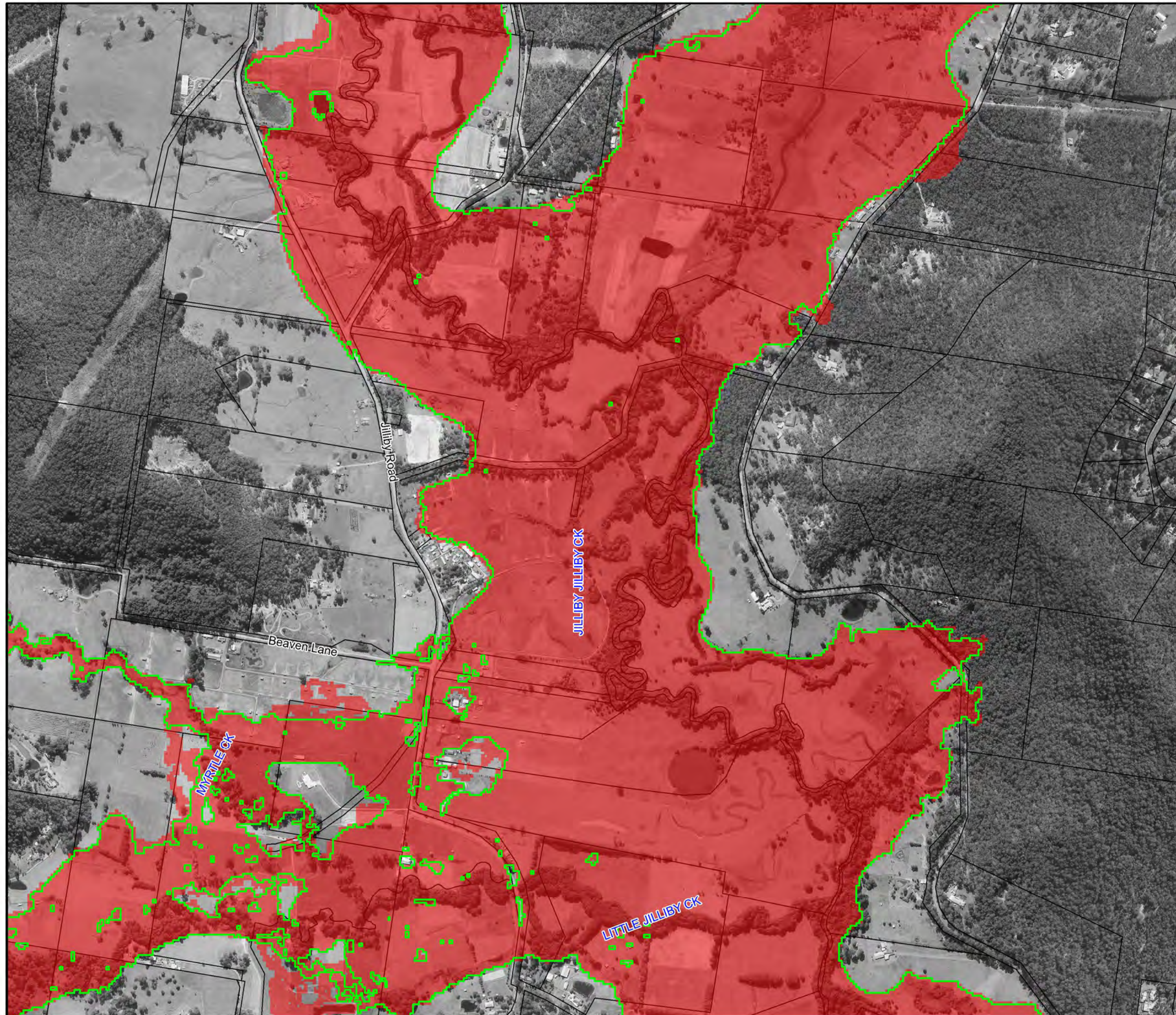
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Aerial photograph dated 2014

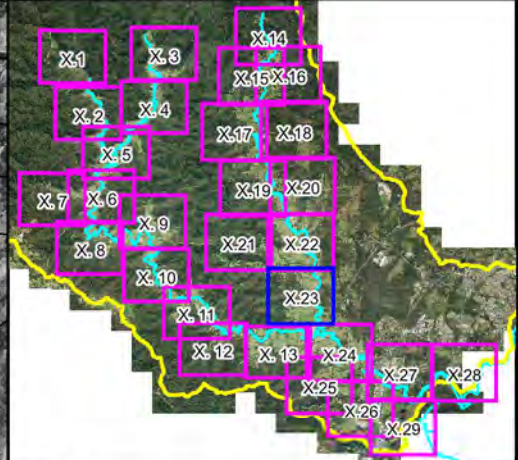


**Figure A17.22:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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Sydney, NSW 2000

File Name: Figure A17.22 CC30 1% AEP.wor

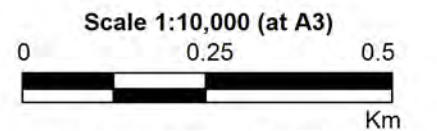




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

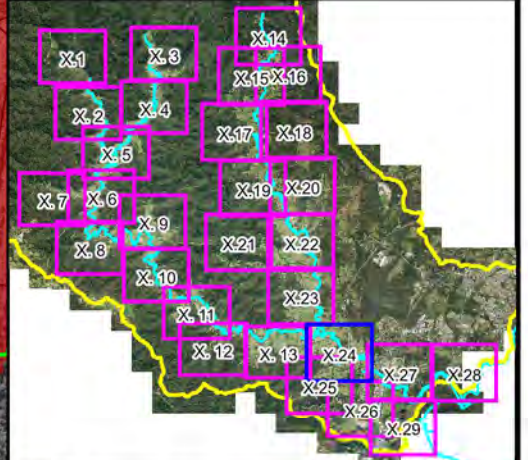
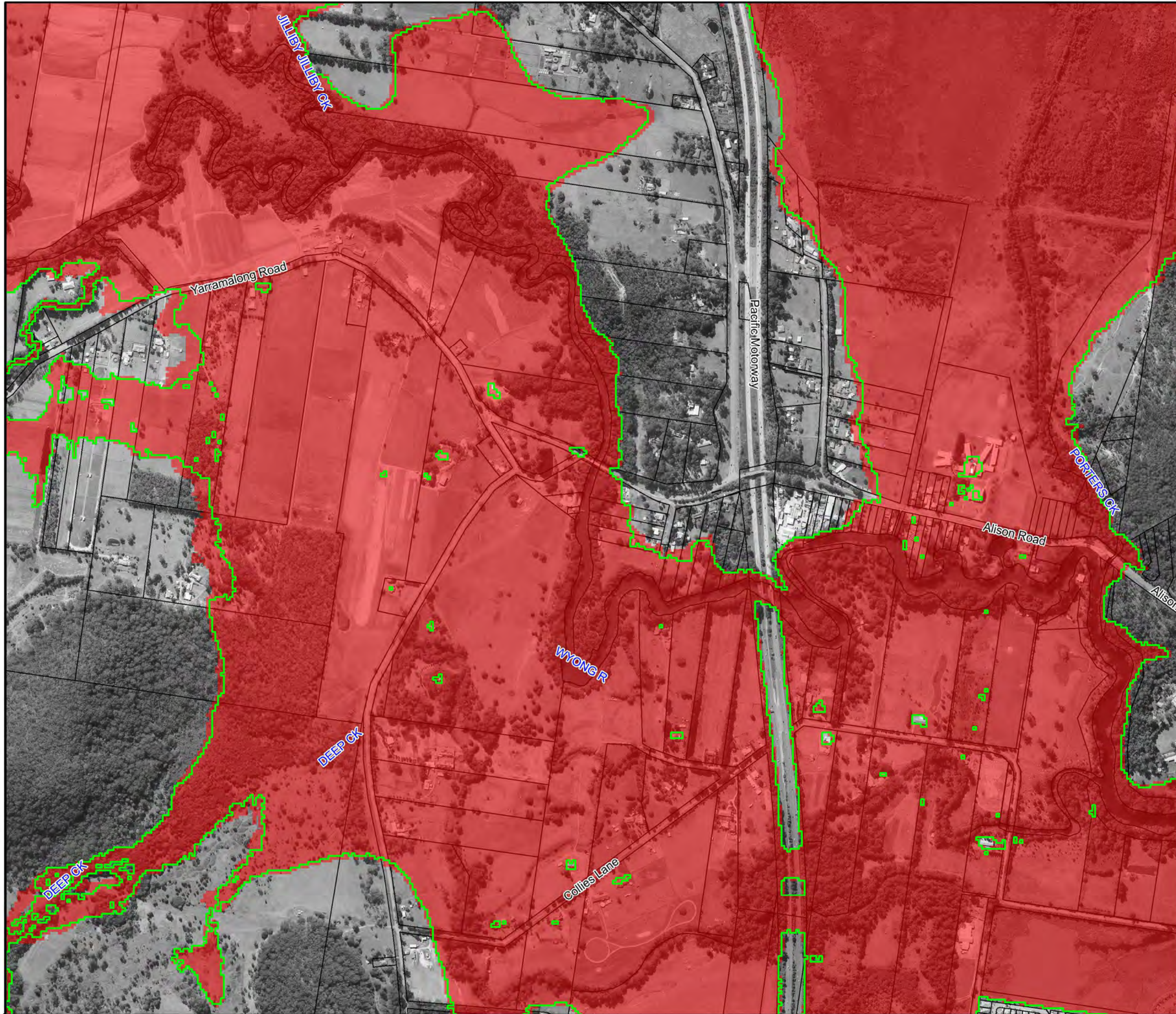
Notes:  
Aerial photograph dated 2014



**Figure A17.23:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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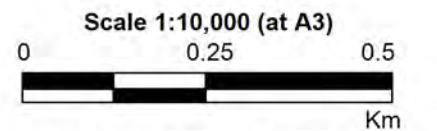
File Name: Figure A17.23 CC30 1% AEP.wor



**LEGEND**

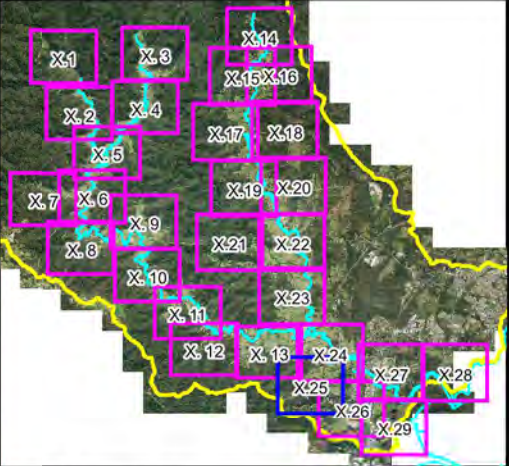
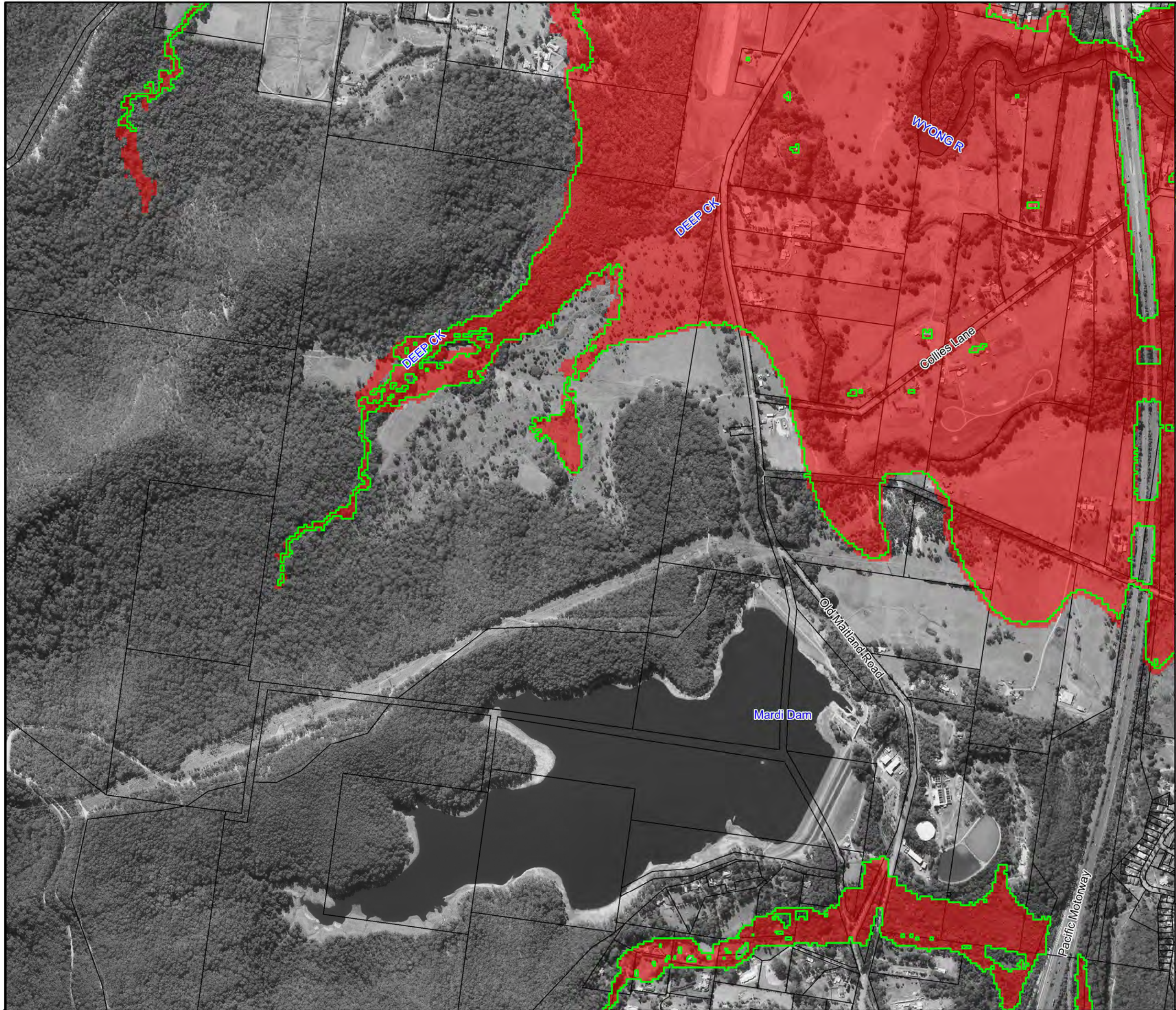
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.24:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

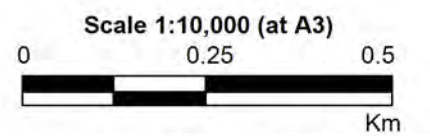
Prepared By:  
**Catchment Simulation Solutions**  
Suite 2.01, 210 George St  
Sydney, NSW 2000



**LEGEND**

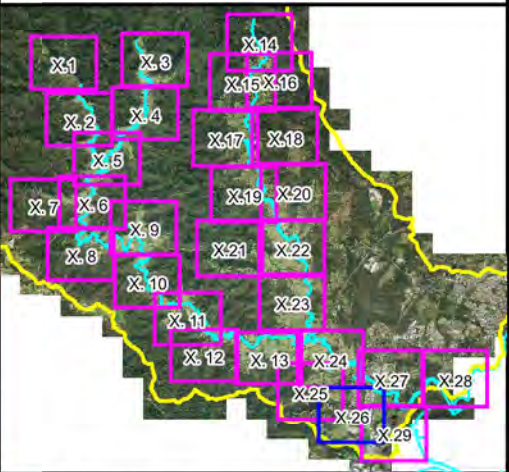
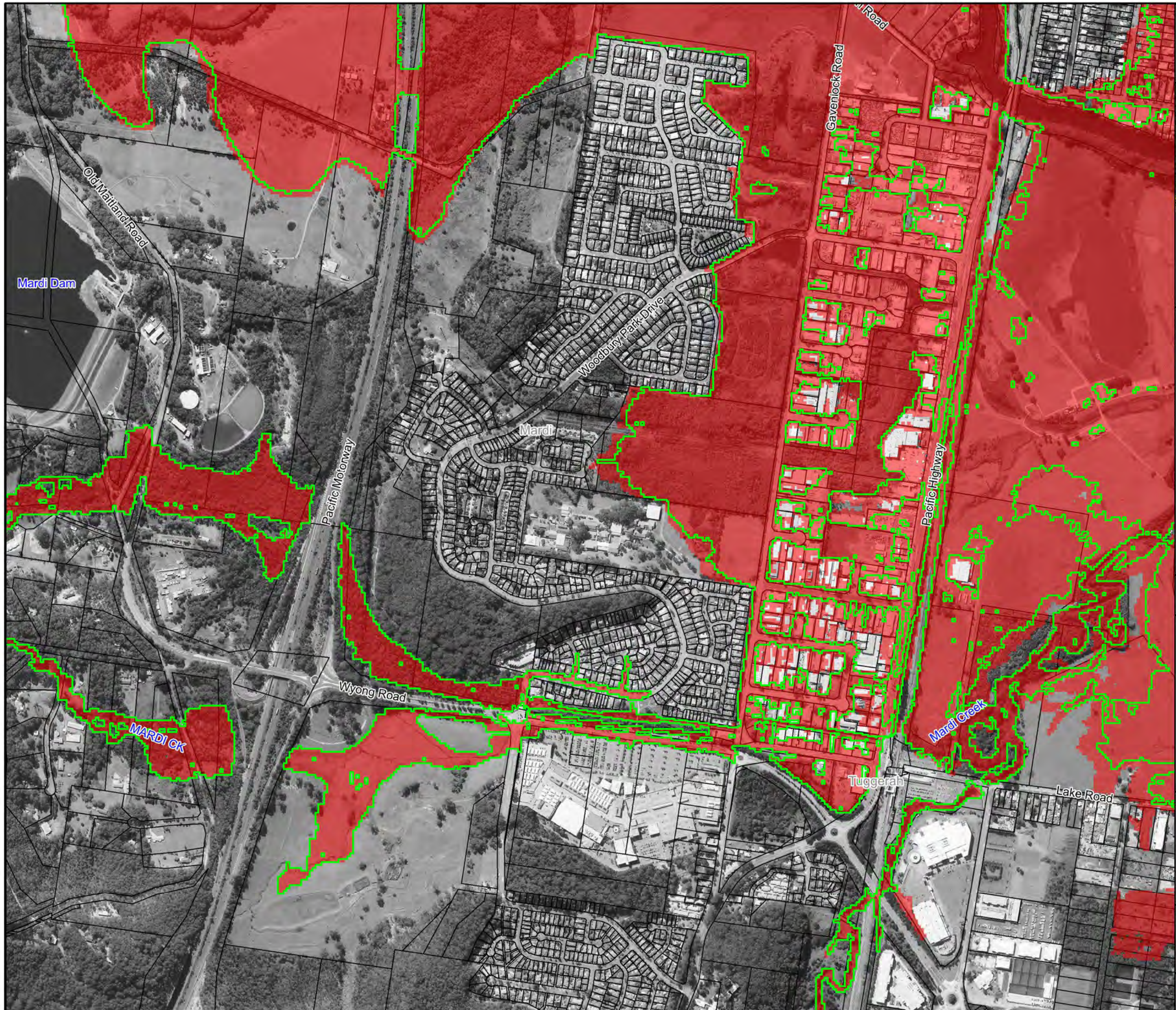
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.25:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

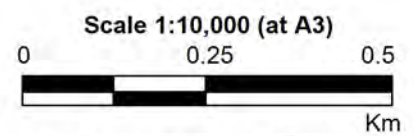
Prepared By:  
**Catchment Simulation Solutions**  
Suite 2.01, 210 George St  
Sydney, NSW 2000



**LEGEND**

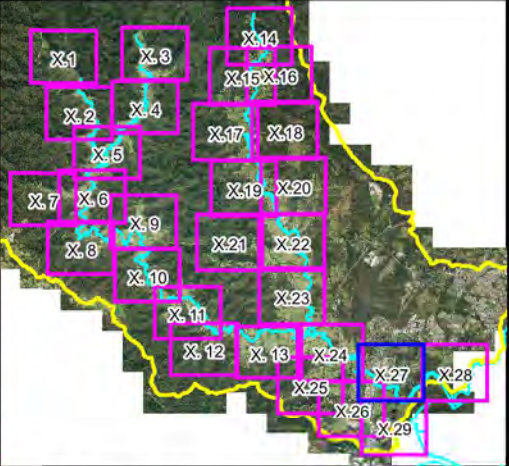
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.26:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

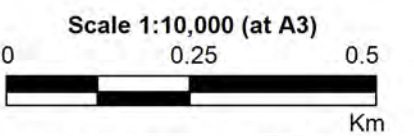
Prepared By:  
**Catchment Simulation Solutions**  
Suite 2.01, 210 George St  
Sydney, NSW 2000



**LEGEND**

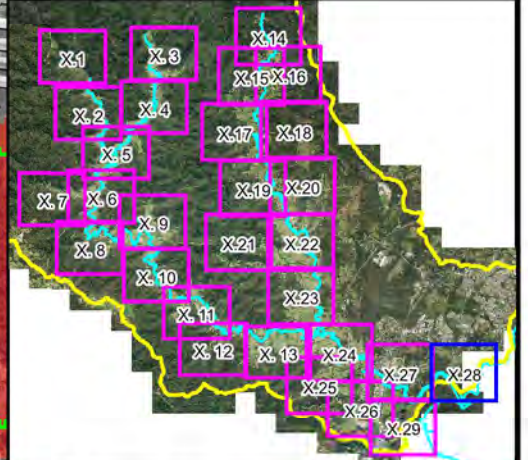
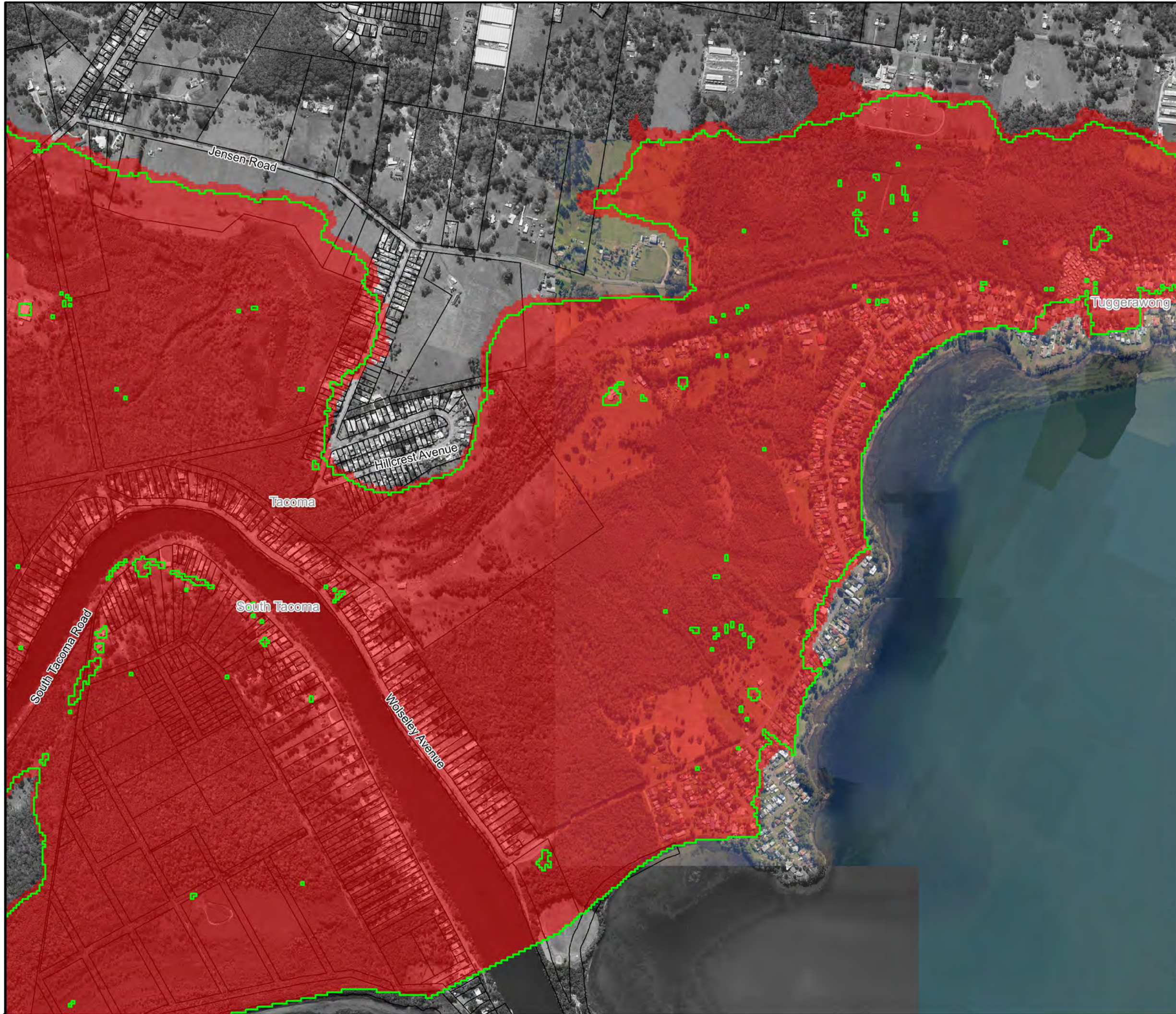
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.27:**  
**Peak 1% AEP Flood**  
**Extent 30% increase in**  
**Rainfall & 0.9m Increase**  
**in Tuggerah Lake Level**

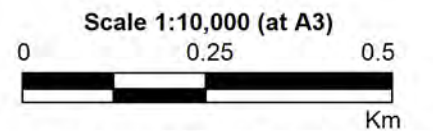
Prepared By:  
**Catchment Simulation Solutions**  
Suite 2.01, 210 George St  
Sydney, NSW 2000



**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

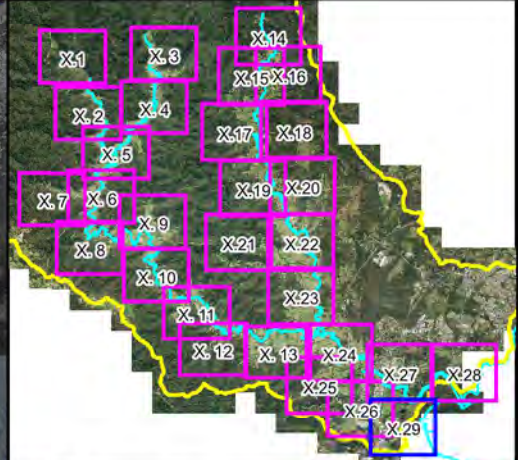
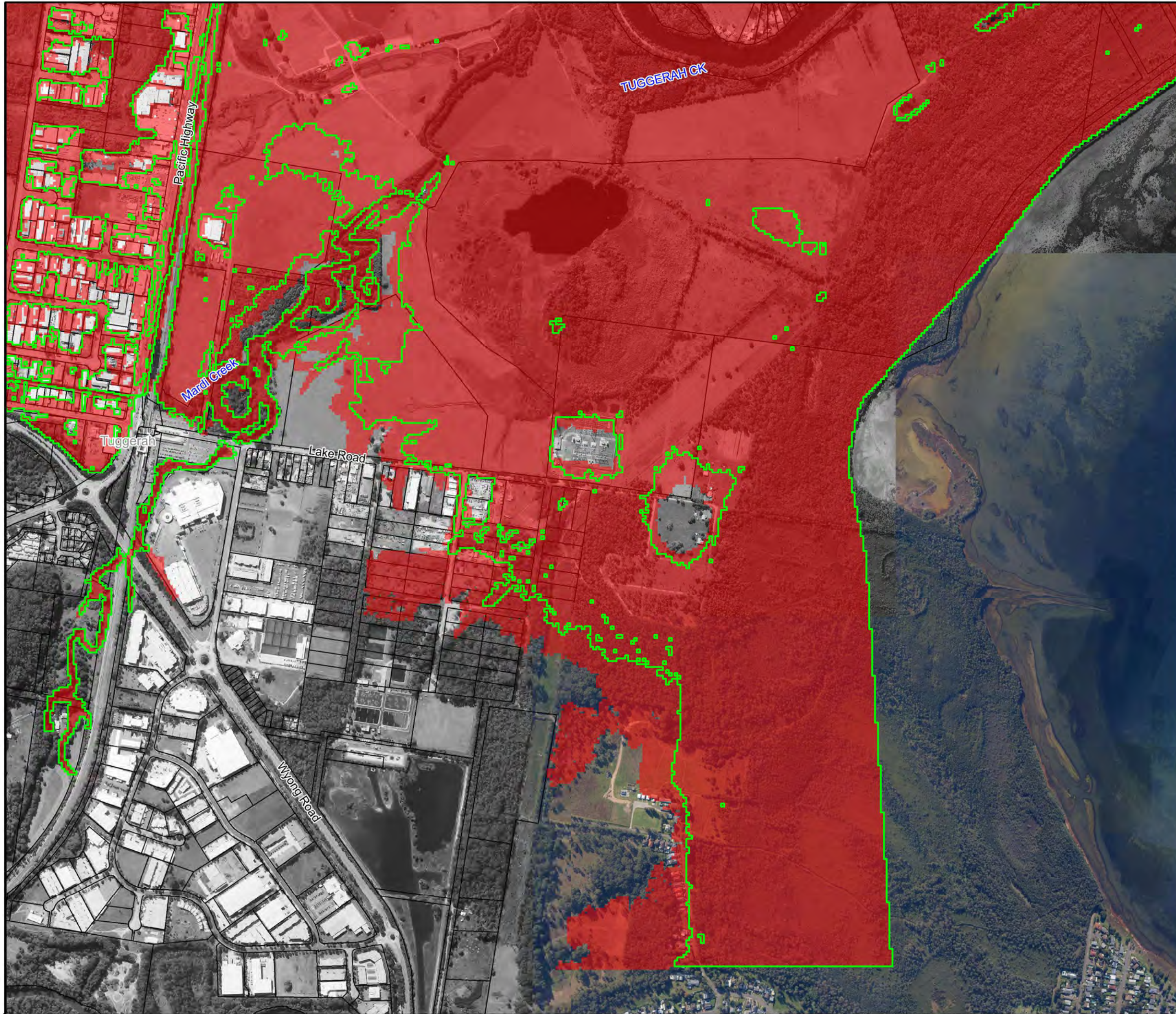
Notes:  
Aerial photograph dated 2014



**Figure A17.28:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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

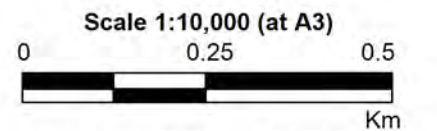




**LEGEND**

- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:  
Aerial photograph dated 2014



**Figure A17.29:  
Peak 1% AEP Flood  
Extent 30% increase in  
Rainfall & 0.9m Increase  
in Tuggerah Lake Level**

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

File Name: Figure A17.29 CC30 1% AEP.wor

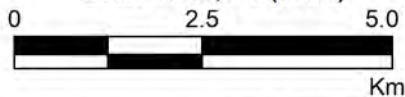


**LEGEND**


-  Rainfall Gauge
-  Water Level Recorder
-  Catchment Boundary
-  PMF Extent



Scale 1:100,000 (at A3)



**Figure A18:  
Hydrological  
infrastructure used  
for Wyong River  
flood warning system**

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

File Name: Hydrological infrastructure used for Wyong River flood warning system.wor



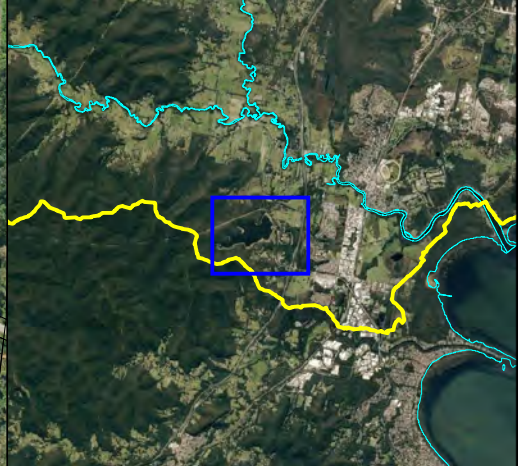
---

# MAP SET B

MARDI CREEK DETENTION BASIN

---

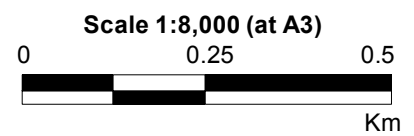
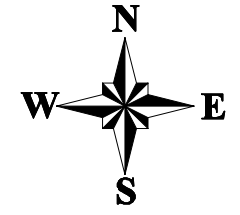




**LEGEND**

- Gross Pollutant Trap
- Culvert
- Basin Wall
- Spillway
- Detention Basin
- Access Roadway

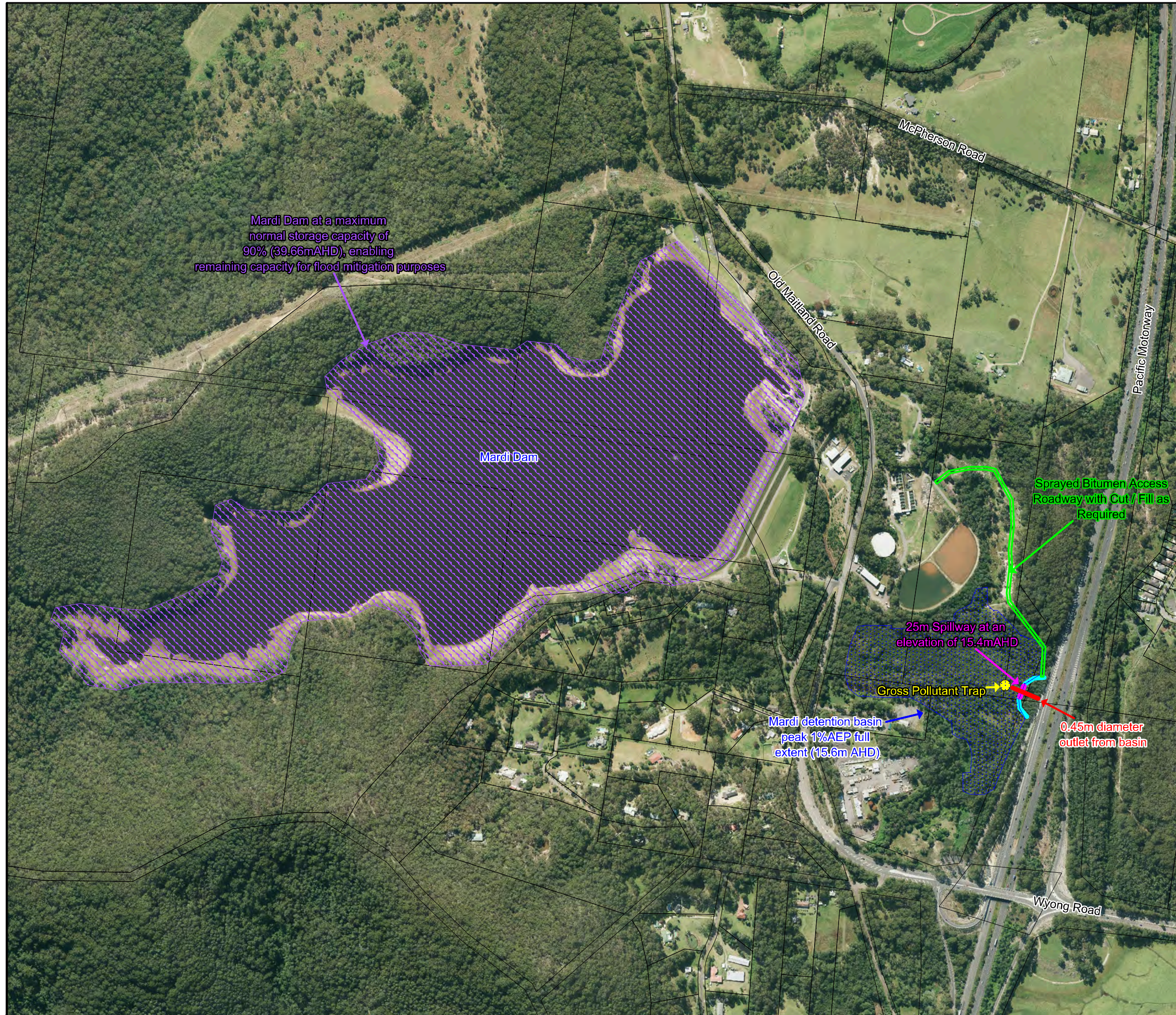
Notes:

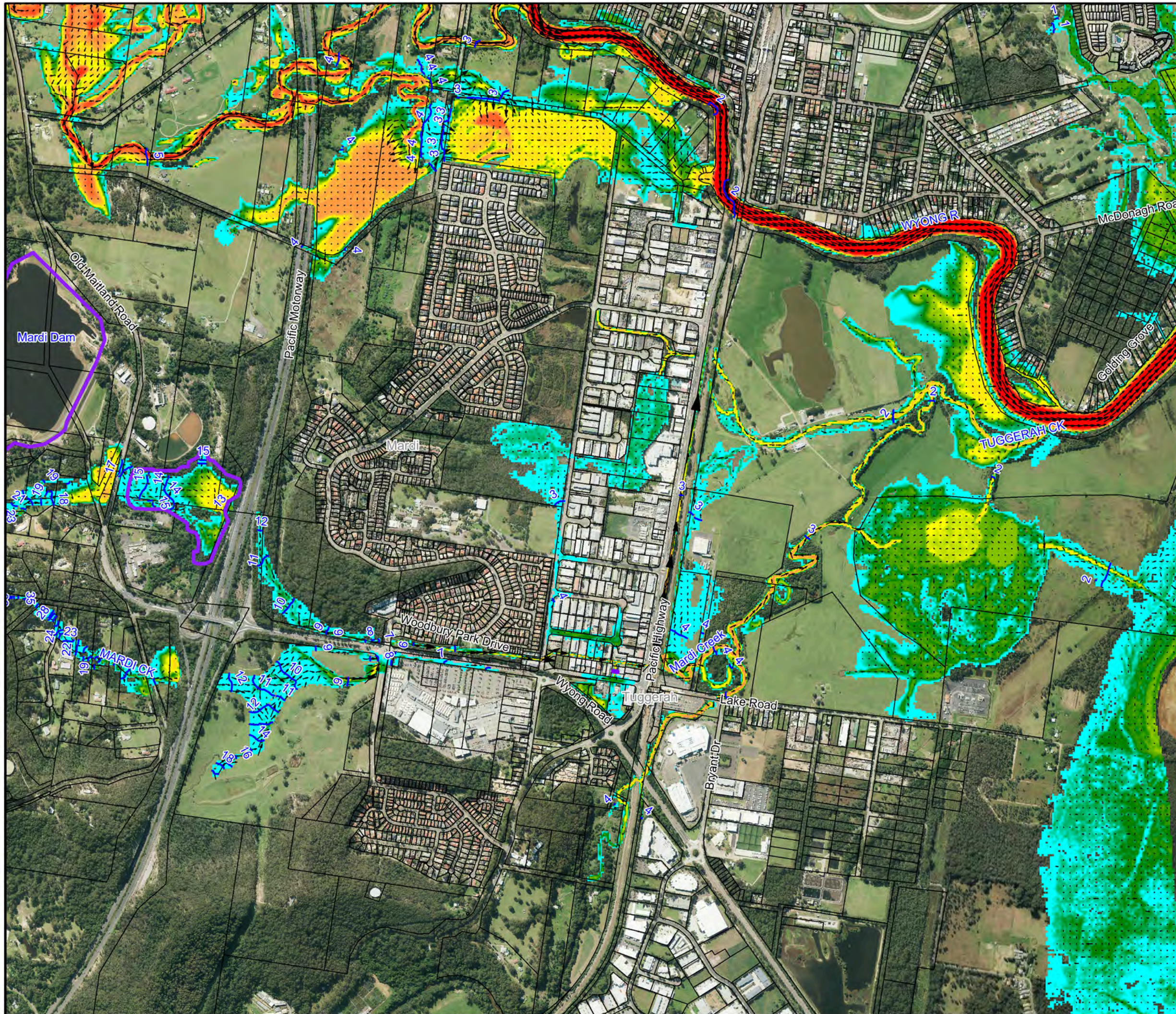


**Figure B1:  
Conceptual Layout  
for Mardi Creek  
Detention Basin**

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

File Name: B1 Figure Conceptual Layout  
 Mardi Ck Detention Basin.wor

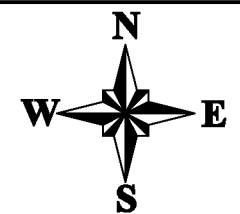




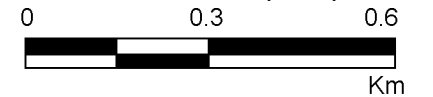
**LEGEND**

- Peak Water Level Contour (mAHD)
  - Mardi Ck Detention Basin Location
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2     | 0.5 m/s               |
| 0.5        | 1.0 m/s               |
| 1.0        | 2.0 m/s               |
| 2.0        |                       |
| 3.0        |                       |

Notes:



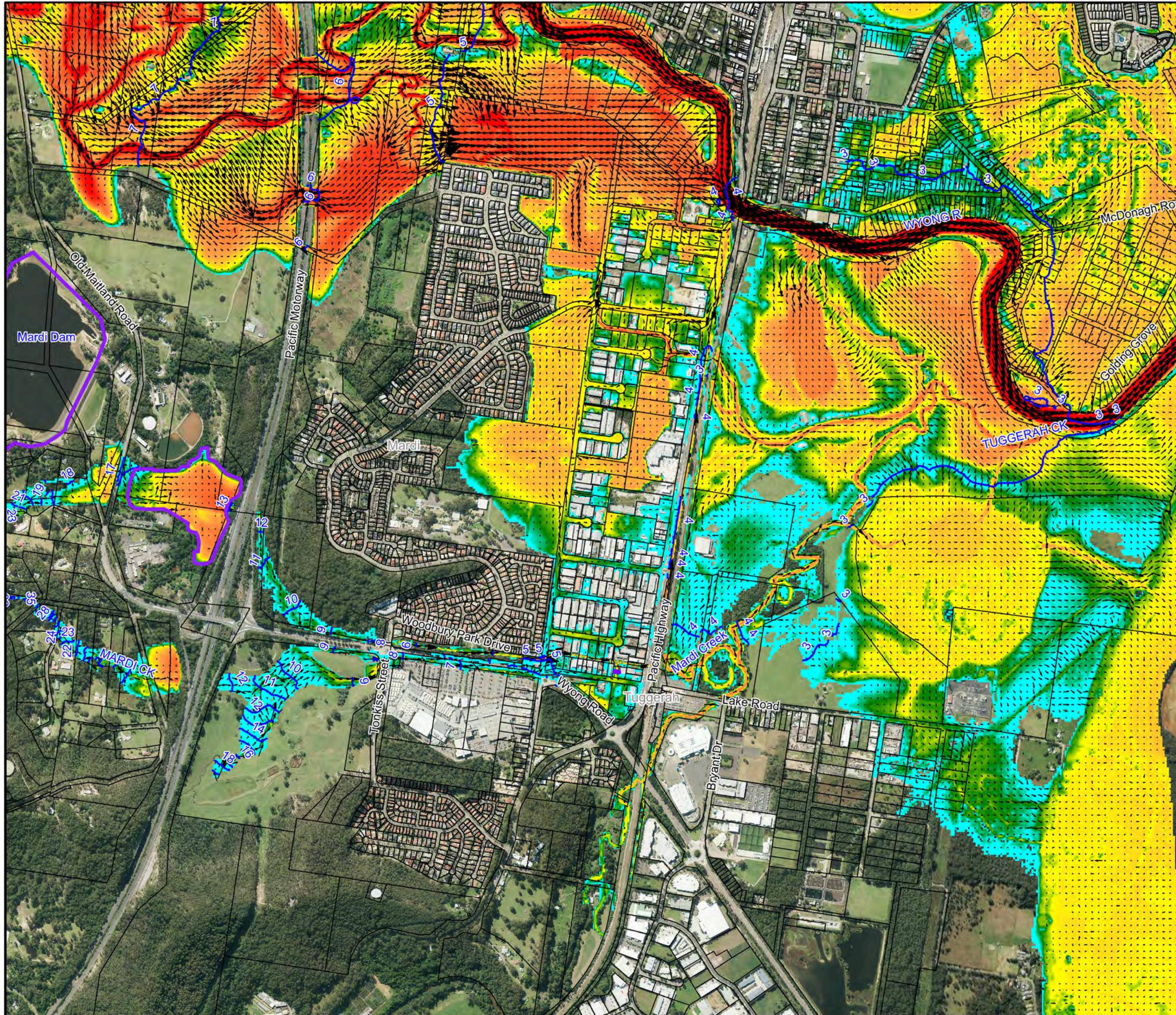
Scale 1:14,000 (at A3)



**Figure B2:**  
**Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Mardi Creek Detention Basin**

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

File Name: Figure B2.DHV Mardi Ck Detention Basin.wor



**LEGEND**

- Peak Water Level Contour (mAHD)
- Mardi Ck Detention Basin Location

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.5 m/s
0.5	1.0 m/s
1.0	2.0 m/s
2.0	
3.0	

Notes:

Scale 1:14,000 (at A3)

**Figure B3:**  
**Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Mardi Creek Detention Basin**

Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000  
 File Name: Figure B3.DHV Mardi Ck Detention Basin.wor

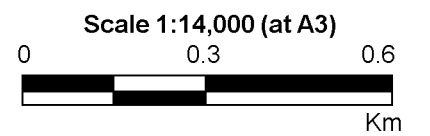
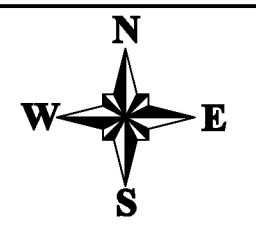


**LEGEND**

**Flood Level Difference (m)**

0.50
0.20
0.10
0.02
-0.02
-0.10
-0.20
-0.50
Previously wet now dry
Previously dry now wet
Mardi Ck Detention Basin Location

Notes:



**Figure B4:**  
**Flood Level Difference Mapping for the 20% AEP Flood with Mardi Creek Detention Basin**

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

File Name: Figure B4 Flood Level Diff  
 20% AEP Mardi Detention.wor

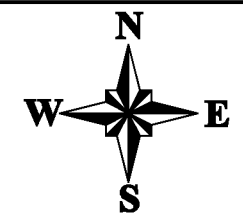




**LEGEND**

Flood Level Difference (m)	
0.50	0.20
0.10	0.02
0.02	-0.02
-0.02	-0.10
-0.10	-0.20
-0.20	-0.50
Previously wet now dry	Previously dry now wet
Mardi Ck Detention Basin Location	


Notes:



Scale 1:14,000 (at A3)



**Figure B5:  
Flood Level Difference  
Mapping for the 1% AEP  
Flood with Mardi Creek  
Detention Basin**

Prepared By:  

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

File Name: Figure B5 Flood Level Diff  
 1% AEP Mardi Detention.wor





---

# MAP SET C




ANZAC ROAD LEVEE

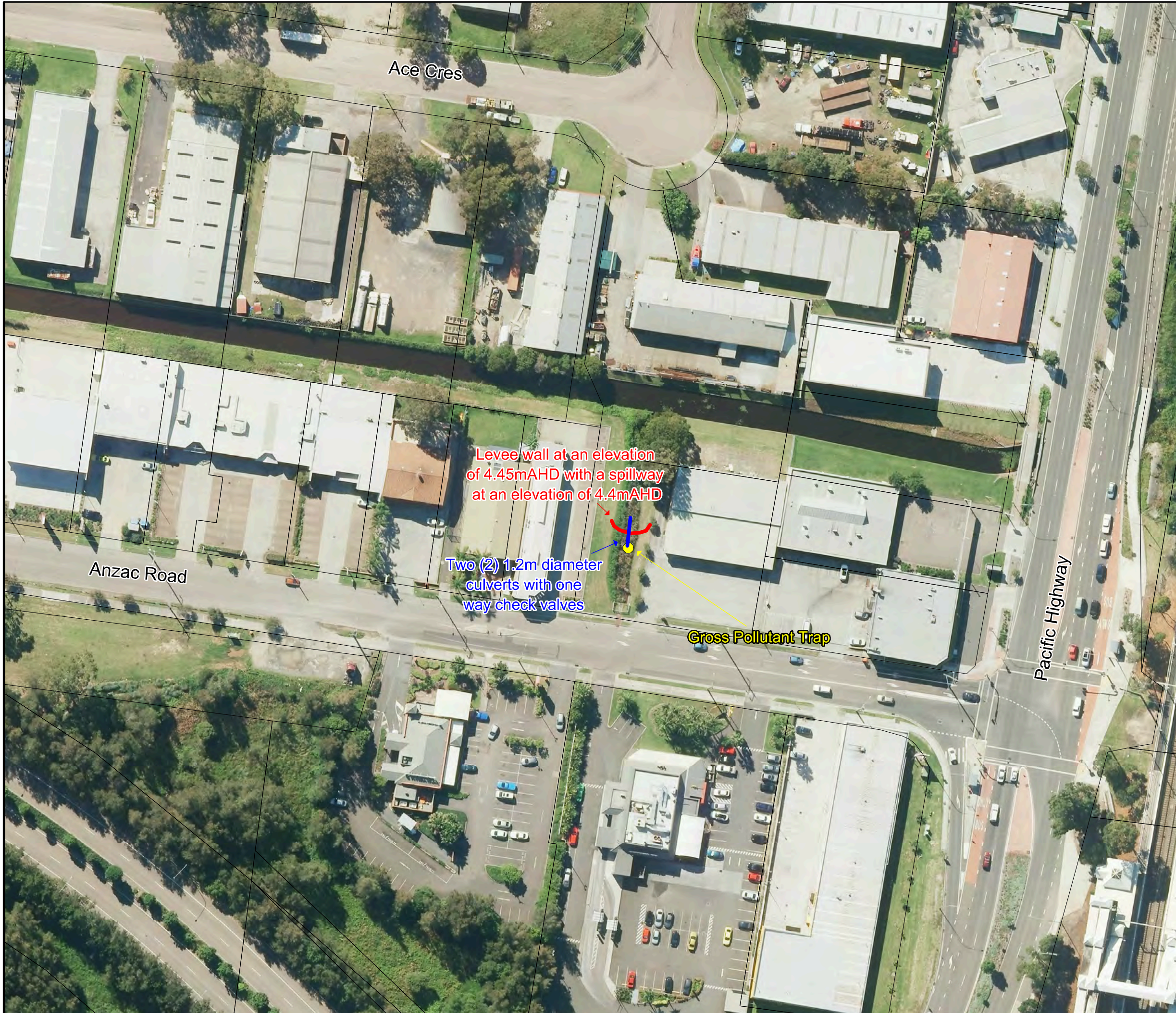
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**LEGEND**

-  Gross Pollutant Trap
-  Culvert
-  Levee Wall

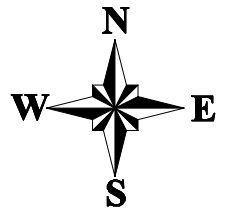


Levee wall at an elevation of 4.45m AHD with a spillway at an elevation of 4.4m AHD

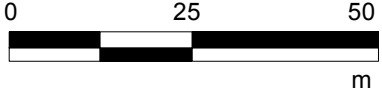
Two (2) 1.2m diameter culverts with one way check valves

Gross Pollutant Trap


Notes:



Scale 1:1,000 (at A3)



**Figure C1:  
Conceptual Layout  
for Anzac Road Levee**

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

File Name: C1 Figure Conceptual Layout for Anzac Road Levee.wor

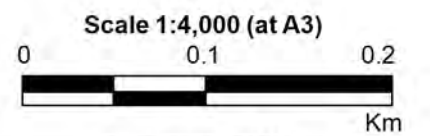


**LEGEND**

- Peak Water Level Contour (mAHD)
- Anzac Rd Levee Location

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

Notes:



**Figure C2:**  
**Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Anzac Road Levee**

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

File Name: Figure C2.DHV Anzac Road Levee.wor





**LEGEND**

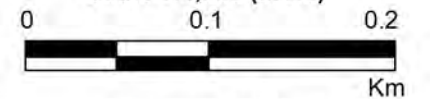
- Peak Water Level Contour (mAHD)
- Anzac Rd Levee Location

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

Notes:



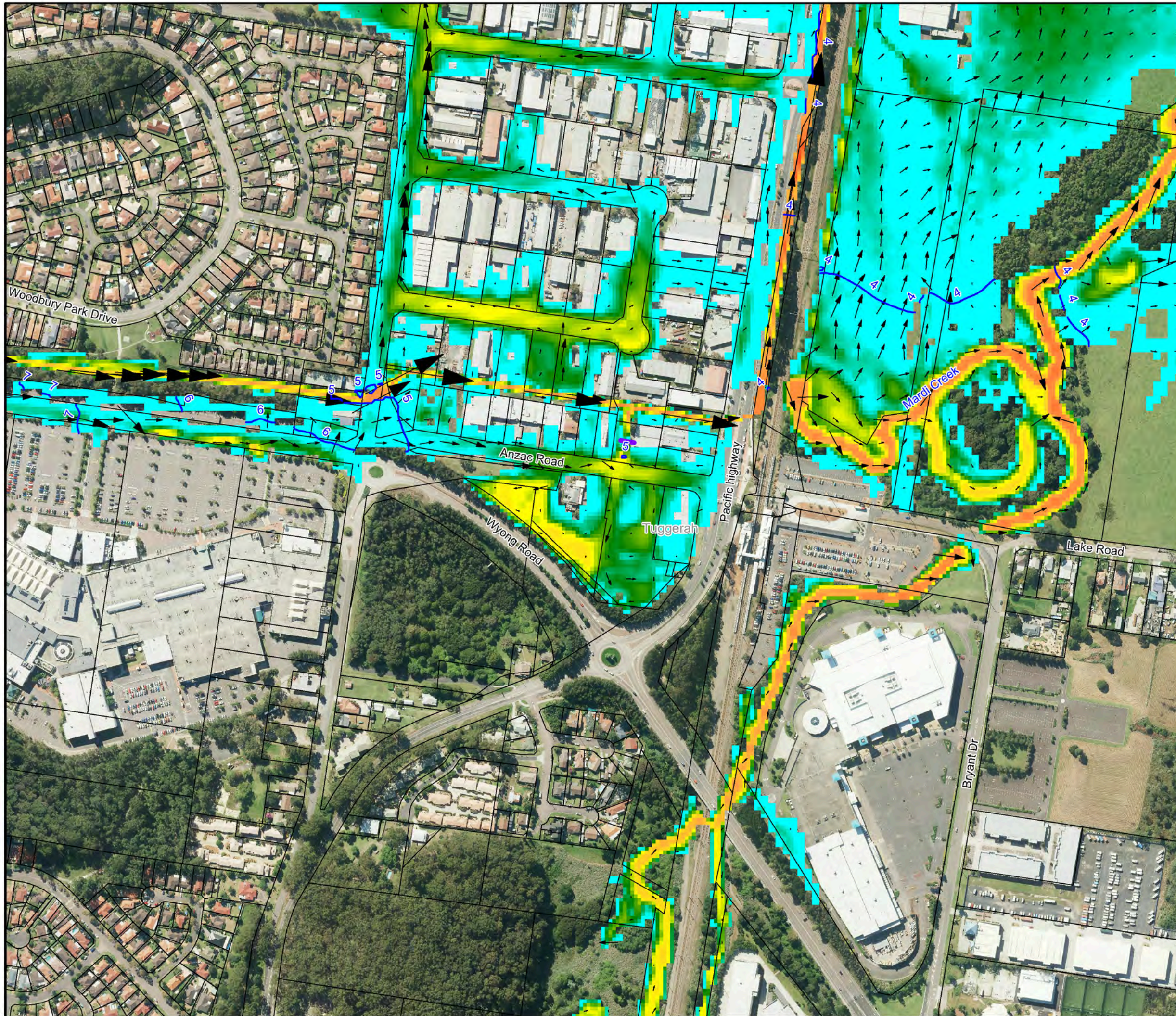
Scale 1:4,000 (at A3)

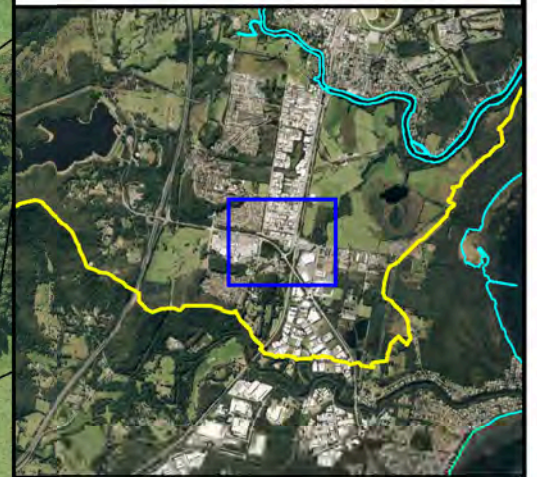


**Figure C3:**  
**Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Anzac Road Levee**

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

File Name: Figure C3.DHV Anzac Road Levee.wor





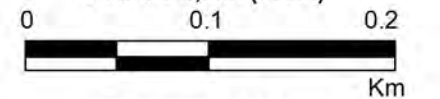
**LEGEND**

Flood Level Difference (m)	
<span style="color: red;">■</span>	0.50
<span style="color: orange;">■</span>	0.20
<span style="color: yellow;">■</span>	0.10
<span style="color: lightgreen;">■</span>	0.02
<span style="color: cyan;">■</span>	-0.02
<span style="color: lightblue;">■</span>	-0.10
<span style="color: blue;">■</span>	-0.20
<span style="color: darkblue;">■</span>	-0.50
<span style="background-color: black; color: black;">■</span>	Previously wet now dry
<span style="background-color: magenta; color: magenta;">■</span>	Previously dry now wet
<span style="color: purple;">—</span>	Anzac Rd Levee Location

Notes:



Scale 1:4,000 (at A3)



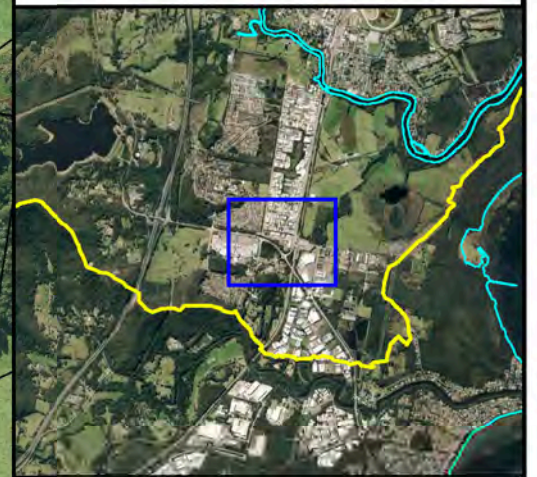
**Figure C4:  
Flood Level Difference  
Mapping for the 20% AEP  
Flood with Anzac  
Road Levee**

Prepared By:

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

File Name: Figure C4 Flood Level Diff  
20% AEP Anzac Levee.wor





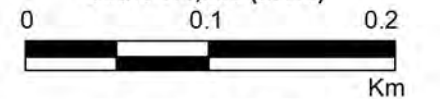
**LEGEND**

Flood Level Difference (m)	
<span style="color: red;">■</span>	0.50
<span style="color: orange;">■</span>	0.20
<span style="color: yellow;">■</span>	0.10
<span style="color: lightgreen;">■</span>	0.02
<span style="color: cyan;">■</span>	-0.02
<span style="color: lightblue;">■</span>	-0.10
<span style="color: blue;">■</span>	-0.20
<span style="color: darkblue;">■</span>	-0.50
<span style="border: 1px solid black;">■</span>	Previously wet now dry
<span style="color: magenta;">■</span>	Previously dry now wet
<span style="color: purple;">—</span>	Anzac Rd Levee Location

Notes:



Scale 1:4,000 (at A3)

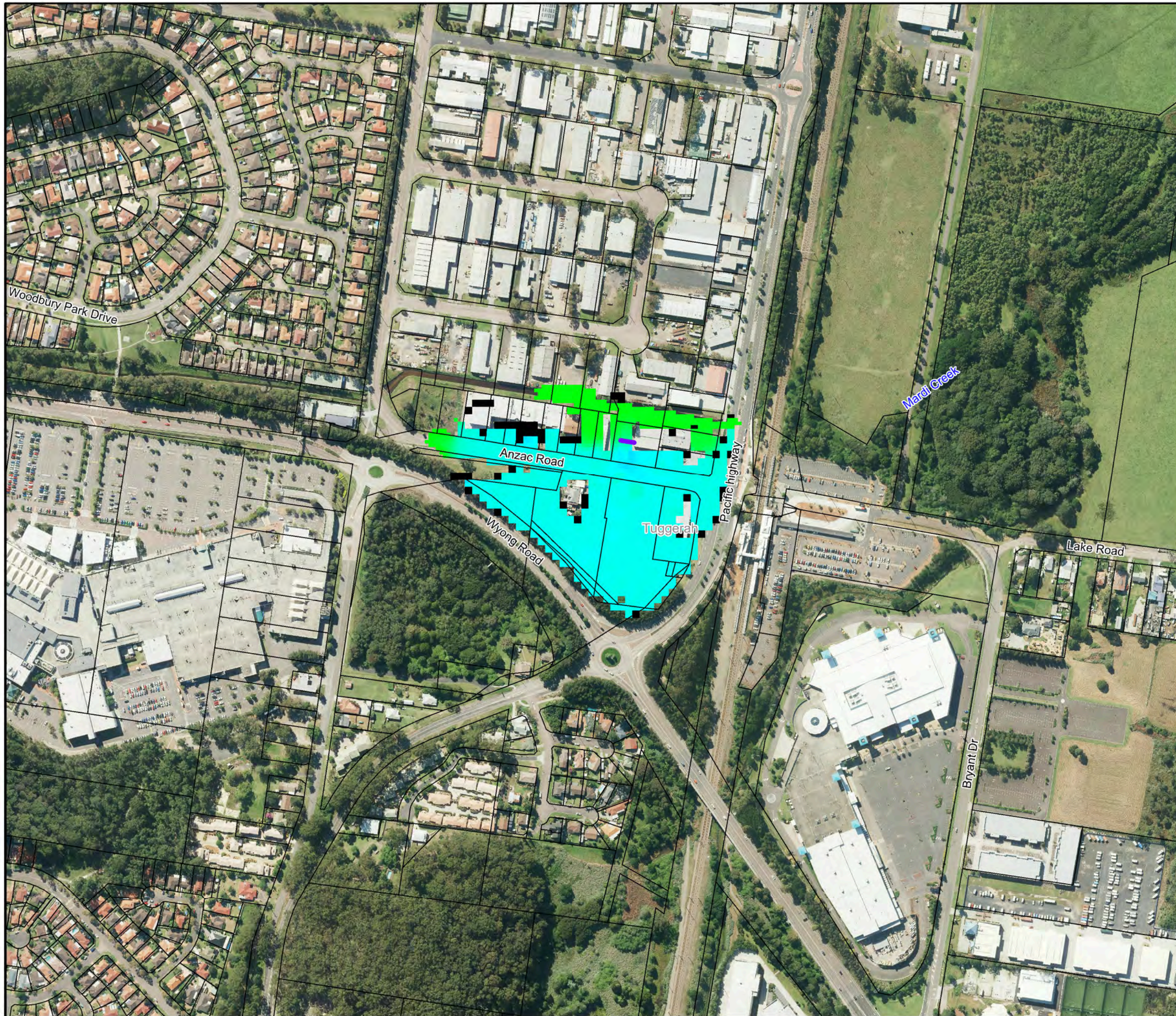


**Figure C5:  
Flood Level Difference  
Mapping for the 1% AEP  
Flood with Anzac  
Road Levee**

Prepared By:

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

File Name: Figure C5 Flood Level Diff  
1% AEP Anzac Levee.wor



---

# MAP SET D


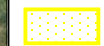
## MARDI CREEK RELIEF FLOODWAY

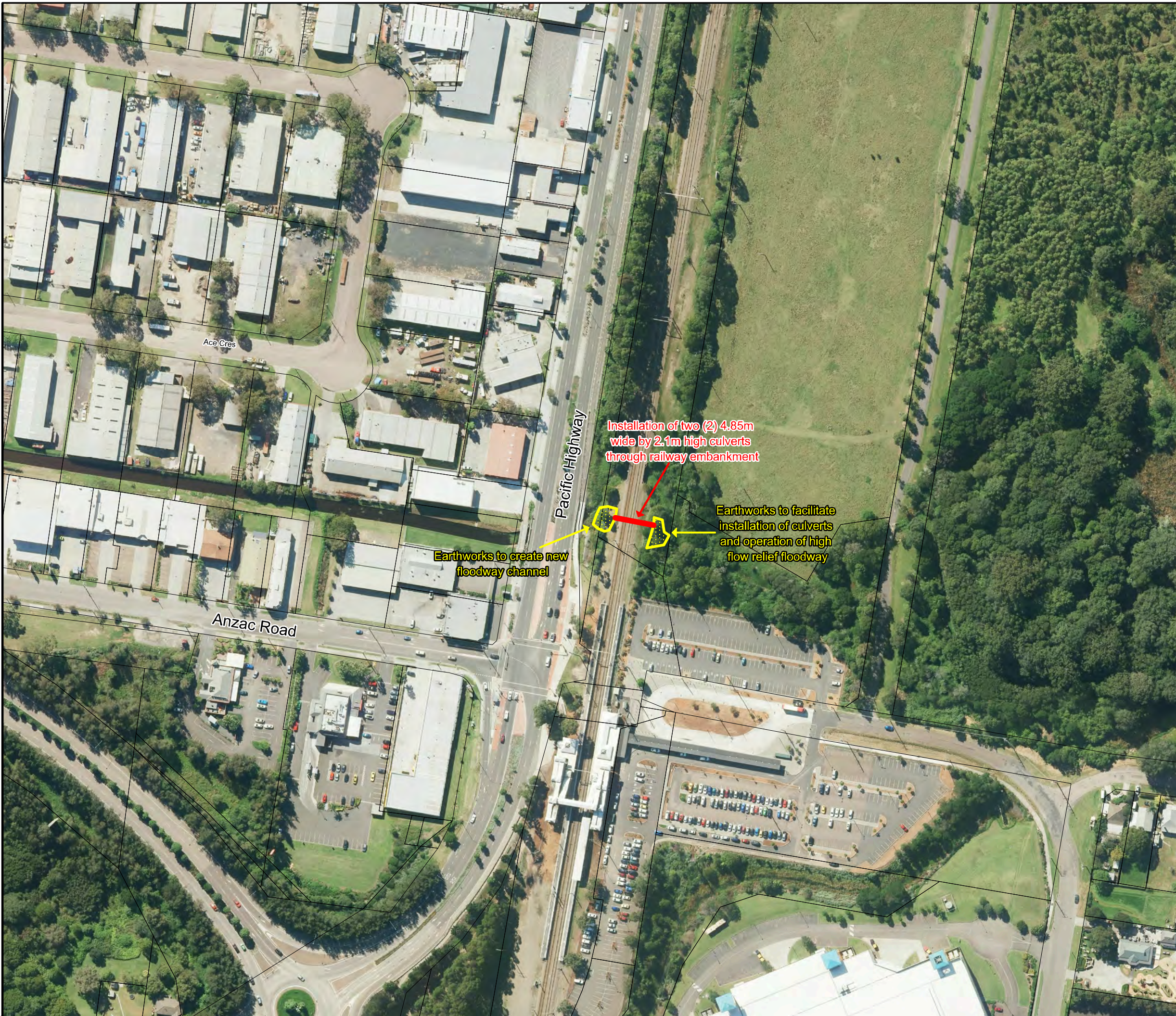
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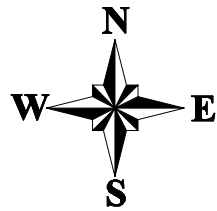


**LEGEND**

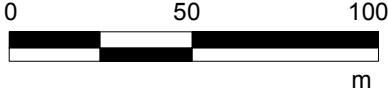
-  Culvert
-  Relief Floodway




Notes:



Scale 1:2,000 (at A3)



**Figure D1:  
Conceptual Layout  
for Mardi Creek  
Relief Floodway**

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

File Name: D1 Figure Conceptual Layout  
Mardi Ck Relief Floodway.wor





**LEGEND**

— Peak Water Level Contour (mAHD)

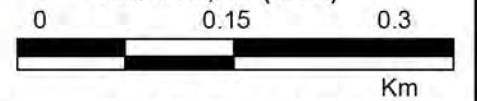
— Relief Floodway Location

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

Notes:



Scale 1:5,000 (at A3)

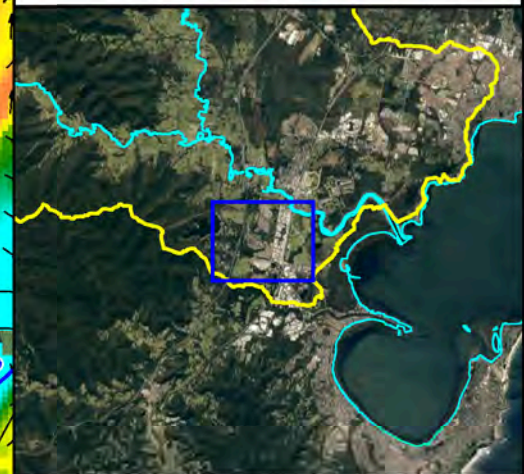


**Figure D2:  
Peak Floodwater Depths,  
Velocities & Levels for the  
20% AEP Flood with  
Mardi Creek Floodway**

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

File Name: Figure D2.DHV Mardi Creek Floodway.wor





**LEGEND**

- Peak Water Level Contour (mAHD)
- Relief Floodway Location

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

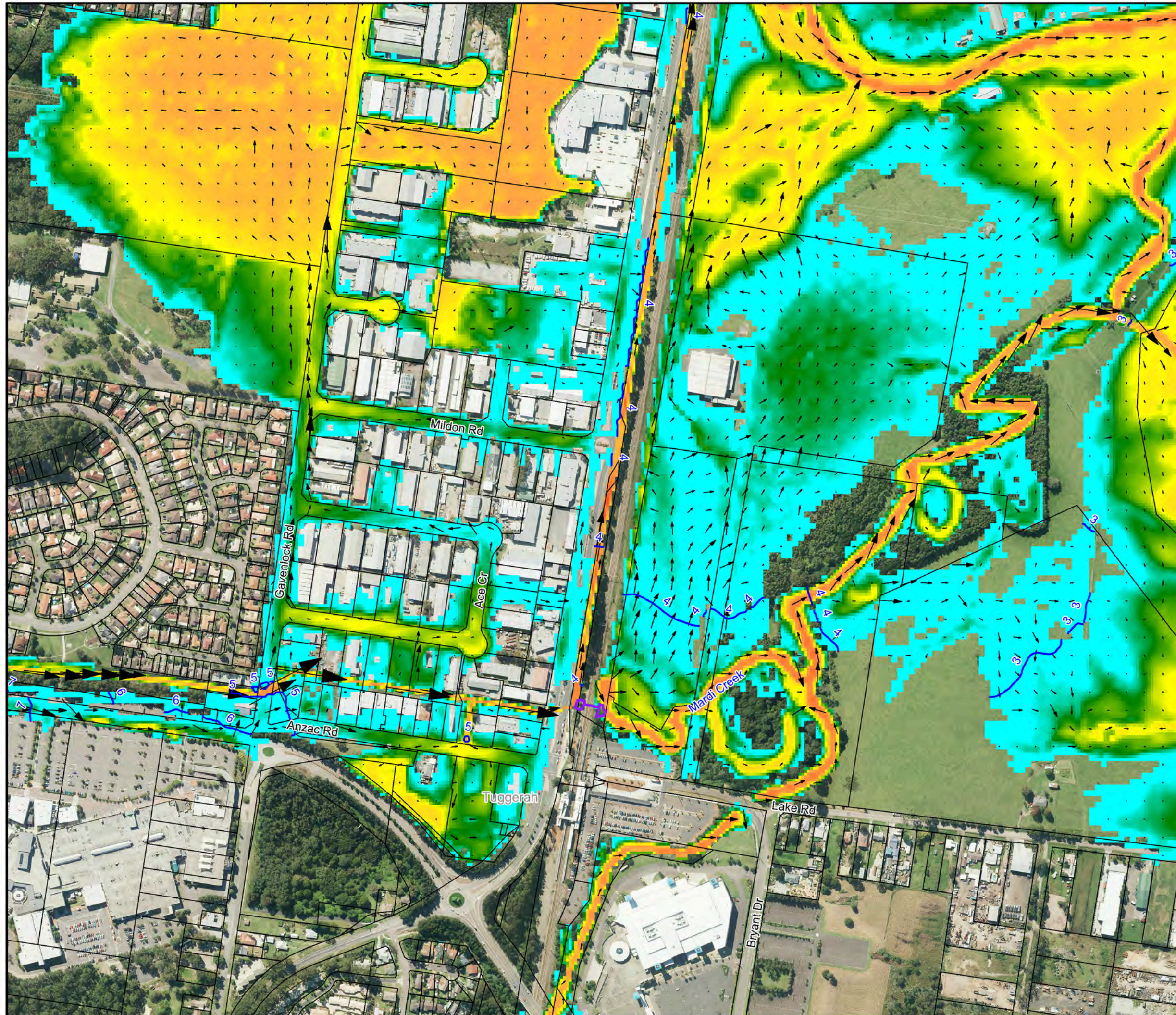
Notes:

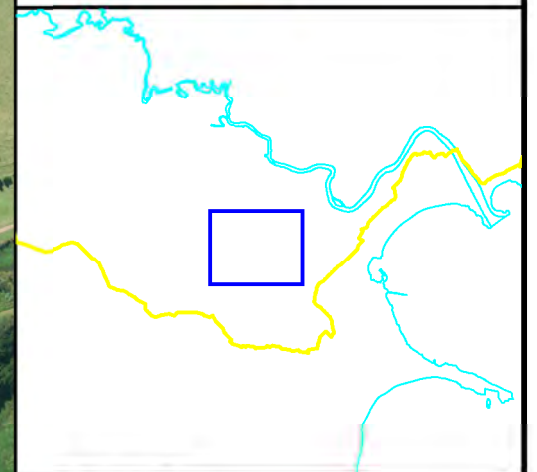
Scale 1:5,000 (at A3)

0 0.15 0.3 Km

**Figure D3:  
Peak Floodwater Depths,  
Velocities & Levels for the  
1% AEP Flood with Mardi  
Creek Floodway**

Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000  
 File Name: Figure D3.DHV Mardi Creek Floodway.wor





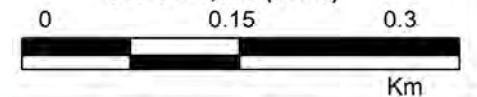
**LEGEND**

Flood Level Difference (m)	
<span style="color: red;">■</span>	0.50
<span style="color: orange;">■</span>	0.20
<span style="color: yellow;">■</span>	0.10
<span style="color: lightgreen;">■</span>	0.02
<span style="color: cyan;">■</span>	-0.02
<span style="color: lightblue;">■</span>	-0.10
<span style="color: blue;">■</span>	-0.20
<span style="color: darkblue;">■</span>	-0.50
<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	Previously wet now dry
<span style="background-color: magenta; display: inline-block; width: 10px; height: 10px;"></span>	Previously dry now wet
<span style="background-color: purple; display: inline-block; width: 10px; height: 10px;"></span>	Relief Floodway

Notes:



Scale 1:5,000 (at A3)



**Figure D4:**  
**Flood Level Difference**  
**Mapping for the 20% AEP**  
**Flood with Mardi Creek**  
**Floodway**

Prepared By:

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

File Name: Figure D4 Flood Level Diff  
 20% AEP Mardi Floodway.wor

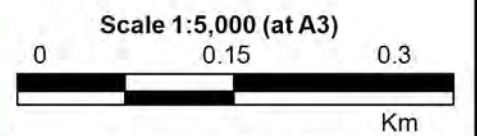




**LEGEND**

Flood Level Difference (m)	
0.50	Red
0.20	Orange
0.10	Yellow
0.02	Light Green
-0.02	Green
-0.10	Cyan
-0.20	Blue
-0.50	Dark Blue
Previously wet now dry	Black
Previously dry now wet	Magenta
Relief Floodway	Purple

Notes:



**Figure D5:  
Flood Level Difference  
Mapping for the 1% AEP  
Flood with Mardi Creek  
Floodway**

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

File Name: Figure D5 Flood Level Diff  
1% AEP Mardi Floodway.wor



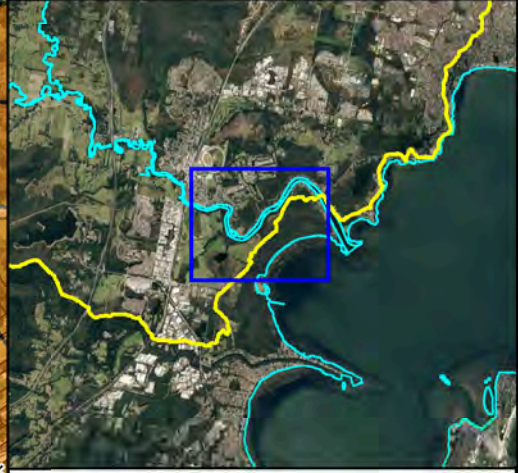
---

# MAP SET E

## SOUTH TACOMA RELIEF FLOODWAY

---





**LEGEND**

- Relief Floodway
- Acid Sulfate Soil Risk
  - High chance of occurrence
  - Low chance of occurrence

Notes:

Scale 1:10,000 (at A3)

0 0.25 0.5 Km

**Figure E1:  
Conceptual Layout  
for South Tacoma  
Relief Floodway**

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

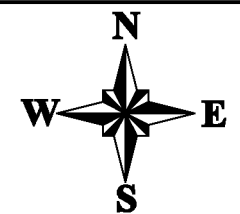
File Name: E1 Figure Conceptual Layout  
Tacoma Relief Floodway.wor



**LEGEND**

- Peak Water Level Contour (mAHD)
  - Relief Floodway Location
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
|            | 1.0 m/s               |
|            | 2.0 m/s               |
|            | 4 m/s                 |
|            |                       |
|            |                       |

Notes:



Scale 1:20,000 (at A3)

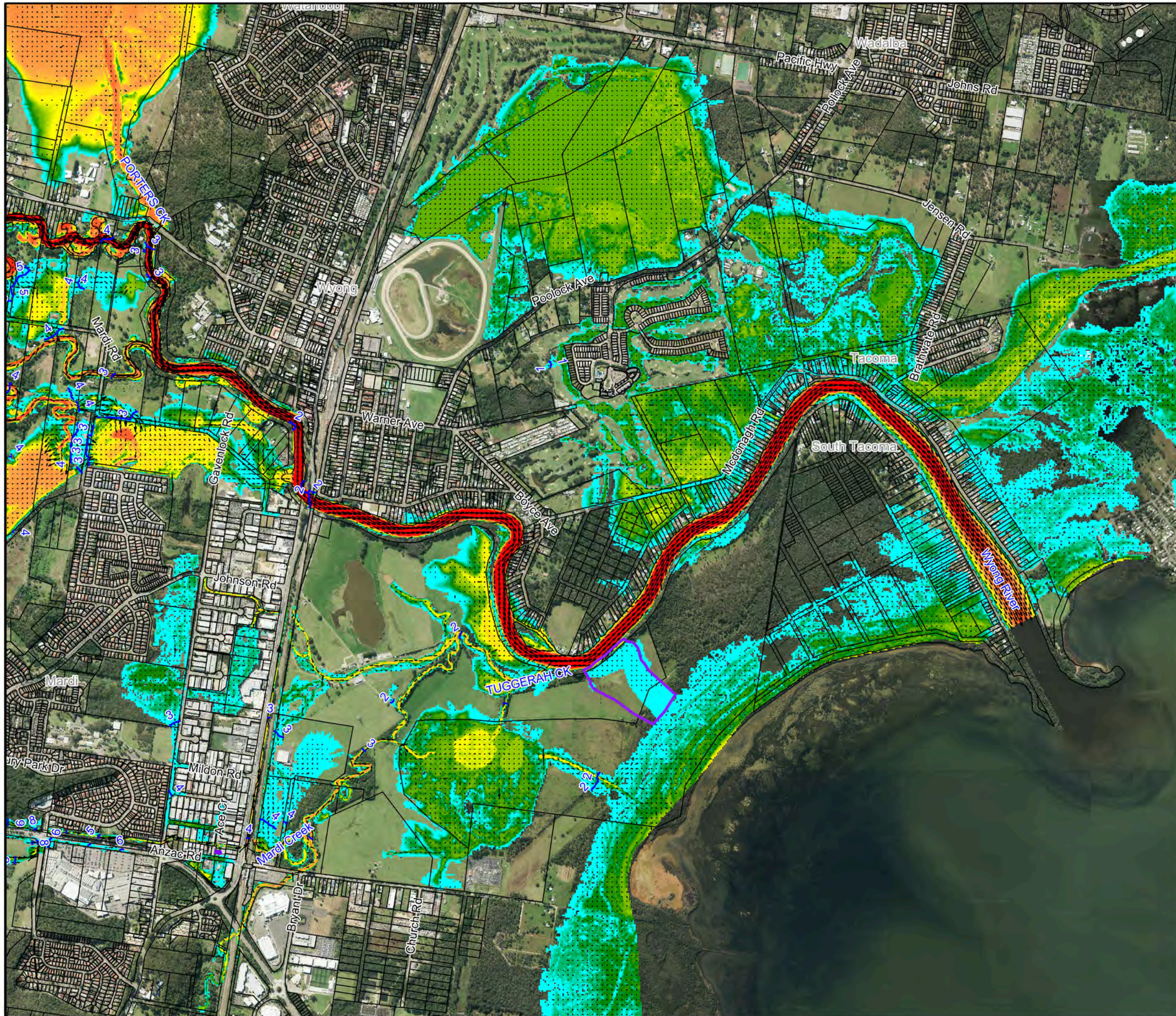


**Figure E2:  
Peak Floodwater Depths,  
Velocities & Levels for the  
20% AEP Flood with  
South Tacoma Floodway**

Prepared By:

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

File Name: Figure E2.DHV South Tacoma Floodway.wor

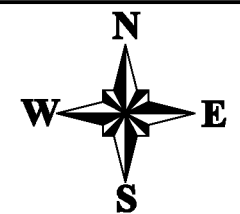




**LEGEND**

- Peak Water Level Contour (mAHD)
  - Relief Floodway Location
- | Depths (m) | Velocity Vector (m/s) |
|------------|-----------------------|
| <= 0.2     | 1.0 m/s               |
| 0.5        | 2.0 m/s               |
| 1.0        | 4 m/s                 |
| 2.0        |                       |
| 3.0        |                       |

Notes:

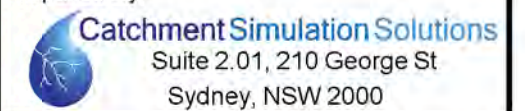


Scale 1:20,000 (at A3)

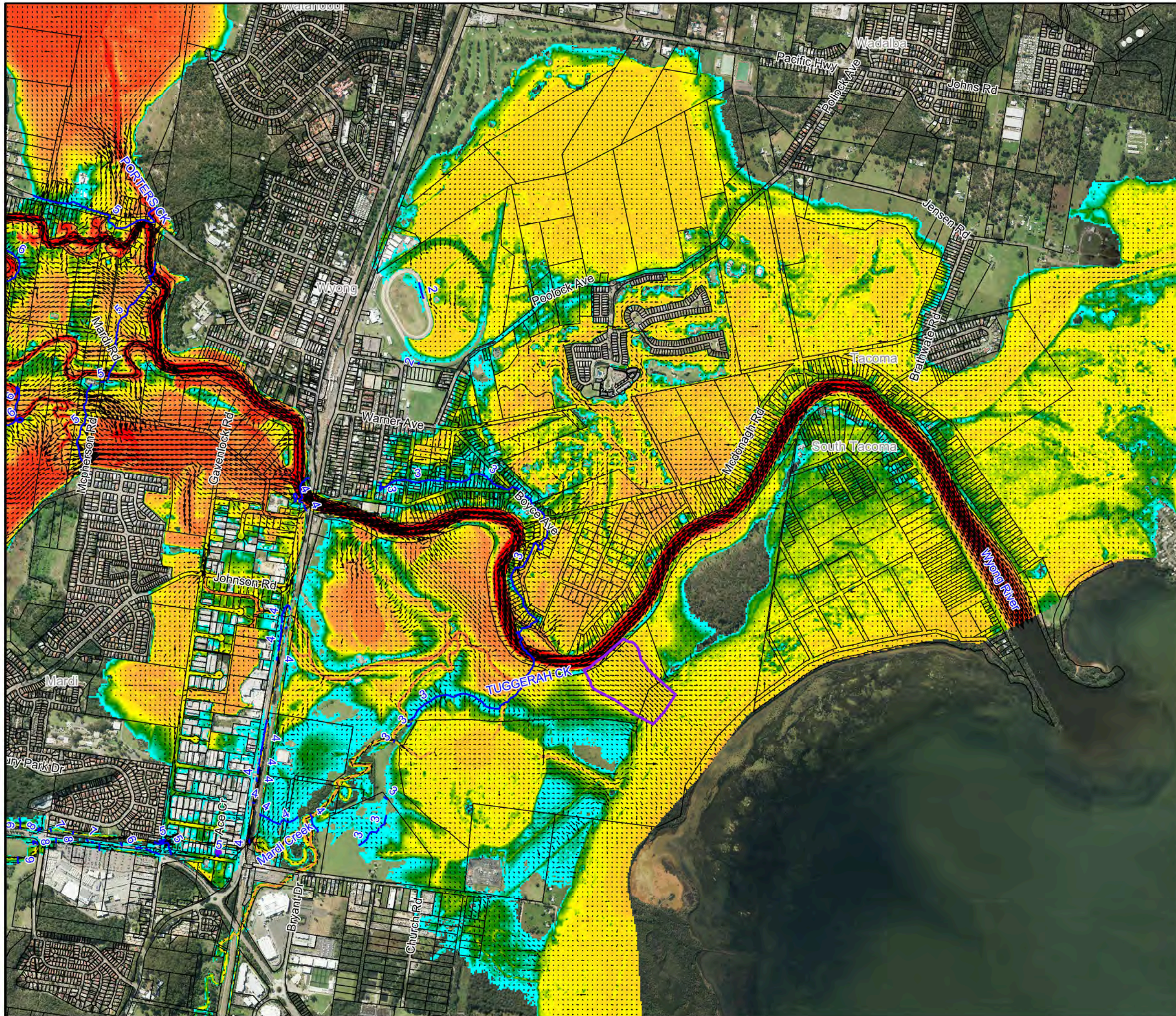


**Figure E3:  
Peak Floodwater Depths,  
Velocities & Levels for the  
1% AEP Flood with South  
Tacoma Floodway**

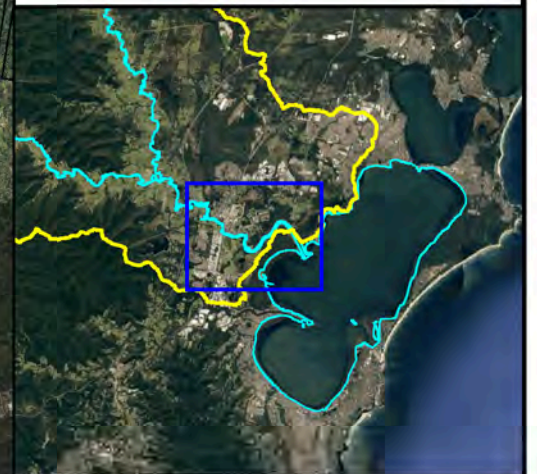
Prepared By:



File Name: Figure E3.DHV South Tacoma Floodway.wor



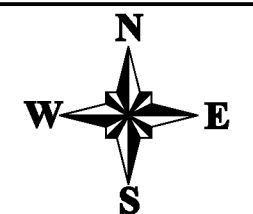




**LEGEND**

Flood Level Difference (m)	
Red	0.50
Orange	0.20
Yellow	0.10
Light Green	0.02
Green	-0.02
Cyan	-0.10
Blue	-0.20
Dark Blue	-0.50
Black	Previously wet now dry
Magenta	Previously dry now wet
White outline	Relief Floodway

Notes:



Scale 1:20,000 (at A3)

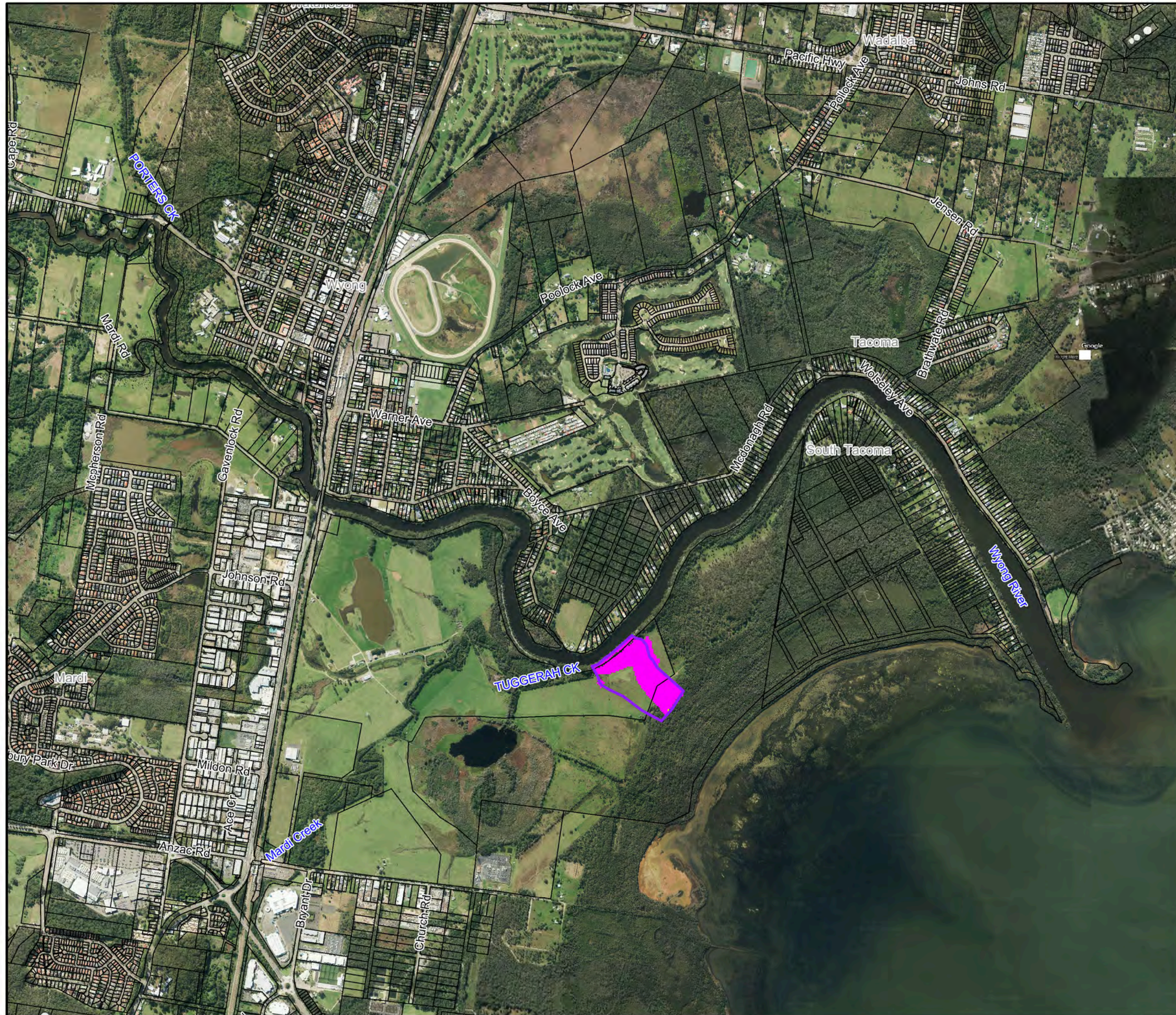


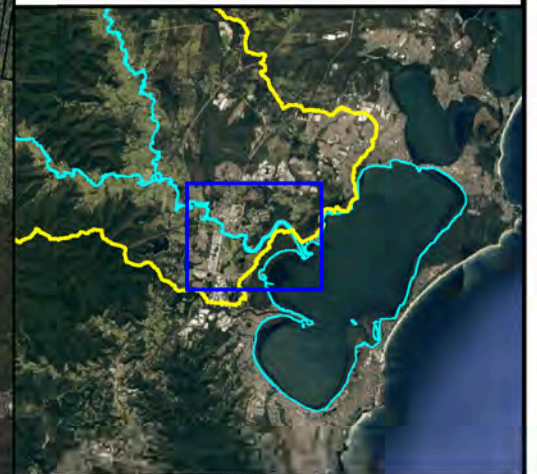
**Figure E4:  
Flood Level Difference  
Mapping for the 20% AEP  
Flood with South  
Tacoma Floodway**

Prepared By:

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

File Name: Figure E4 Flood Level Diff  
20% AEP Tacoma Floodway.wor

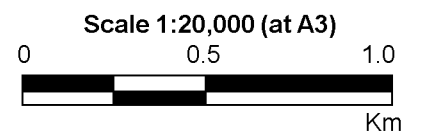
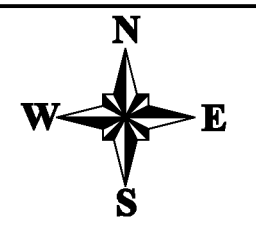




**LEGEND**

Flood Level Difference (m)	
Red	0.50
Orange	0.20
Yellow	0.10
Light Green	0.02
Green	-0.02
Cyan	-0.10
Blue	-0.20
Dark Blue	-0.50
Black	Previously wet now dry
Pink	Previously dry now wet
Purple outline	Relief Floodway

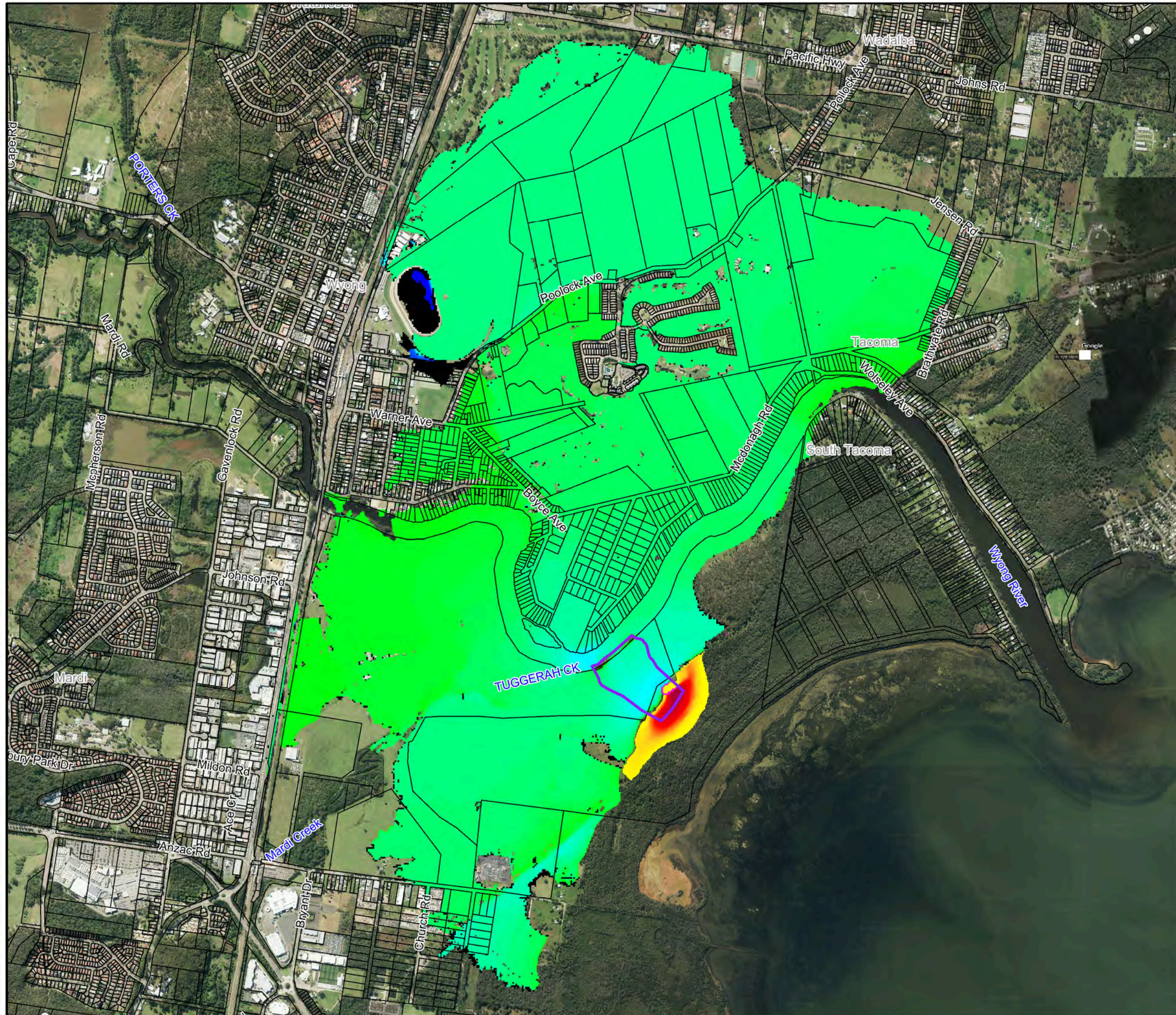
Notes:



**Figure E5:**  
**Flood Level Difference**  
**Mapping for the 1% AEP**  
**Flood with South**  
**Tacoma Floodway**

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

File Name: Figure E5 Flood Level Diff  
 1% AEP Tacoma Floodway.wor



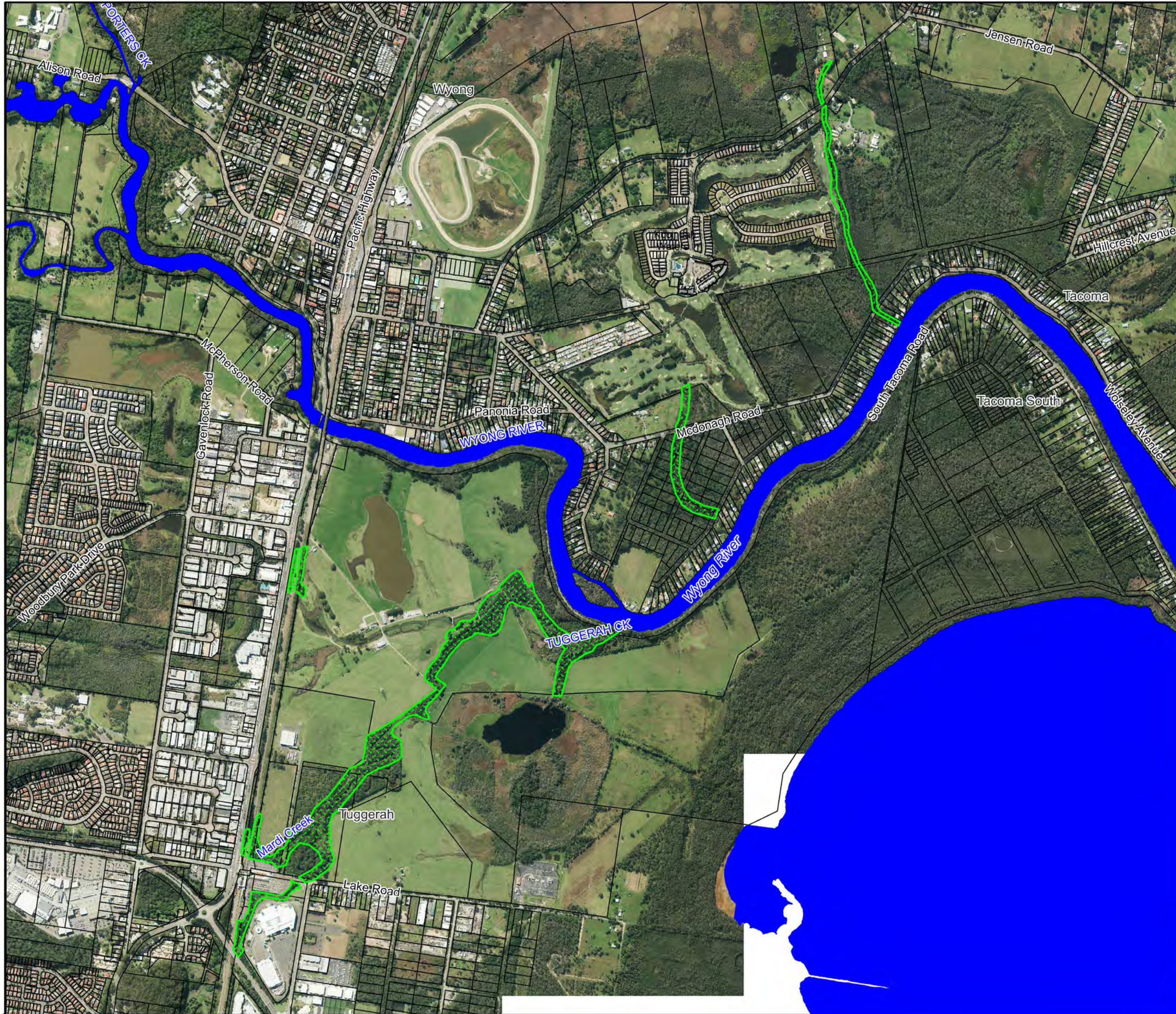
---

# MAP SET F


## VEGETATION REMOVAL ACROSS LOWER FLOODPLAIN

---





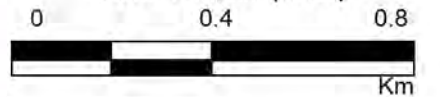
**LEGEND**

 Vegetation Clearing

Notes:




Scale 1:15,000 (at A3)



**Figure F1:  
Extent of Potential  
Vegetation Removal**

Prepared By:

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

File Name: F1 Extent Potential Vegetation Removal.wor

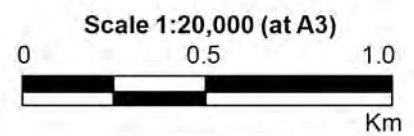


**LEGEND**

- Peak Water Level Contour (mAHD)
- Vegetation Clearing

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

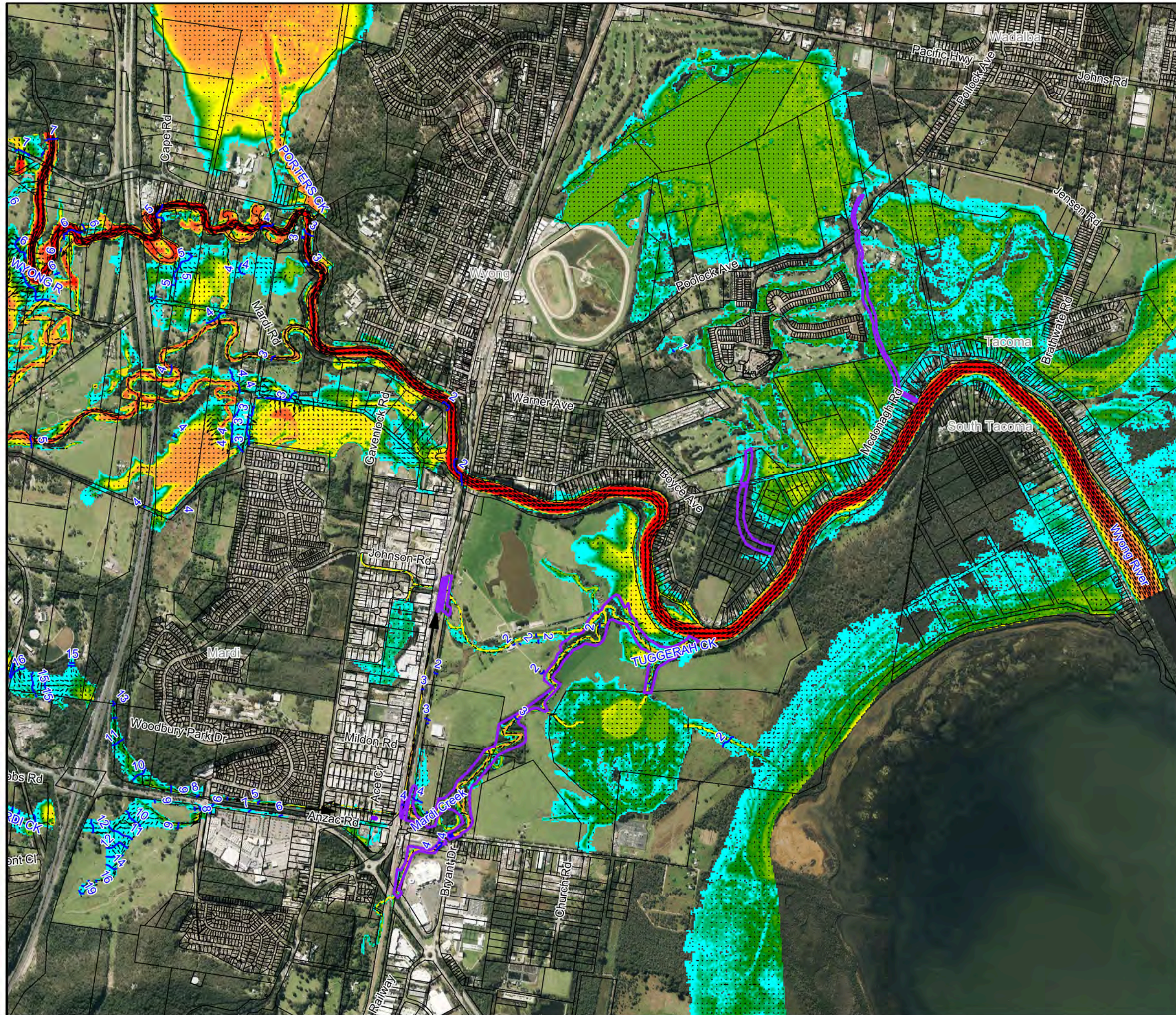
Notes:

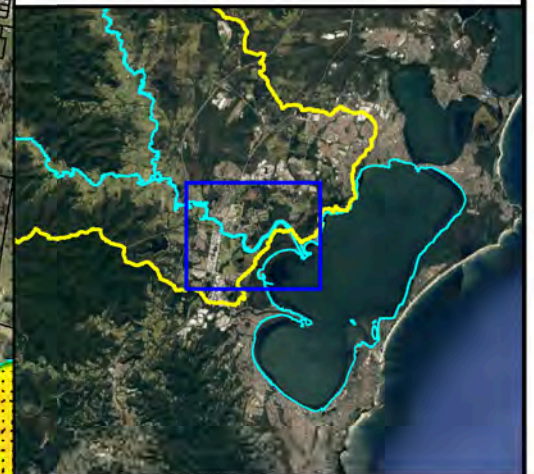


**Figure F2:**  
**Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with Vegetation Removed**

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

File Name: Figure F2.DHV Vegetation Removed.wor



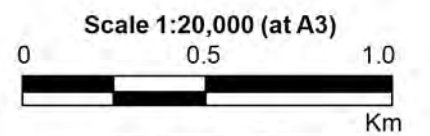


**LEGEND**

- Peak Water Level Contour (mAHD)
- Vegetation Clearing

Depths (m)	Velocity Vector (m/s)
<= 0.2	1.0 m/s
0.5	2.0 m/s
1.0	4.0 m/s
2.0	
3.0	

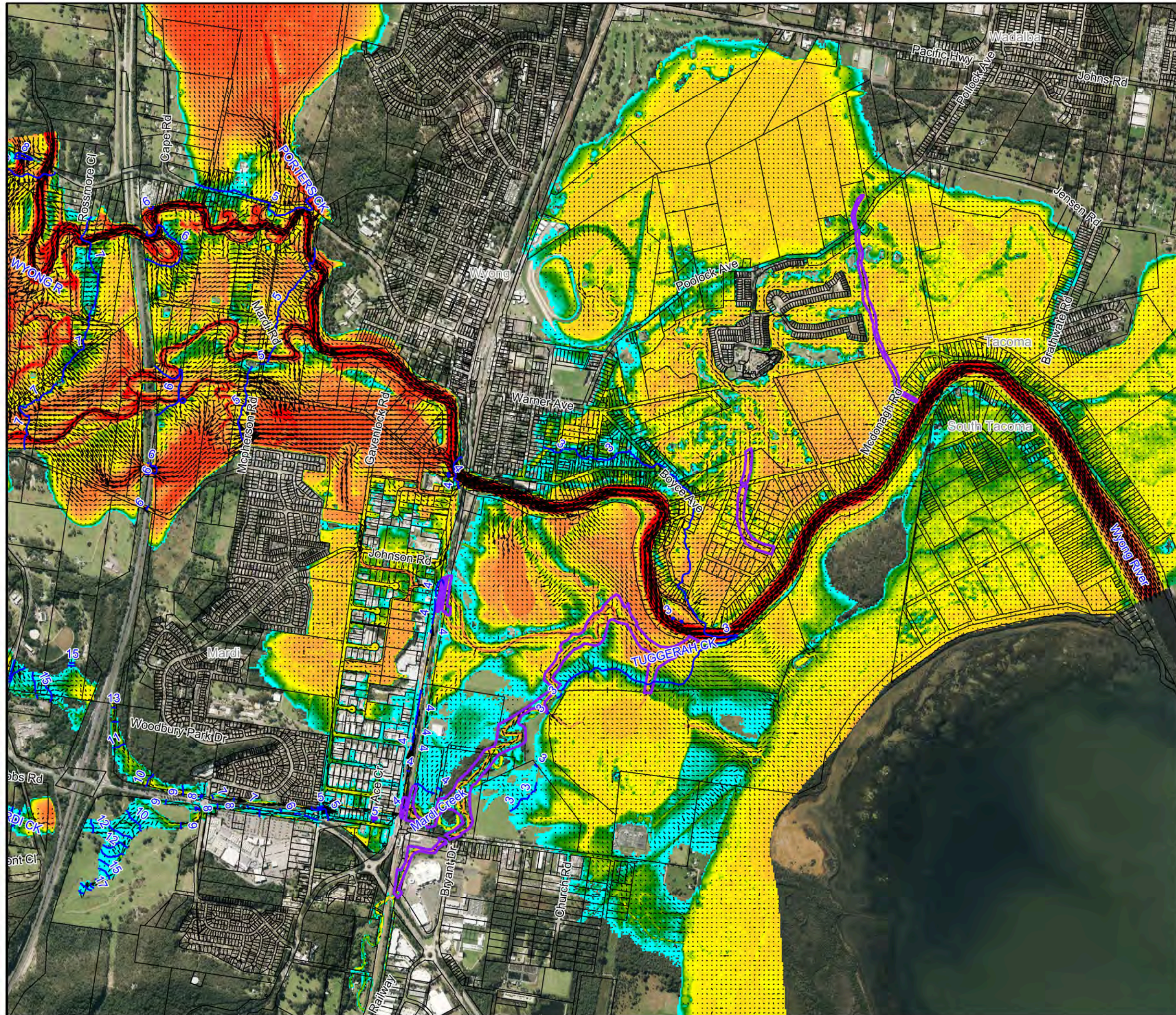
Notes:



**Figure F3:**  
**Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Vegetation Removed**

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

File Name: Figure F3.DHV Vegetation Removed.wor



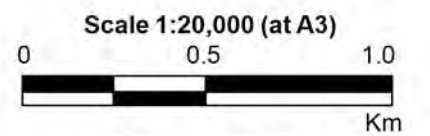


**LEGEND**


Flood Level Difference (m)

Red	0.50
Orange	0.20
Yellow	0.10
Light Green	0.02
Green	-0.02
Cyan	-0.10
Blue	-0.20
Dark Blue	-0.50
Black	Previously wet now dry
Magenta	Previously dry now wet
Purple outline	Vegetation Clearing

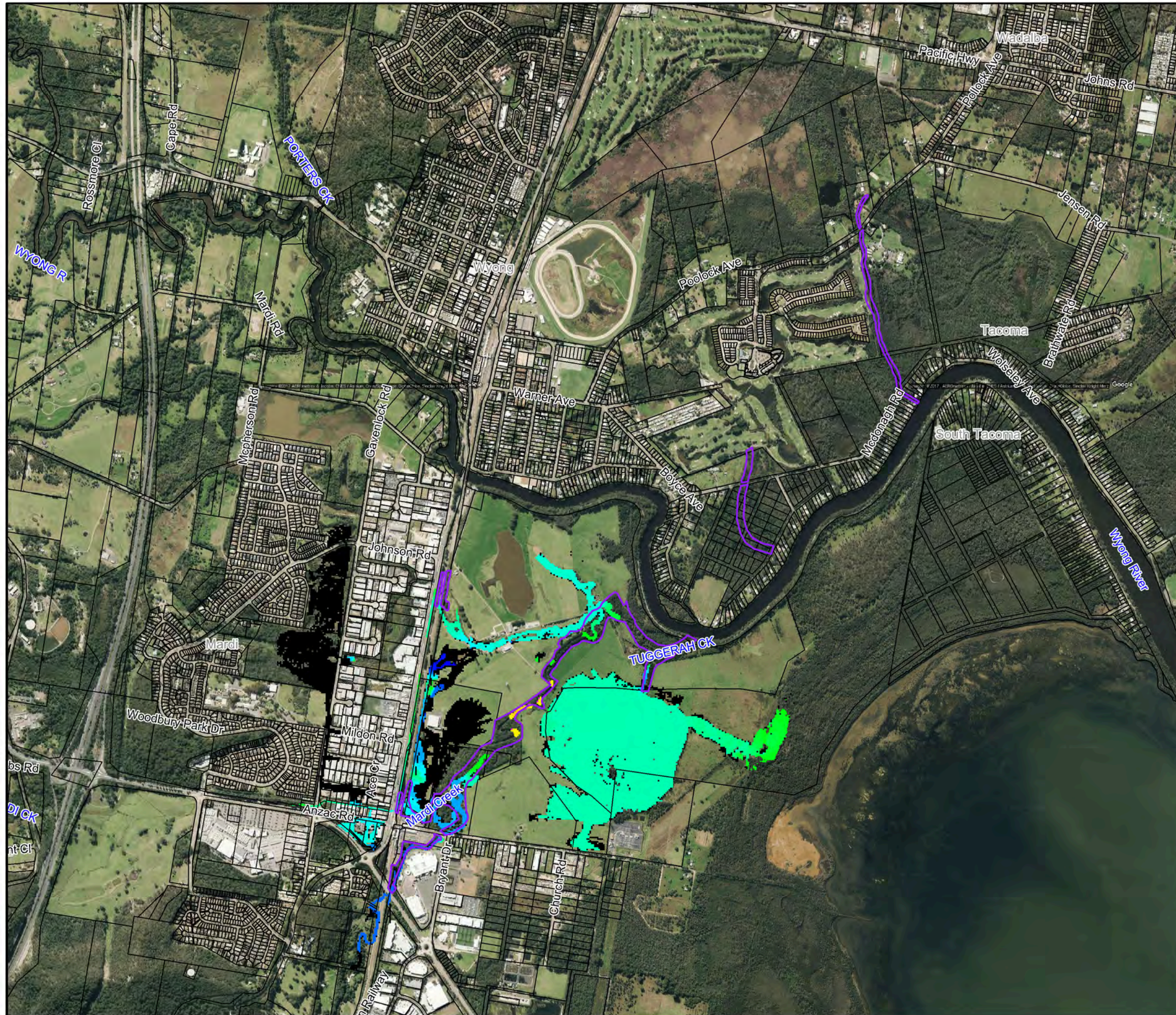
Notes:

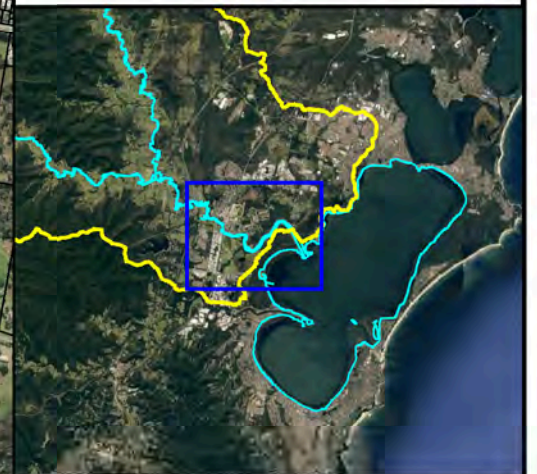


**Figure F4:  
Flood Level Difference  
Mapping for the 20% AEP  
Flood with Vegetation  
Removed**

Prepared By:  

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

File Name: Figure F4 Flood Level Diff  
20% AEP Veg Removed.wor





**LEGEND**

Flood Level Difference (m)

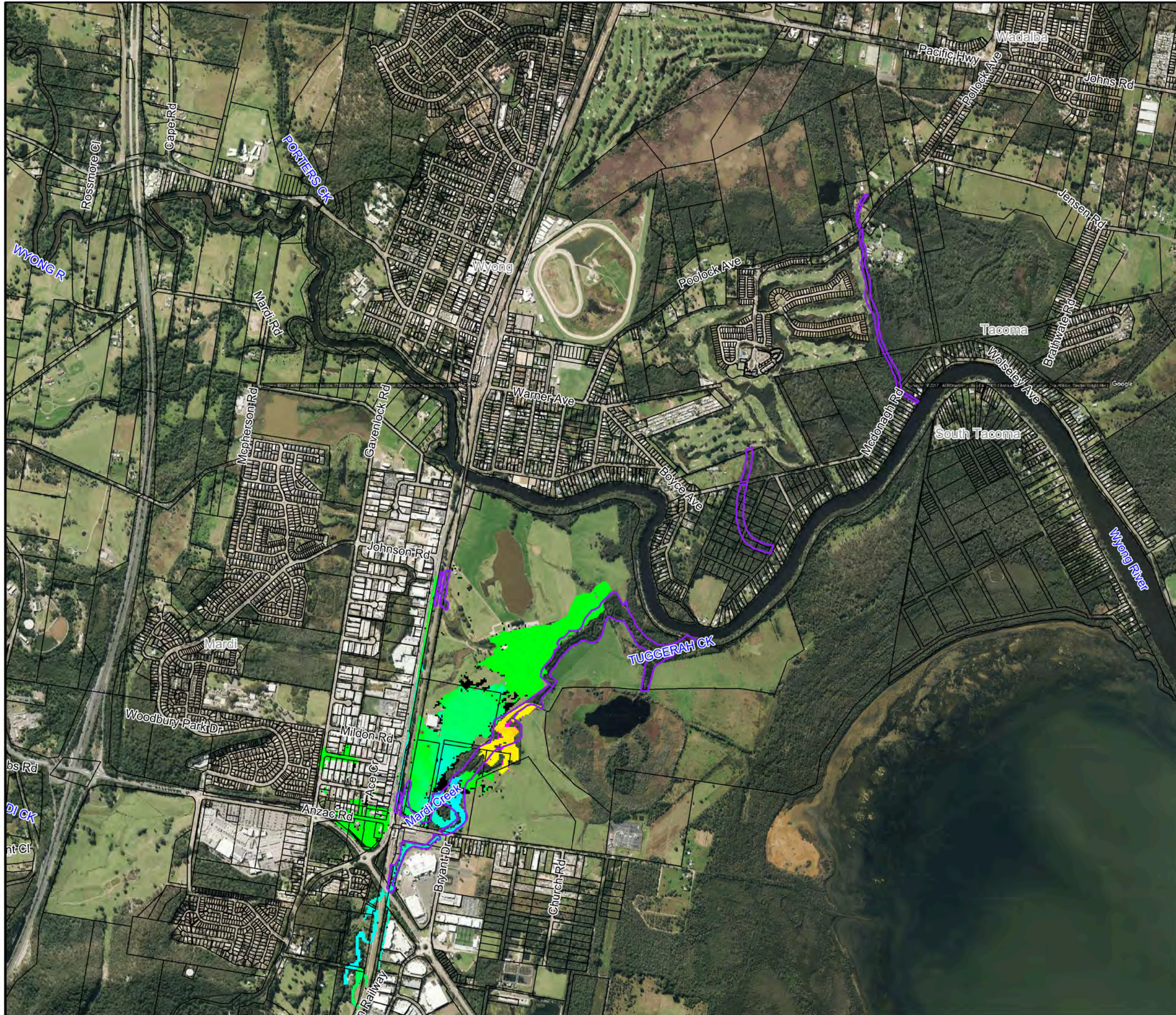
Red	0.50
Orange	0.20
Yellow	0.10
Light Green	0.02
Green	-0.02
Cyan	-0.10
Blue	-0.20
Dark Blue	-0.50
Black	Previously wet now dry
Magenta	Previously dry now wet
Purple outline	Vegetation Clearing

Notes:

Scale 1:20,000 (at A3)

0 0.5 1.0 Km

**Figure F5:**  
**Flood Level Difference Mapping for the 1% AEP Flood with Vegetation Removed**





---

# MAP SET G

## MARDI CREEK DEBRIS CONTROL STRUCTURES

---





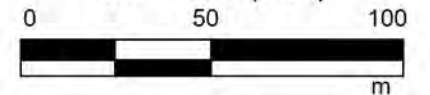
**LEGEND**

- Debris Control Structure
- Trunk drainage pipes

Notes:



Scale 1:2,000 (at A3)

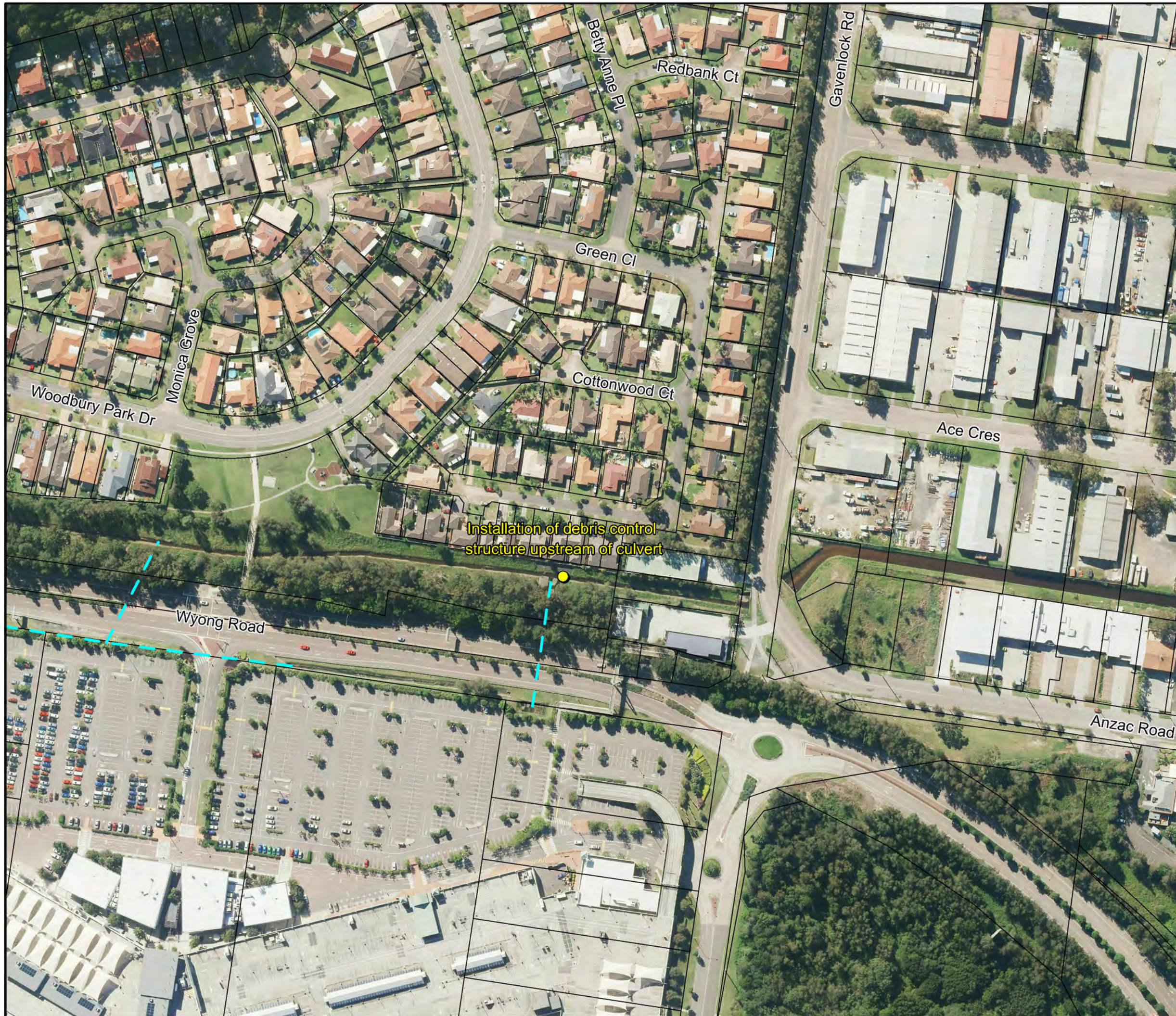


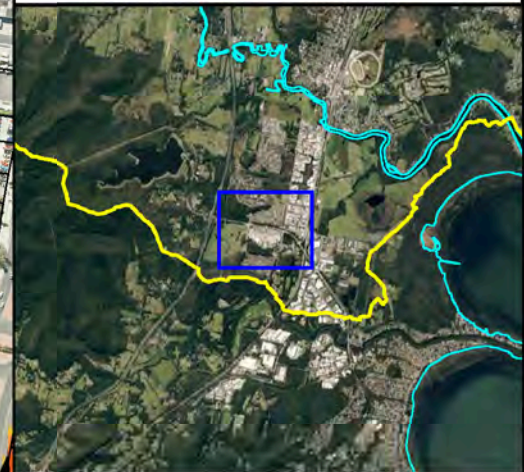
**Figure G1:  
Potential Location of  
Debris Control  
Structures**

Prepared By:

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

File Name: G1 Potential Location of Debris Control Structures.wor





**LEGEND**

- Peak Water Level Contour (mAHD)
- Debris Control Structure

Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

Notes:

Scale 1:5,000 (at A3)

**Figure G2:  
Peak Floodwater Depths,  
Velocities & Levels for the  
20% AEP Flood with  
Debris Control Structures**

Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000  
 File Name: G2.DHV Debris Control Structures.wor





**LEGEND**

- Peak Water Level Contour (mAHD)
- Debris Control Structure

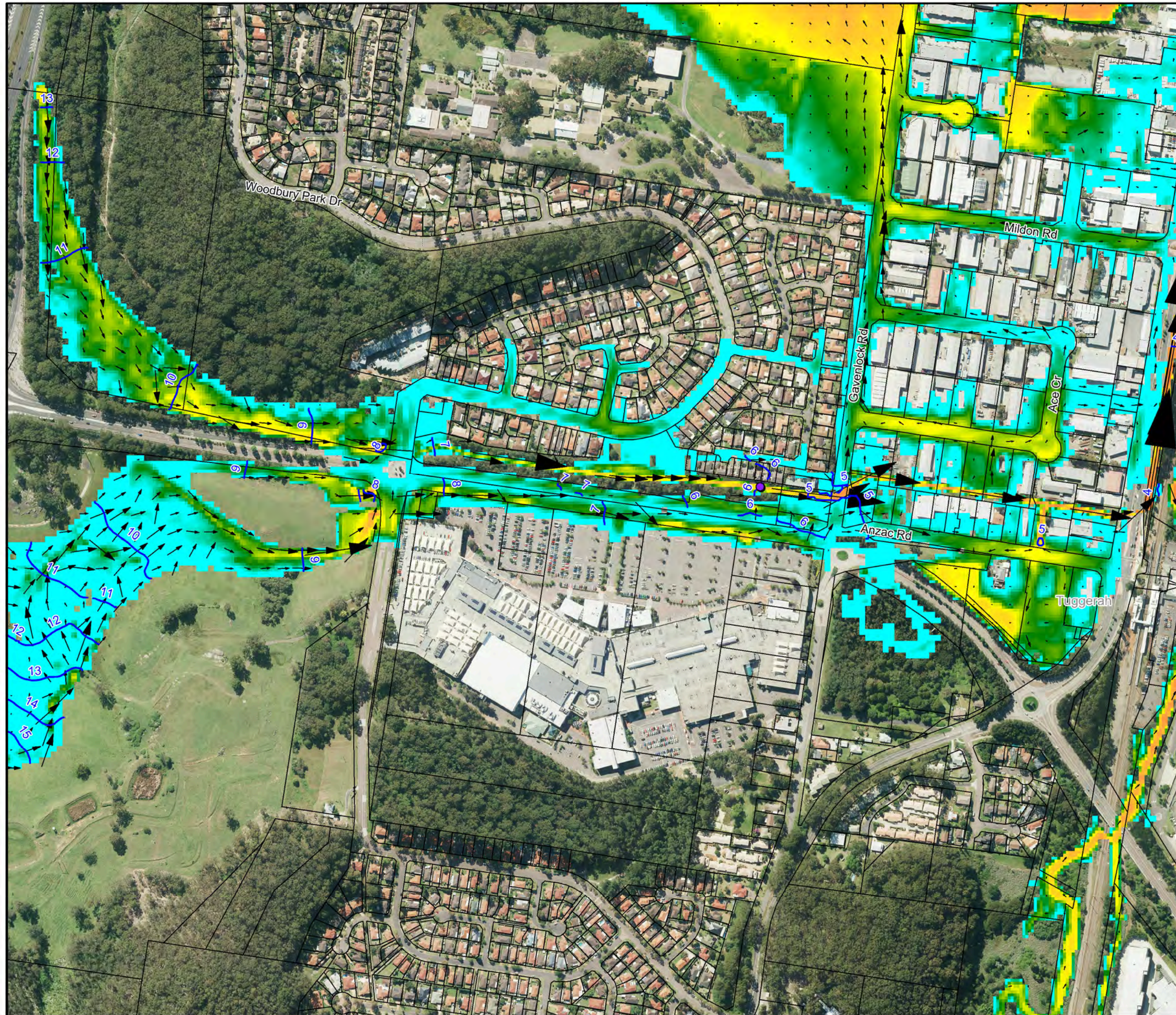
Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

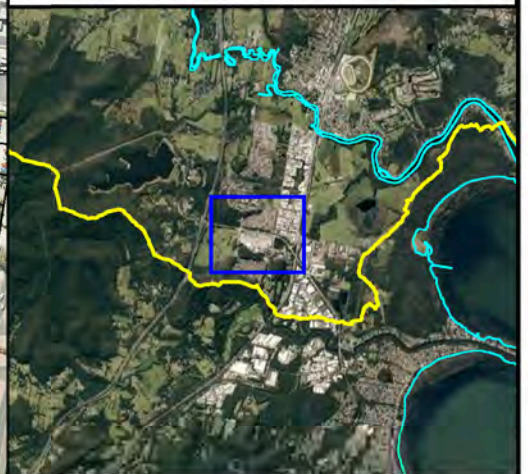
Notes:

Scale 1:5,000 (at A3)

**Figure G3:**  
**Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Debris Control Structures**

Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000  
 File Name: G3.DHV Debris Control Structures.wor





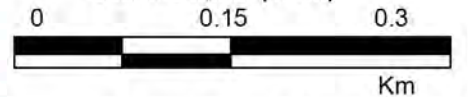
**LEGEND**

Flood Level Difference (m)	
0.50	0.20
0.10	0.02
0.02	-0.02
-0.02	-0.10
-0.10	-0.20
-0.20	-0.50
Previously wet now dry	Previously dry now wet
Debris Control Structure	

Notes:

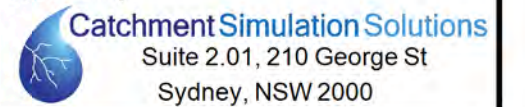


Scale 1:5,000 (at A3)



**Figure G4:  
Flood Level Difference  
Mapping for the 20% AEP  
Flood with Debris  
Control Structures**

Prepared By:



File Name: Figure G4 Flood Level Diff  
20% AEP Debris Control.wor





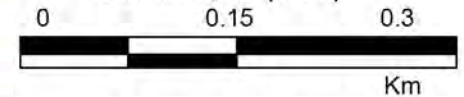
**LEGEND**

- Flood Level Difference (m)
- 0.50
  - 0.20
  - 0.10
  - 0.02
  - 0.02
  - 0.10
  - 0.20
  - 0.50
  - Previously wet now dry
  - Previously dry now wet
  - Debris Control Structure

Notes:



Scale 1:5,000 (at A3)



**Figure G5:  
Flood Level Difference  
Mapping for the 1% AEP  
Flood with Debris  
Control Structures**

Prepared By:

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

File Name: Figure G5 Flood Level Diff  
1% AEP Debris Control.wor



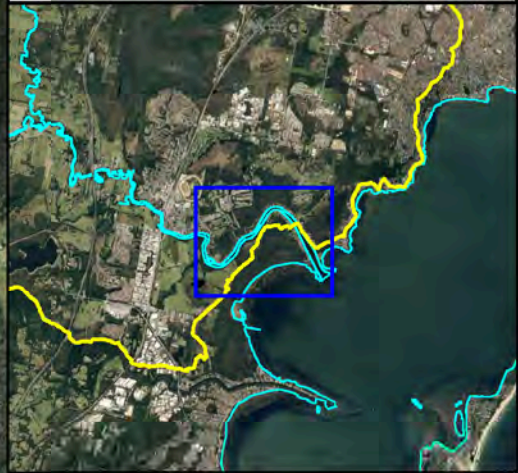
---

# MAP SET H

## WYONG RIVER DREDGING







---





**LEGEND**

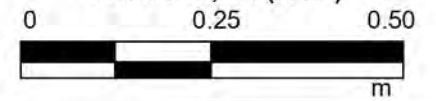
Depth of Dredging

-  <0.25 m
-  0.50 m
-  1.00 m
-  2.00 m
-  3.00 m
-  4.00 m


Notes:



Scale 1:10,000 (at A3)



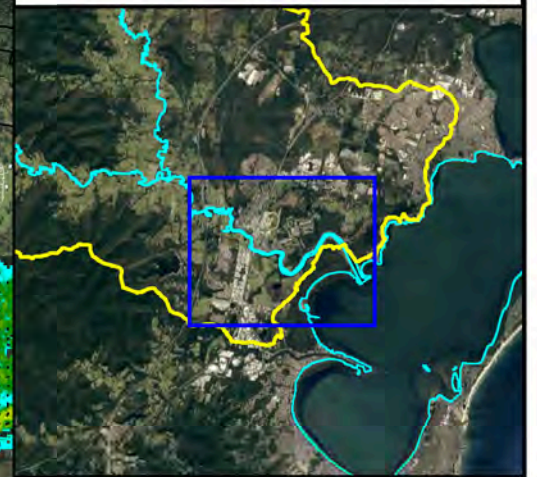
**Figure H1:  
Extent of Potential  
Wyong River  
Dredging**

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

File Name: H1 Extent of Potential Wyong River Dredging.wor







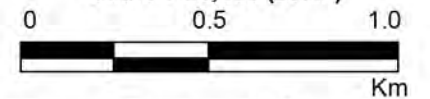
**LEGEND**

	Peak Water Level Contour (mAHD)		
<b>Depths (m)</b>		<b>Velocity Vector (m/s)</b>	
	<= 0.2		1.0 m/s
	0.5		2.0 m/s
	1.0		4 m/s
	2.0		
	3.0		

Notes:



Scale 1:20,000 (at A3)

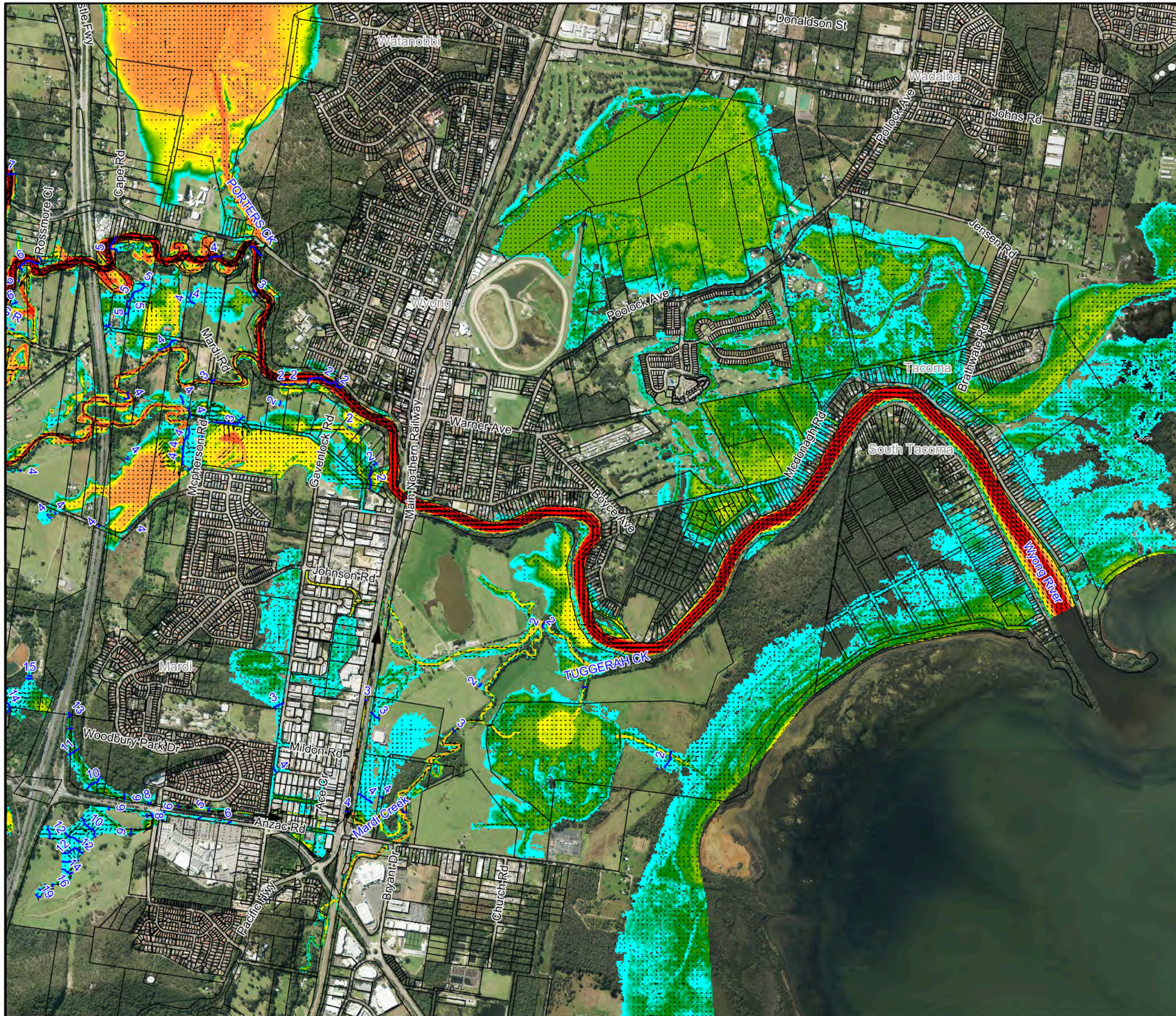


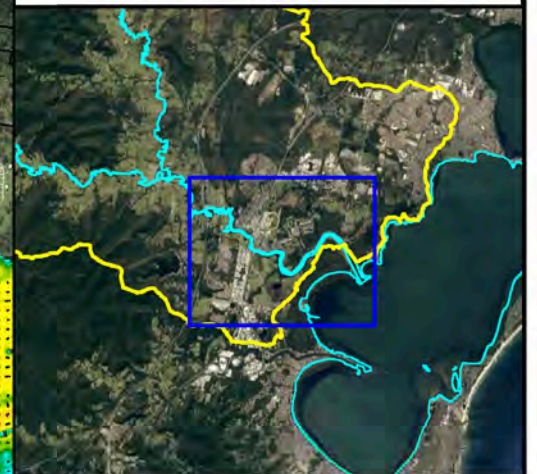
**Figure H2:  
Peak Floodwater Depths,  
Velocities & Levels for the  
20% AEP Flood with  
Dredging**

Prepared By:

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

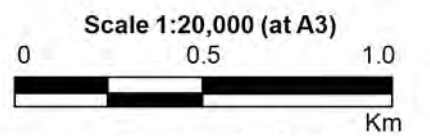
File Name: H2.DHV Dredging.wor





**LEGEND**

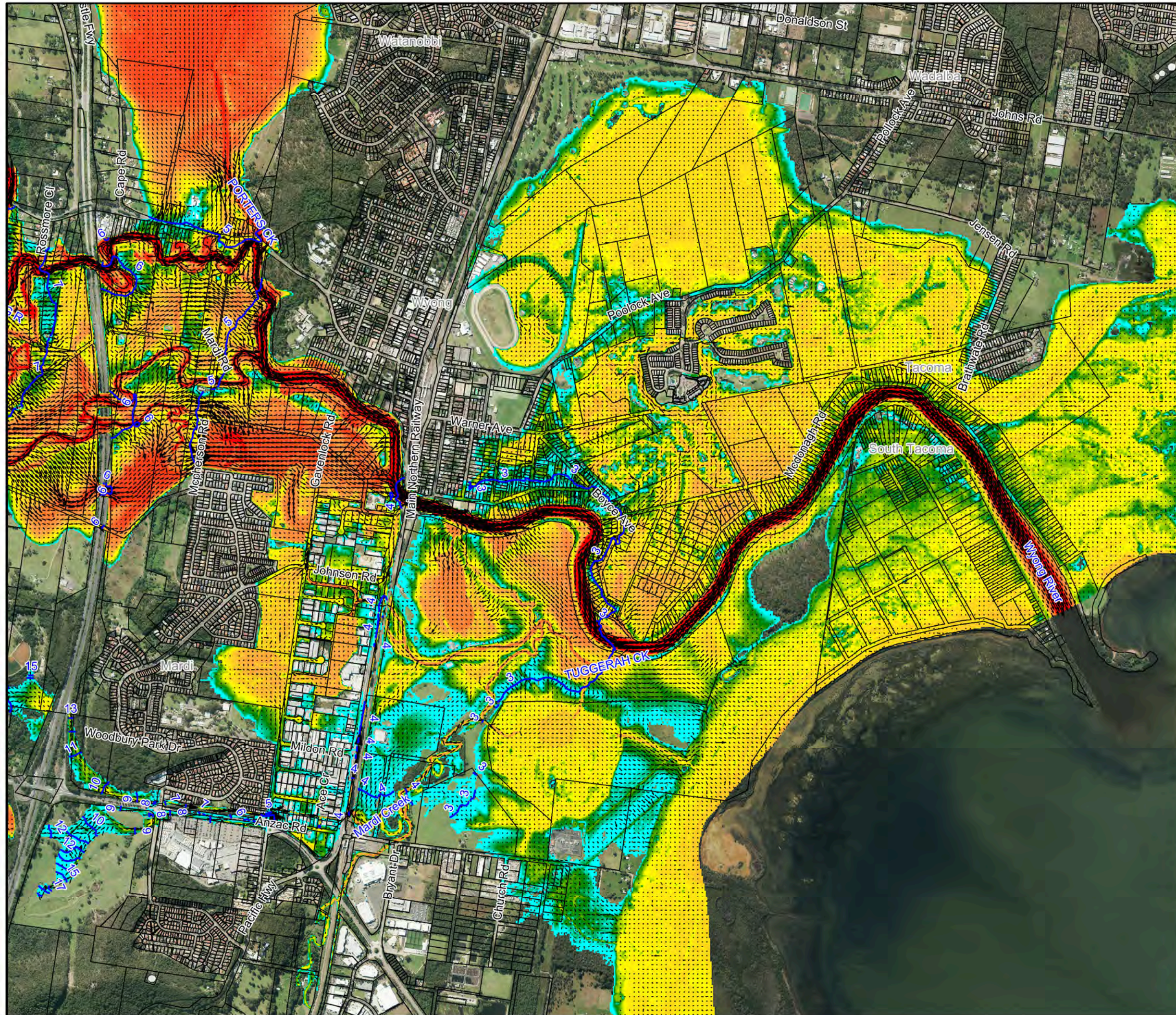
— Peak Water Level Contour (mAHD)	
<b>Depths (m)</b>	<b>Velocity Vector (m/s)</b>
≤ 0.2	— 1.0 m/s
0.5	→ 2.0 m/s
1.0	→ 4 m/s
2.0	
3.0	

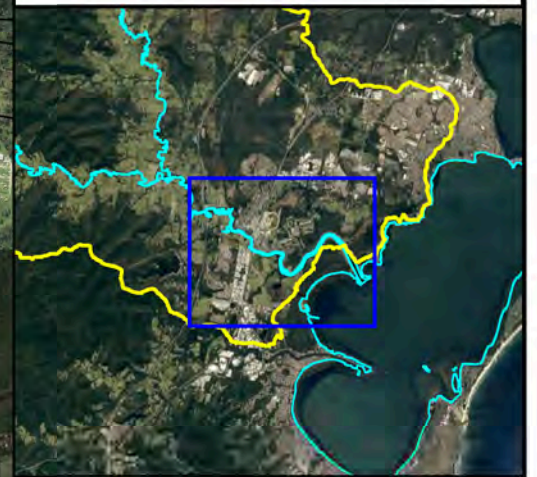


**Figure H3:  
Peak Floodwater Depths,  
Velocities & Levels for the  
1% AEP Flood with  
Dredging**

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

File Name: H3.DHV Dredging.wor





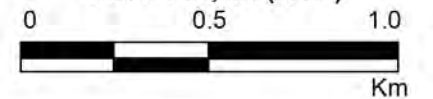
**LEGEND**

Flood Level Difference (m)	
Red	0.50
Orange	0.20
Yellow	0.10
Light Green	0.02
Green	-0.02
Cyan	-0.10
Blue	-0.20
Dark Blue	-0.50
Black	Previously wet now dry
Pink	Previously dry now wet

Notes:



Scale 1:20,000 (at A3)



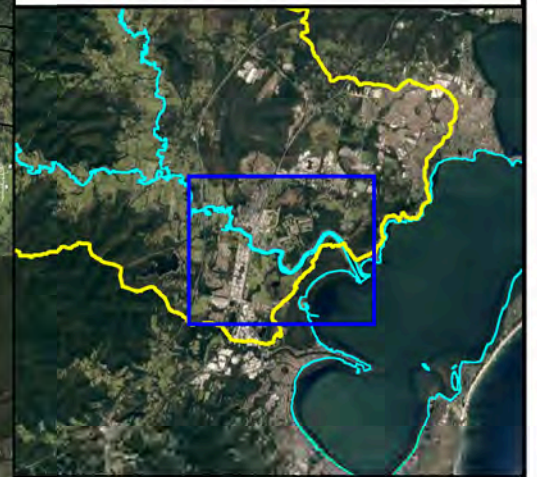
**Figure H4:  
Flood Level Difference  
Mapping for the 20% AEP  
Flood with Dredging**

Prepared By:

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

File Name: Figure H4 Flood Level Diff  
20% AEP Dredging.wor





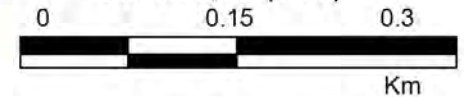
**LEGEND**

Flood Level Difference (m)	
	0.50
	0.20
	0.10
	0.02
	-0.02
	-0.10
	-0.20
	-0.50
	Previously wet now dry
	Previously dry now wet

Notes:



Scale 1:5,000 (at A3)



**Figure H5:  
Flood Level Difference  
Mapping for the 1% AEP  
Flood with Dredging**

Prepared By:

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

File Name: Figure H5 Flood Level Diff  
1% AEP Dredging.wor



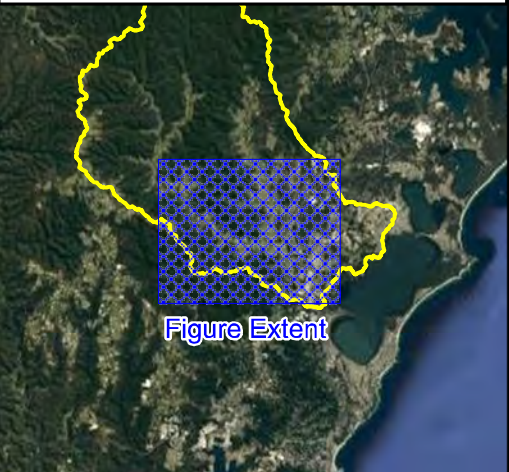
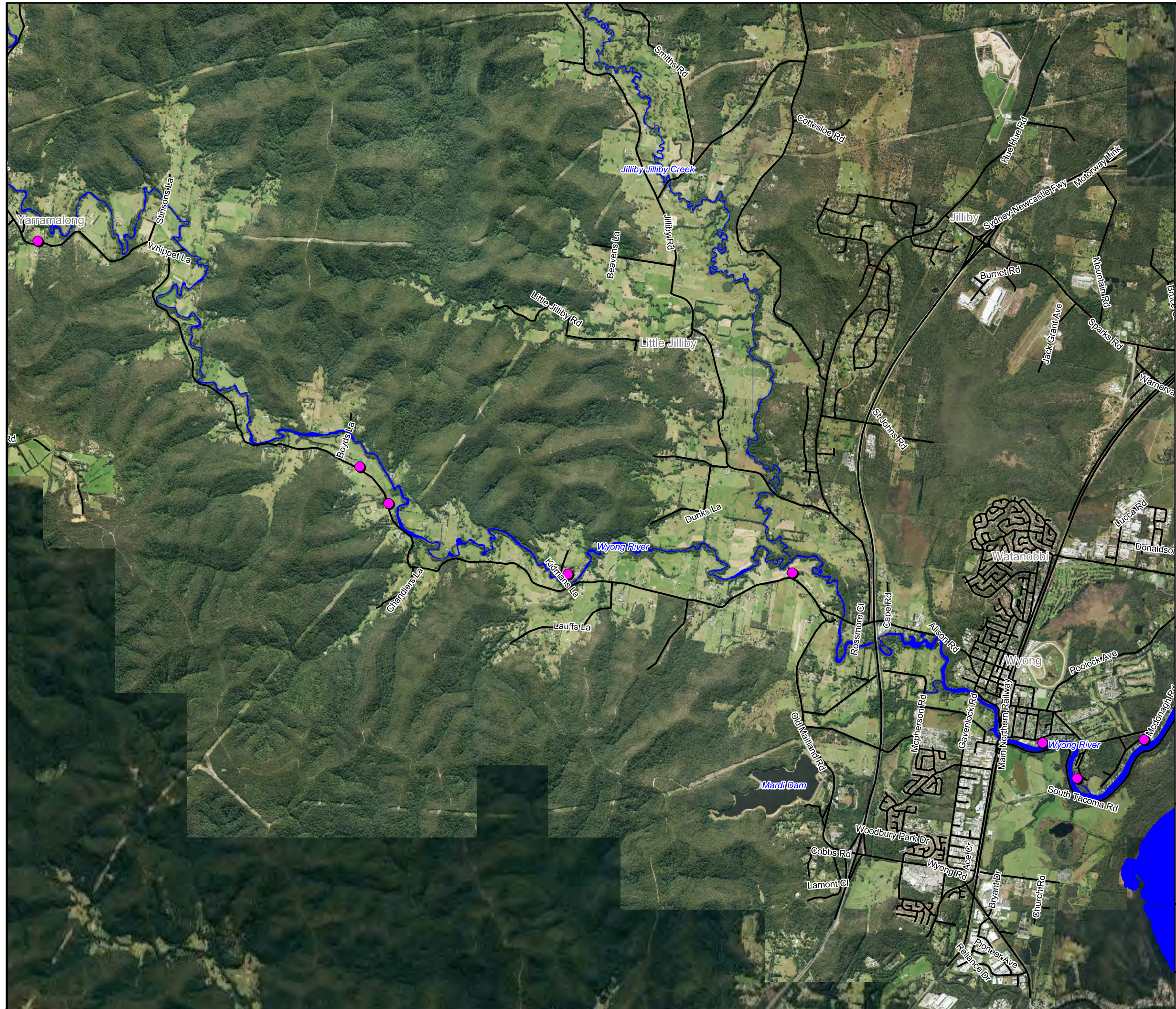
---

# MAP SET I

## PROPERTY MODIFICATION OPTIONS

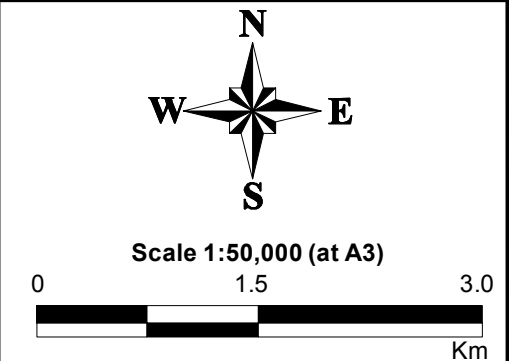
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**LEGEND**

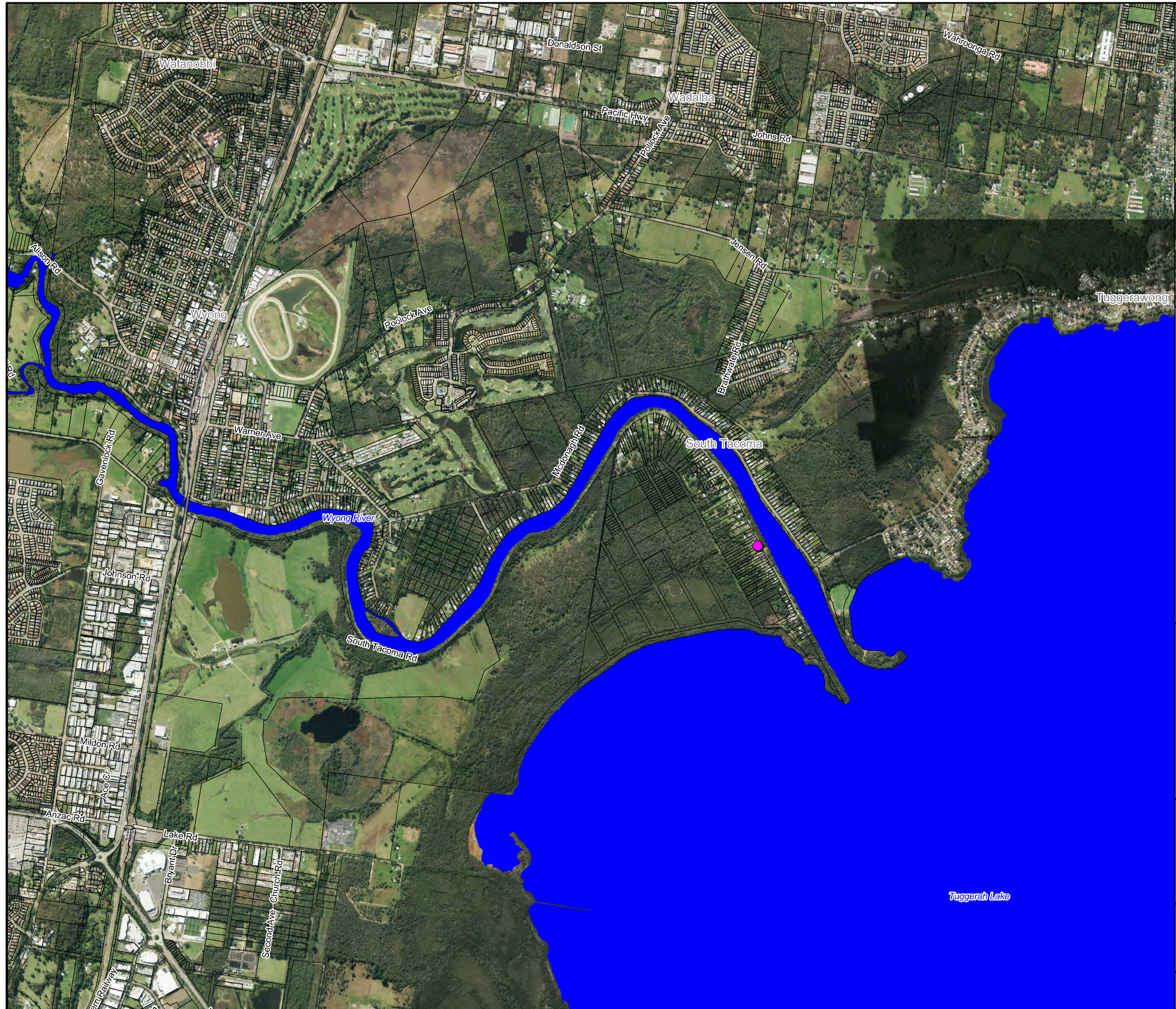
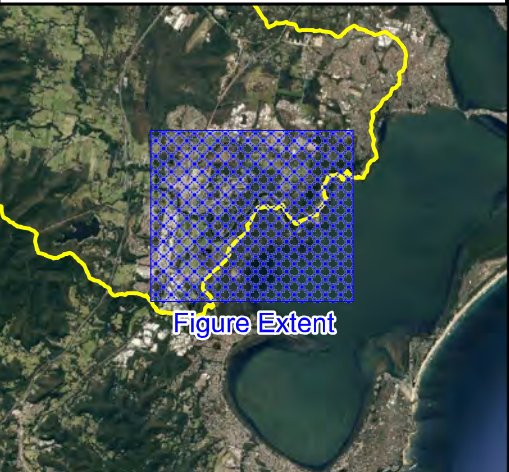
- Property Eligible for Voluntary House Purchase



**Figure I1:  
Location of Houses  
Potentially Eligible for  
Voluntary Purchase**

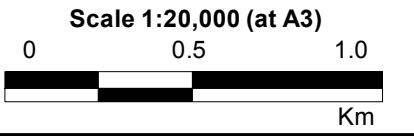
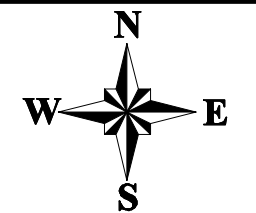
Prepared By:  
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Sydney, NSW 2000

File Name: Properties Eligible for House Purchase.wor




**LEGEND**

- Property Eligible for Voluntary House Raising



**Figure I2:  
Location of Houses  
Potentially Eligible for  
Voluntary Raising**

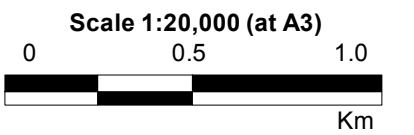
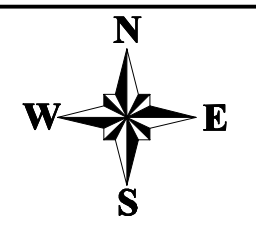
Prepared By:  
 **Catchment Simulation Solutions**  
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Sydney, NSW 2000

File Name: Properties Eligible for House Raising.wor




**LEGEND**

- Property Eligible for Voluntary Flood Proofing

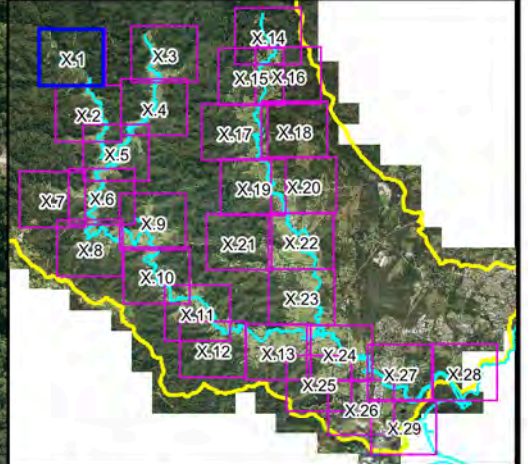
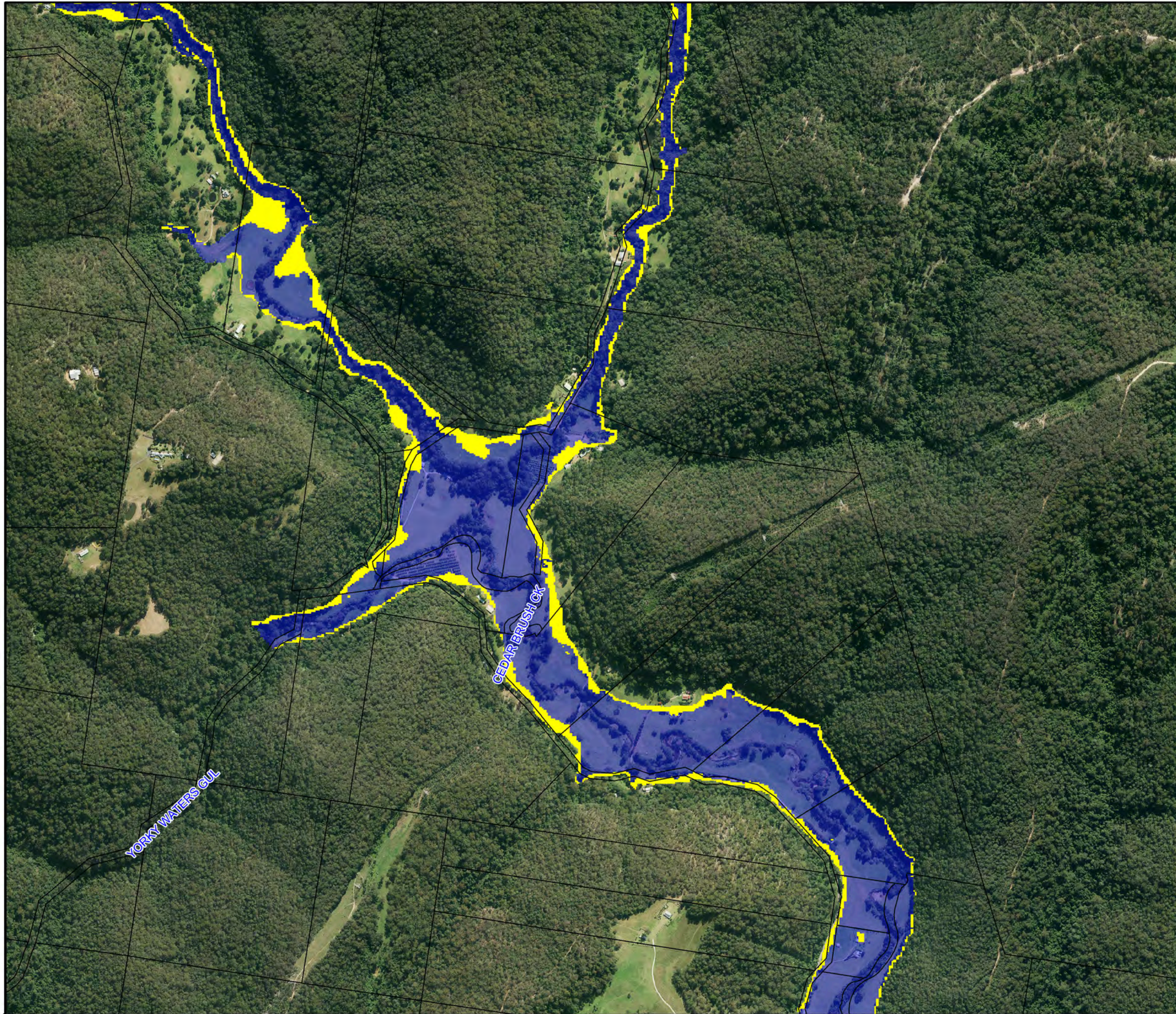


**Figure I3:**  
**Location of Houses**  
**Potentially Eligible for**  
**Voluntary Flood Proofing**

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Sydney, NSW 2000

File Name: Properties Eligible for Flood Proofing.wor





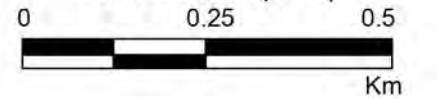
**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



Scale 1:10,000 (at A3)

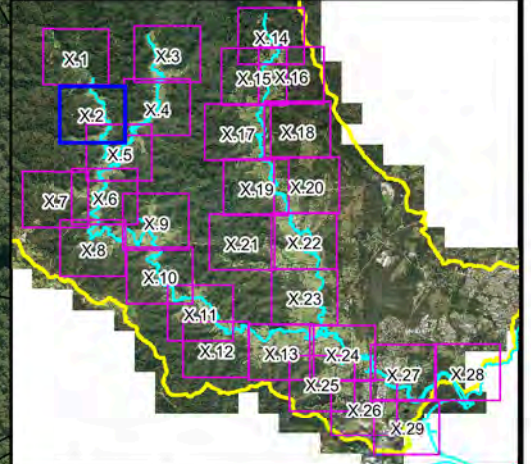


**Figure I4.1:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor



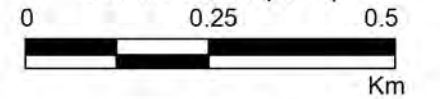
**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

Notes:




Scale 1:10,000 (at A3)

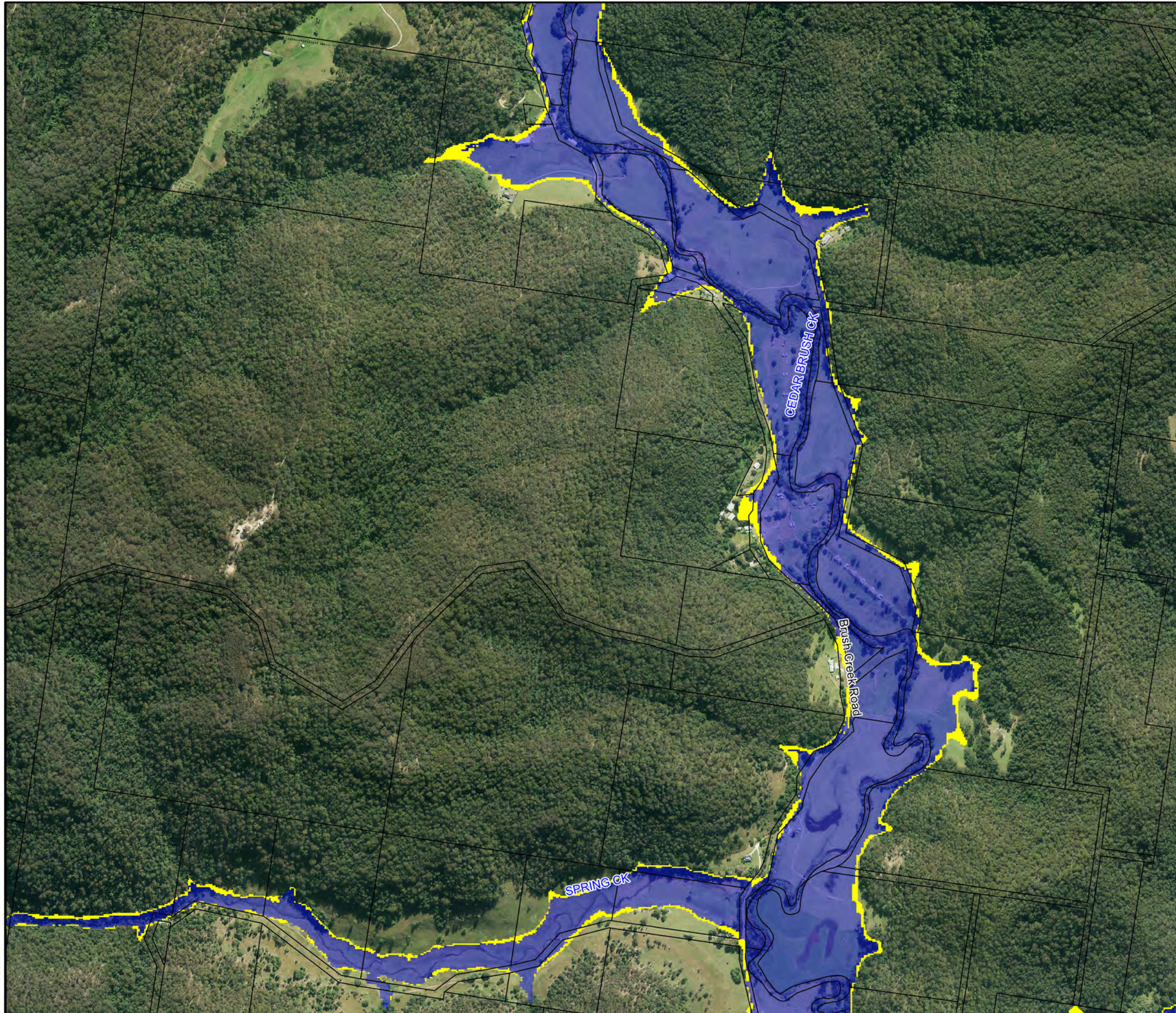


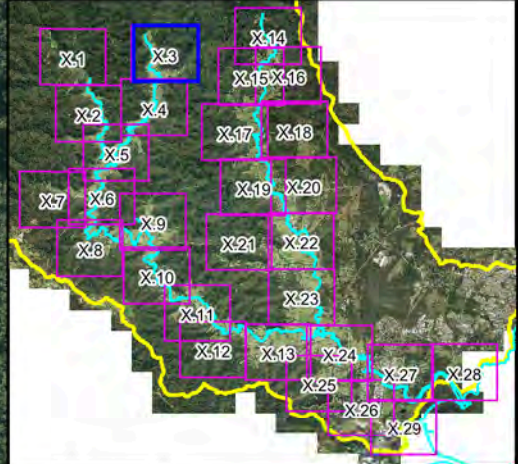
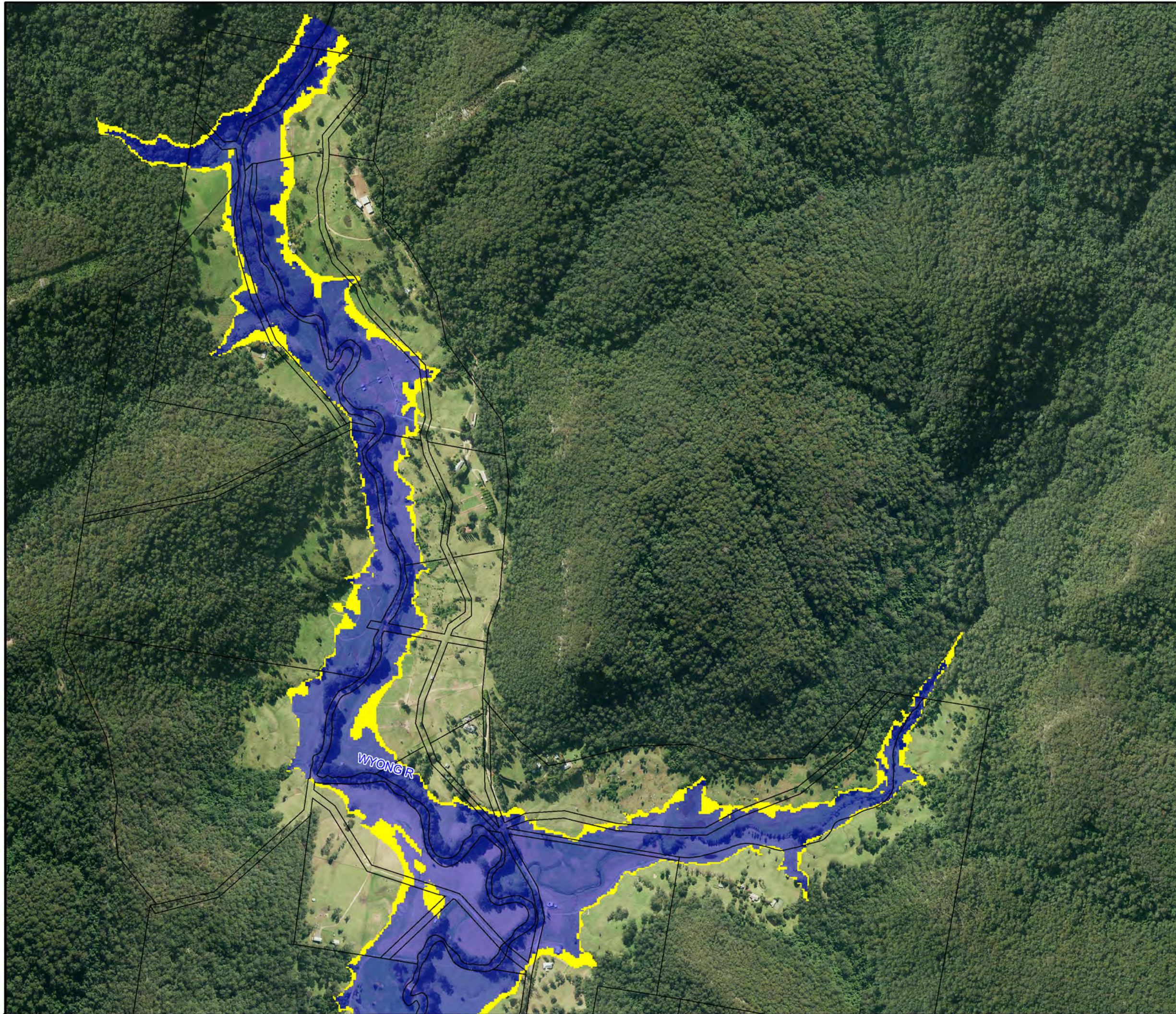
**Figure I4.2:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

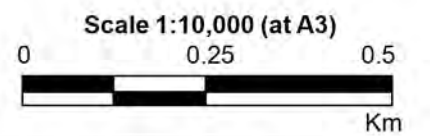




**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

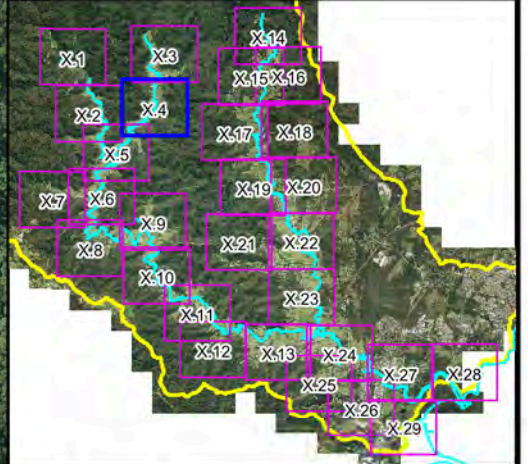
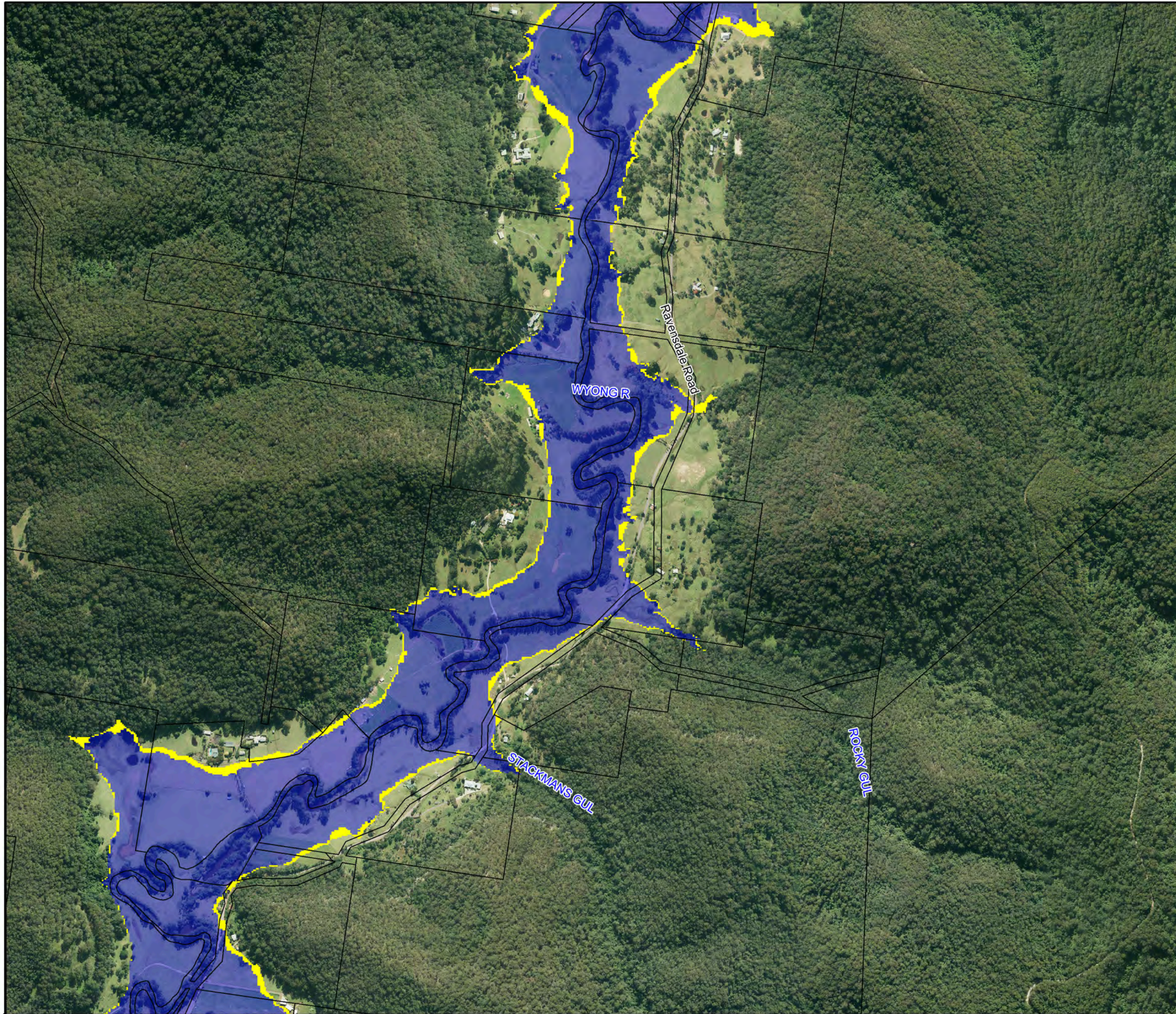
Notes:



**Figure I4.3:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Sydney, NSW 2000

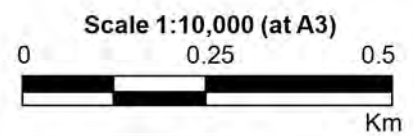
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor



**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

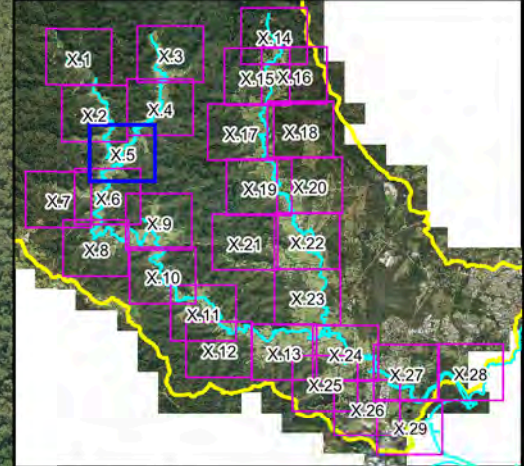
Notes:





**Figure I4.4:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Sydney, NSW 2000

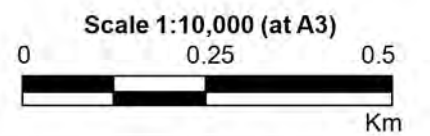
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

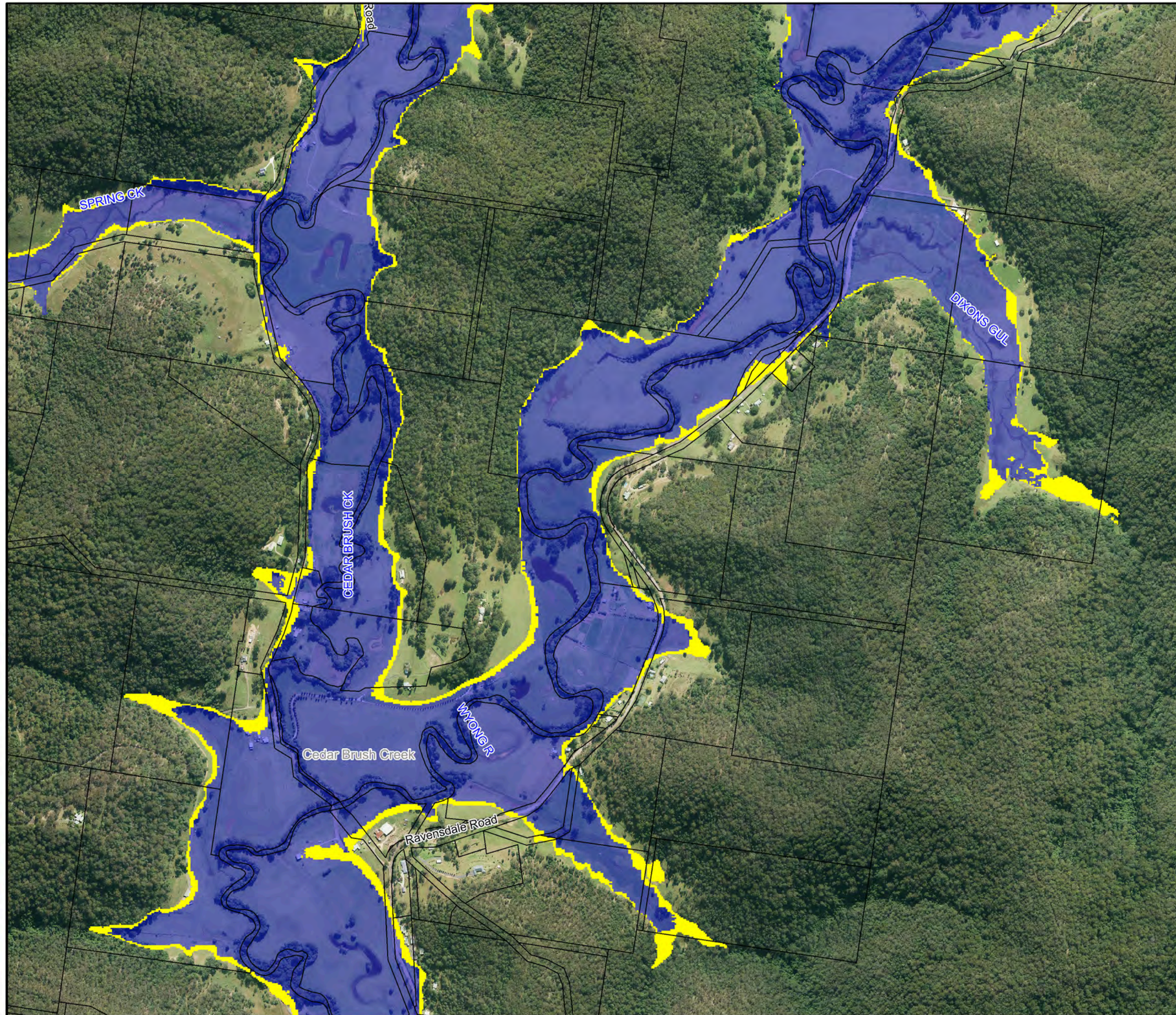
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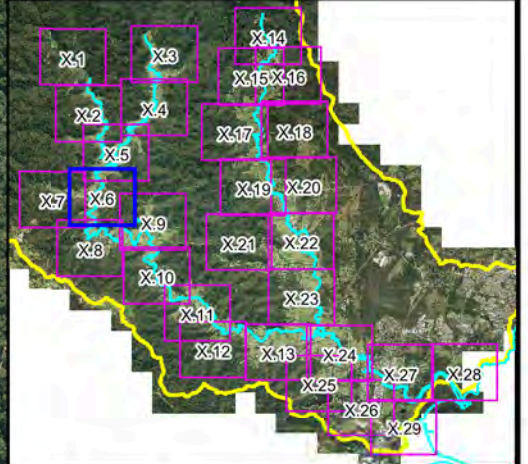
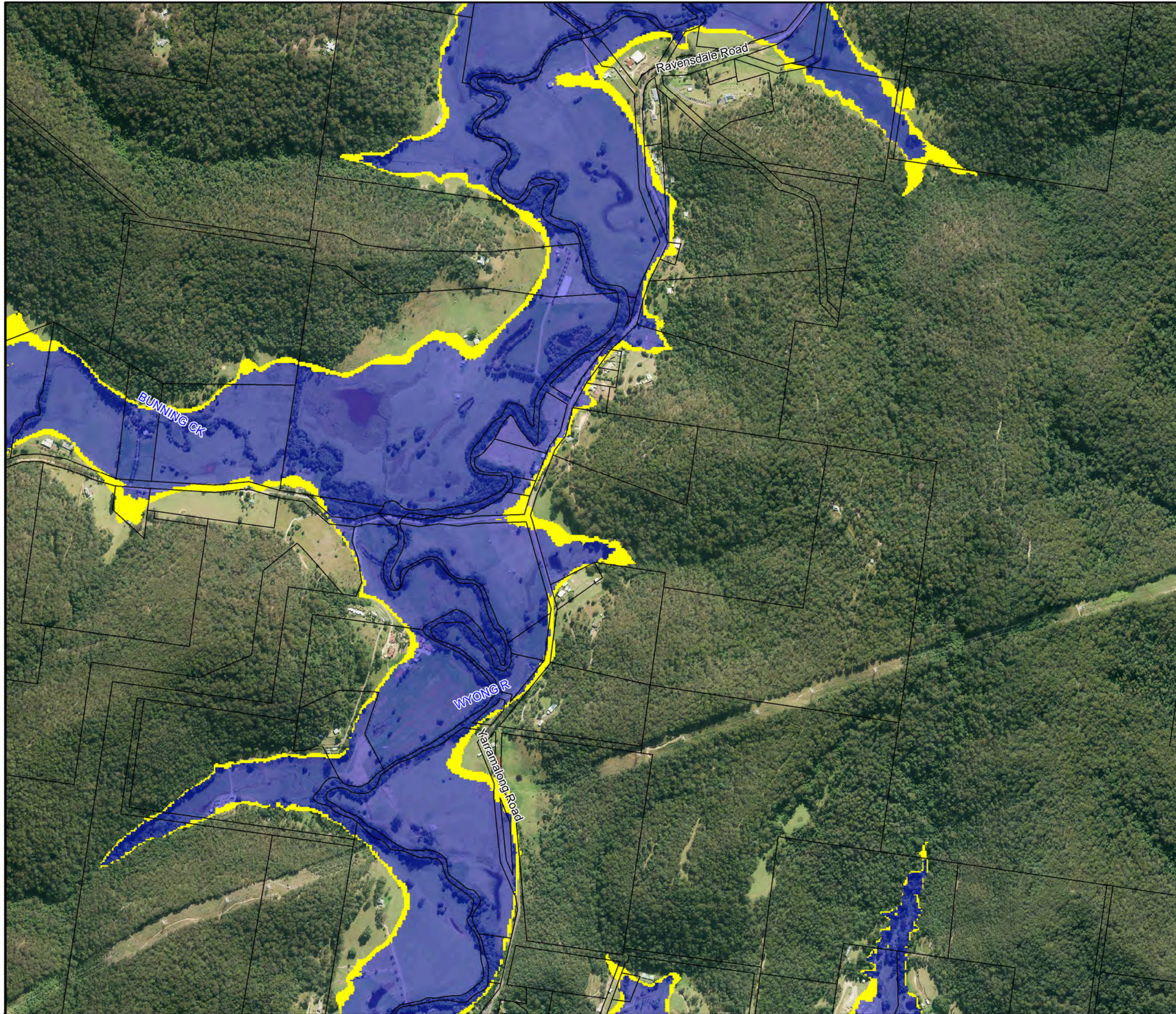


**Figure I4.5:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor





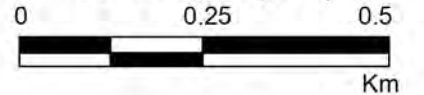
**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area


Notes:



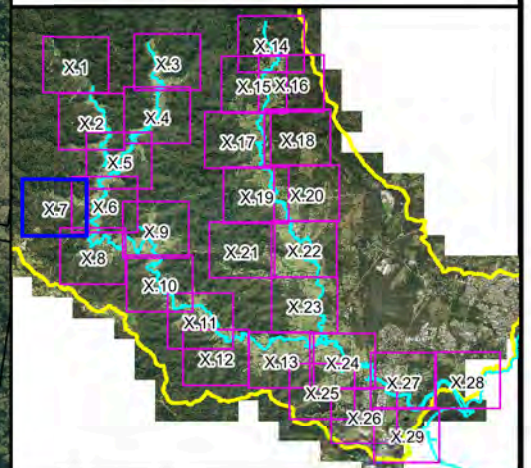
Scale 1:10,000 (at A3)





**Figure I4.6:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

Prepared By:  
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 Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor



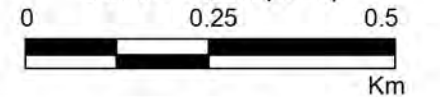
**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

Notes:




Scale 1:10,000 (at A3)

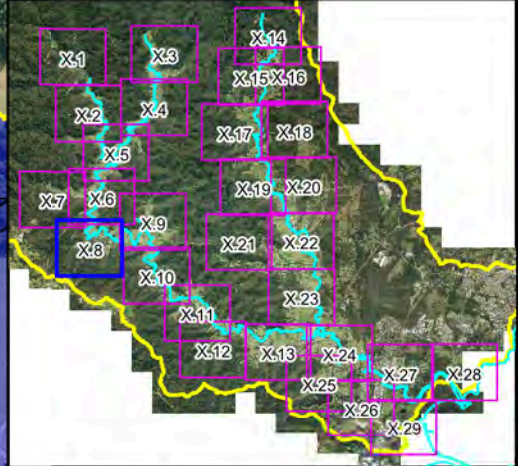
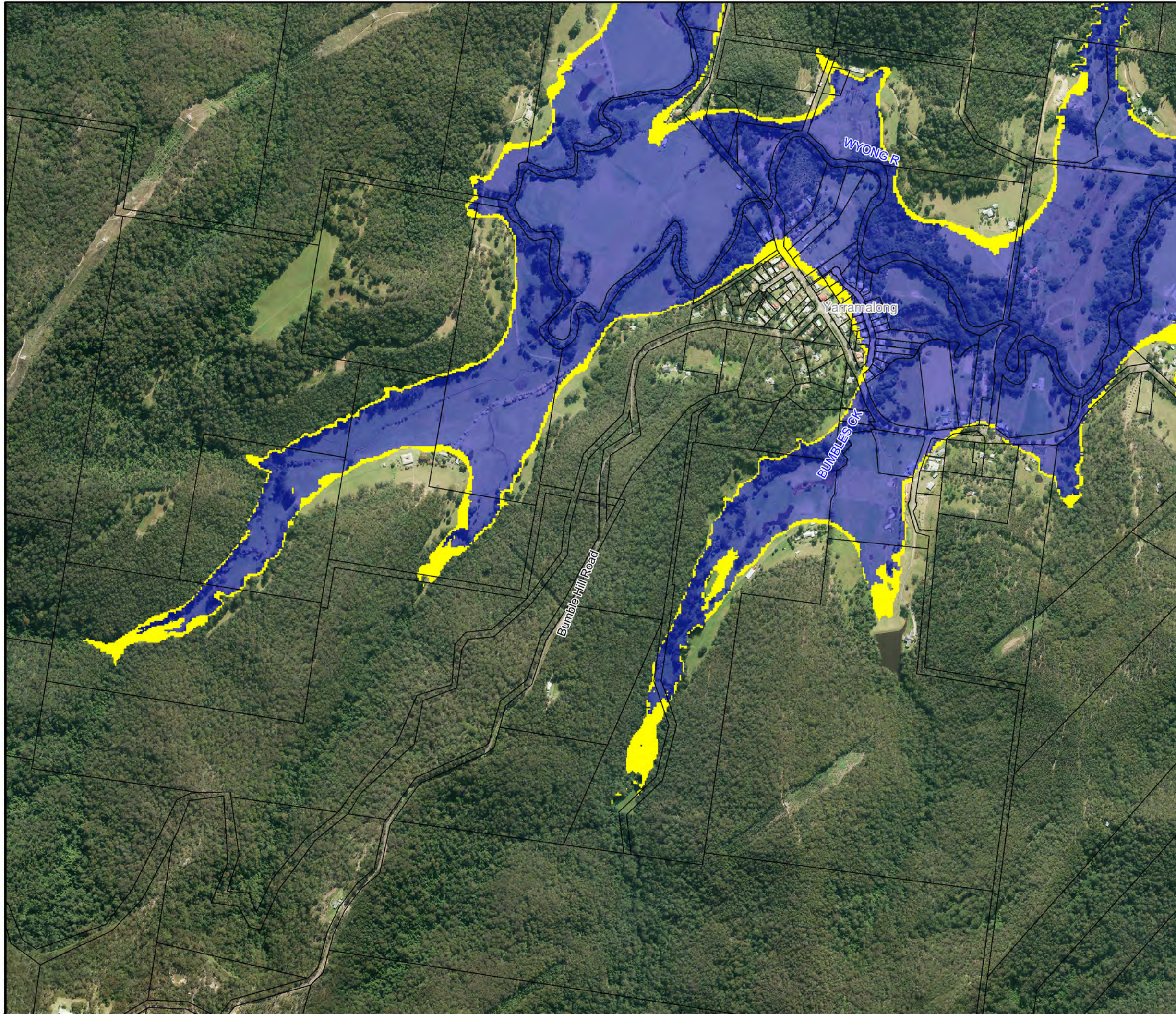


**Figure I4.7:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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 **Catchment Simulation Solutions**  
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Sydney, NSW 2000

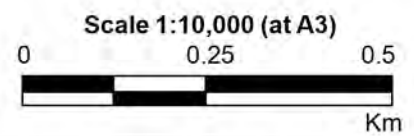
File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

Notes:

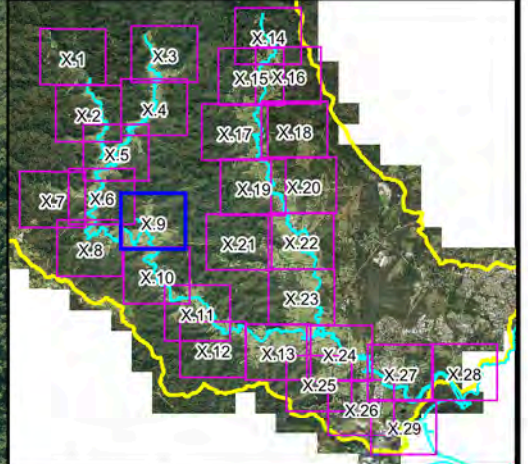
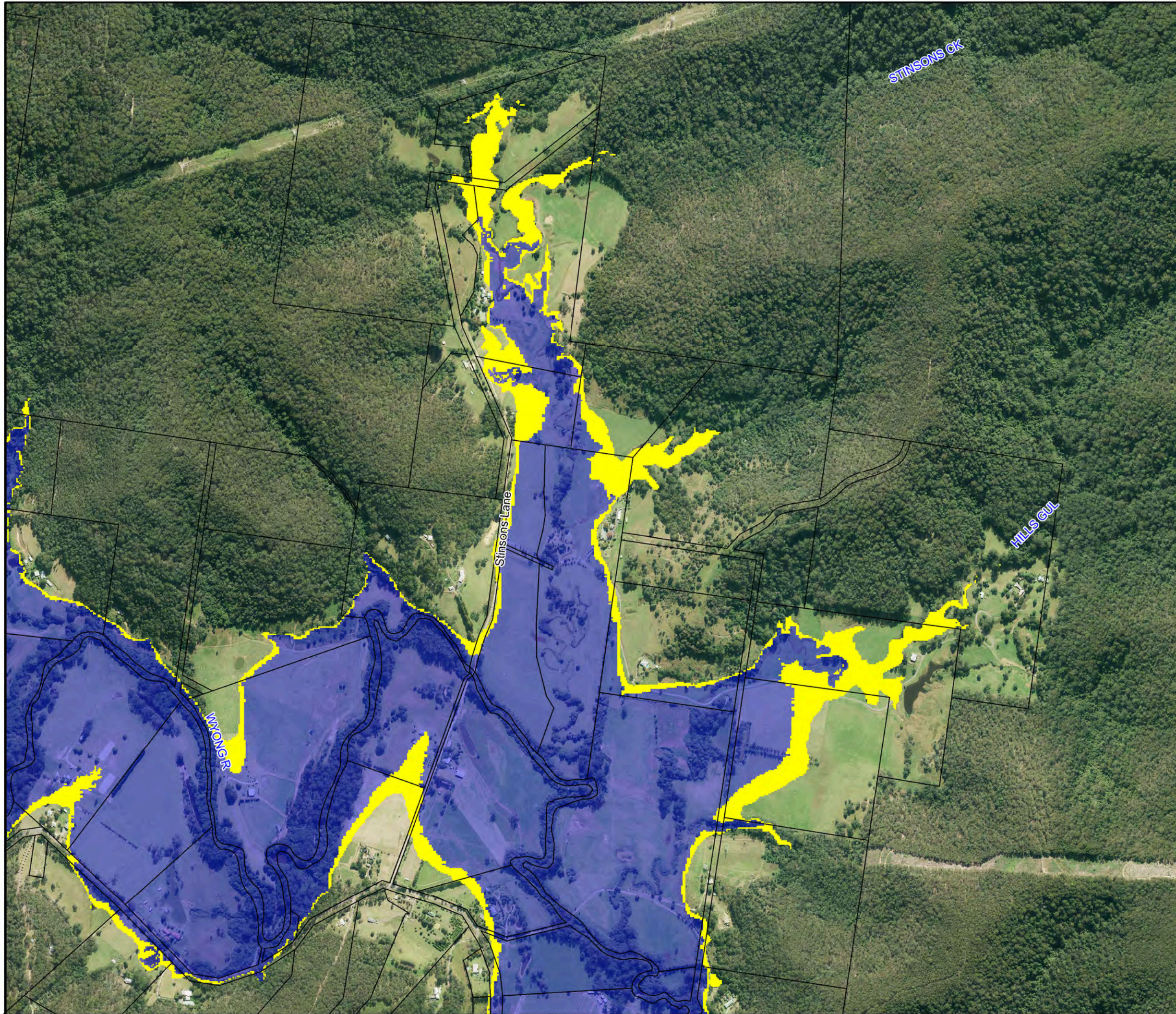


**Figure I4.8:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

Prepared By:  
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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

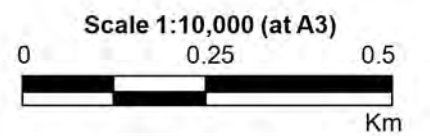




**LEGEND**

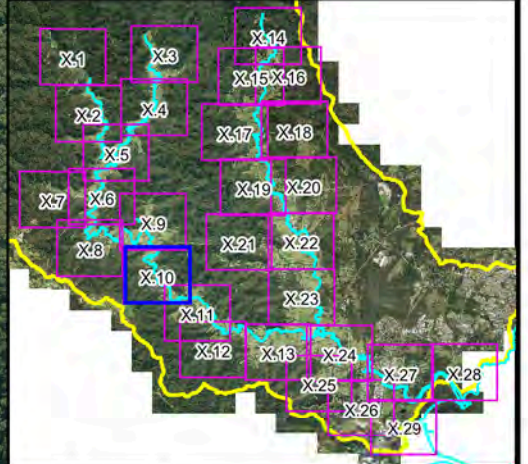
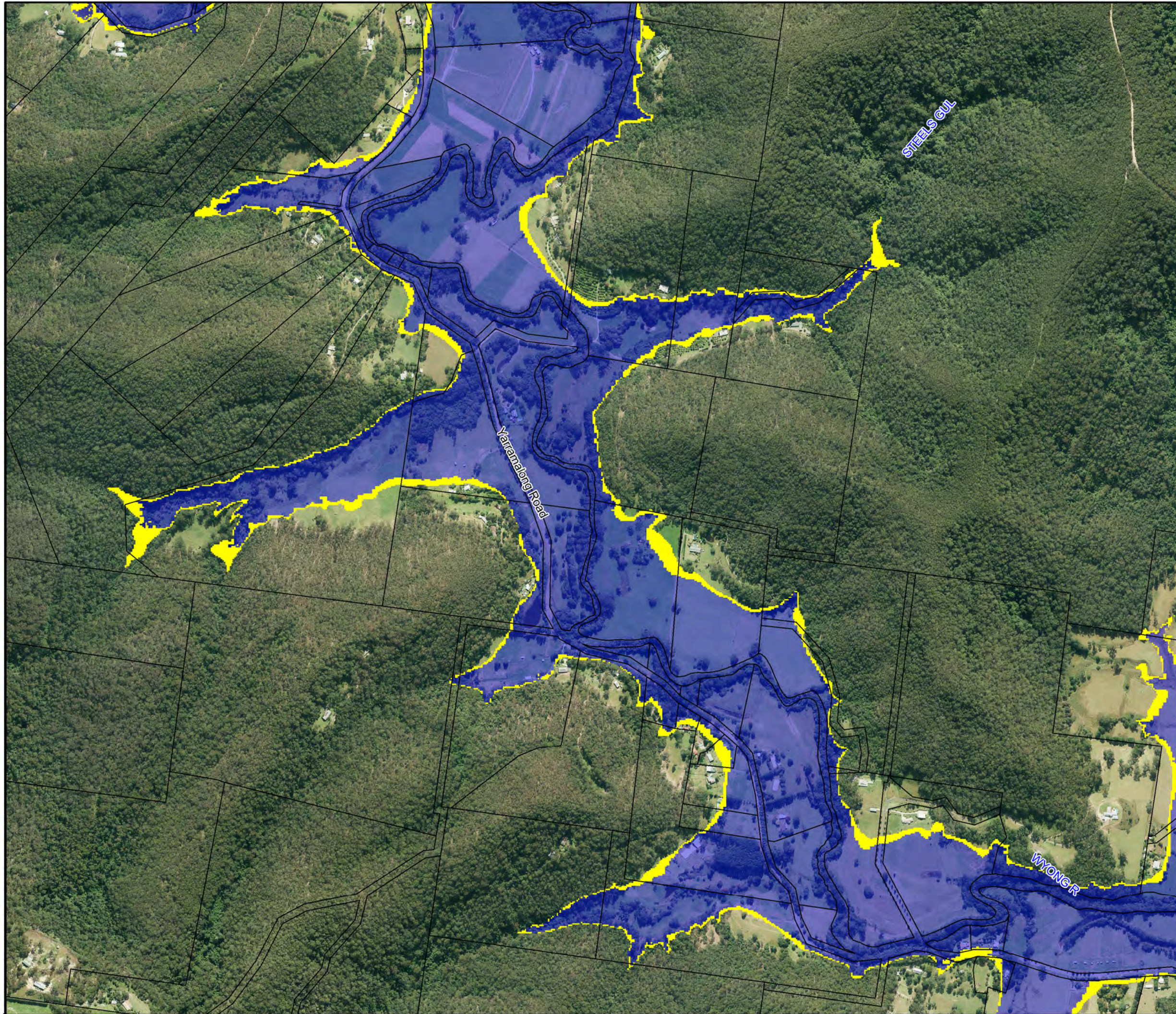
- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:





**Figure I4.9:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Sydney, NSW 2000



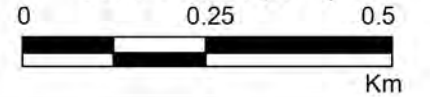
**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area


Notes:



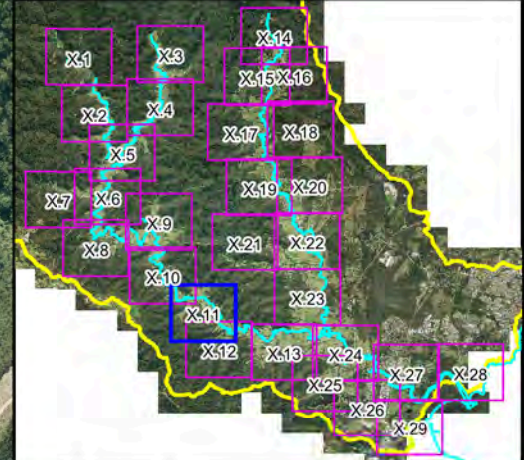
Scale 1:10,000 (at A3)





**Figure I4.10:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Sydney, NSW 2000

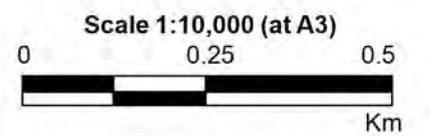
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

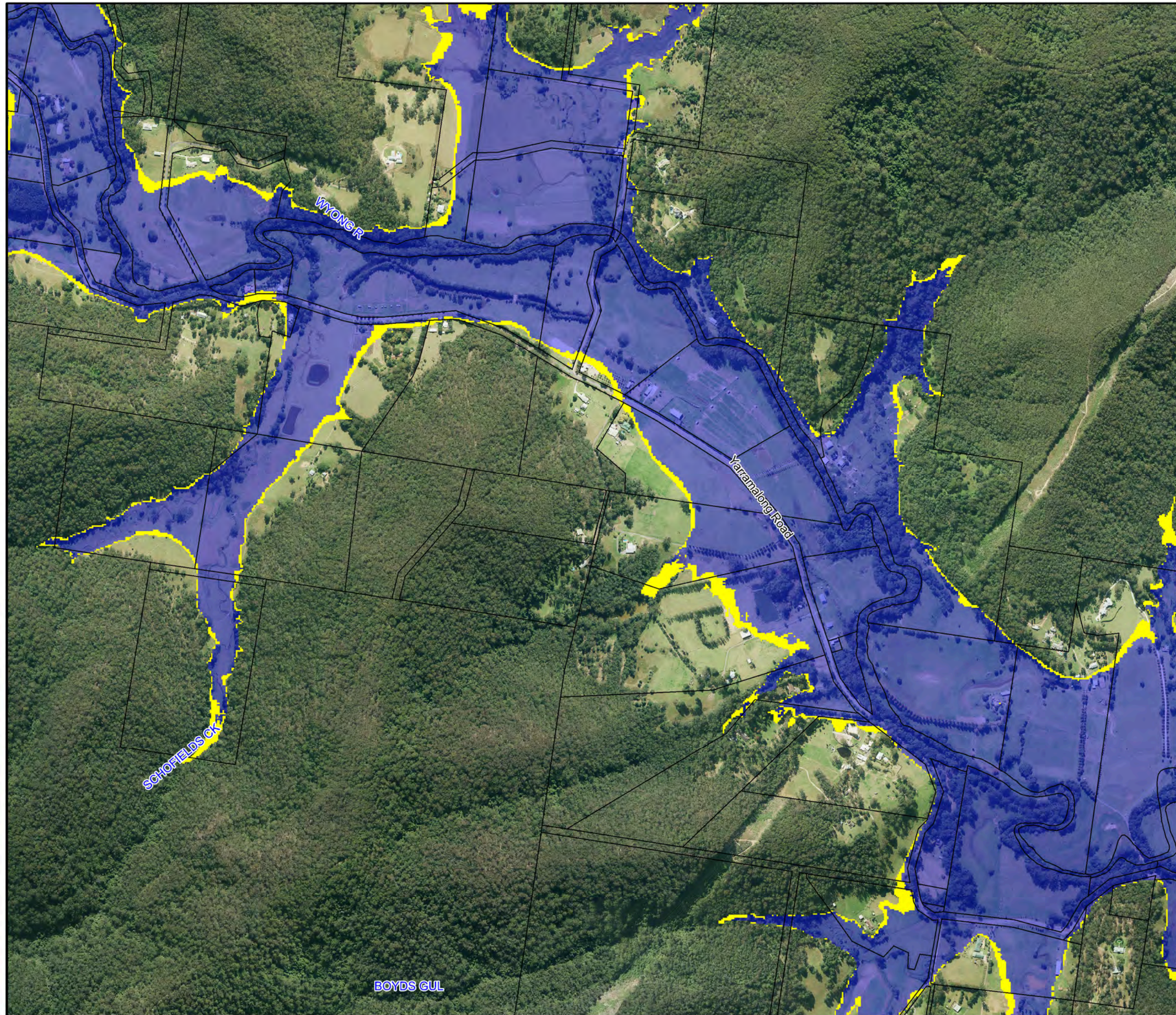
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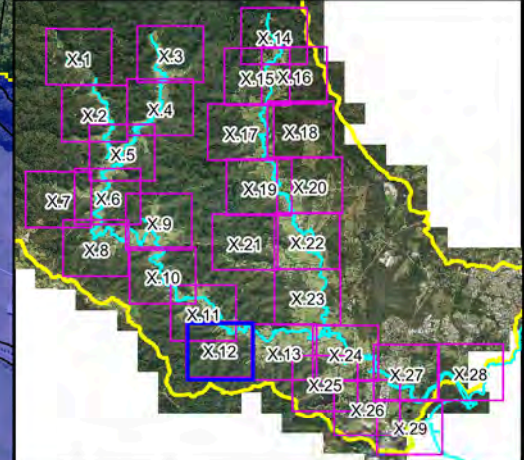


**Figure I4.11:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

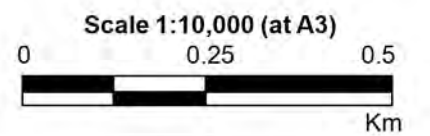





**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

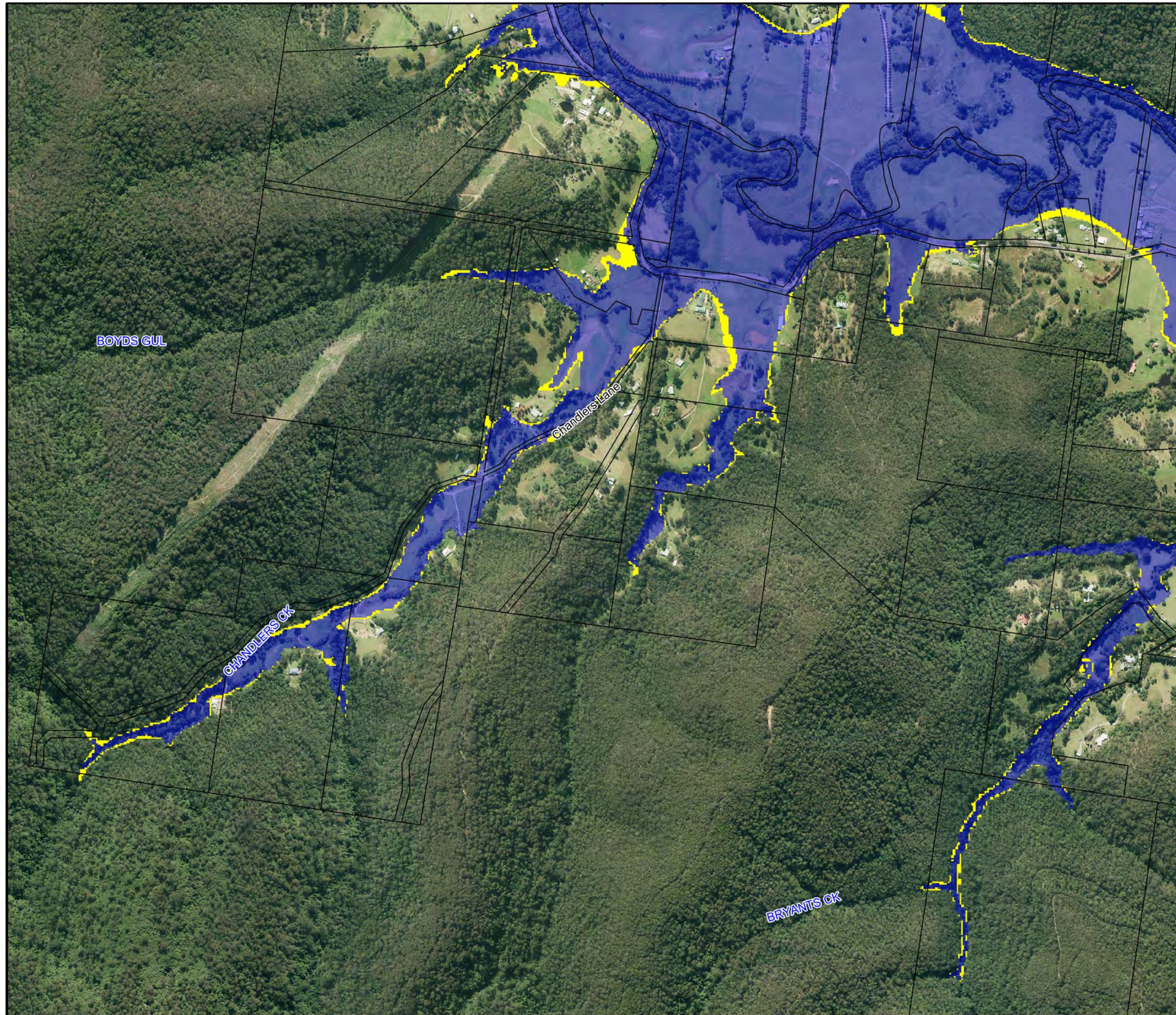
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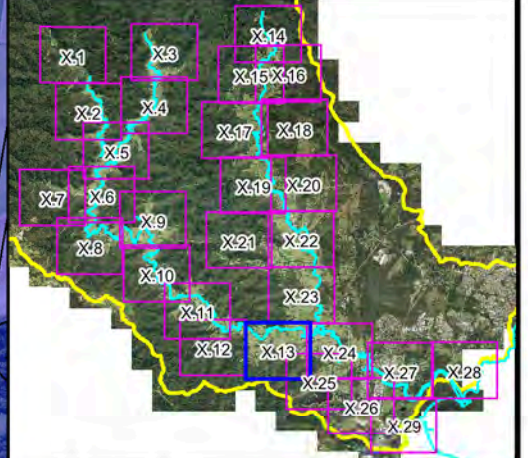
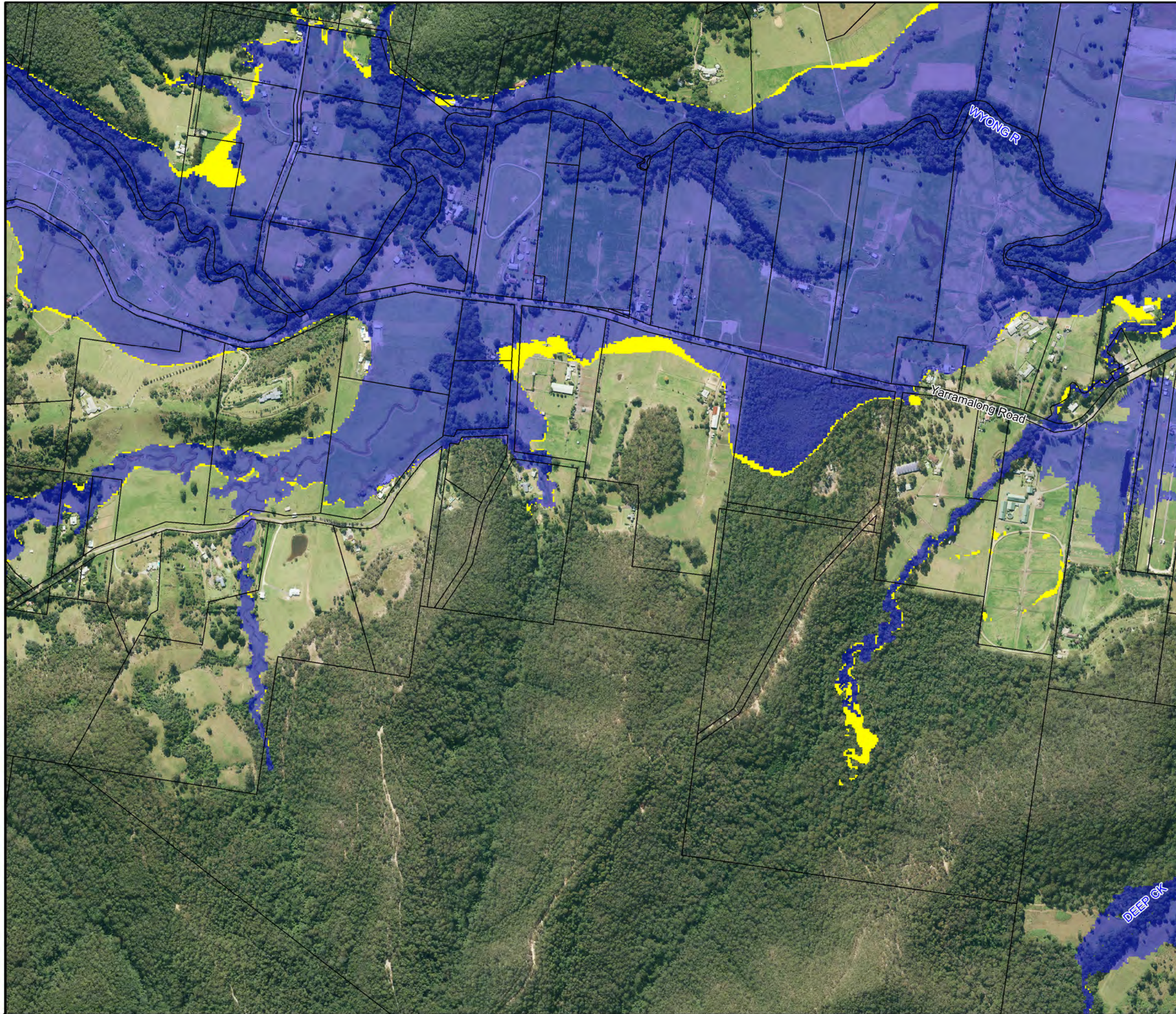


**Figure I4.12:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor





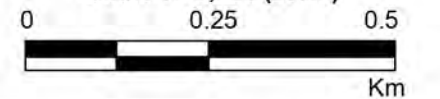
**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



Scale 1:10,000 (at A3)

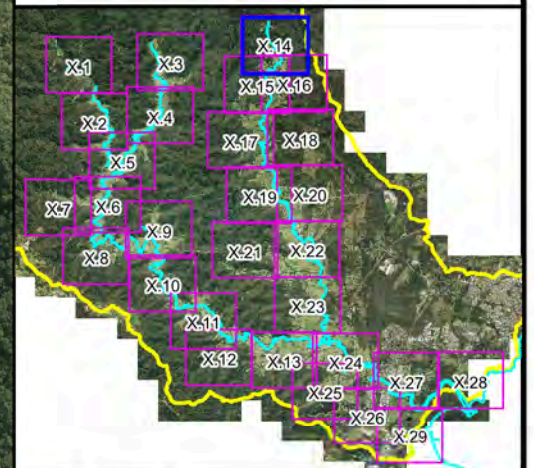


**Figure I4.13:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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Sydney, NSW 2000

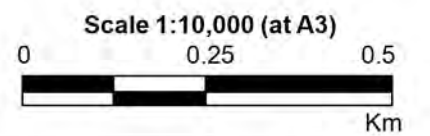
File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

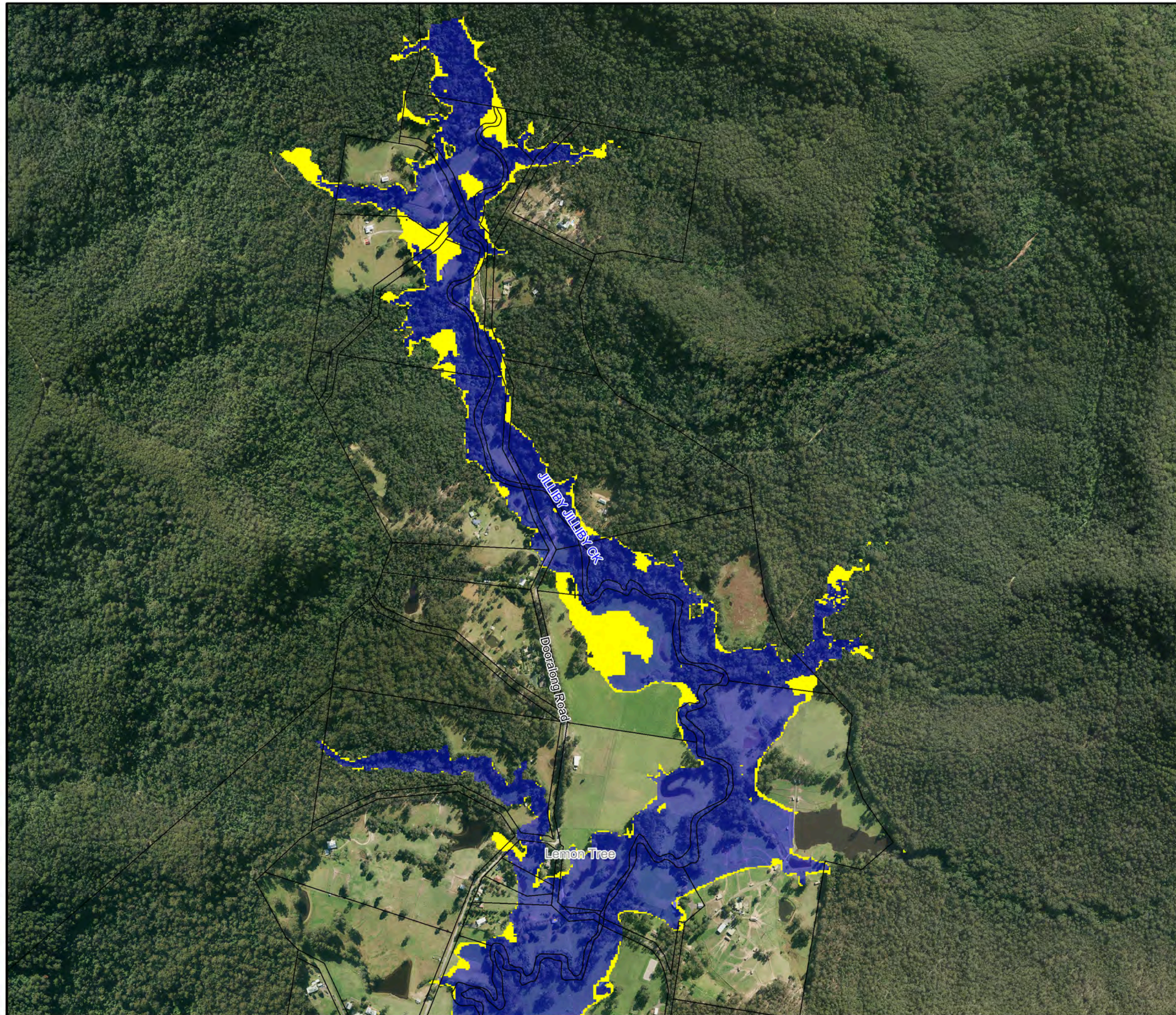
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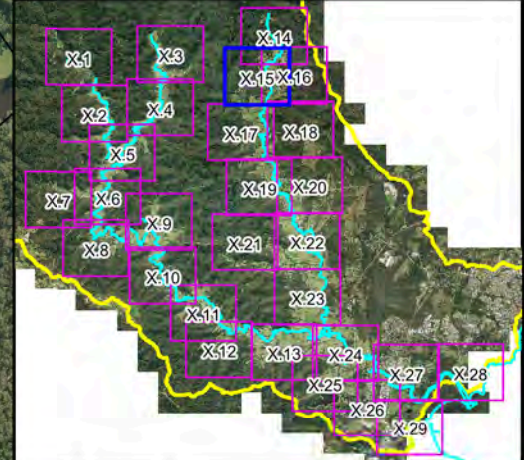


**Figure I4.14:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

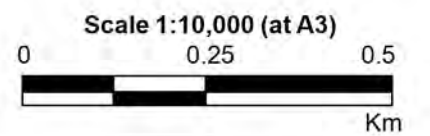





**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

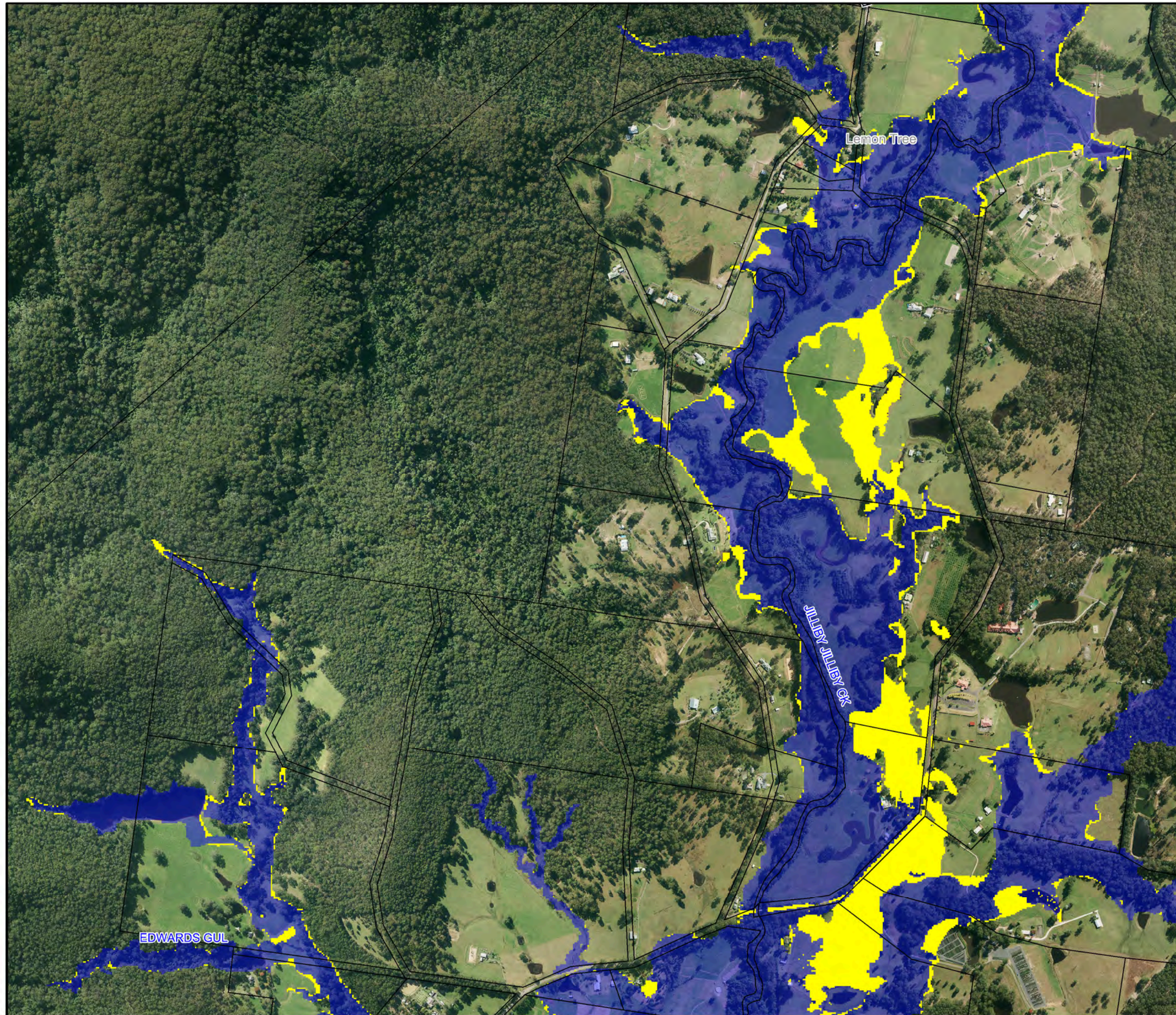
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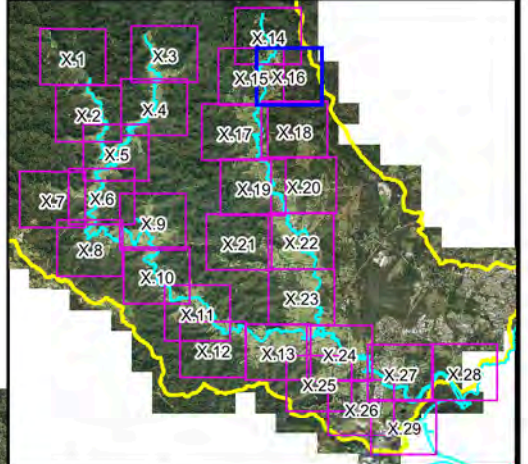
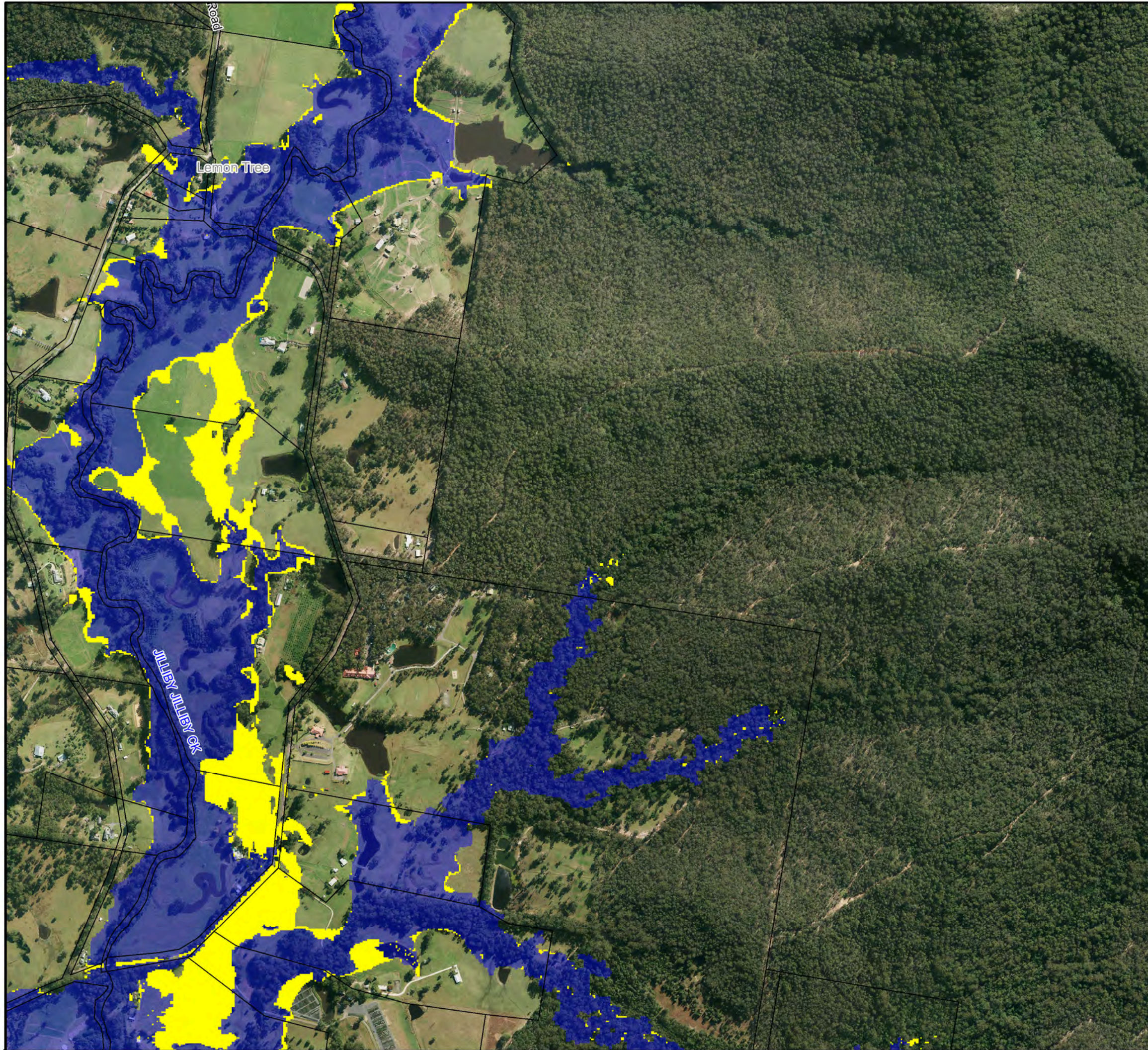


**Figure I4.15:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

Prepared By:  
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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

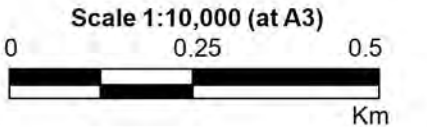




**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:

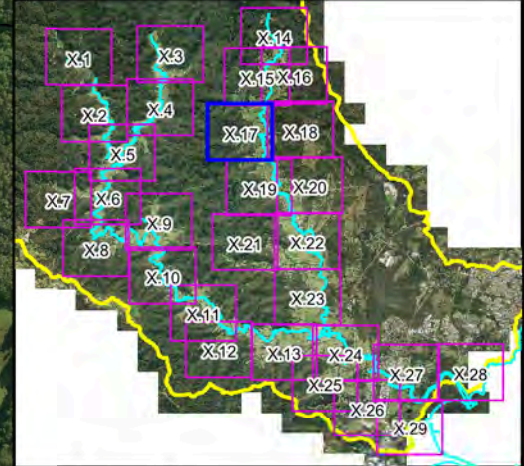


**Figure I4.16:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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 Sydney, NSW 2000

File Name: Areas Where Exceptional Circumstances Should Be Considered.wor

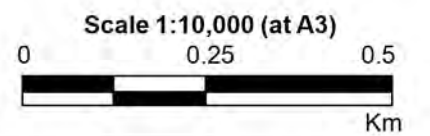





**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

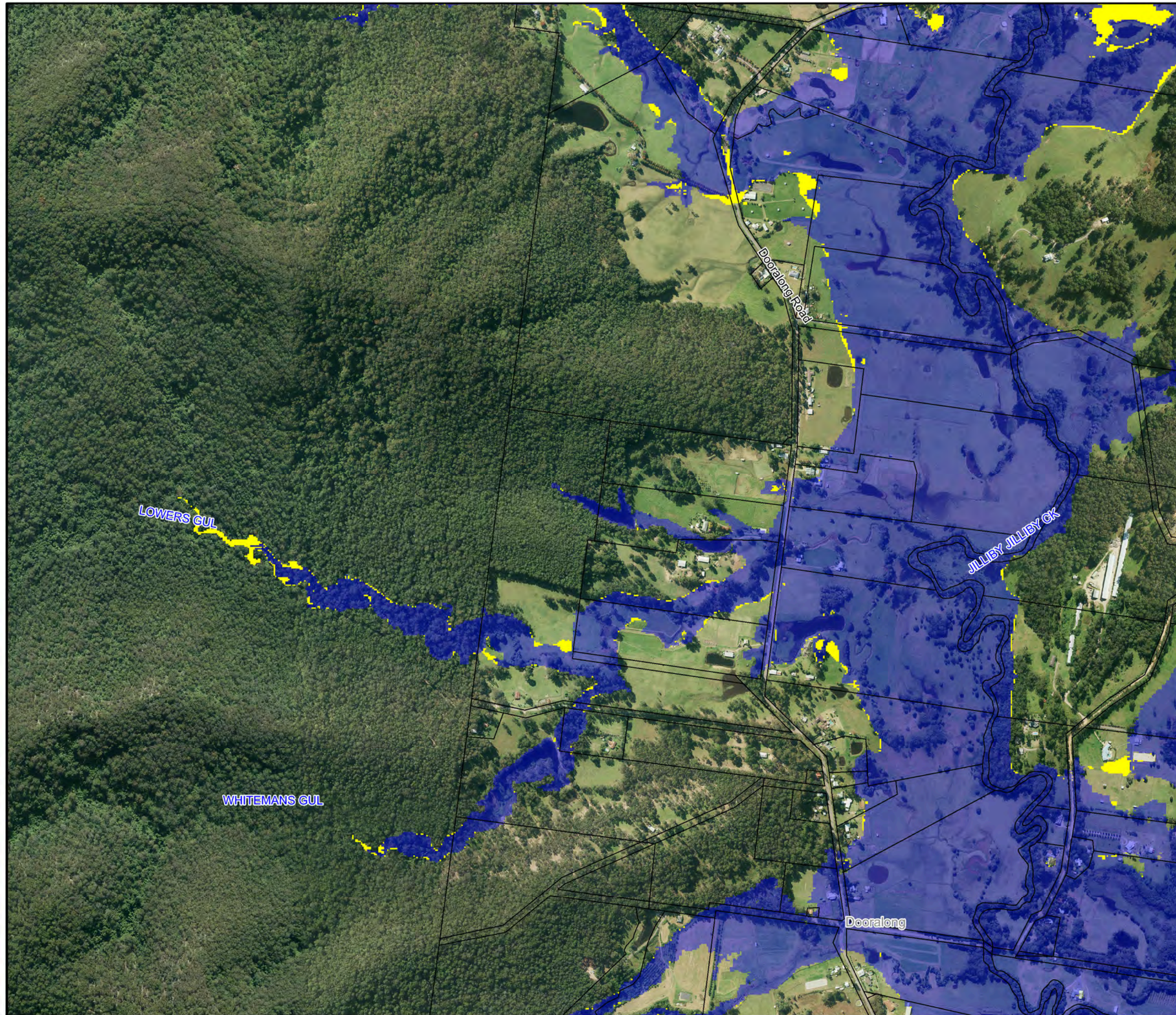
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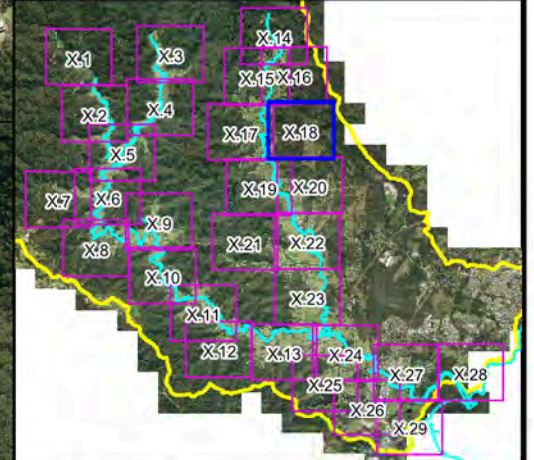
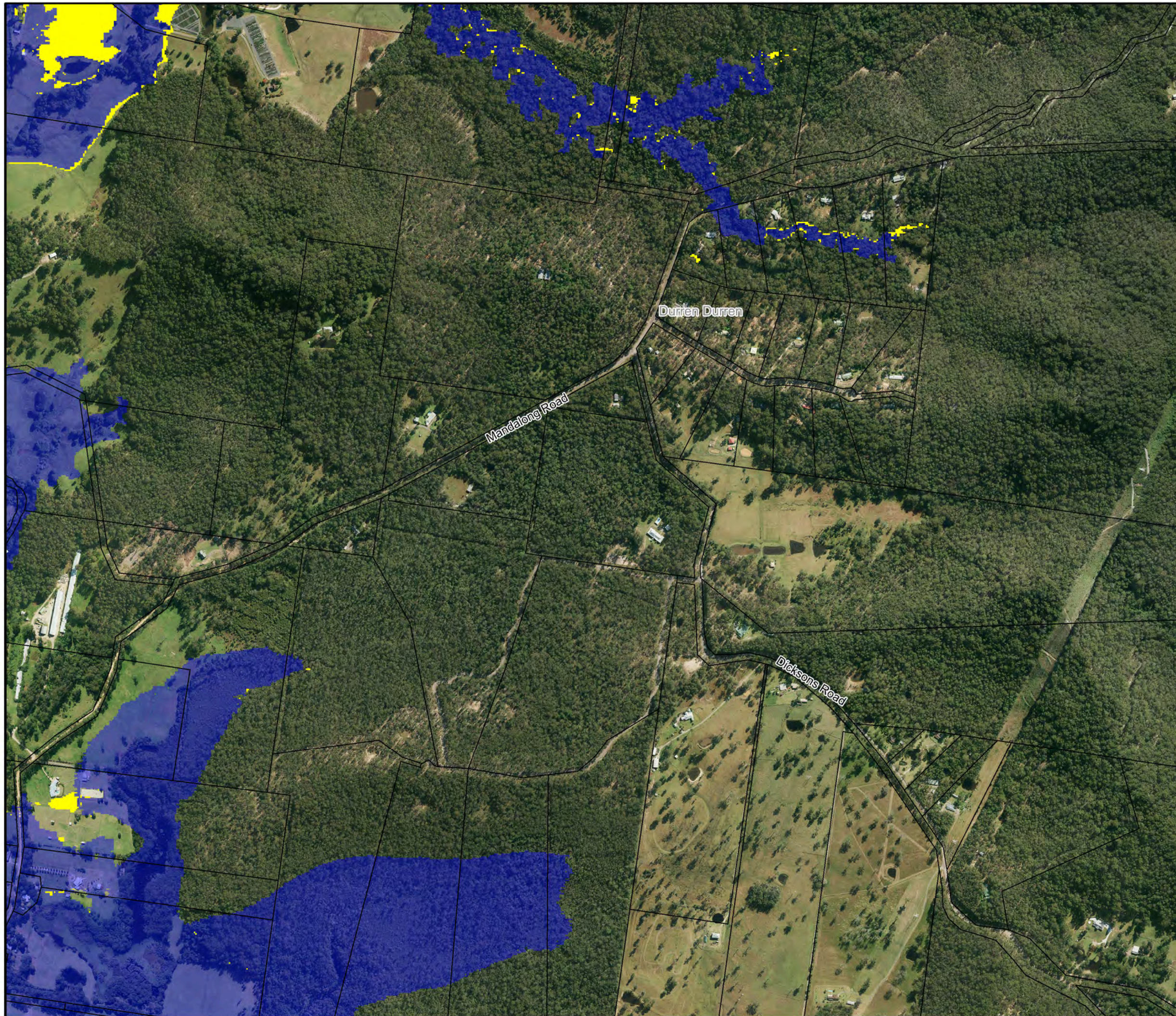


**Figure I4.17:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

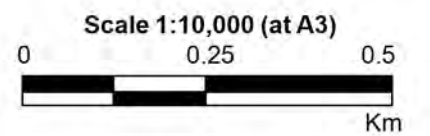




**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

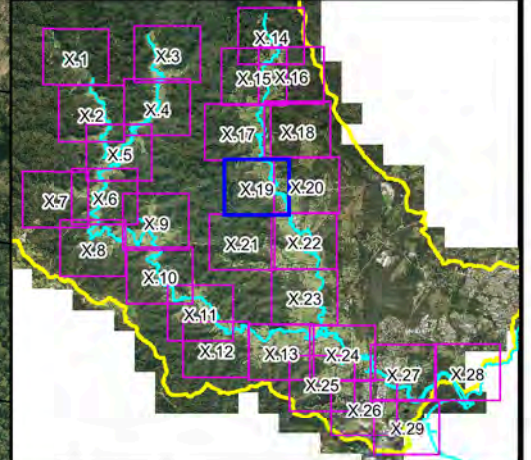
Notes:





**Figure I4.18:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Sydney, NSW 2000

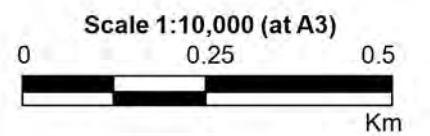
File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

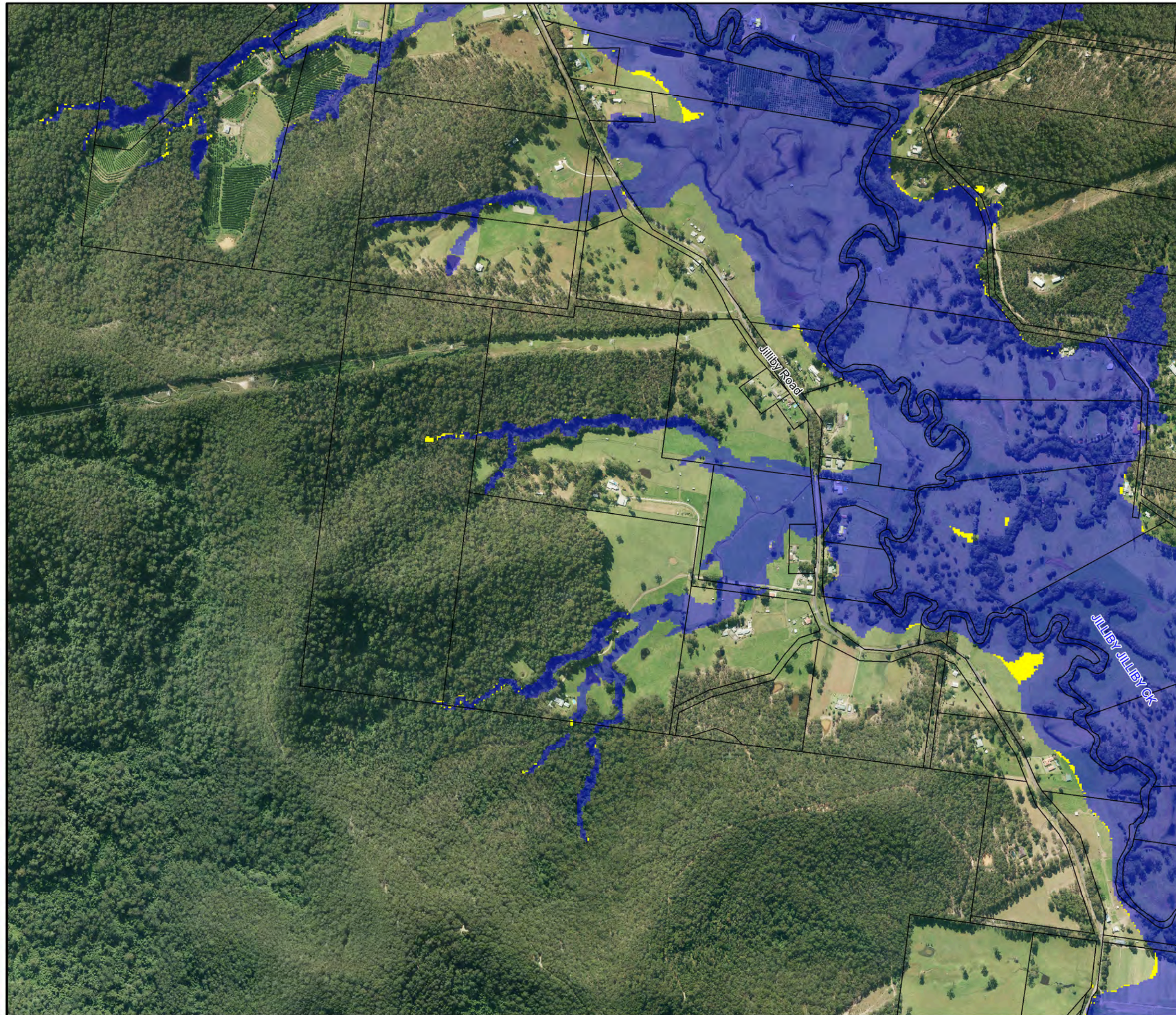
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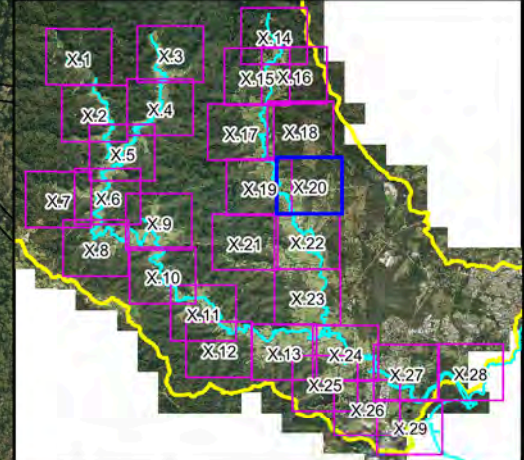


**Figure I4.19:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

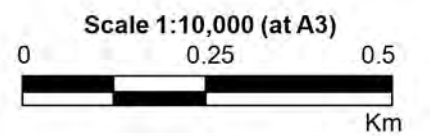





**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

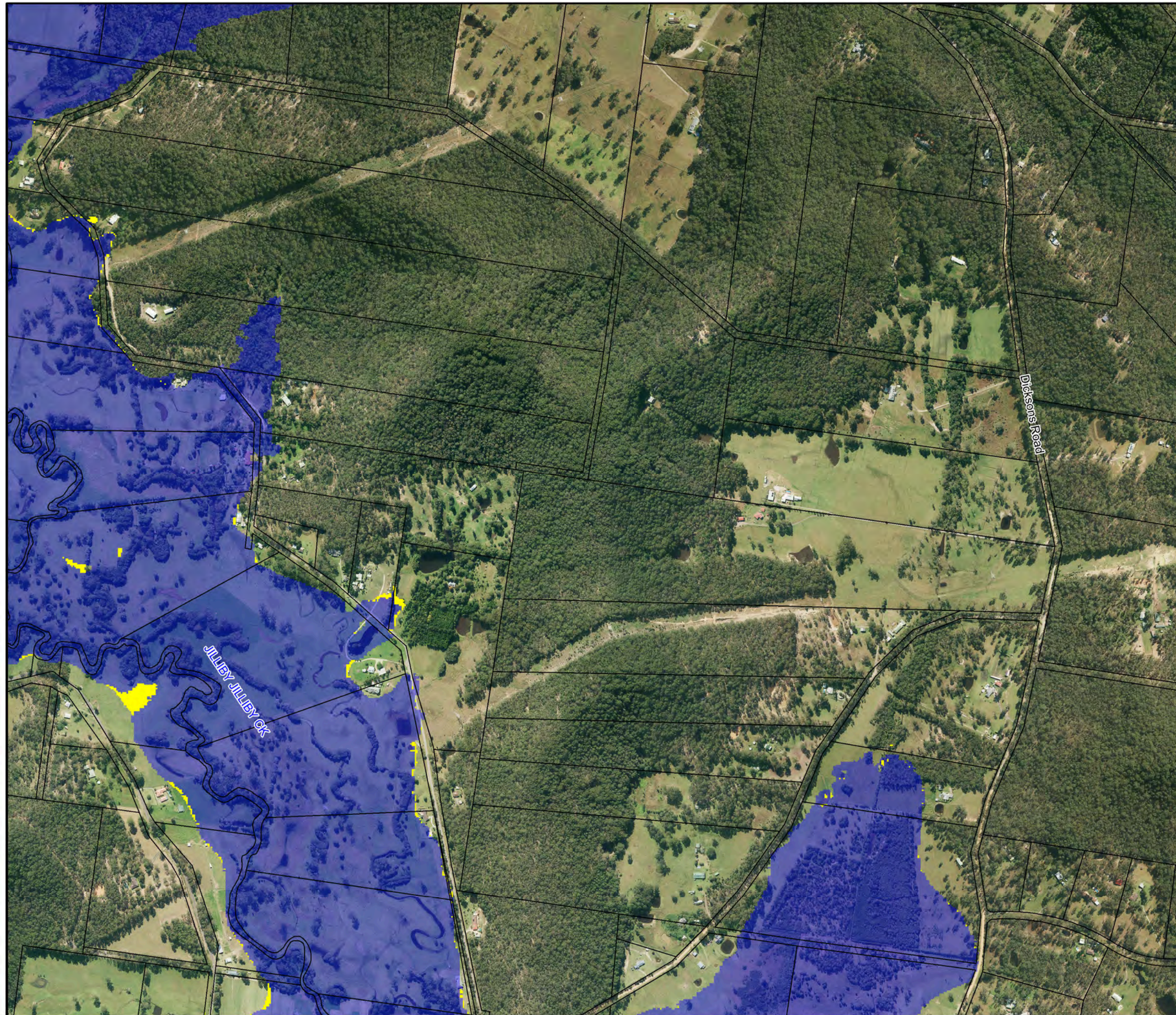
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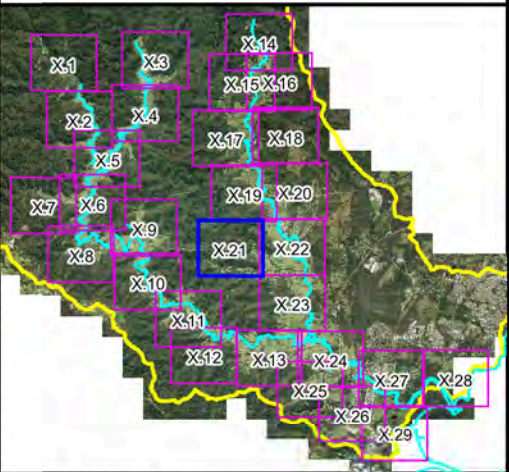
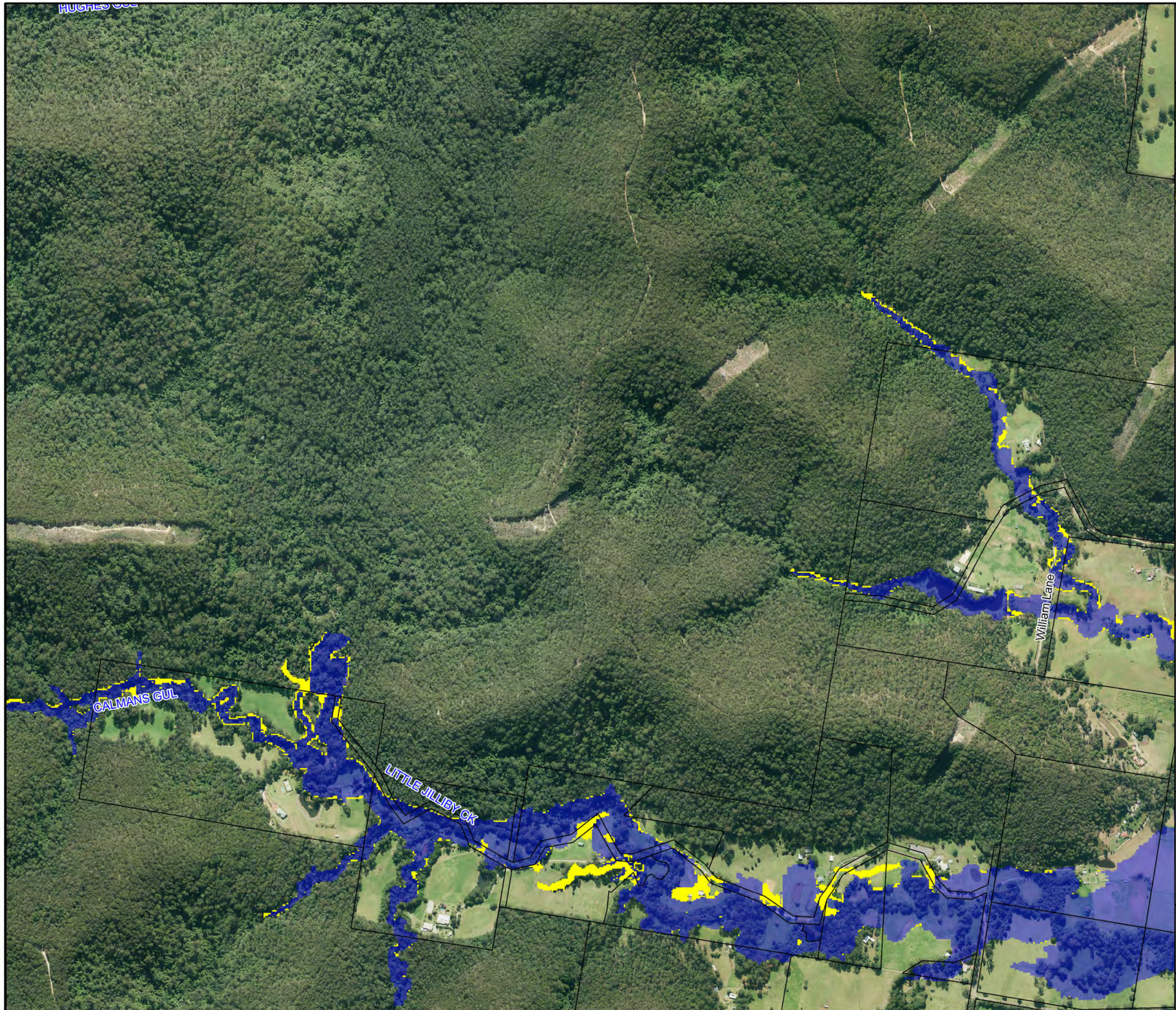


**Figure I4.20:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

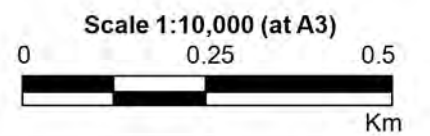




**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

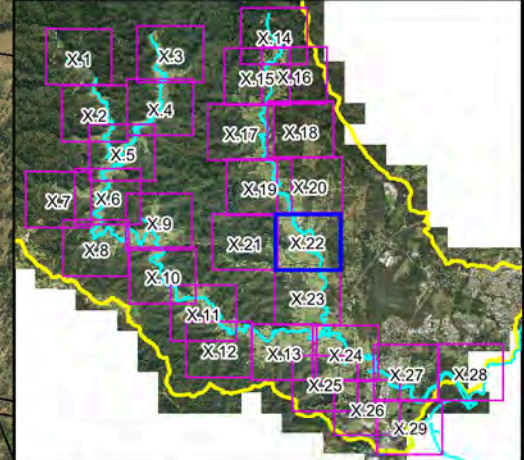
Notes:





**Figure I4.21:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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**Catchment Simulation Solutions**  
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 Sydney, NSW 2000

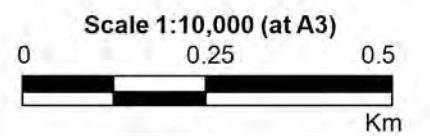
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

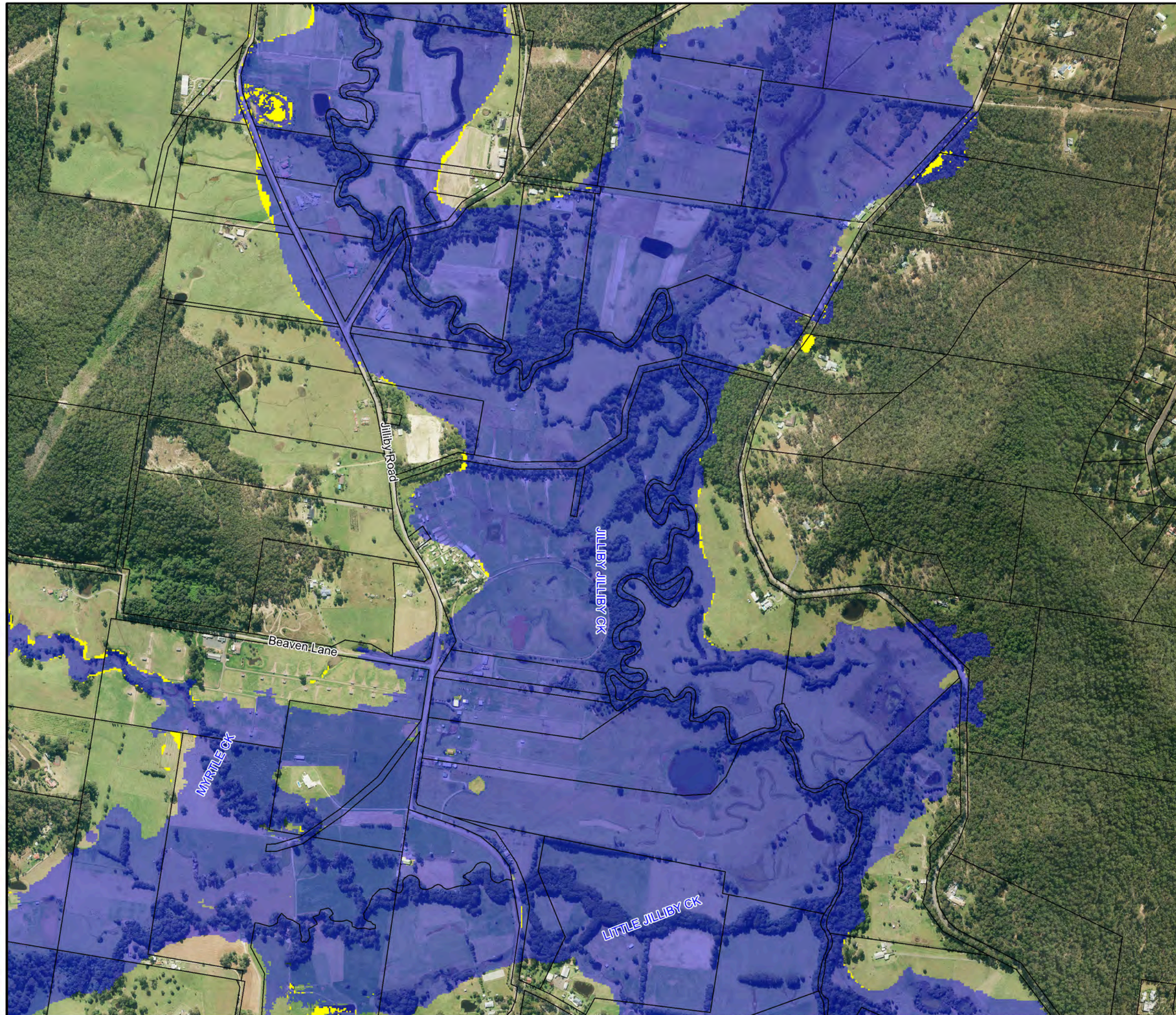
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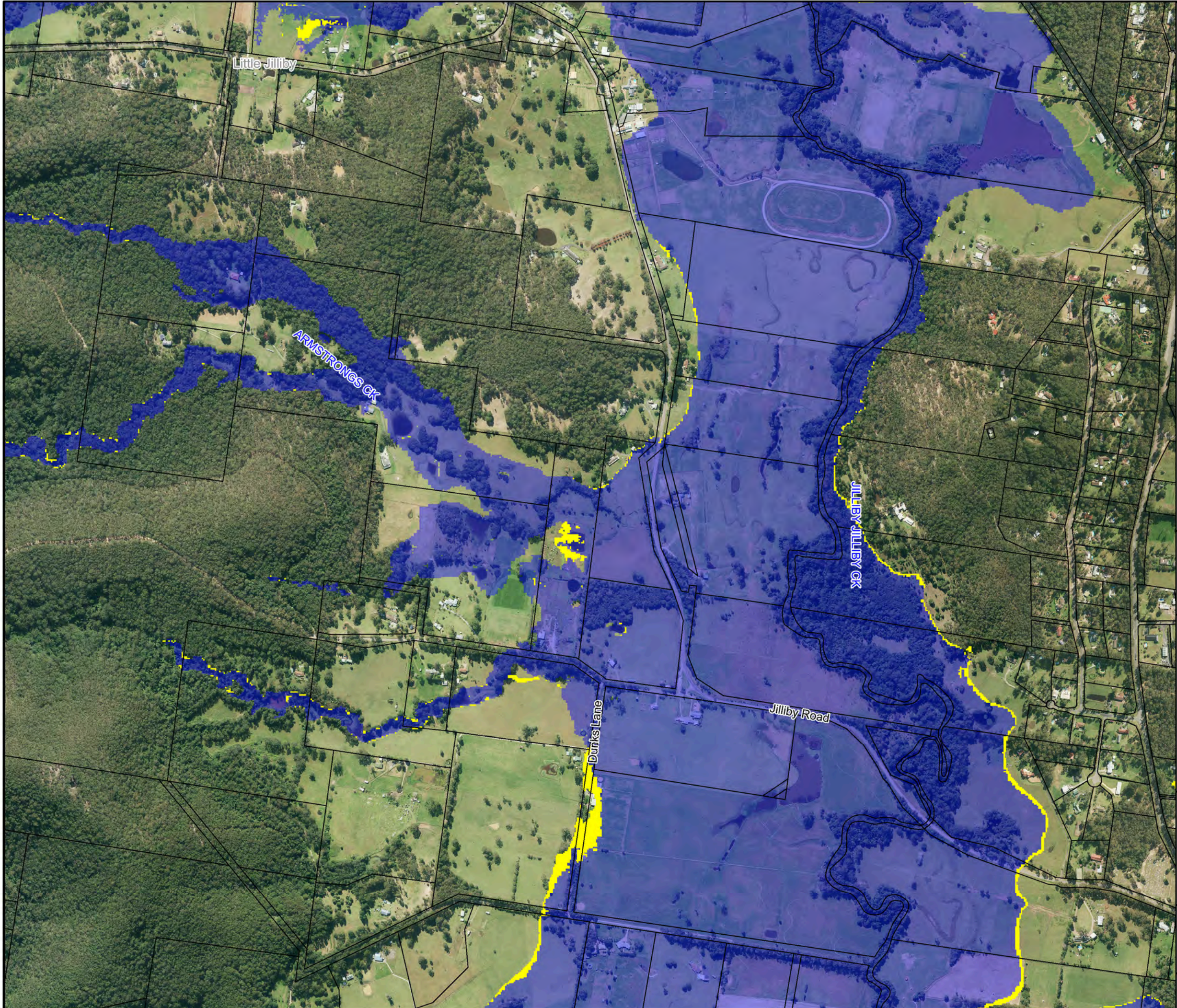
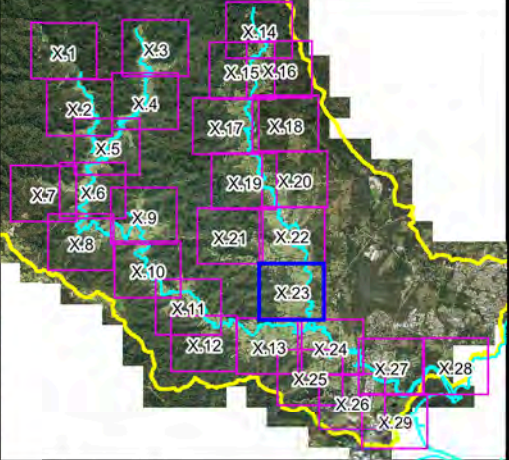


**Figure I4.22:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**



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 **Catchment Simulation Solutions**  
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Sydney, NSW 2000

File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor

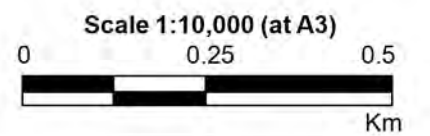





**LEGEND**

-  Areas where exceptional circumstances should be considered
-  Flood Planning Area

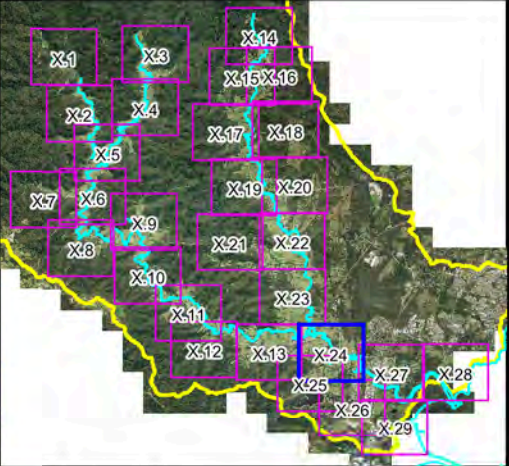
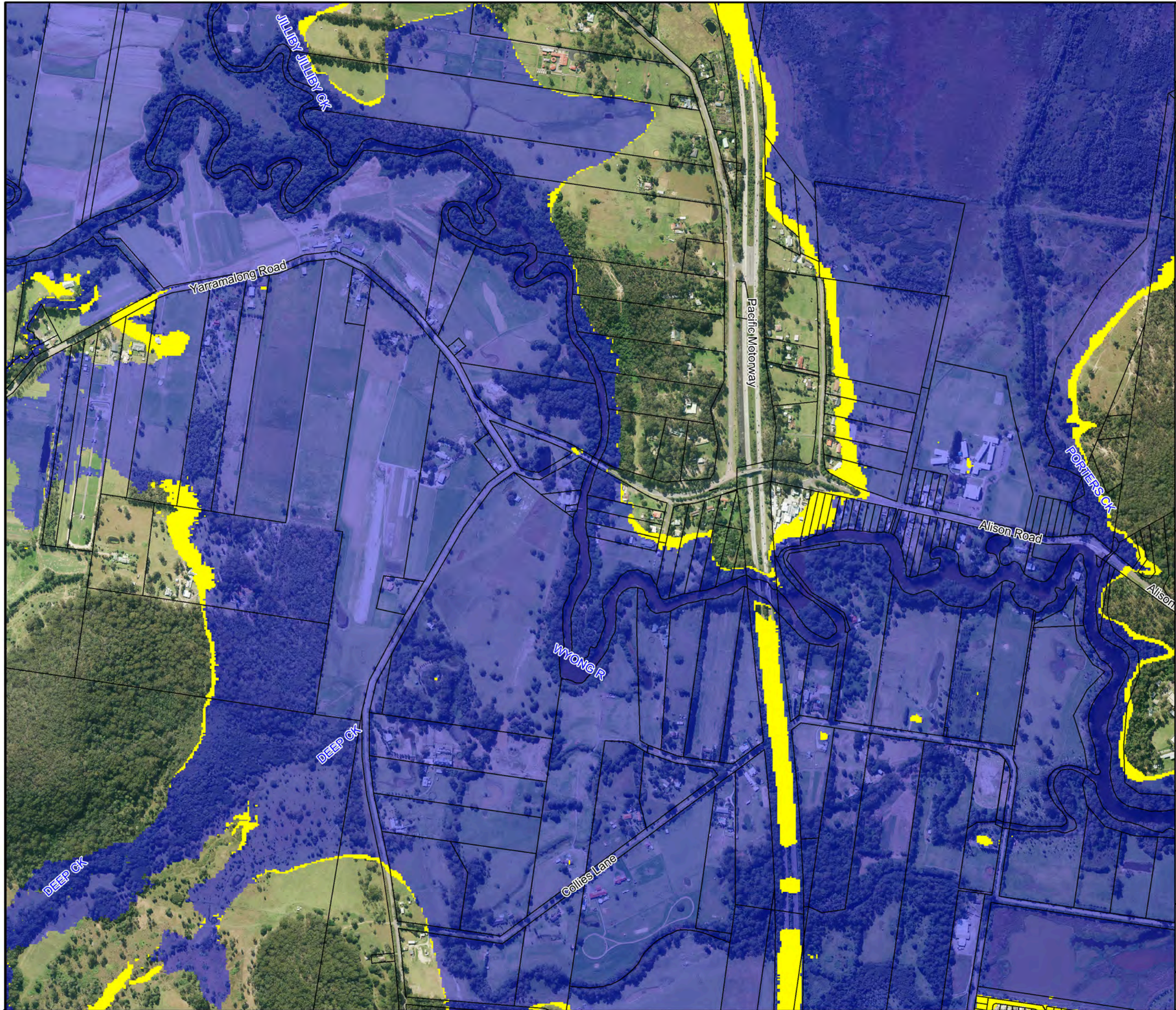
Notes:



**Figure I4.23:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

Prepared By:  
 Catchment Simulation Solutions  
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Sydney, NSW 2000

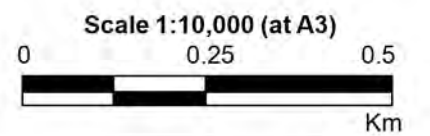
File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor



**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:

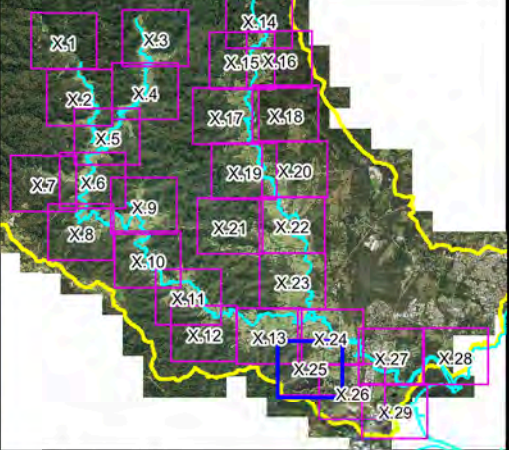
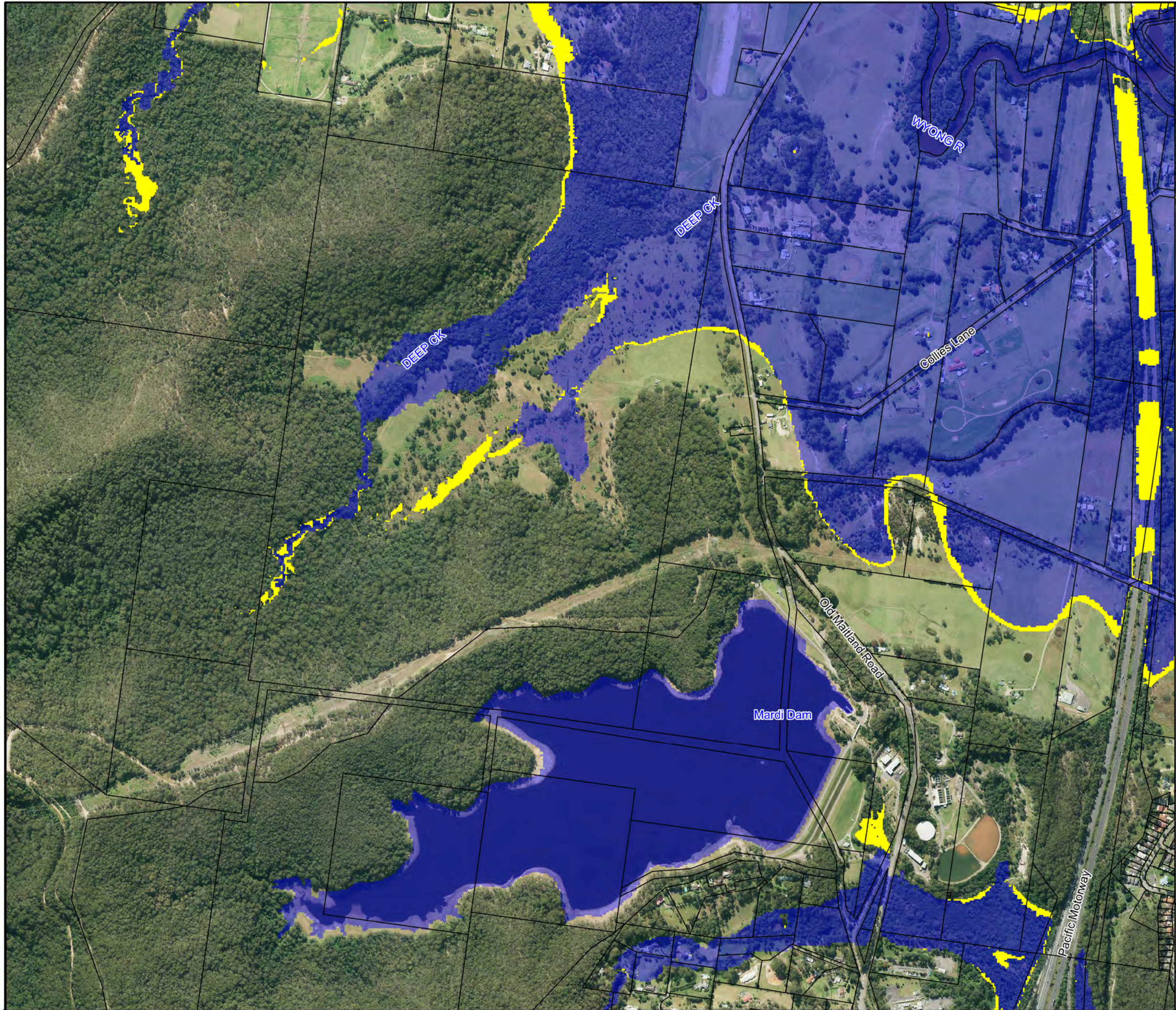


**Figure I4.24:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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

File Name: Areas Where Exceptional Circumstances Should Be Considered.wor

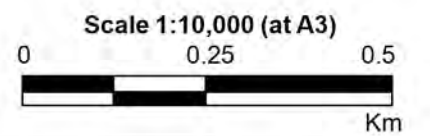




**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

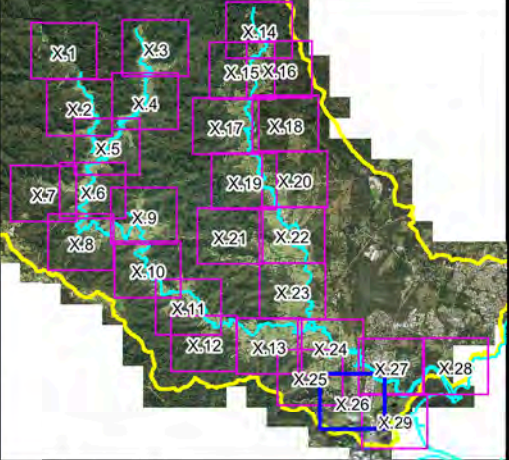
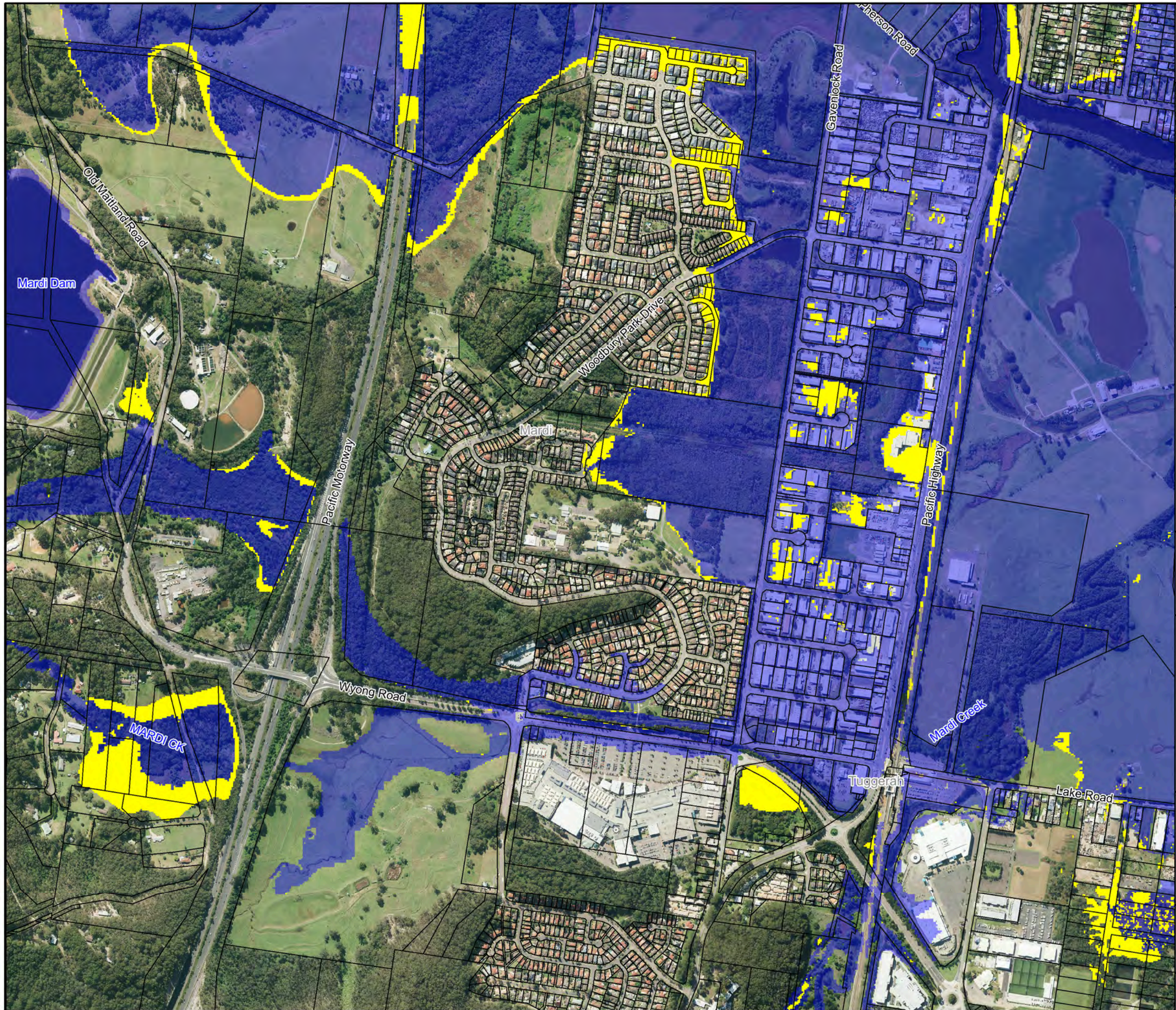
Notes:



**Figure I4.25:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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

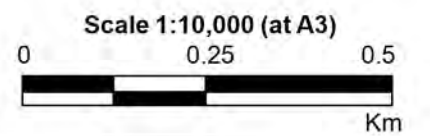
File Name: Areas Where Exceptional  
Circumstances Should Be Considered.wor



**LEGEND**

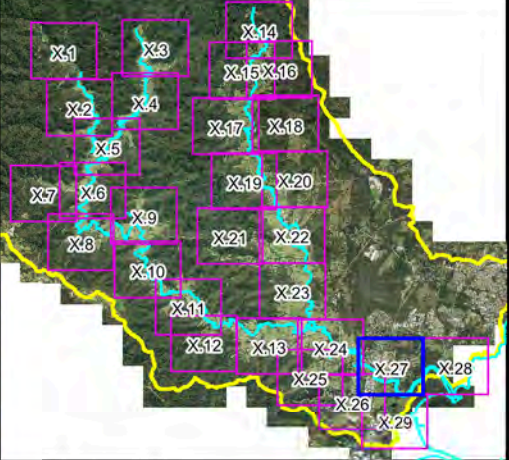
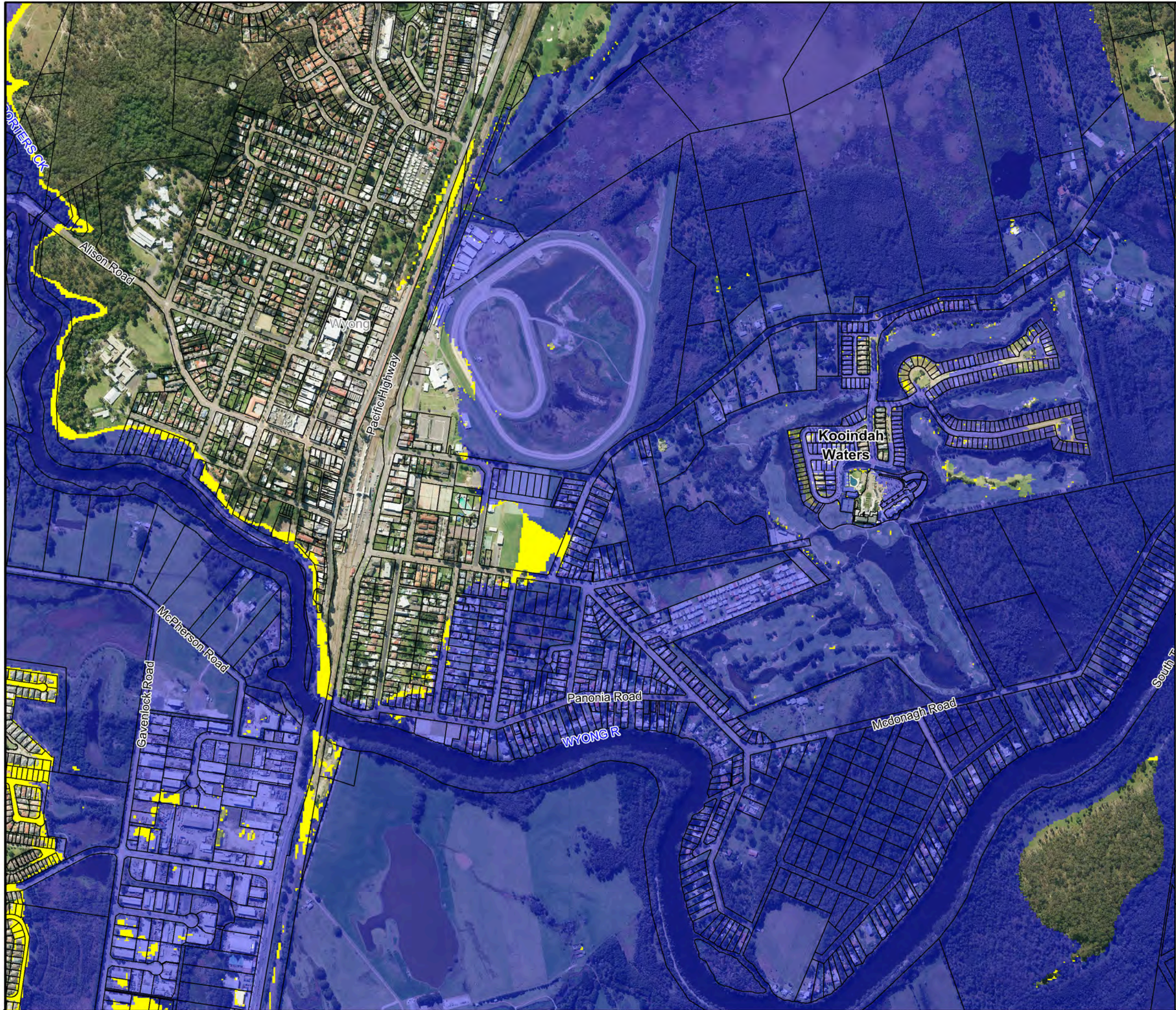
- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



**Figure I4.26:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

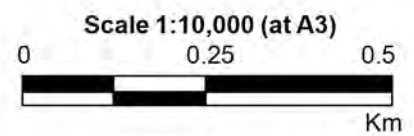
Prepared By:  
**Catchment Simulation Solutions**  
 Suite 2.01, 210 George St  
 Sydney, NSW 2000



**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

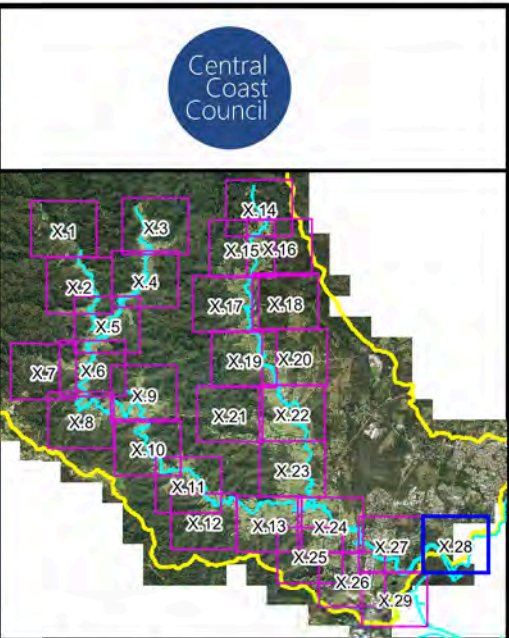
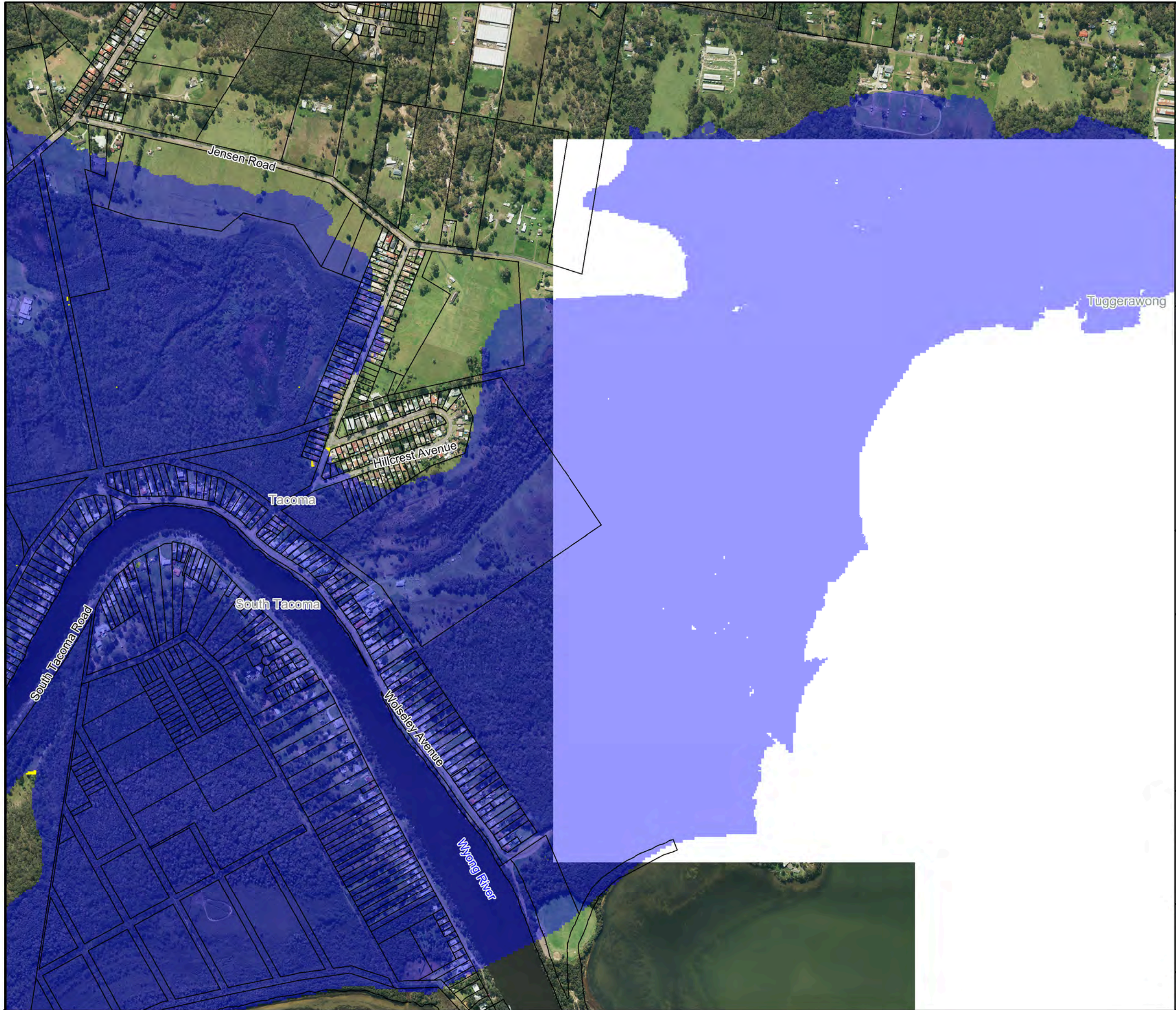
Notes:



**Figure I4.27:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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 Suite 2.01, 210 George St  
 Sydney, NSW 2000

File Name: Areas Where Exceptional Circumstances Should Be Considered.wor



**Central Coast Council**

**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:

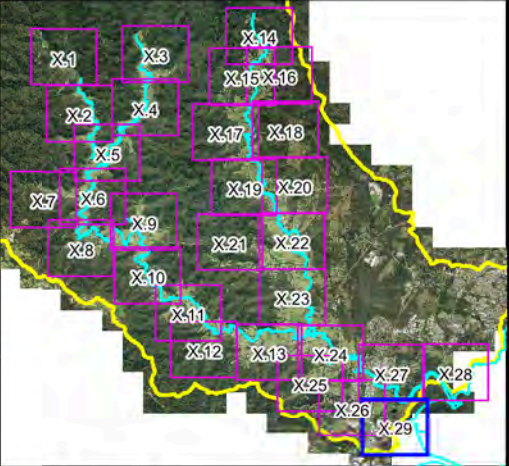
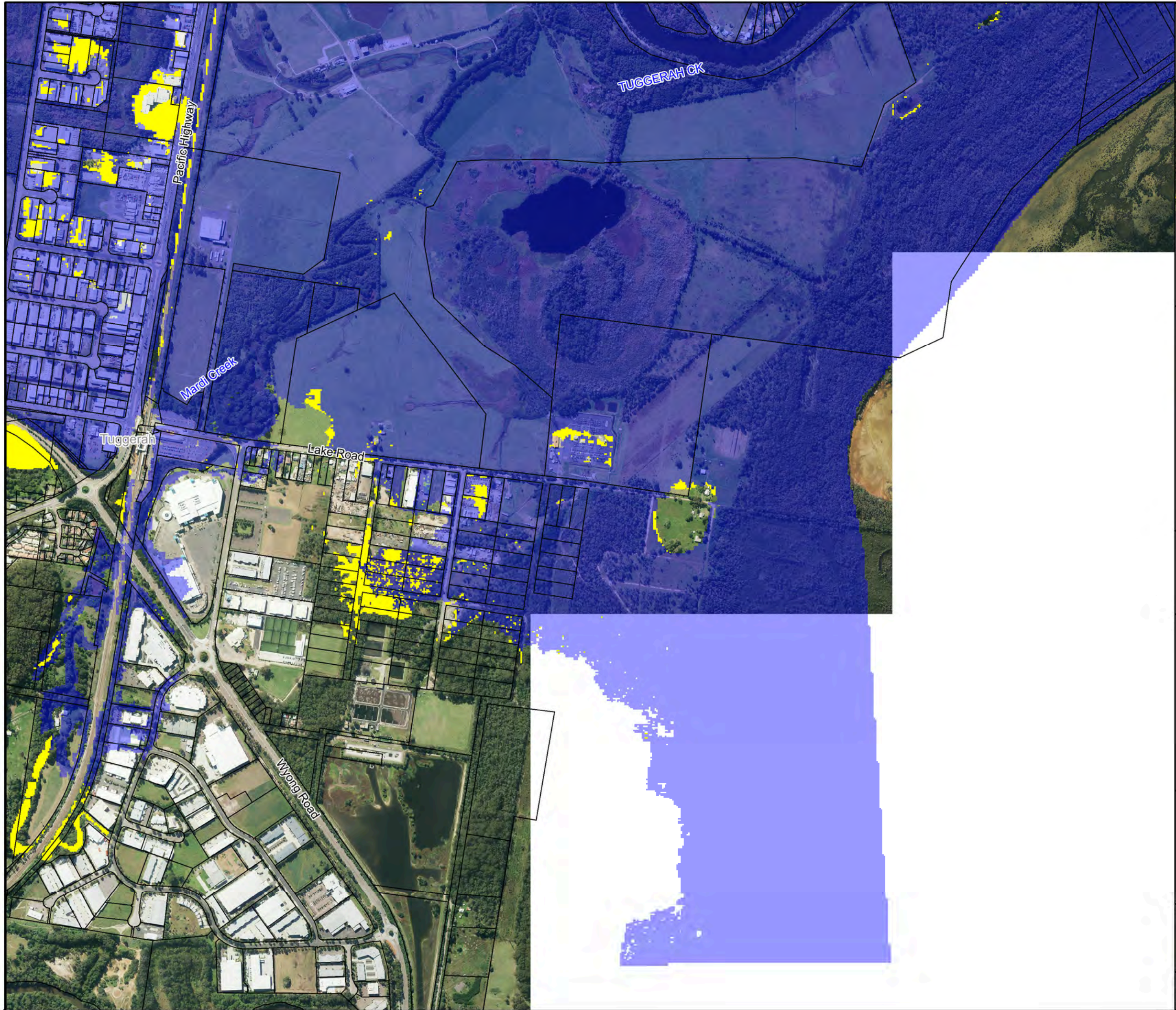
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**Figure I4.28:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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

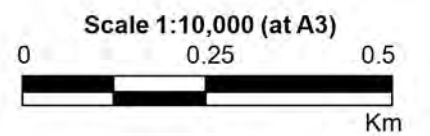
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor



**LEGEND**

- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



**Figure I4.29:  
Areas Where Exceptional  
Circumstances Should  
Be Considered**

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

File Name: Areas Where Exceptional Circumstances Should Be Considered.wor

---

# MAP SET J

## RESPONSE MODIFICATION OPTIONS

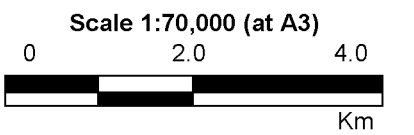
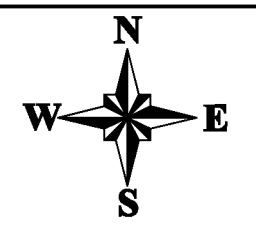
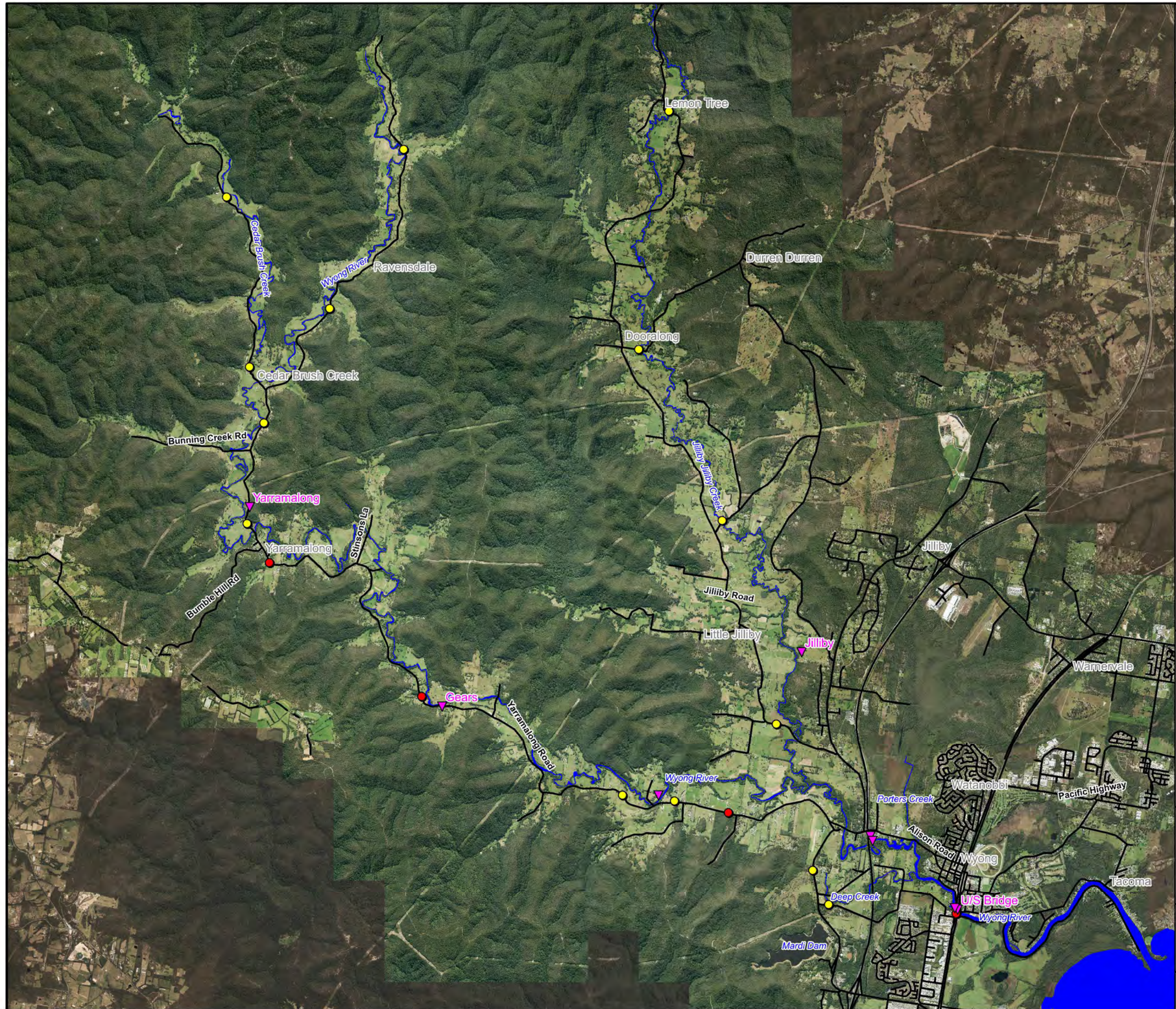
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**LEGEND**

- Critical Roadway Overtopping Location
- Critical Roadway Overtopping Location with an Existing Flood Depth Indicator
- Water Level Recorder



**Figure J1:  
Critical Roadway  
Overtopping  
Locations**

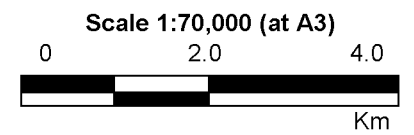
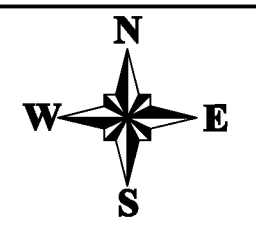
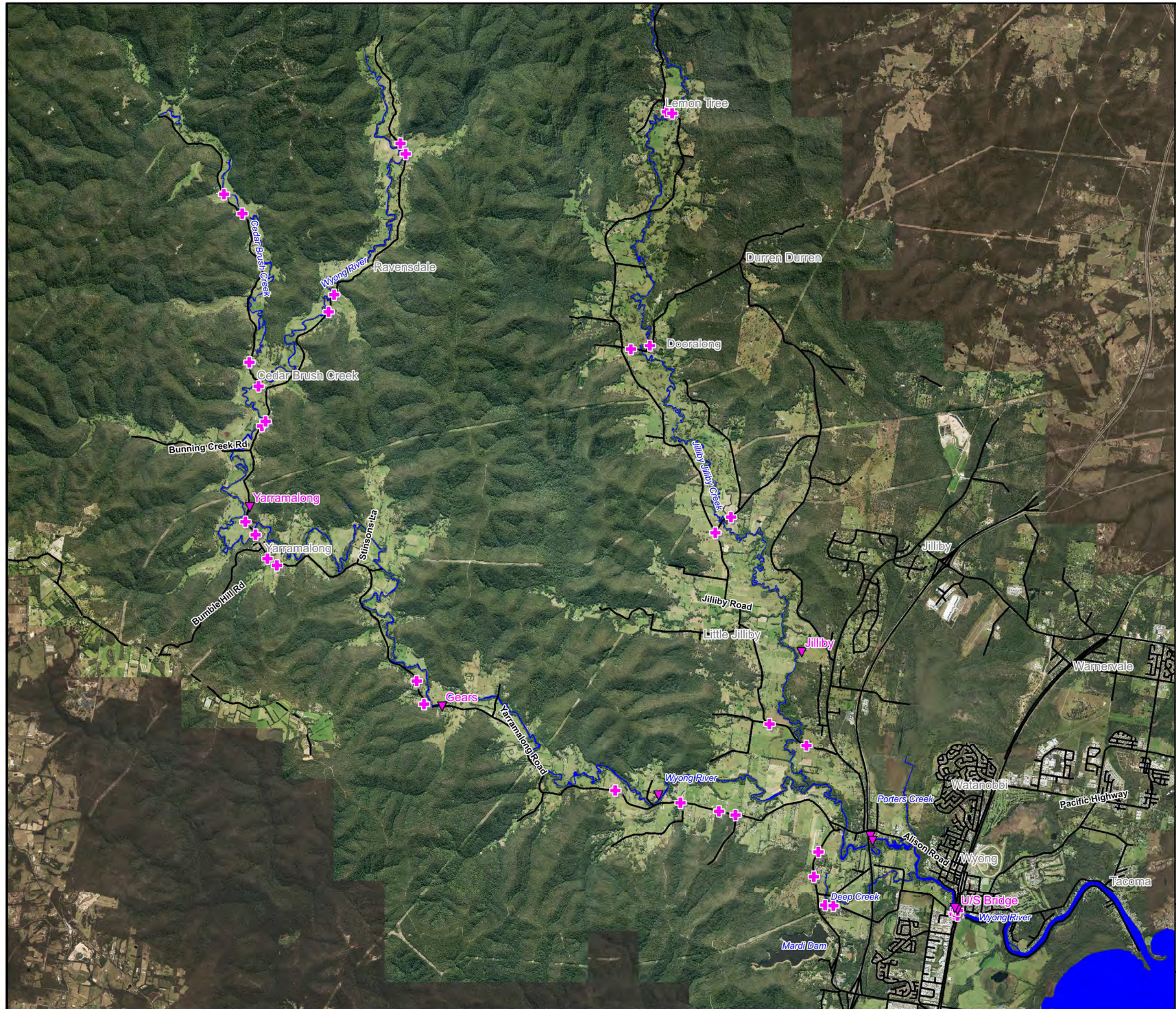
Prepared By:  
 Catchment Simulation Solutions  
Suite 2.01, 210 George St  
Sydney, NSW 2000

File Name: Critical Roadway Overtopping Locations .wor



**LEGEND**

- ✦ Potential Flood Barrier Location
- ▼ Water Level Recorder



**Figure J2:  
Potential Flood  
Barrier Locations**

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Sydney, NSW 2000

File Name: Potential Flood Gate  
Locations.wor



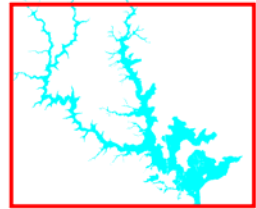
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# MAP SET K

## DRAFT FLOODPLAIN RISK MANAGEMENT PLAN

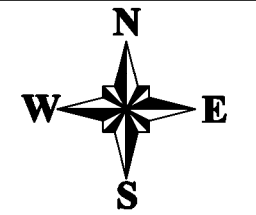
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**LEGEND**

- 1% AEP Flood Planning Area
- Flood Modification Options
- Property Modification Options
- Response Modification Options



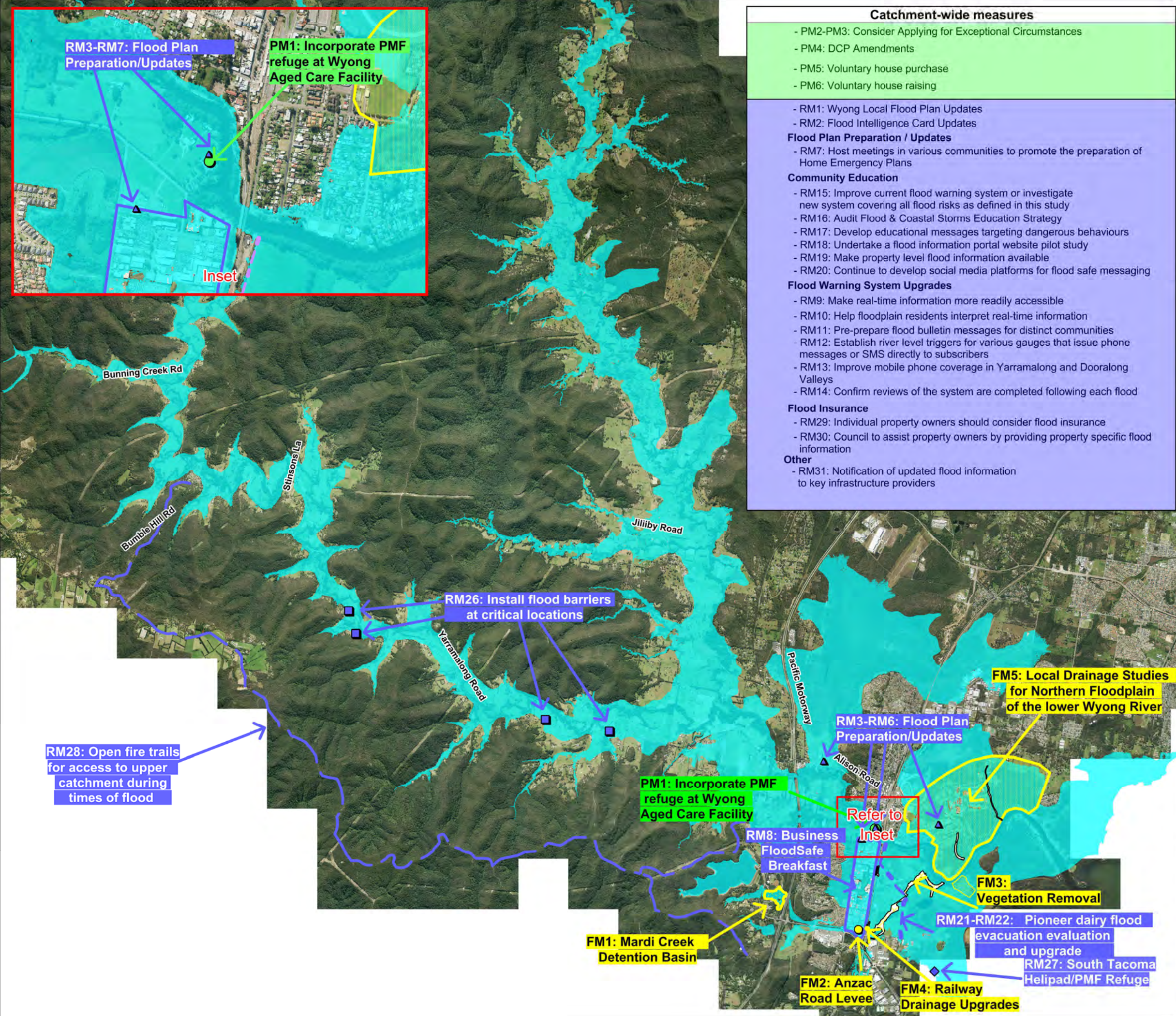
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**Figure K1:  
Wyong River Catchment  
Floodplain Risk  
Management Plan**

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Sydney, NSW 2000

File Name: FigK1 - FPRMS Plan.wor

- Catchment-wide measures**
- PM2-PM3: Consider Applying for Exceptional Circumstances
  - PM4: DCP Amendments
  - PM5: Voluntary house purchase
  - PM6: Voluntary house raising
- Flood Plan Preparation / Updates**
- RM1: Wyong Local Flood Plan Updates
  - RM2: Flood Intelligence Card Updates
  - RM7: Host meetings in various communities to promote the preparation of Home Emergency Plans
- Community Education**
- RM15: Improve current flood warning system or investigate new system covering all flood risks as defined in this study
  - RM16: Audit Flood & Coastal Storms Education Strategy
  - RM17: Develop educational messages targeting dangerous behaviours
  - RM18: Undertake a flood information portal website pilot study
  - RM19: Make property level flood information available
  - RM20: Continue to develop social media platforms for flood safe messaging
- Flood Warning System Upgrades**
- RM9: Make real-time information more readily accessible
  - RM10: Help floodplain residents interpret real-time information
  - RM11: Pre-prepare flood bulletin messages for distinct communities
  - RM12: Establish river level triggers for various gauges that issue phone messages or SMS directly to subscribers
  - RM13: Improve mobile phone coverage in Yarramalong and Doorlong Valleys
  - RM14: Confirm reviews of the system are completed following each flood
- Flood Insurance**
- RM29: Individual property owners should consider flood insurance
  - RM30: Council to assist property owners by providing property specific flood information
- Other**
- RM31: Notification of updated flood information to key infrastructure providers



RM3-RM7: Flood Plan Preparation/Updates

PM1: Incorporate PMF refuge at Wyong Aged Care Facility

Inset

Bunning Creek Rd

Stinsons La

Bumble Hill Rd

Jiliby Road

RM26: Install flood barriers at critical locations

Yarramalong Road

FM5: Local Drainage Studies for Northern Floodplain of the lower Wyong River

RM3-RM6: Flood Plan Preparation/Updates

Pacific Motorway

Alison Road

PM1: Incorporate PMF refuge at Wyong Aged Care Facility

RM8: Business FloodSafe Breakfast

Refer to Inset

FM3: Vegetation Removal

RM21-RM22: Pioneer dairy flood evacuation evaluation and upgrade

RM27: South Tacoma Helipad/PMF Refuge

FM1: Mardi Creek Detention Basin

FM2: Anzac Road Levee

FM4: Railway Drainage Upgrades

RM28: Open fire trails for access to upper catchment during times of flood