

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

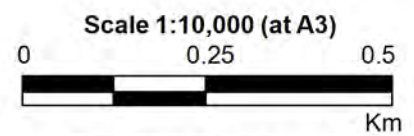
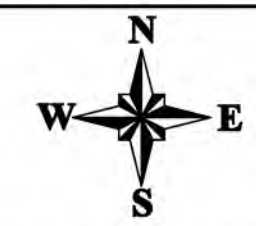
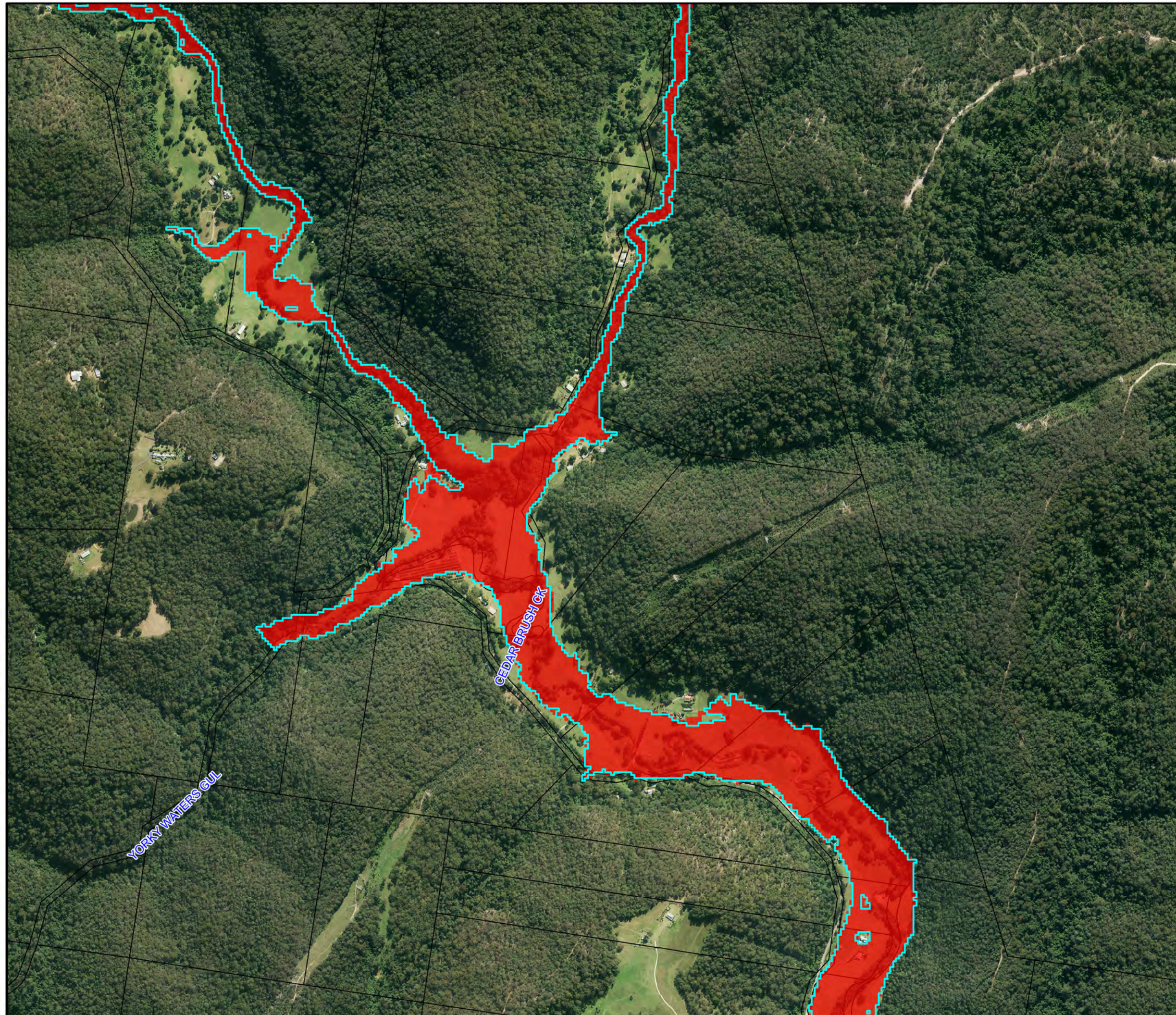
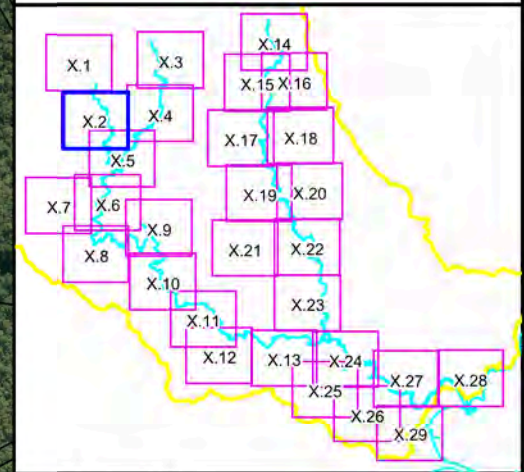


Figure A16.1:
Peak 1% AEP Flood Extent 15% increase in Rainfall & 0.4m Increase in Tuggerah Lake Level

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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

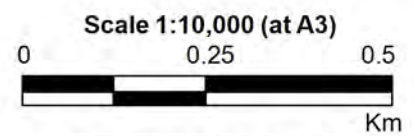
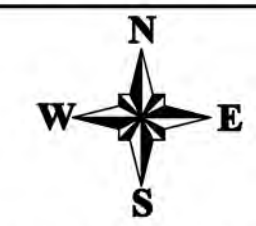
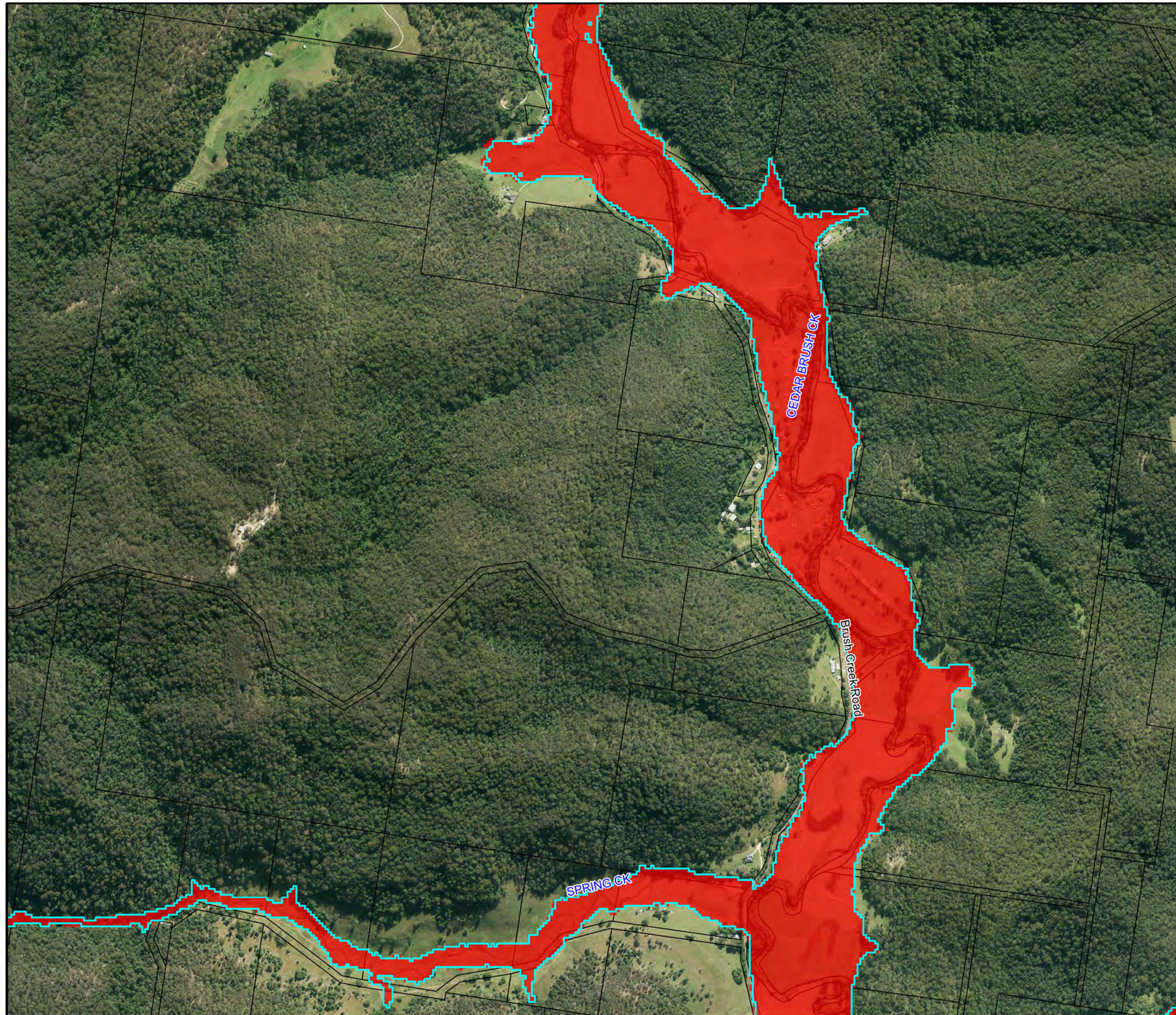
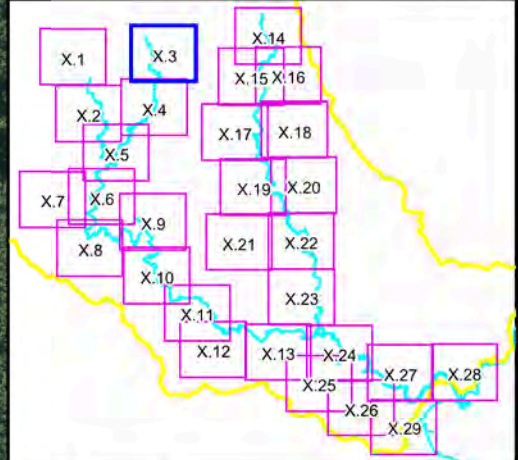
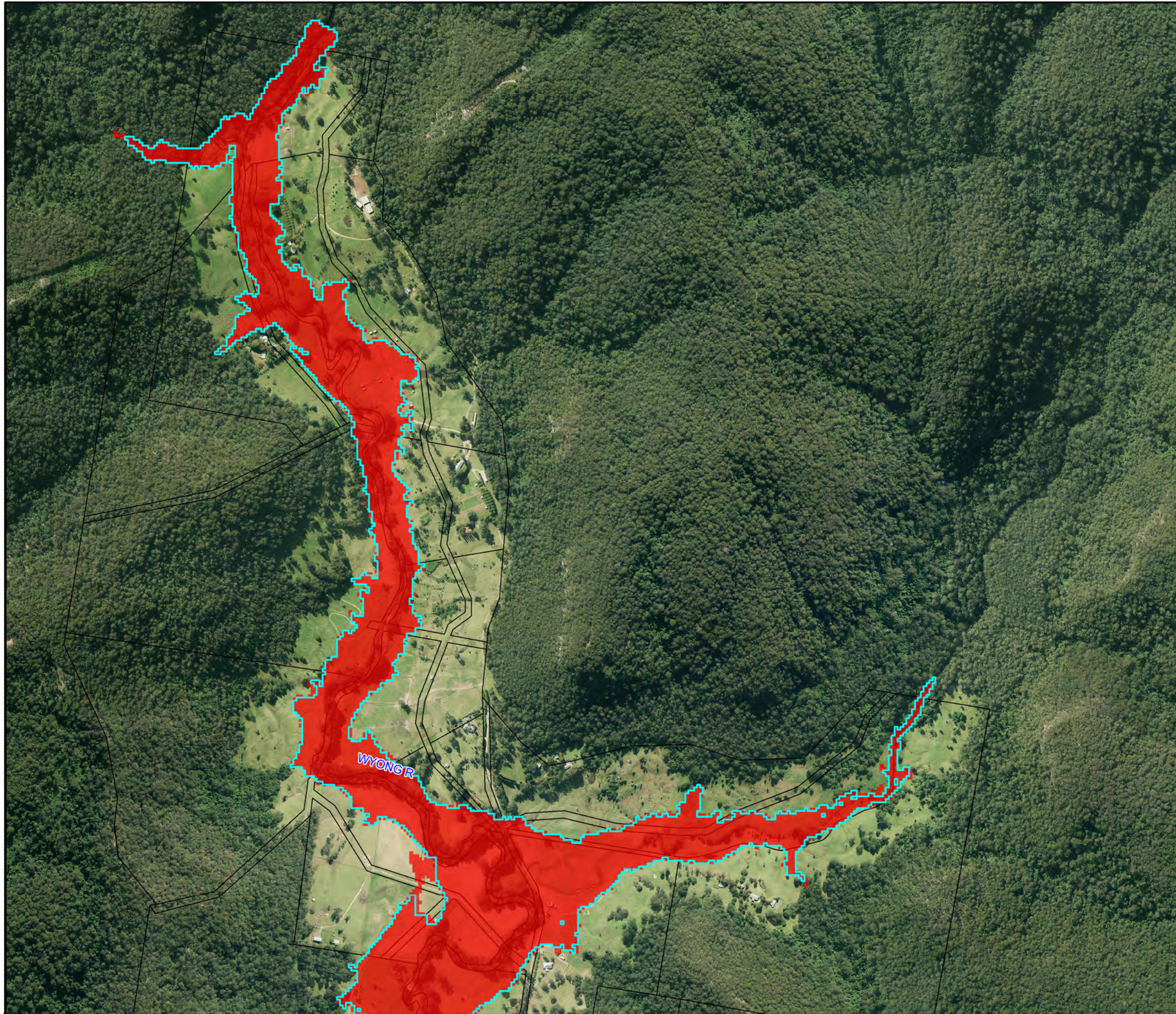


Figure A16.2:
Peak 1% AEP Flood Extent 15% increase in Rainfall & 0.4m Increase in Tuggerah Lake Level

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

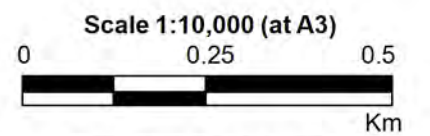




LEGEND

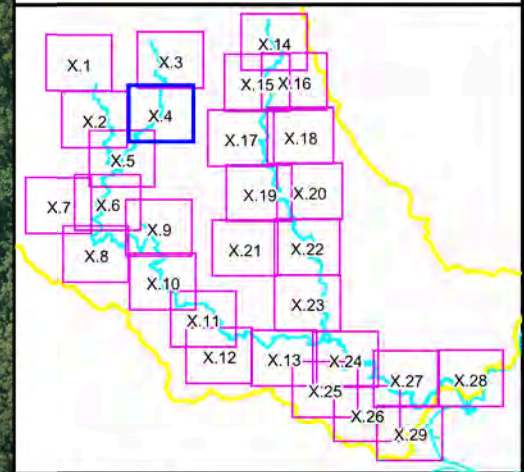
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014





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

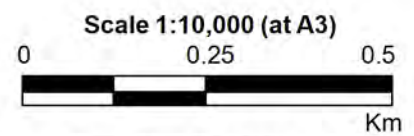
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LEGEND

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

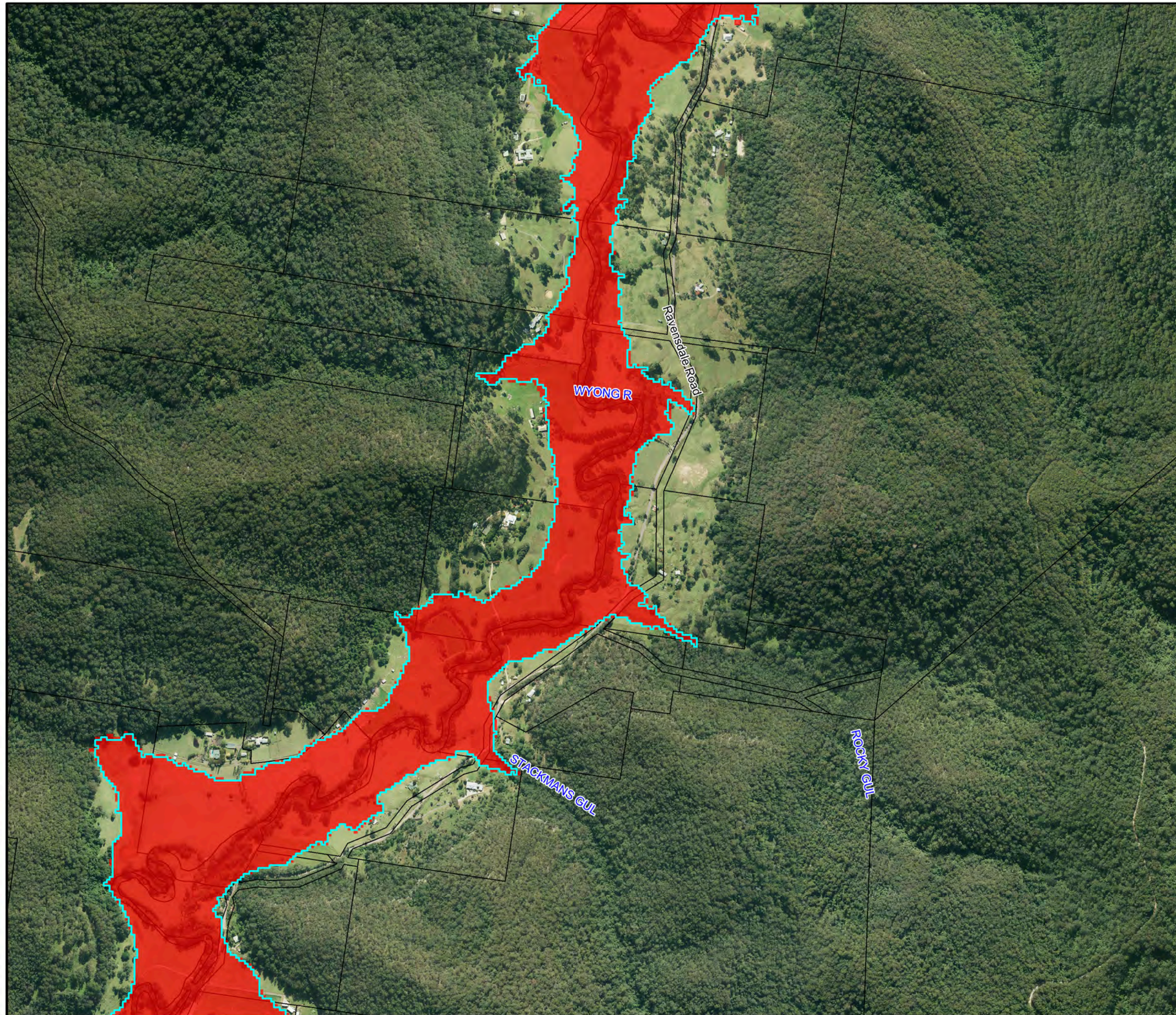
Notes:
Aerial photograph dated 2014

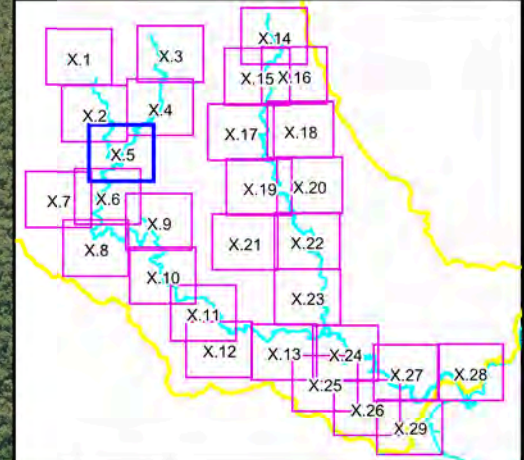


**Figure A16.4:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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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

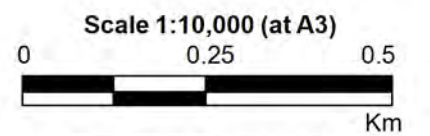
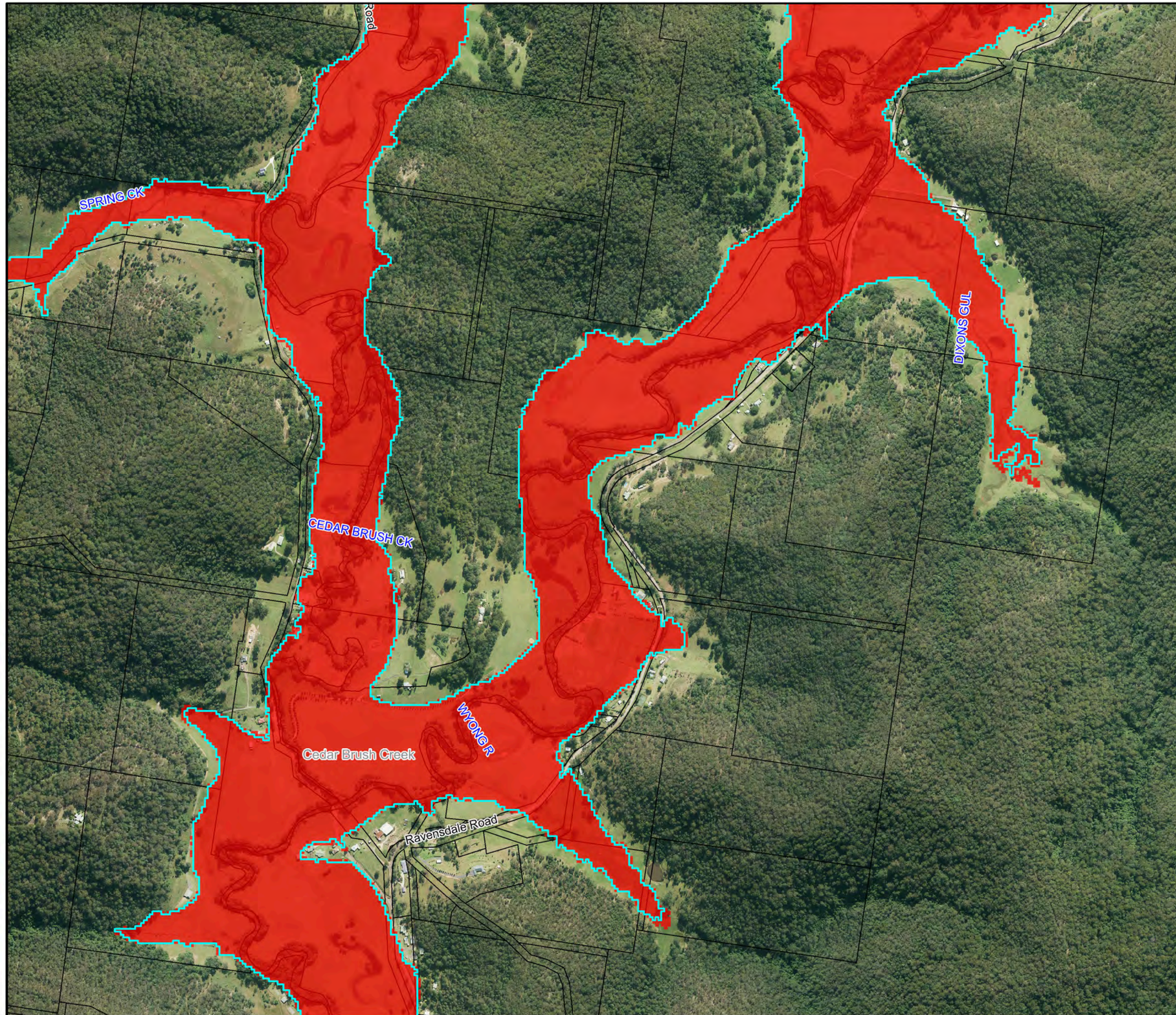
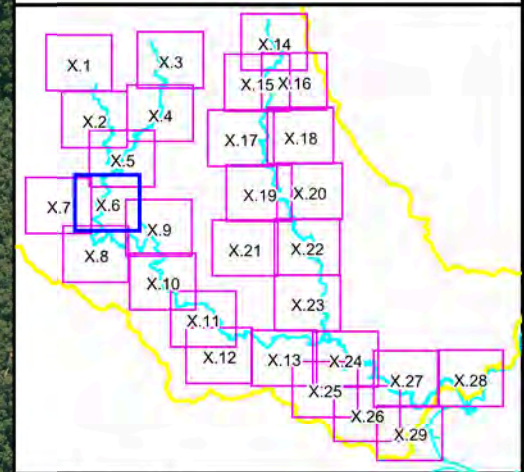


Figure A16.5:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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File Name: Figure A16.5 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

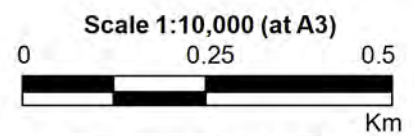
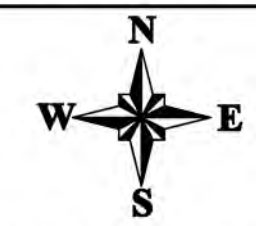
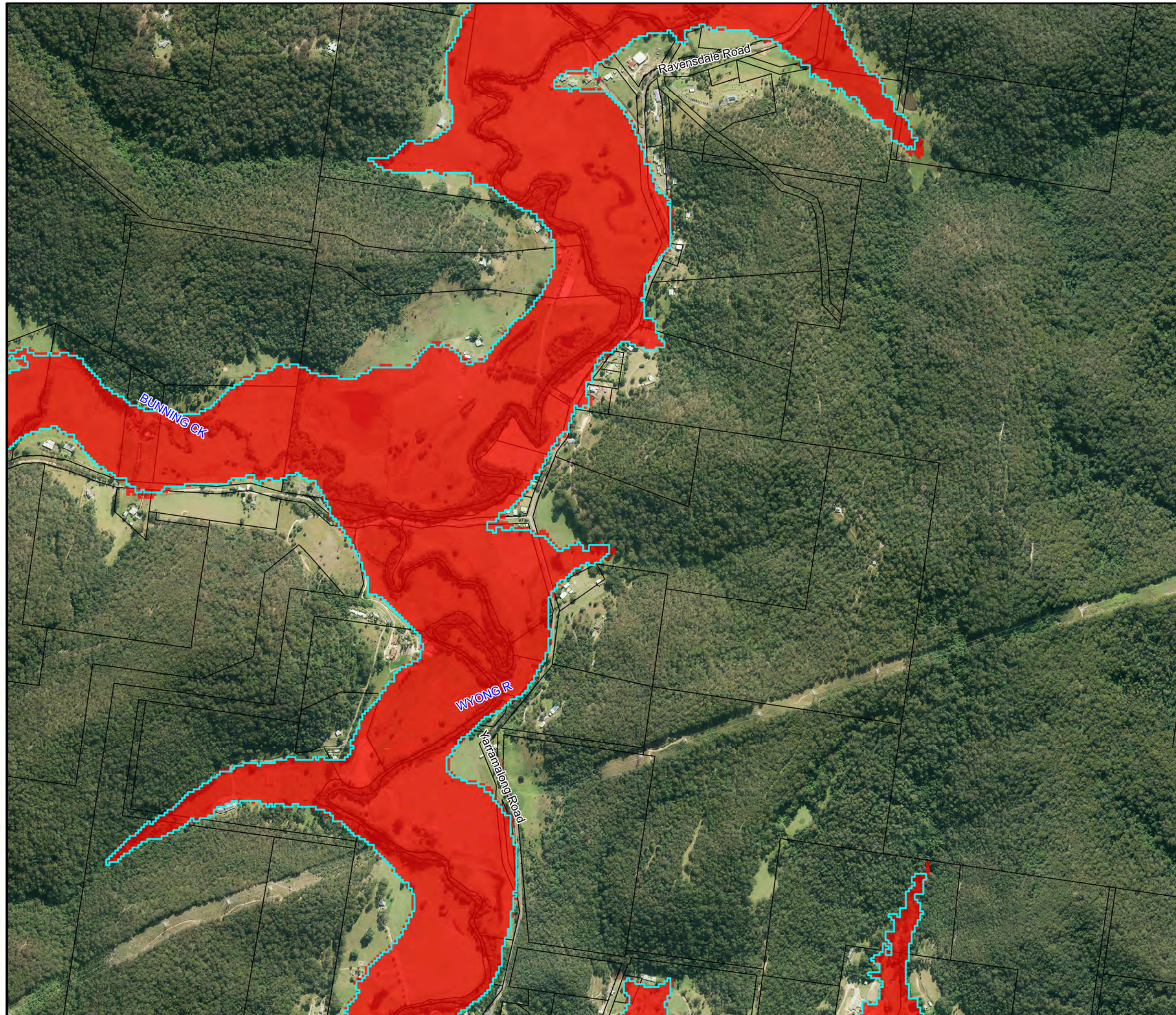
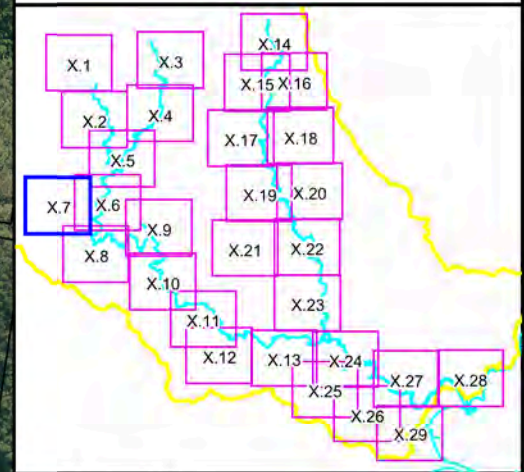


Figure A16.6:
Peak 1% AEP Flood Extent 15% increase in Rainfall & 0.4m Increase in Tuggerah Lake Level



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File Name: Figure A16.6 CC15 1%AEP.wor

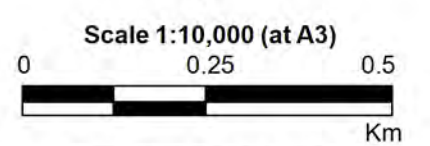





LEGEND

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

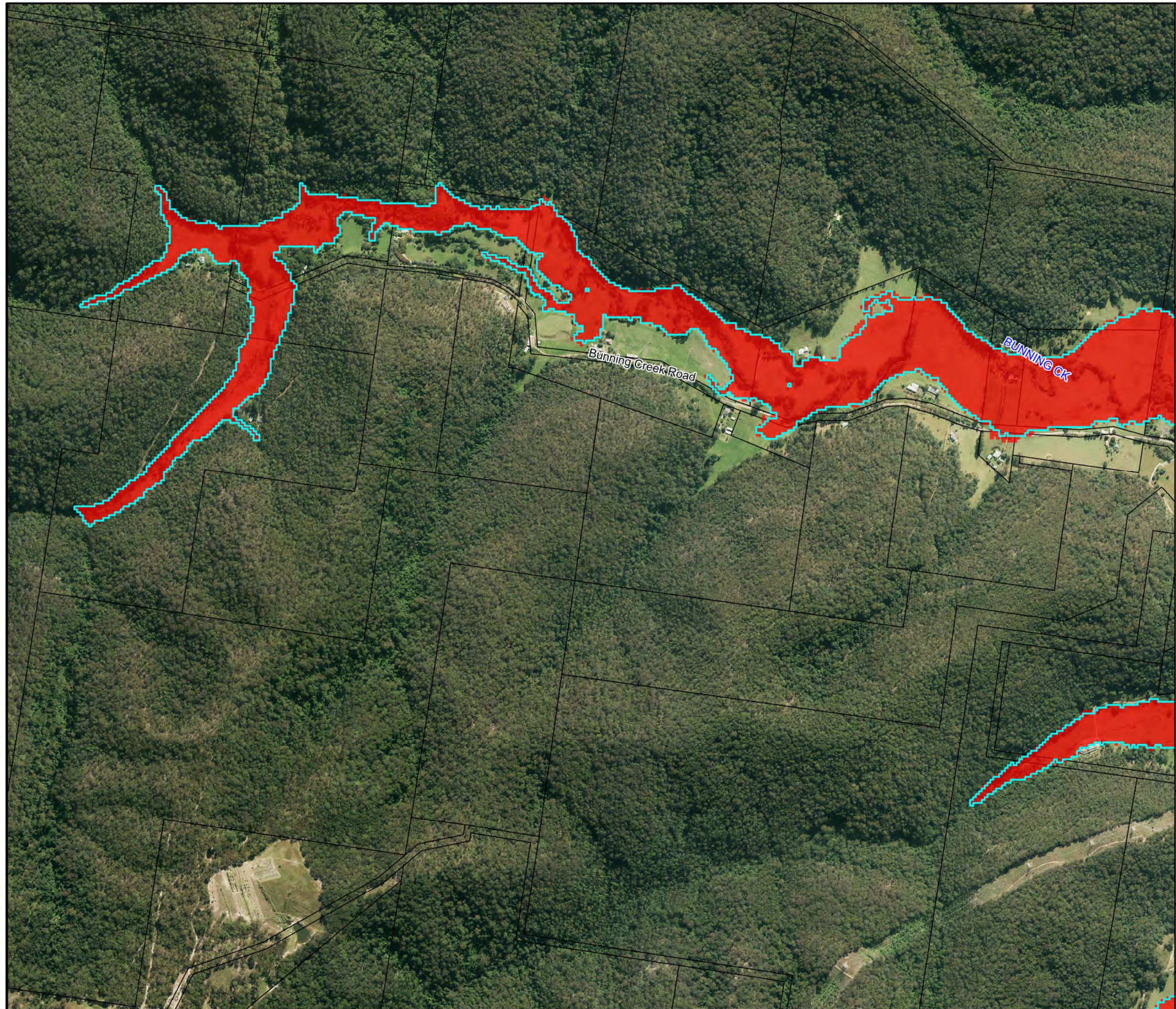
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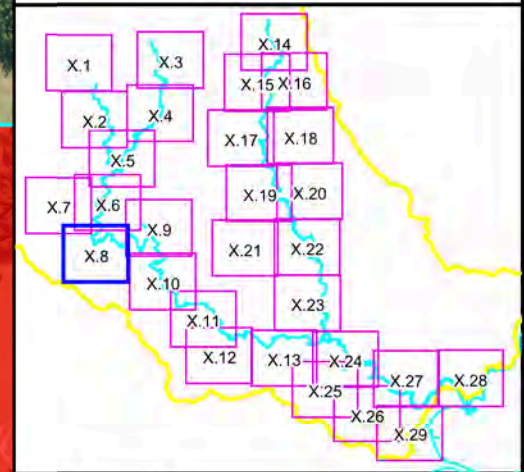


**Figure A16.7:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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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

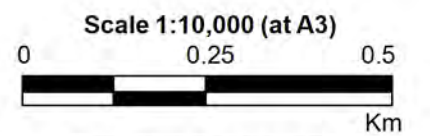
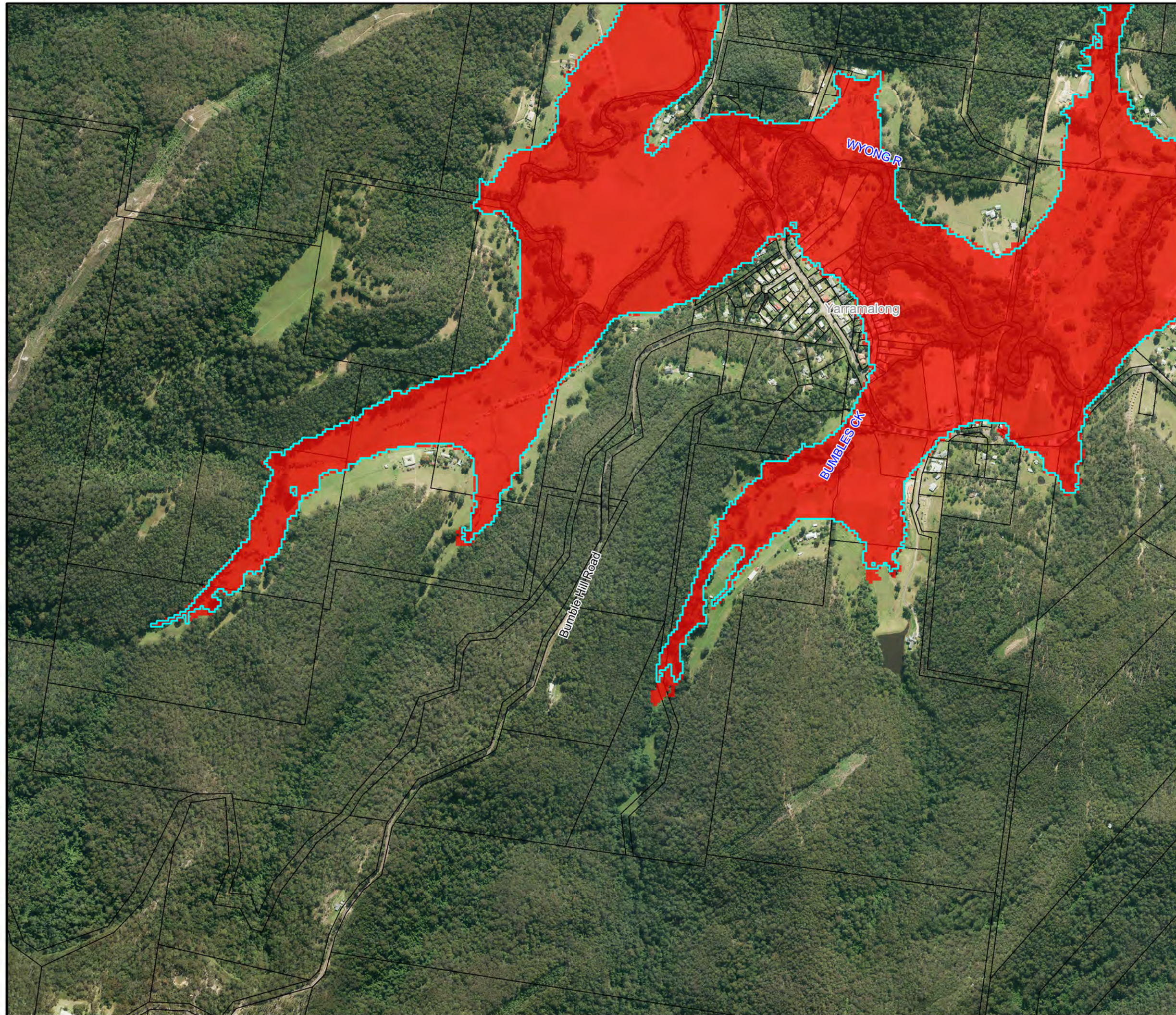
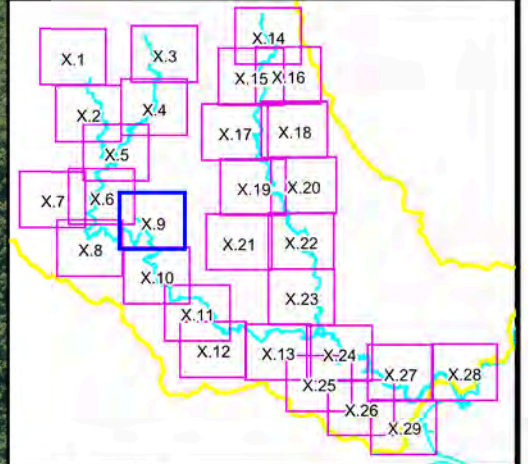
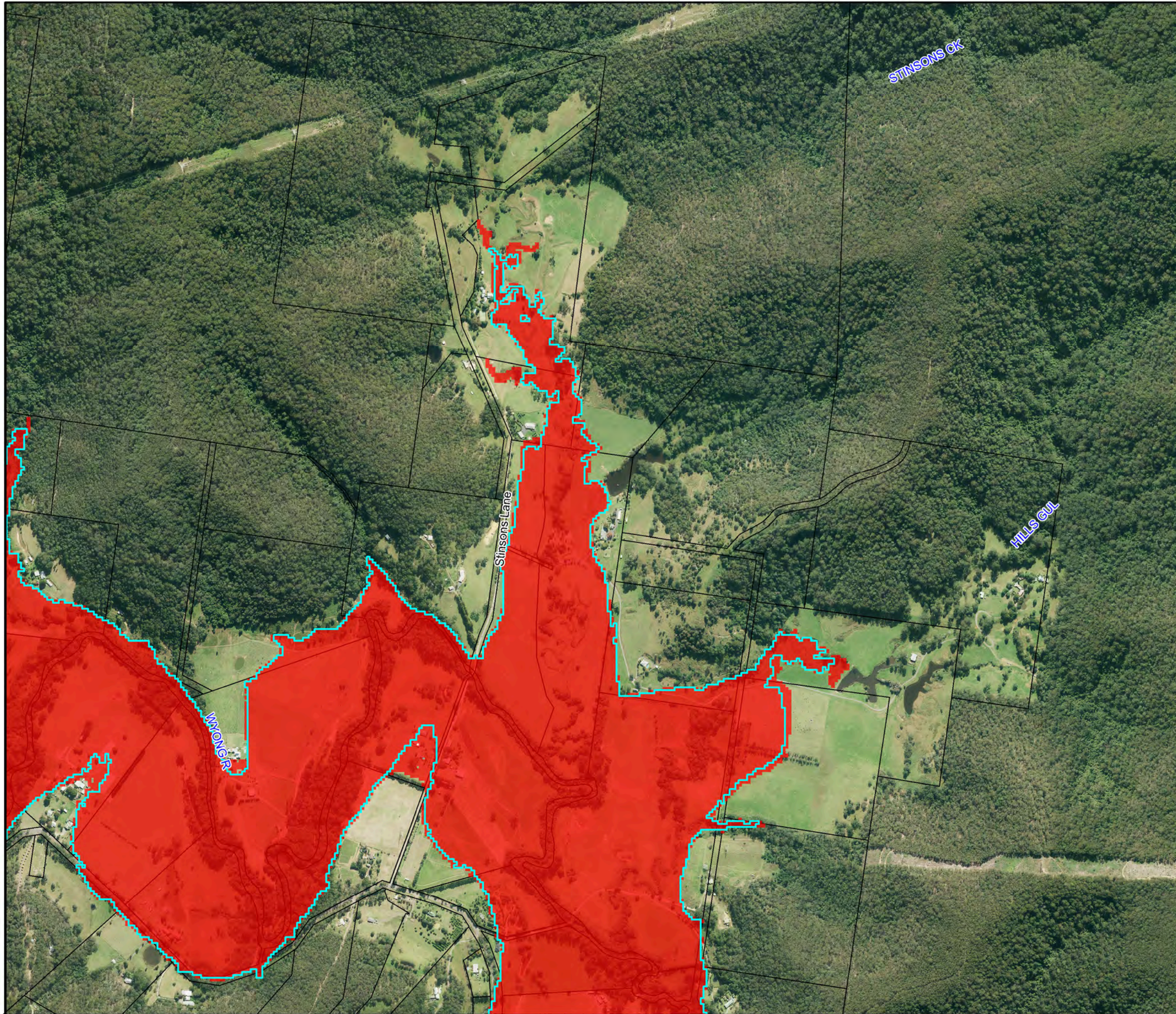


Figure A16.8:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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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



Scale 1:10,000 (at A3)

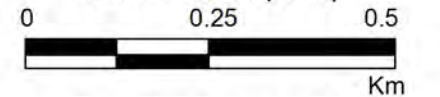
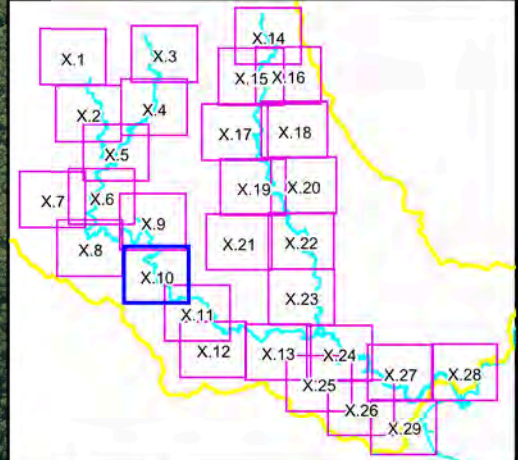
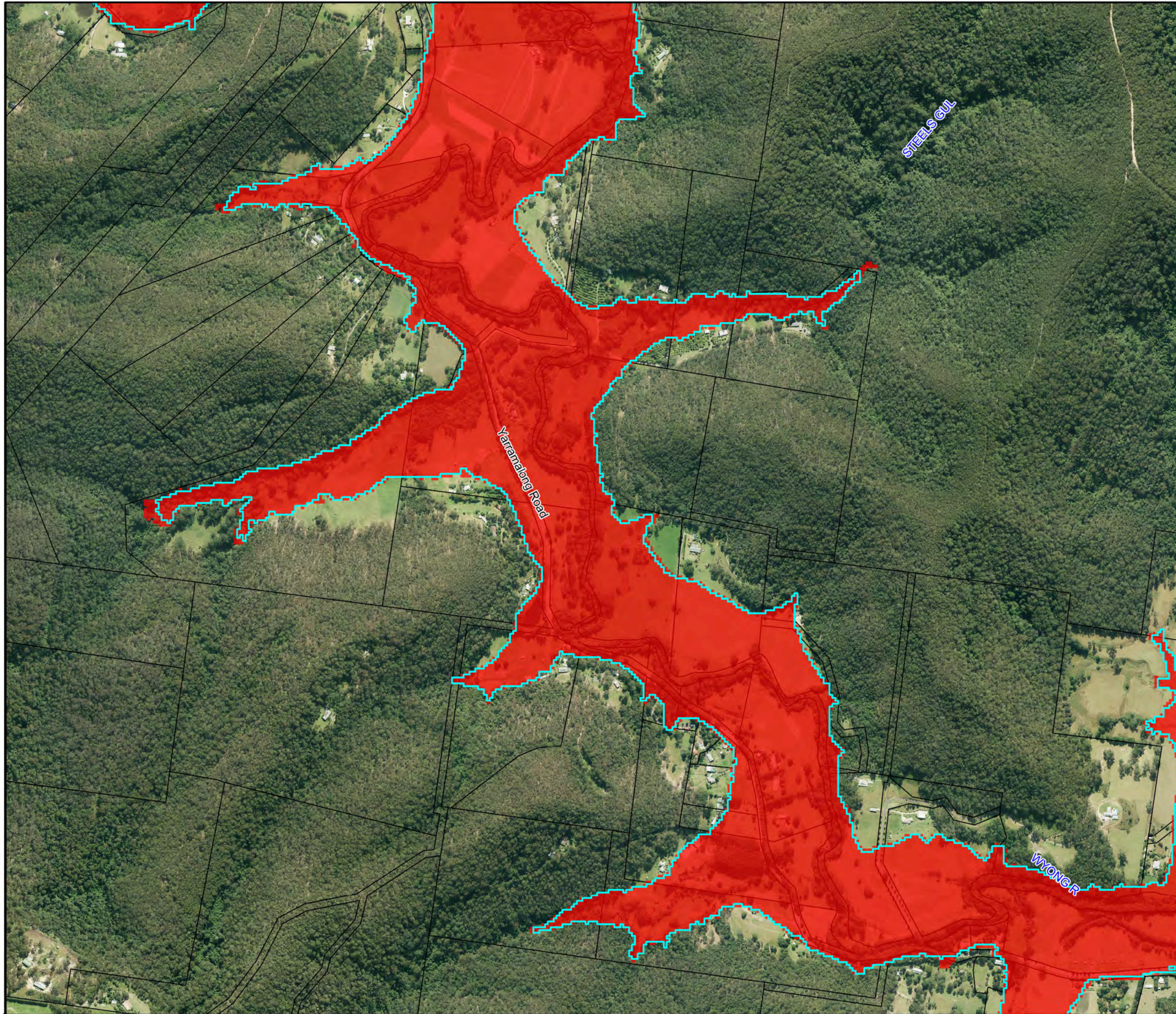


Figure A16.9:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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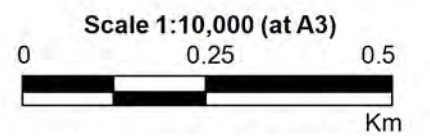
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LEGEND

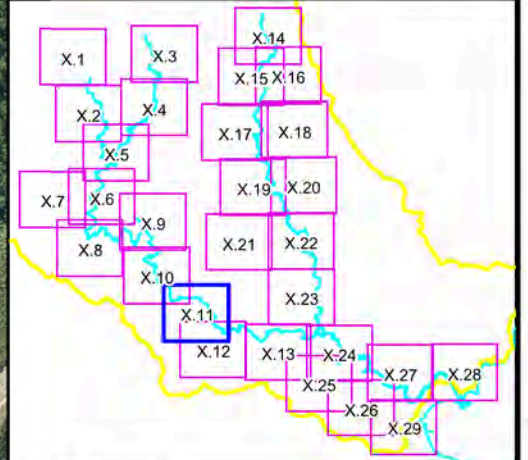
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



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

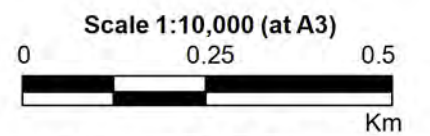
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LEGEND

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

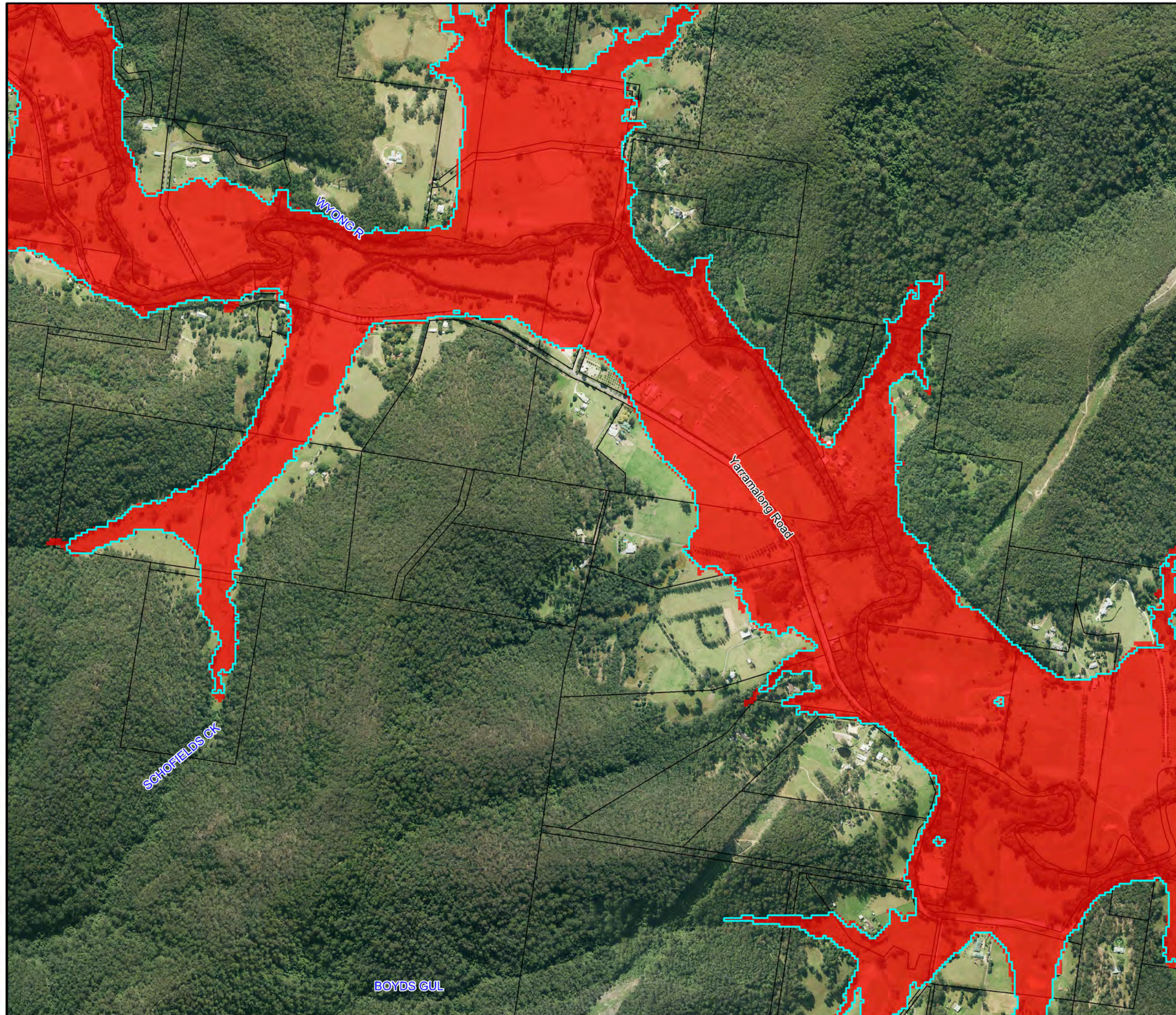
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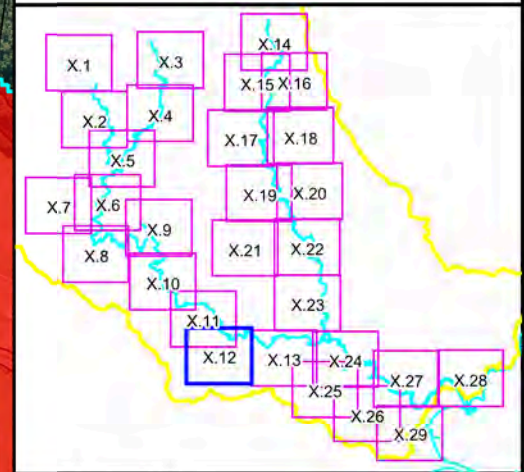


**Figure A16.11:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**



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

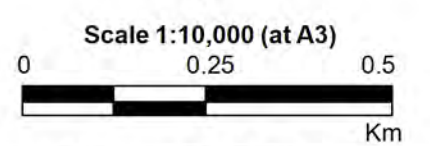





LEGEND

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

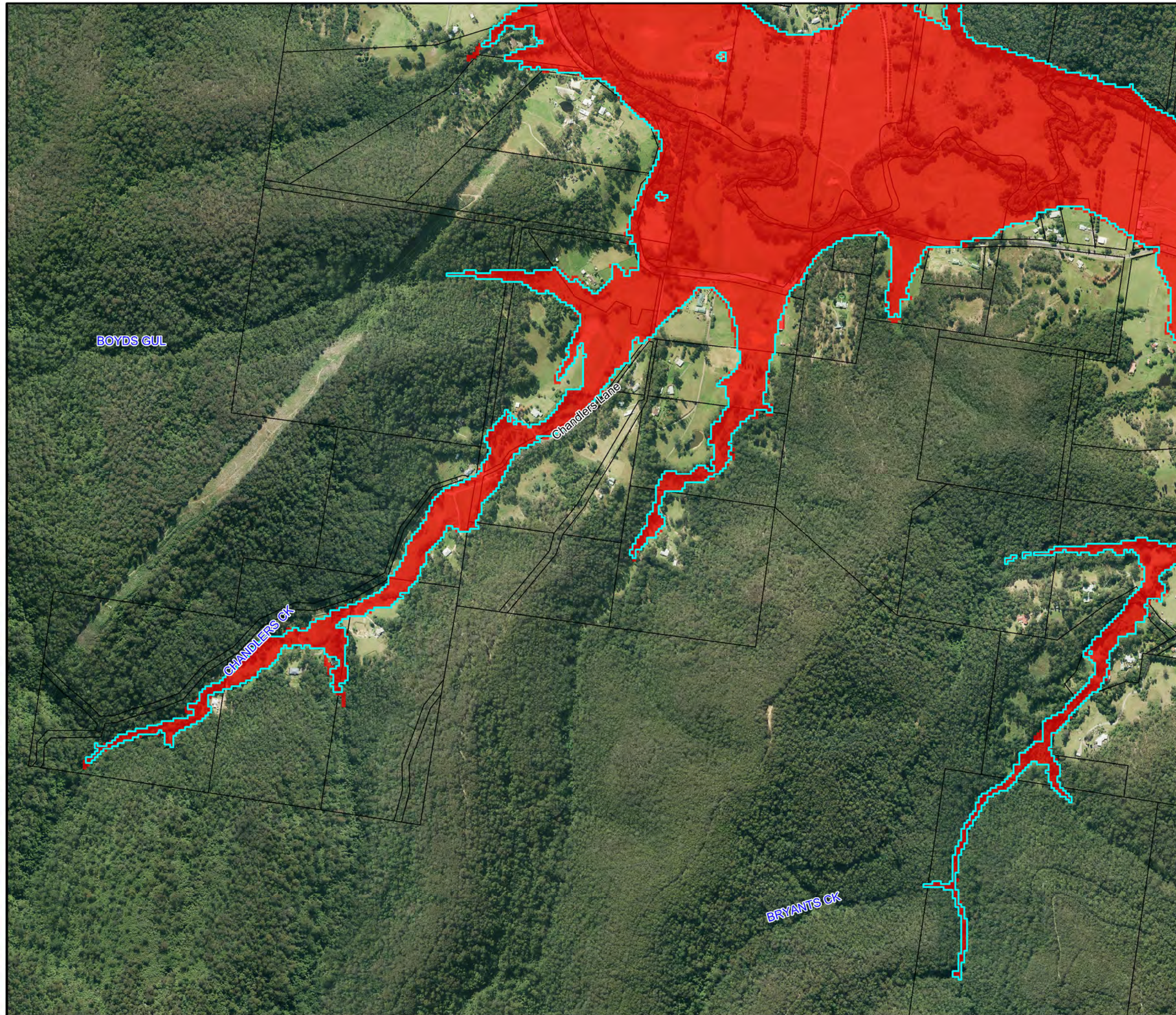
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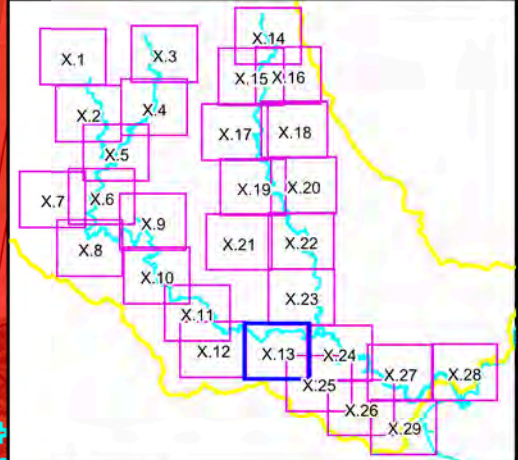
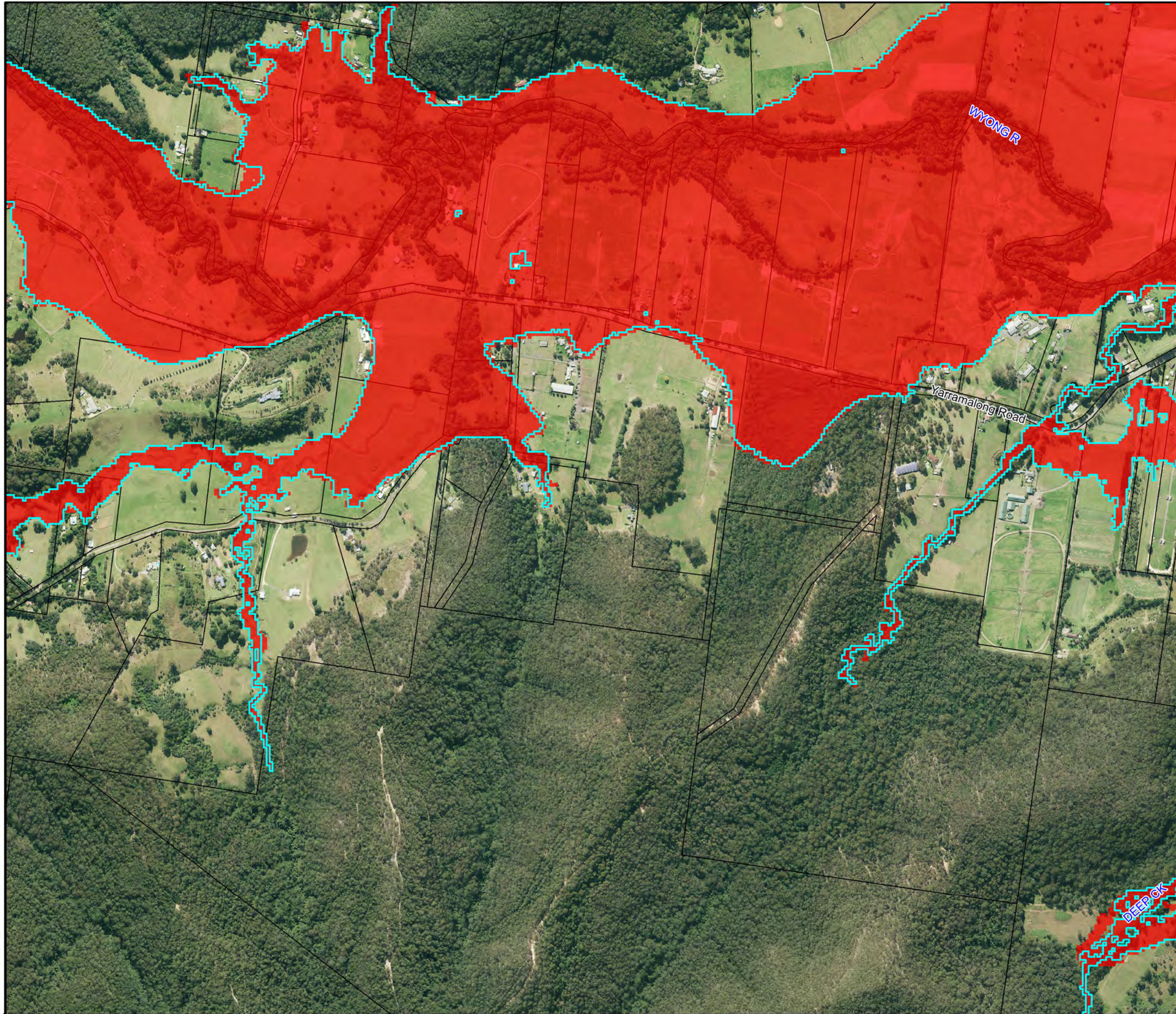


**Figure A16.12:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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

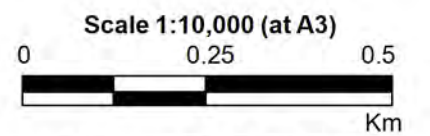




LEGEND

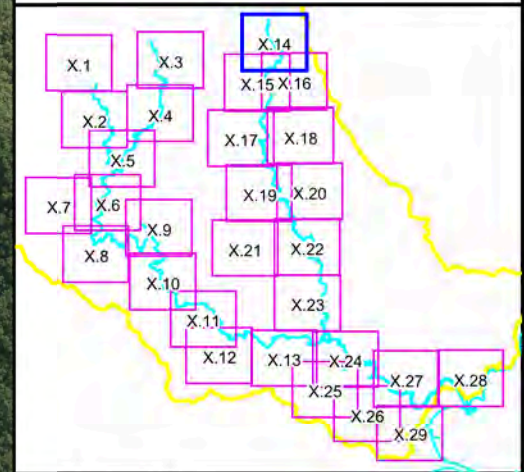
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

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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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

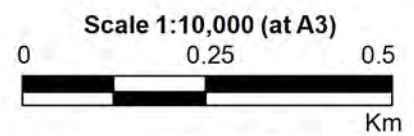
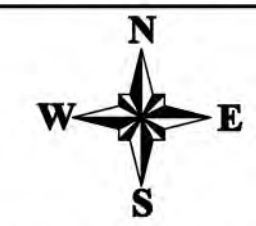
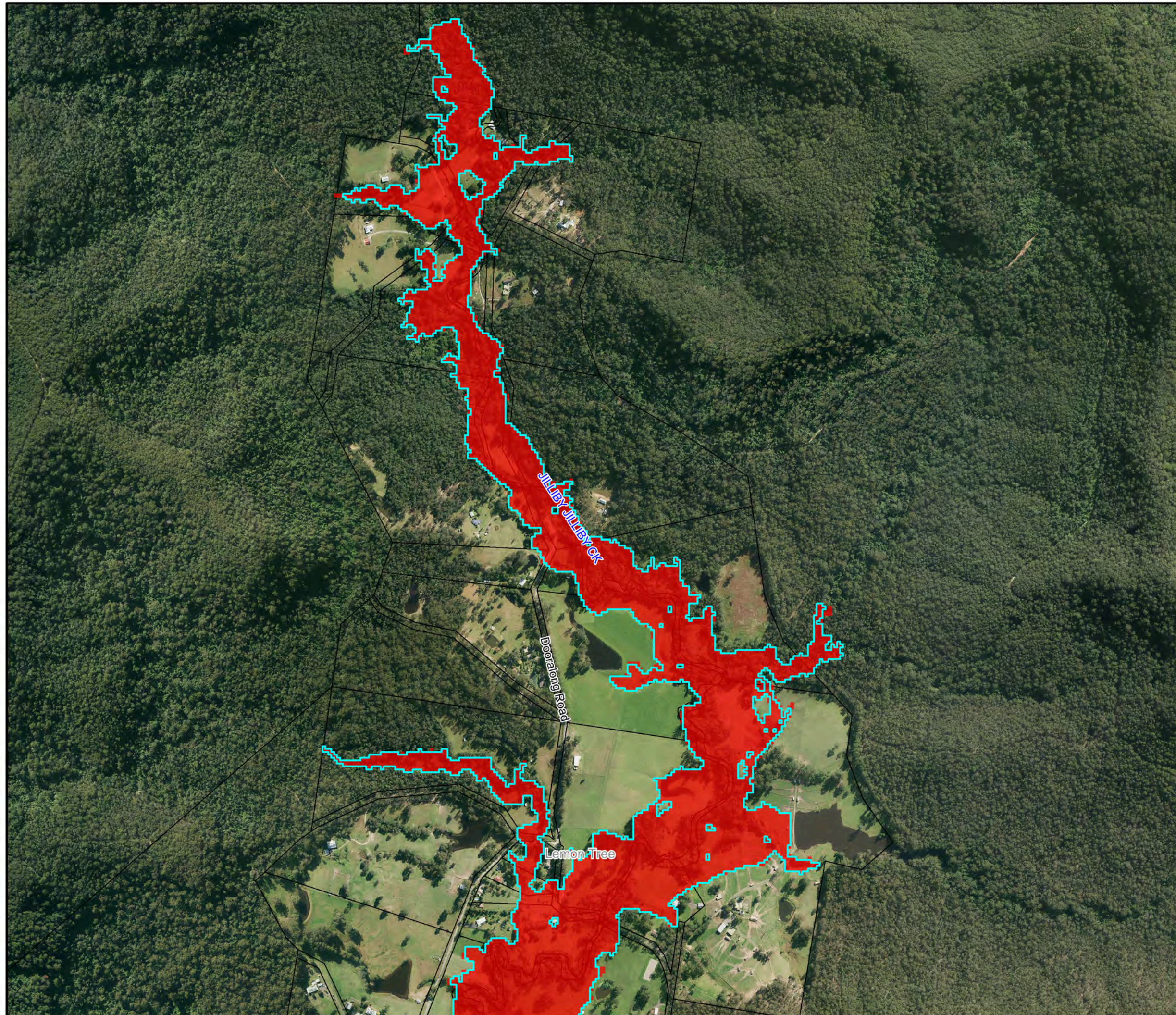
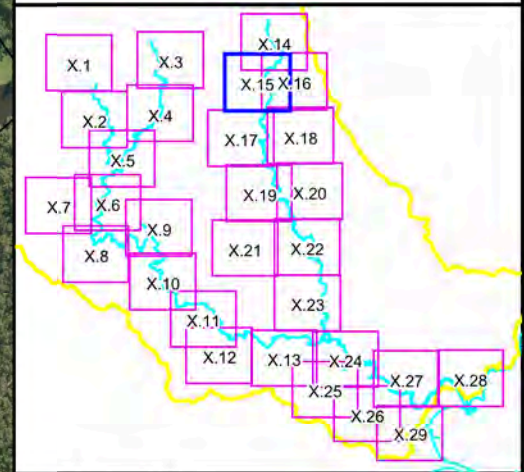


Figure A16.14:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level



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

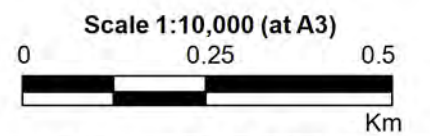





LEGEND

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

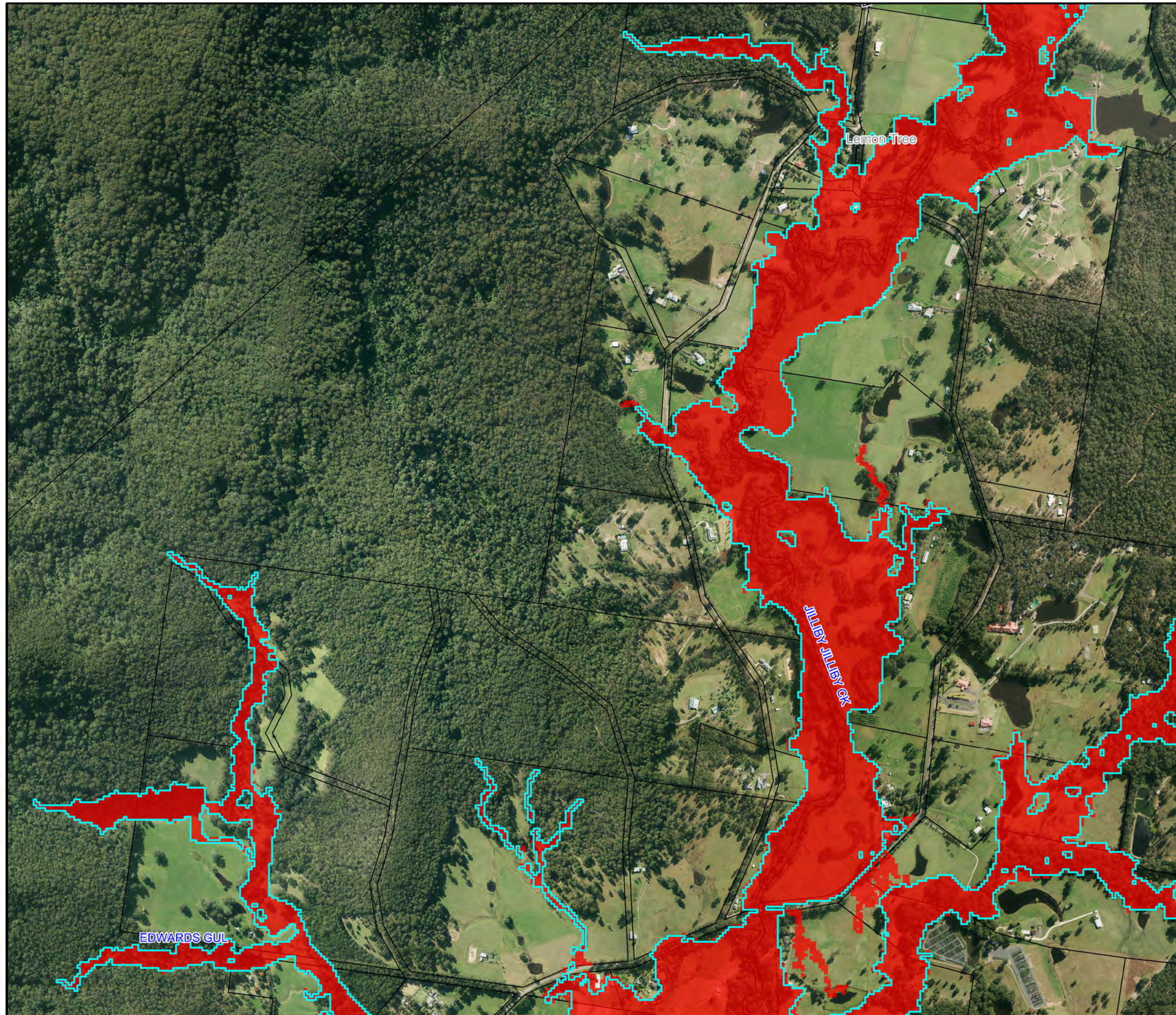
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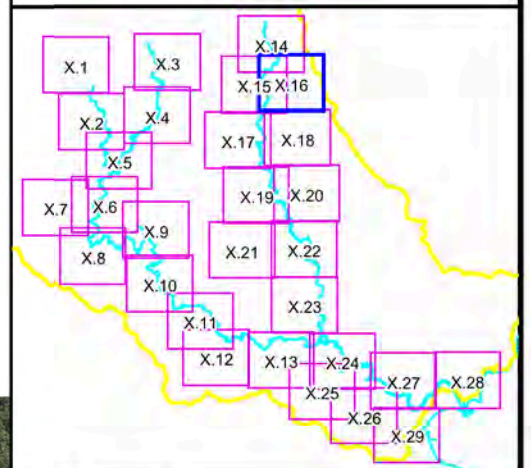
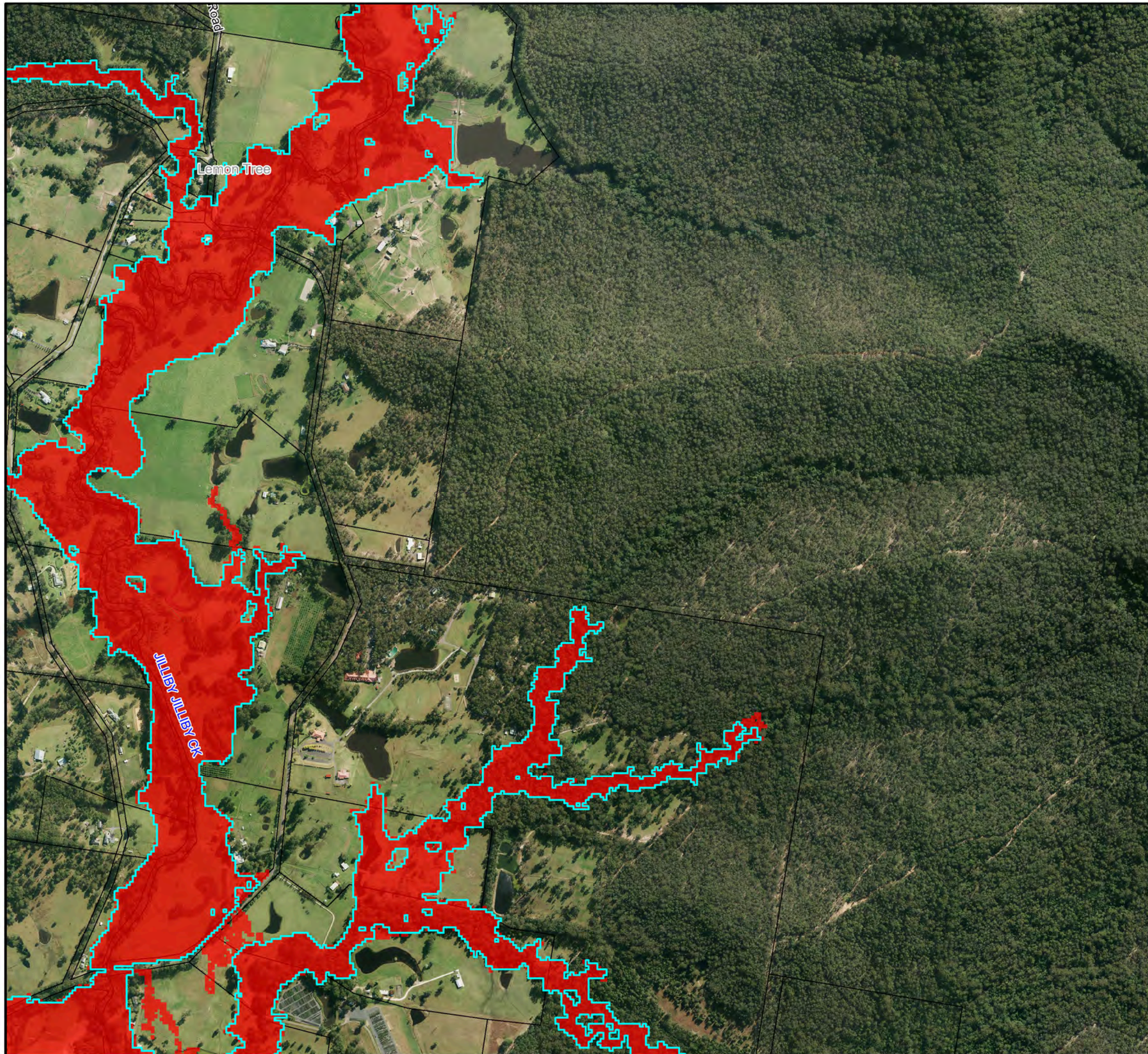


**Figure A16.15:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
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LEGEND

- 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

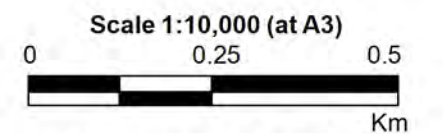
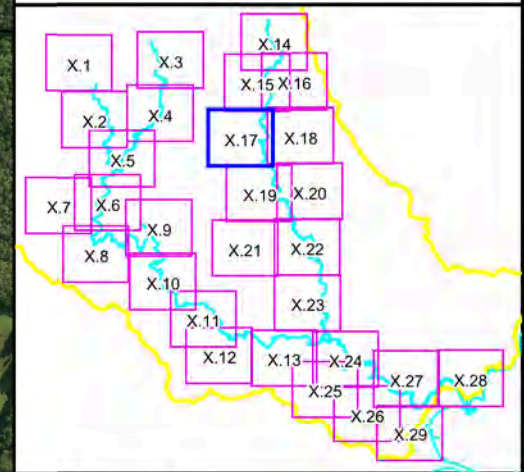


Figure A16.16:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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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

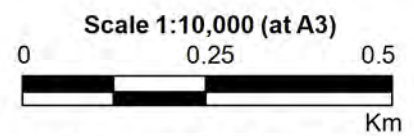
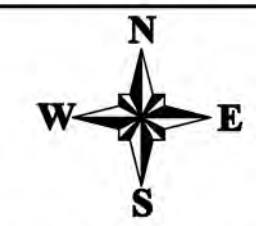
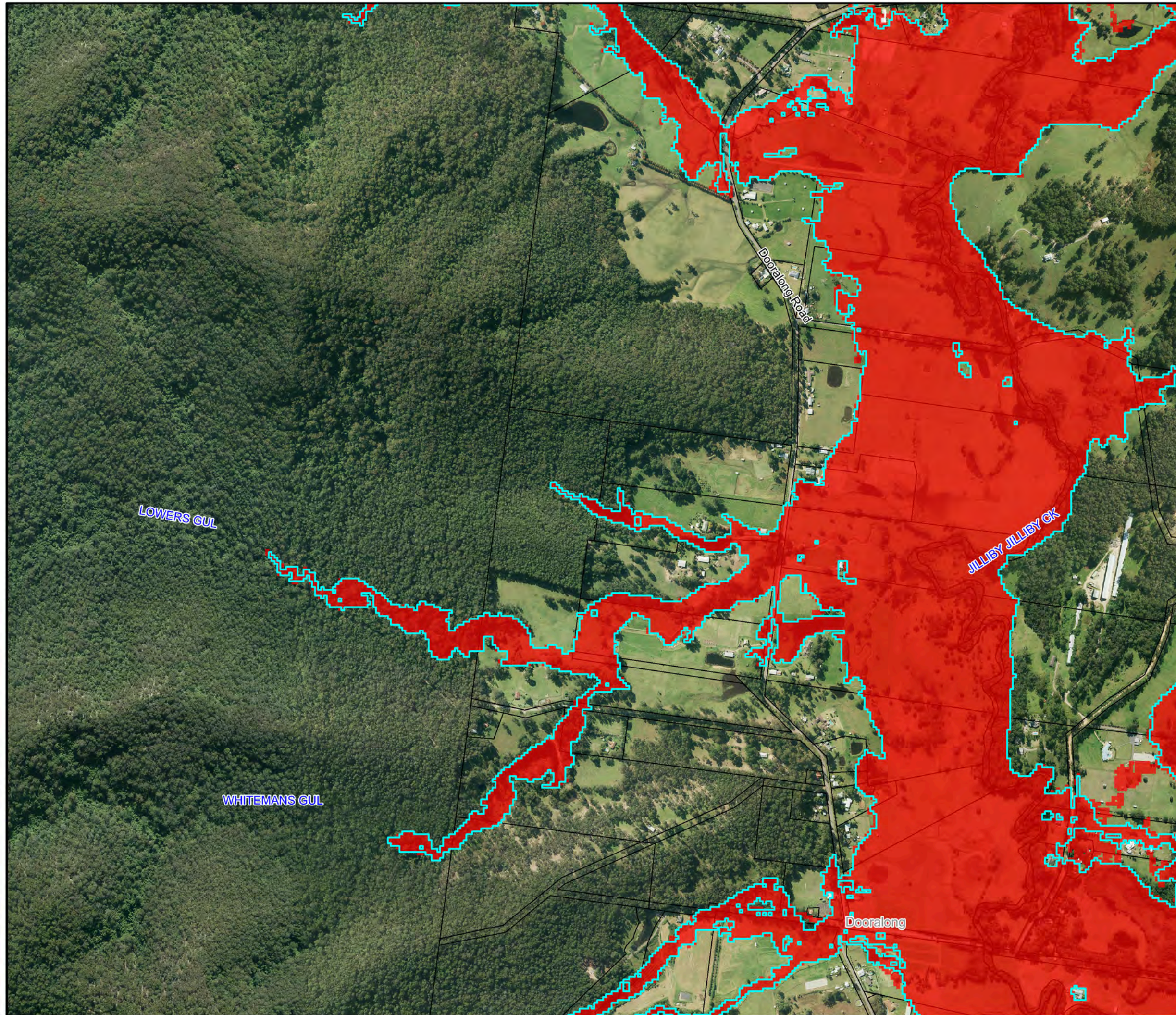
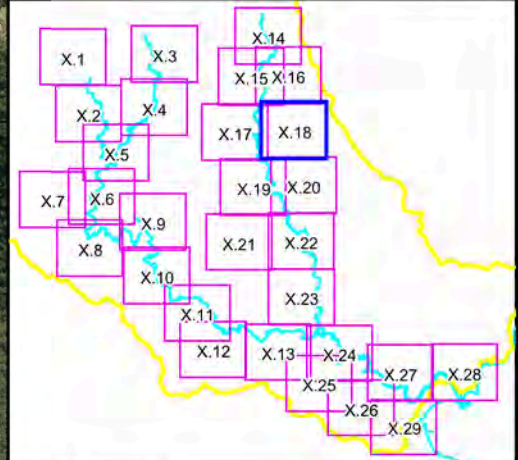
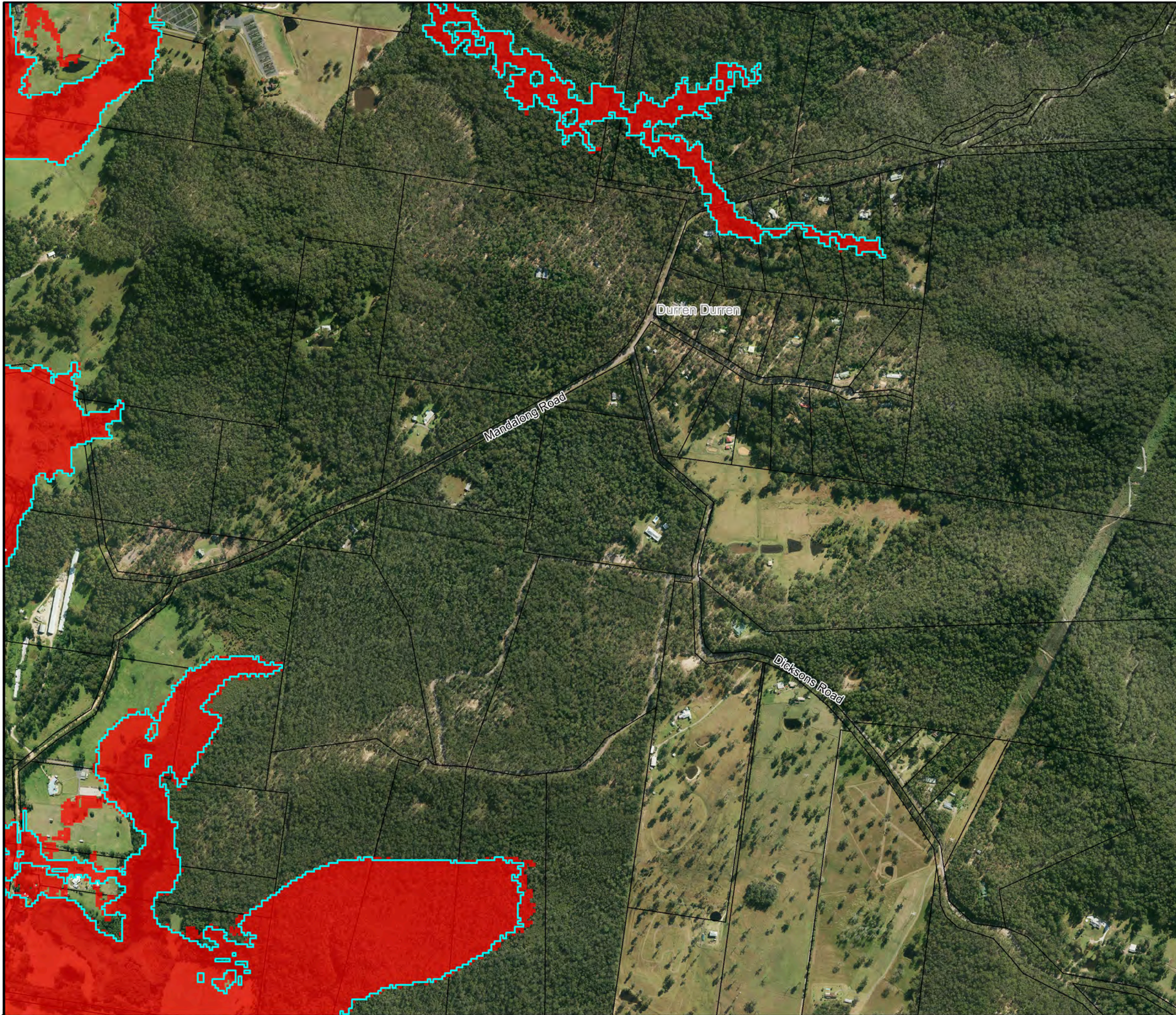


Figure A16.17:
Peak 1% AEP Flood Extent 15% increase in Rainfall & 0.4m Increase in Tuggerah Lake Level



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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

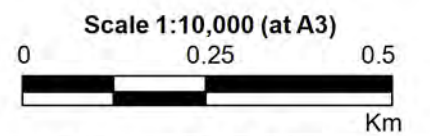

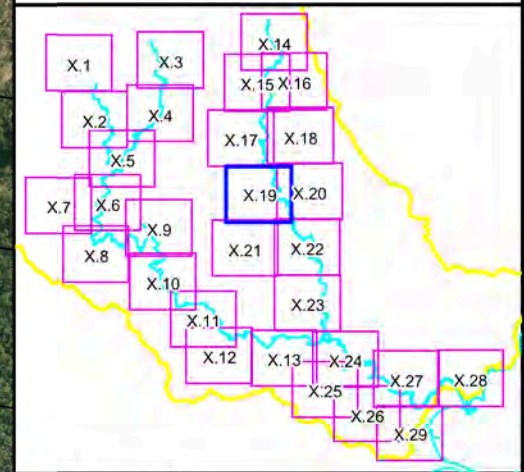


Figure A16.18:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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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

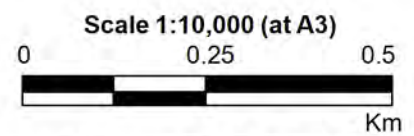
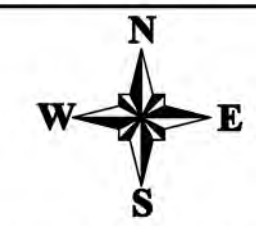

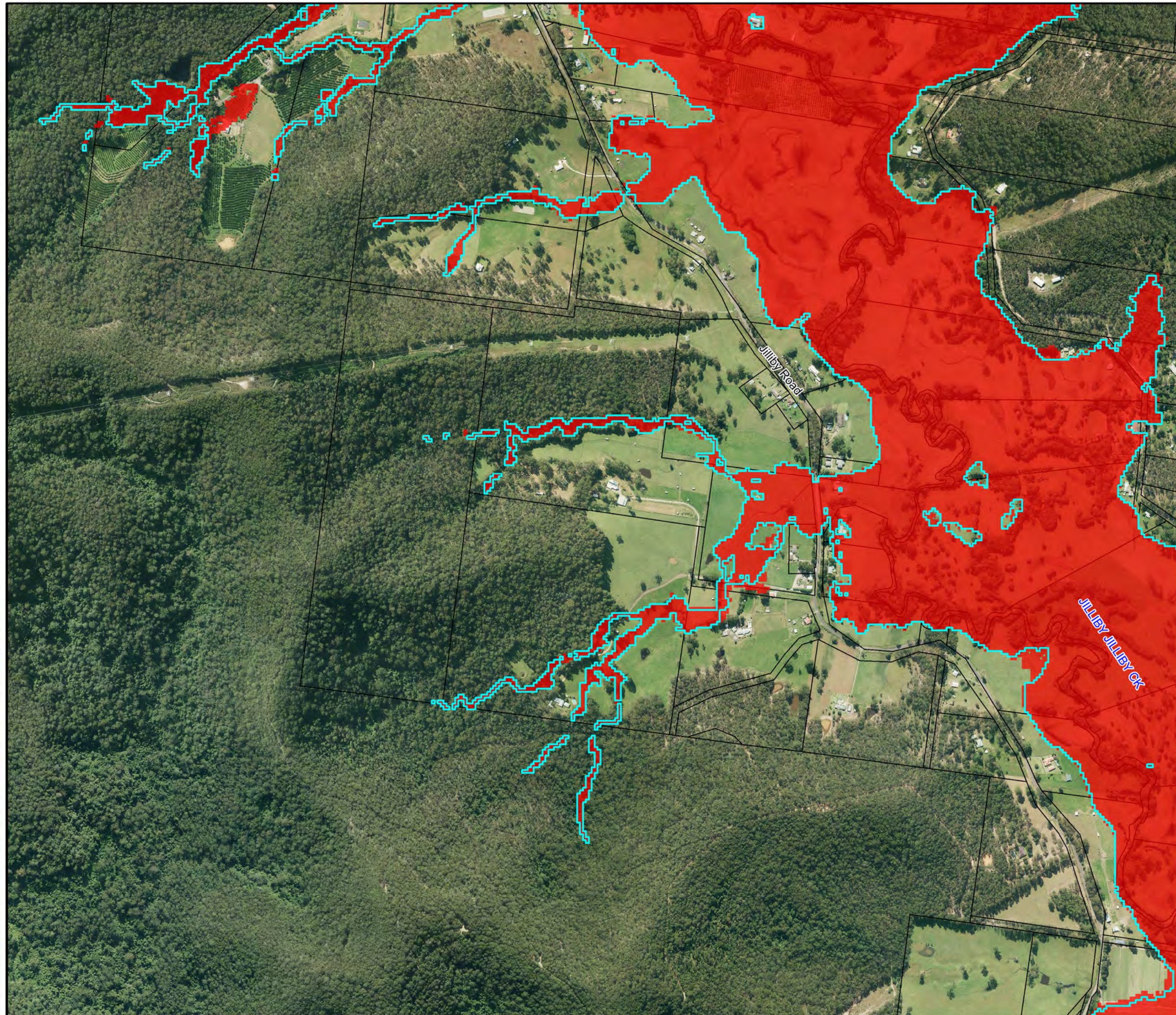
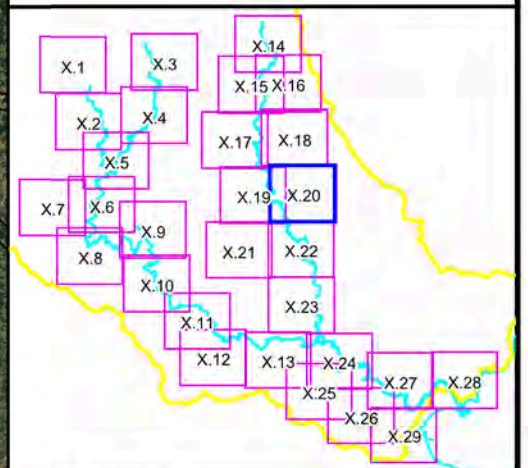


Figure A16.19:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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

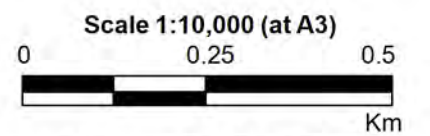




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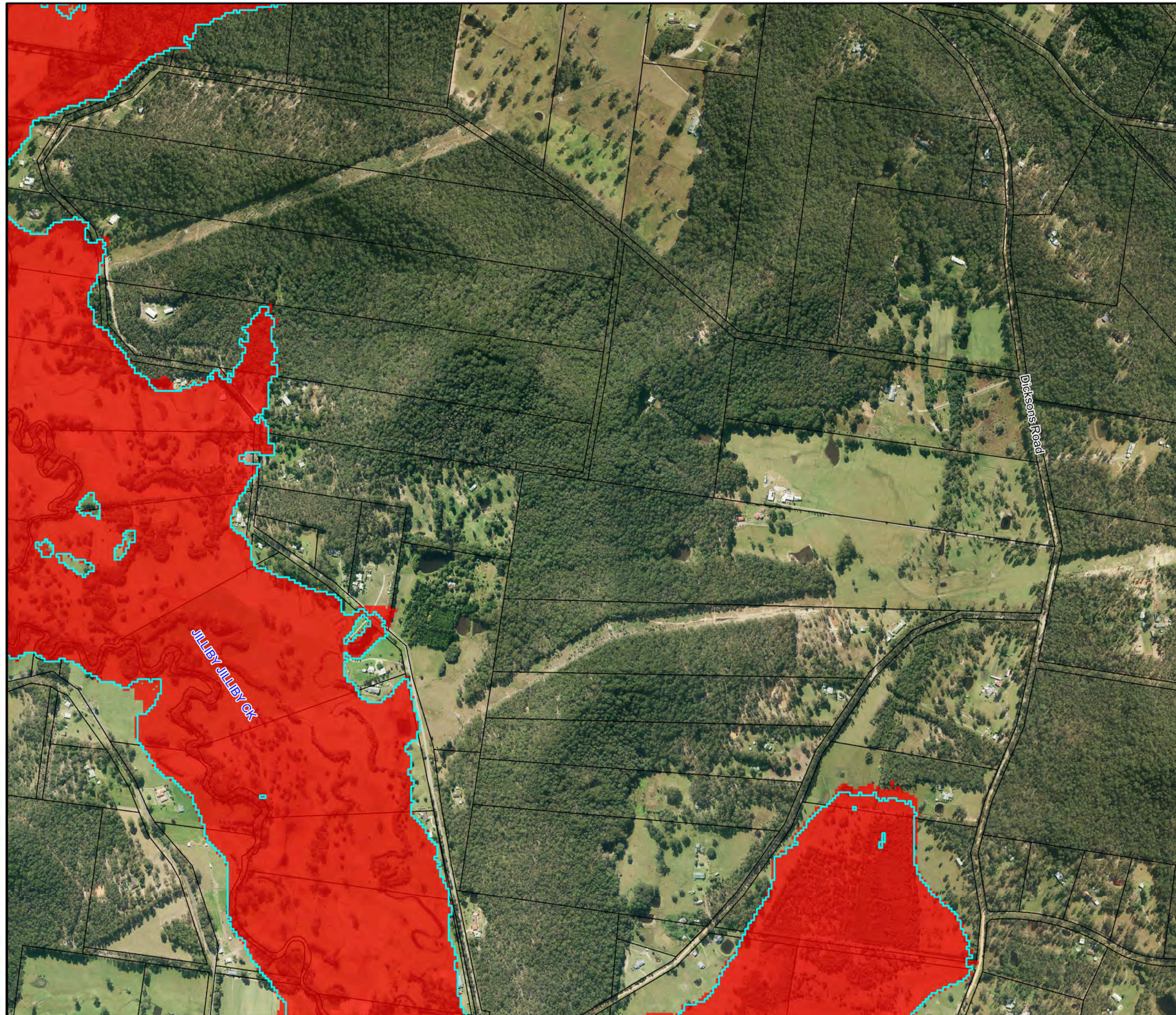
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

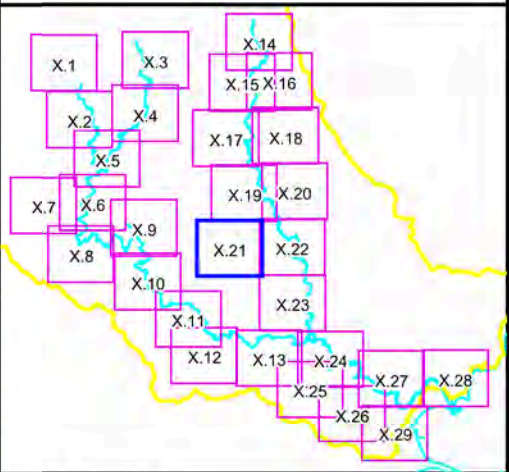
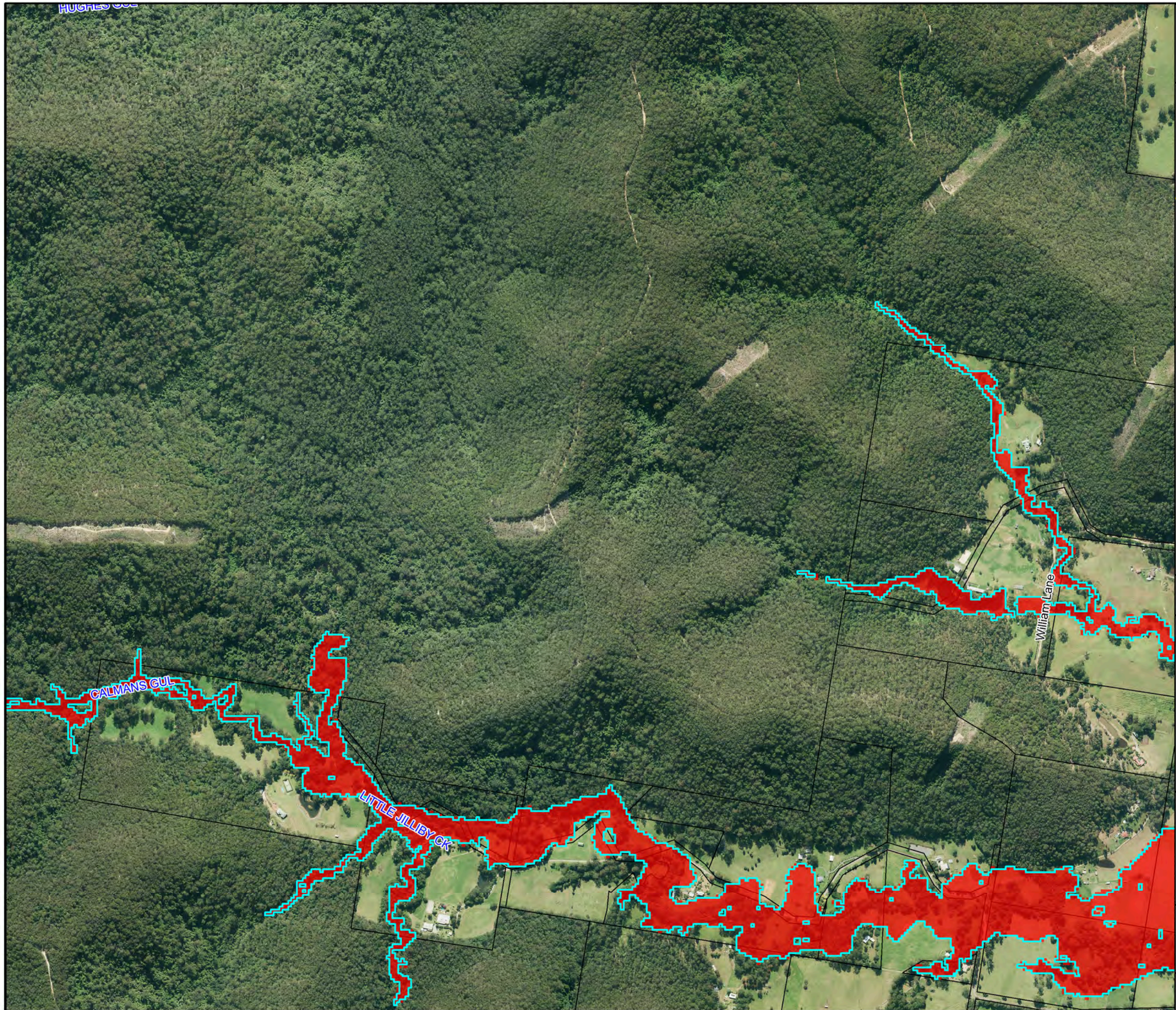
Notes:
Aerial photograph dated 2014



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

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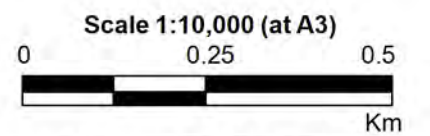




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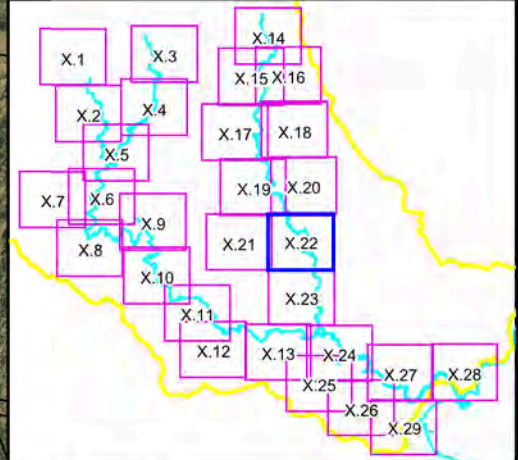
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



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

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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

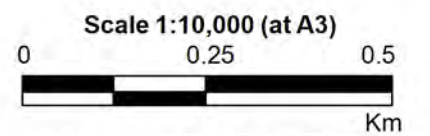
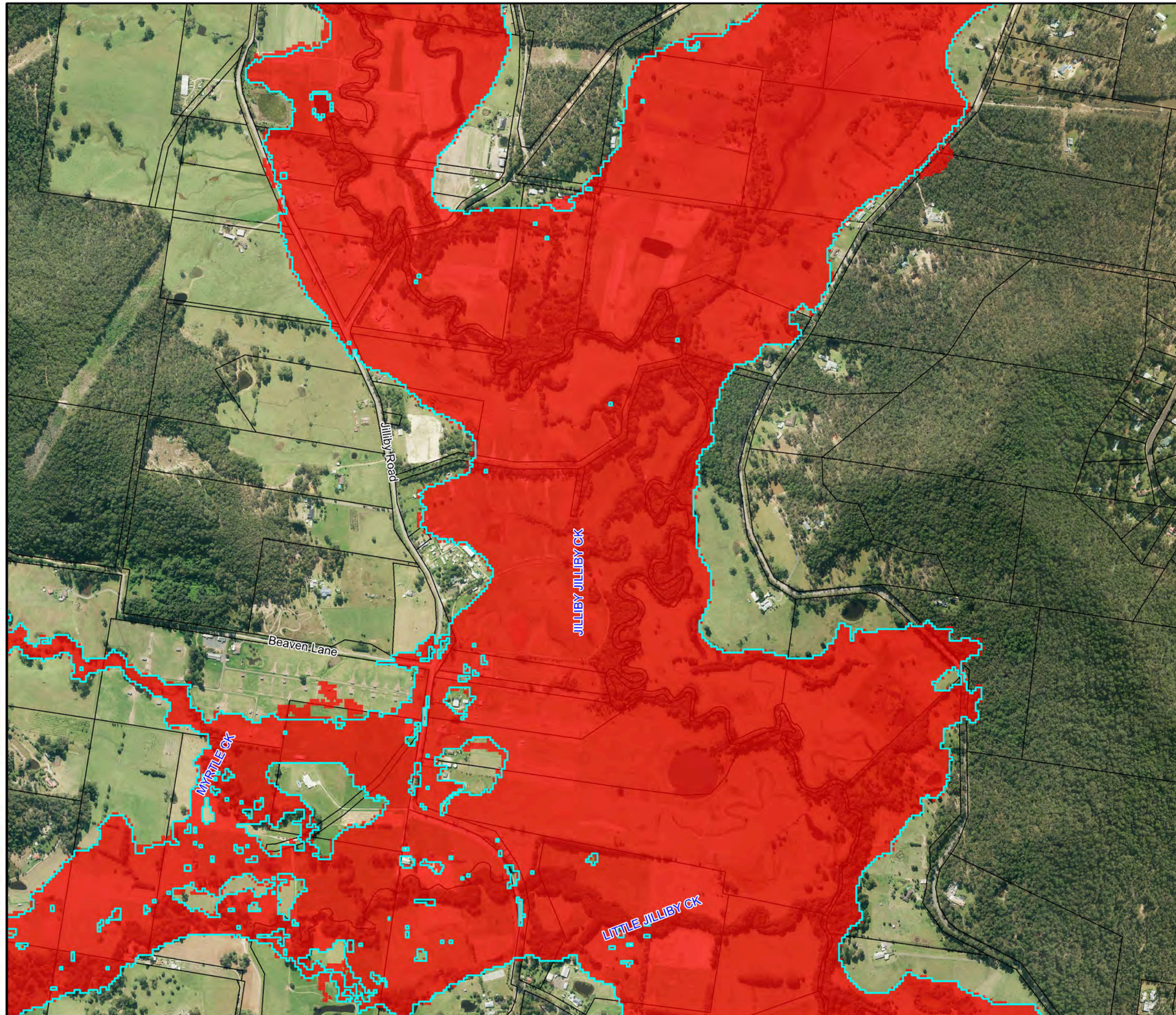
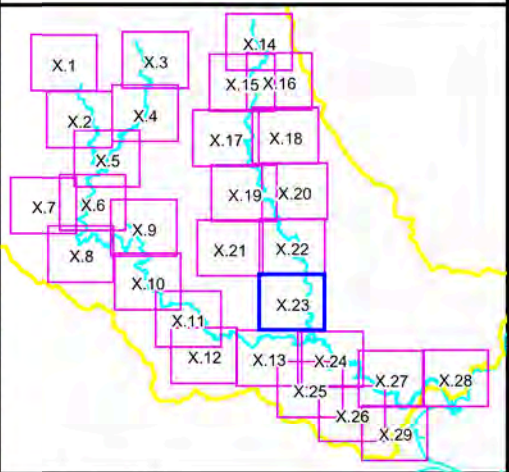


Figure A16.22:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level

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

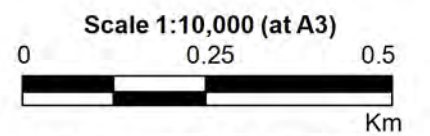
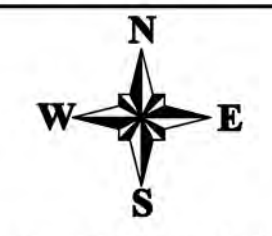




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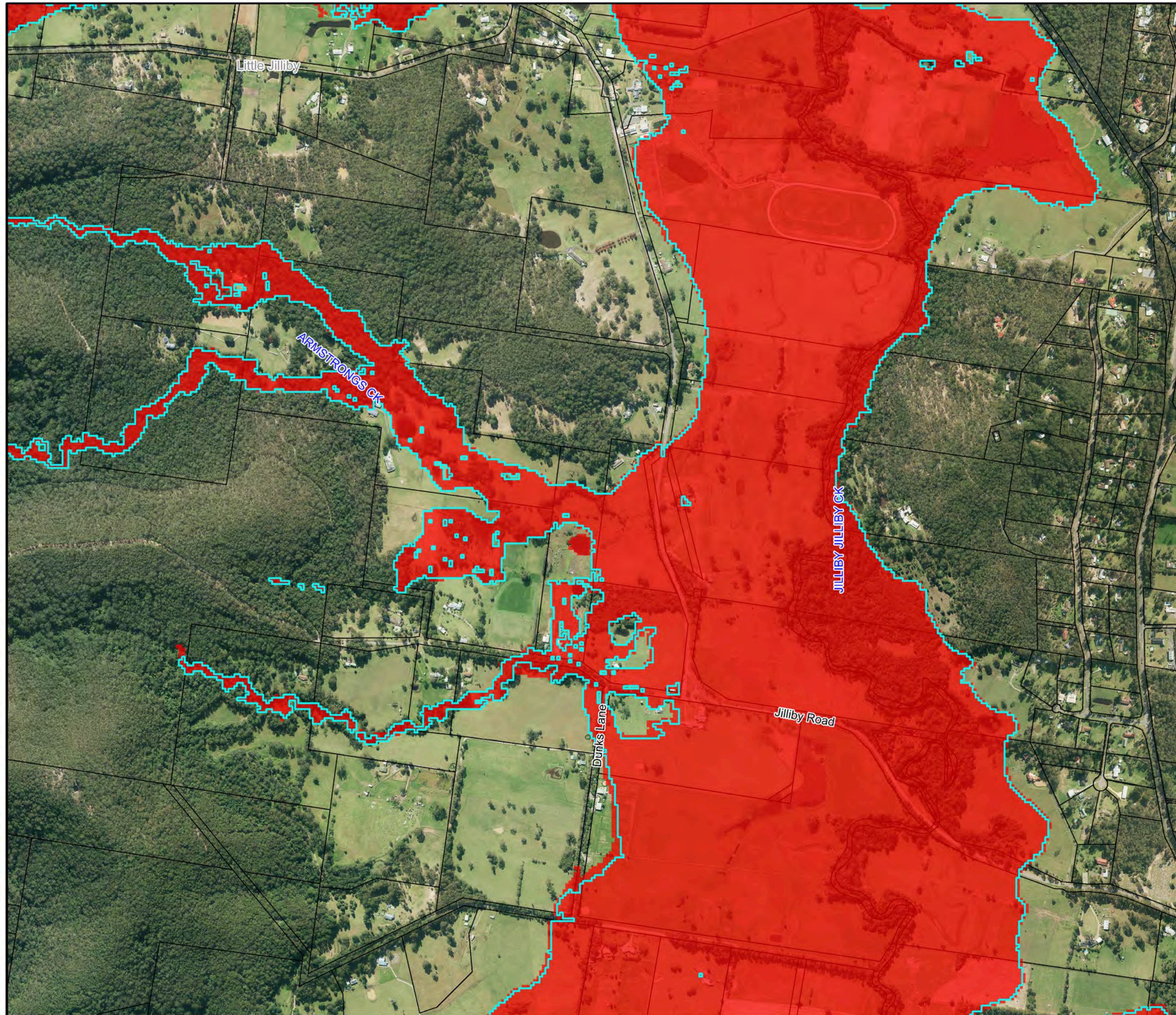
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

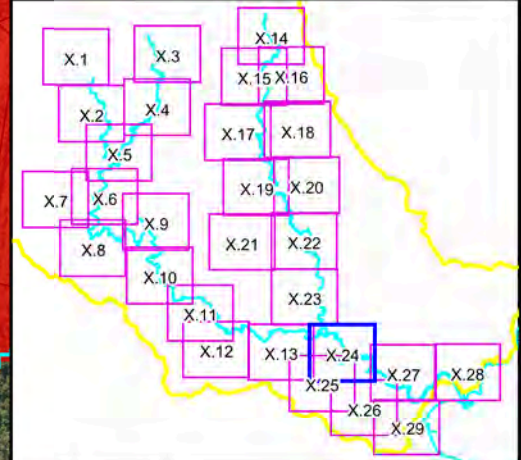
Notes:
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**Figure A16.23:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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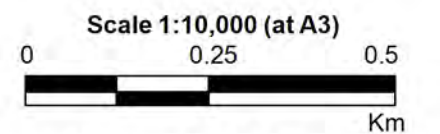




LEGEND

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

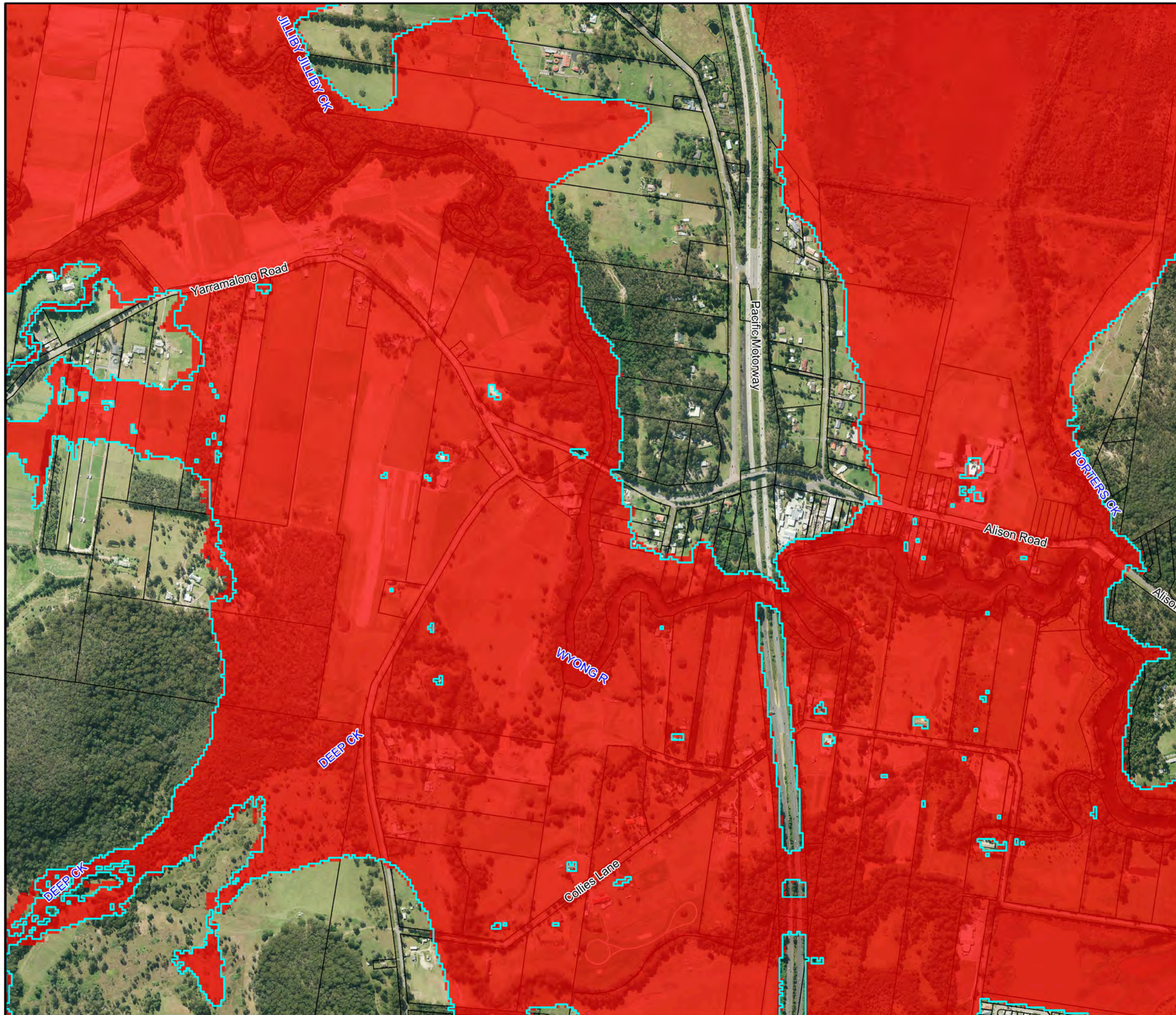
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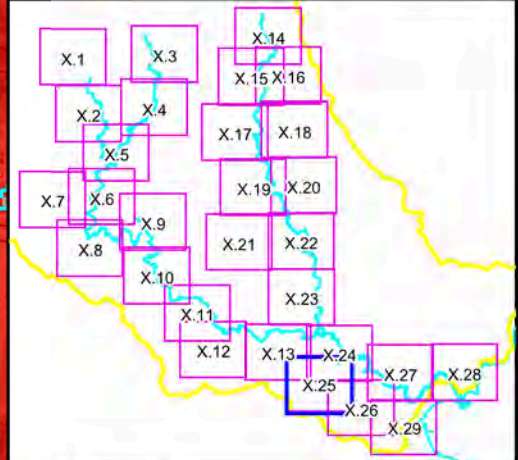


**Figure A16.24:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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

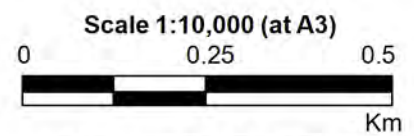
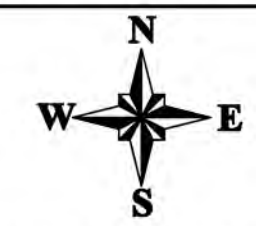




LEGEND

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

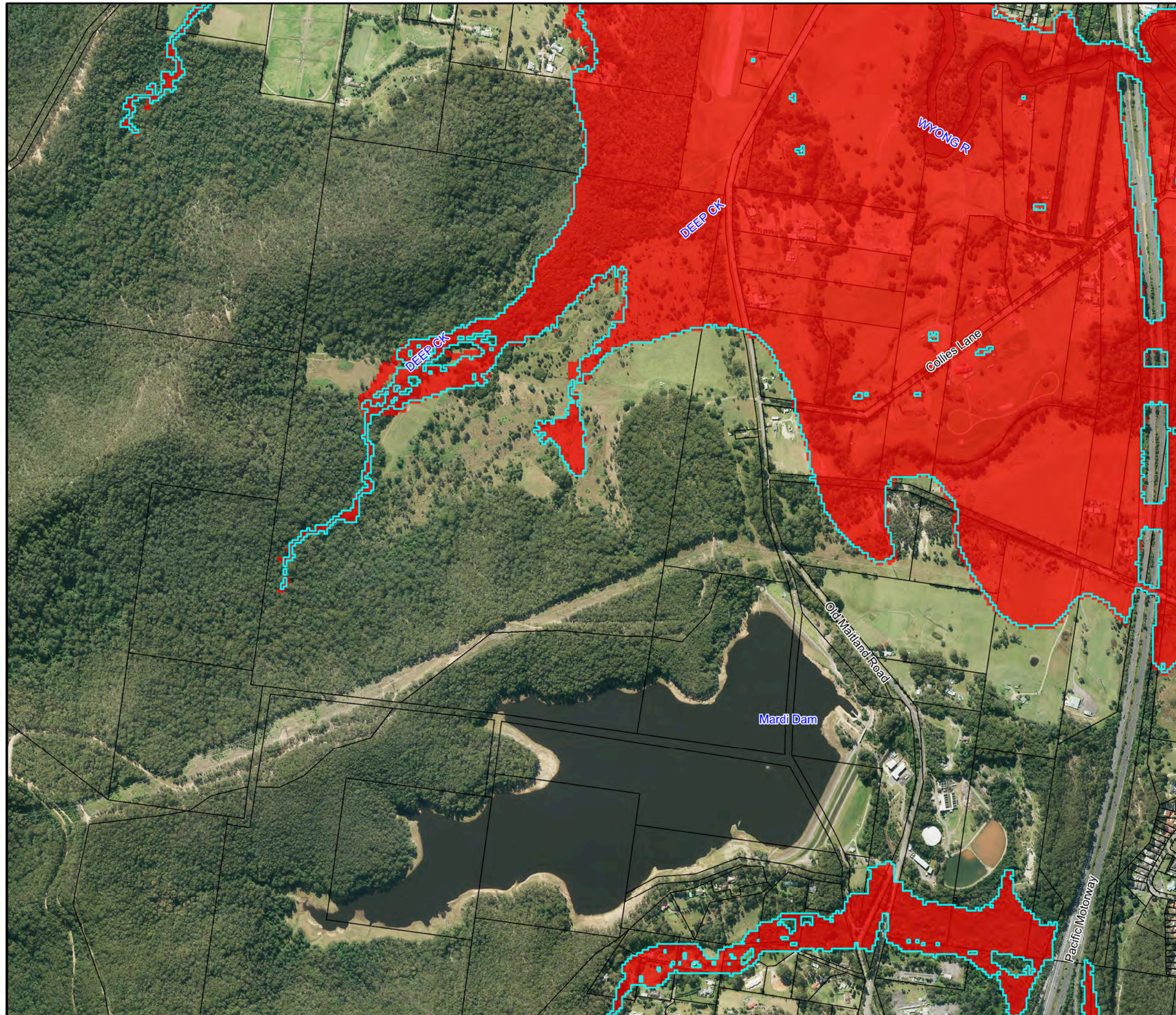
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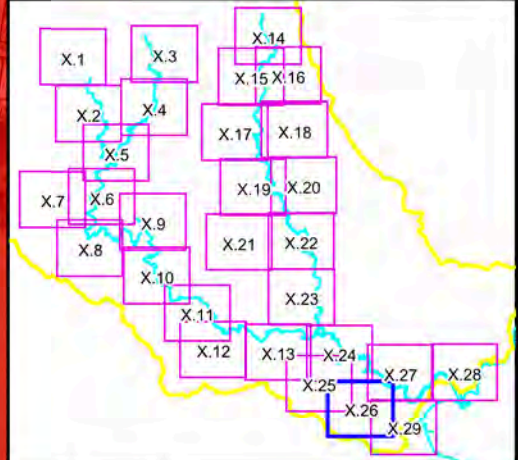


**Figure A16.25:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**



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

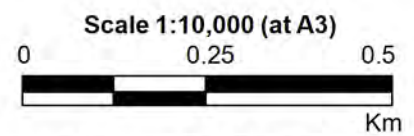




LEGEND

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

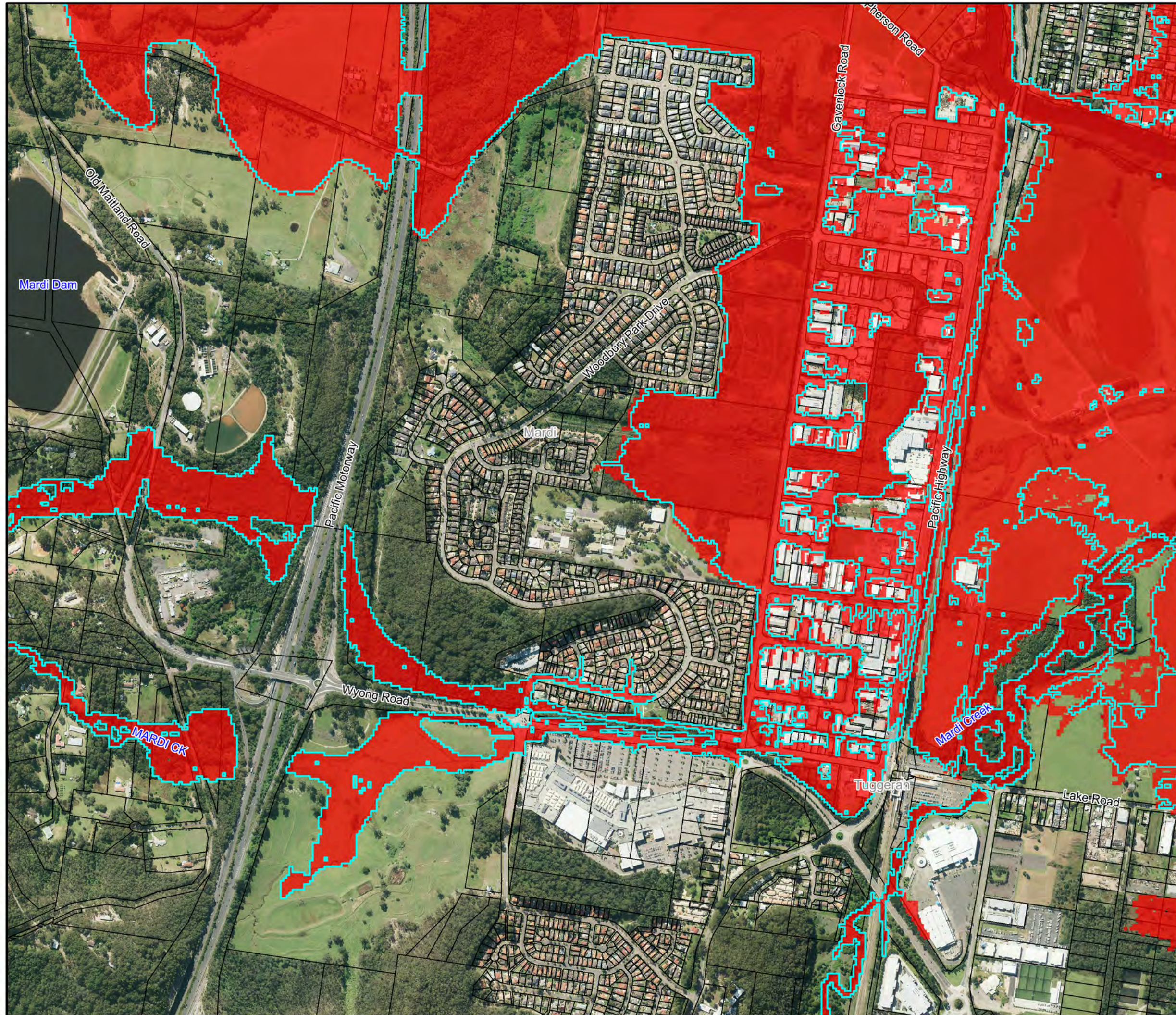
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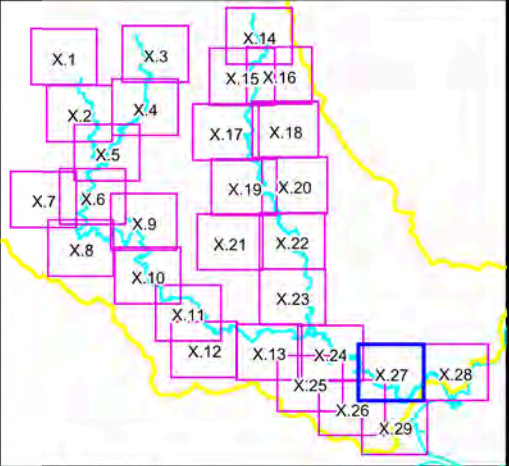
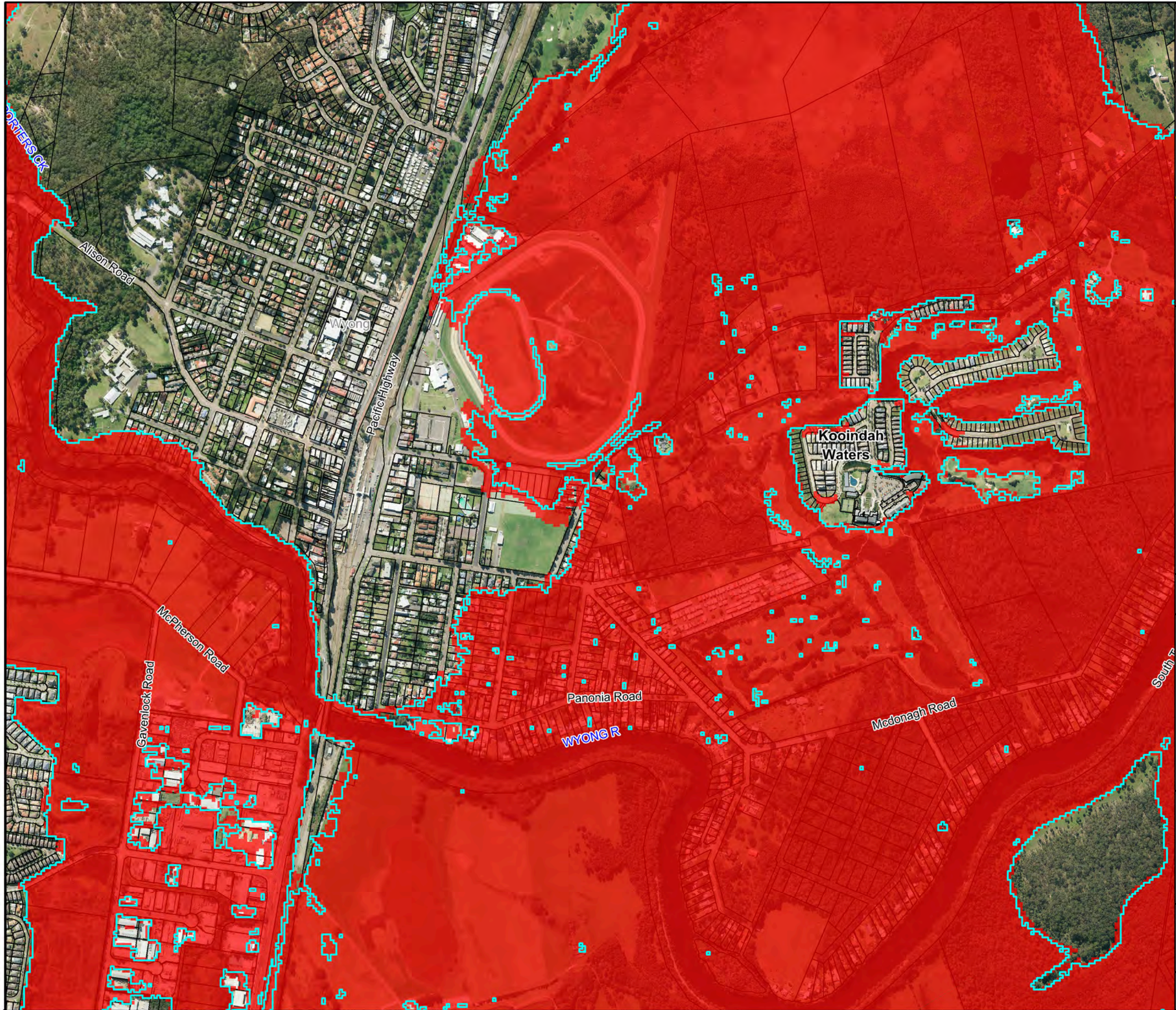


**Figure A16.26:
Peak 1% AEP Flood
Extent 15% increase in
Rainfall & 0.4m Increase
in Tuggerah Lake Level**

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File Name: Figure A16.26 CC15 1% AEP.wor

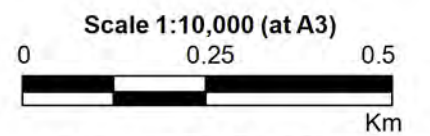




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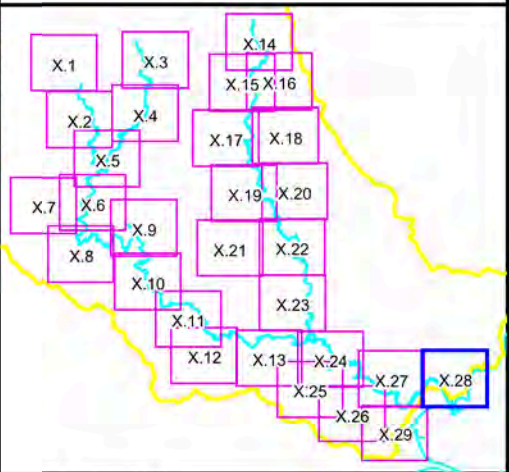
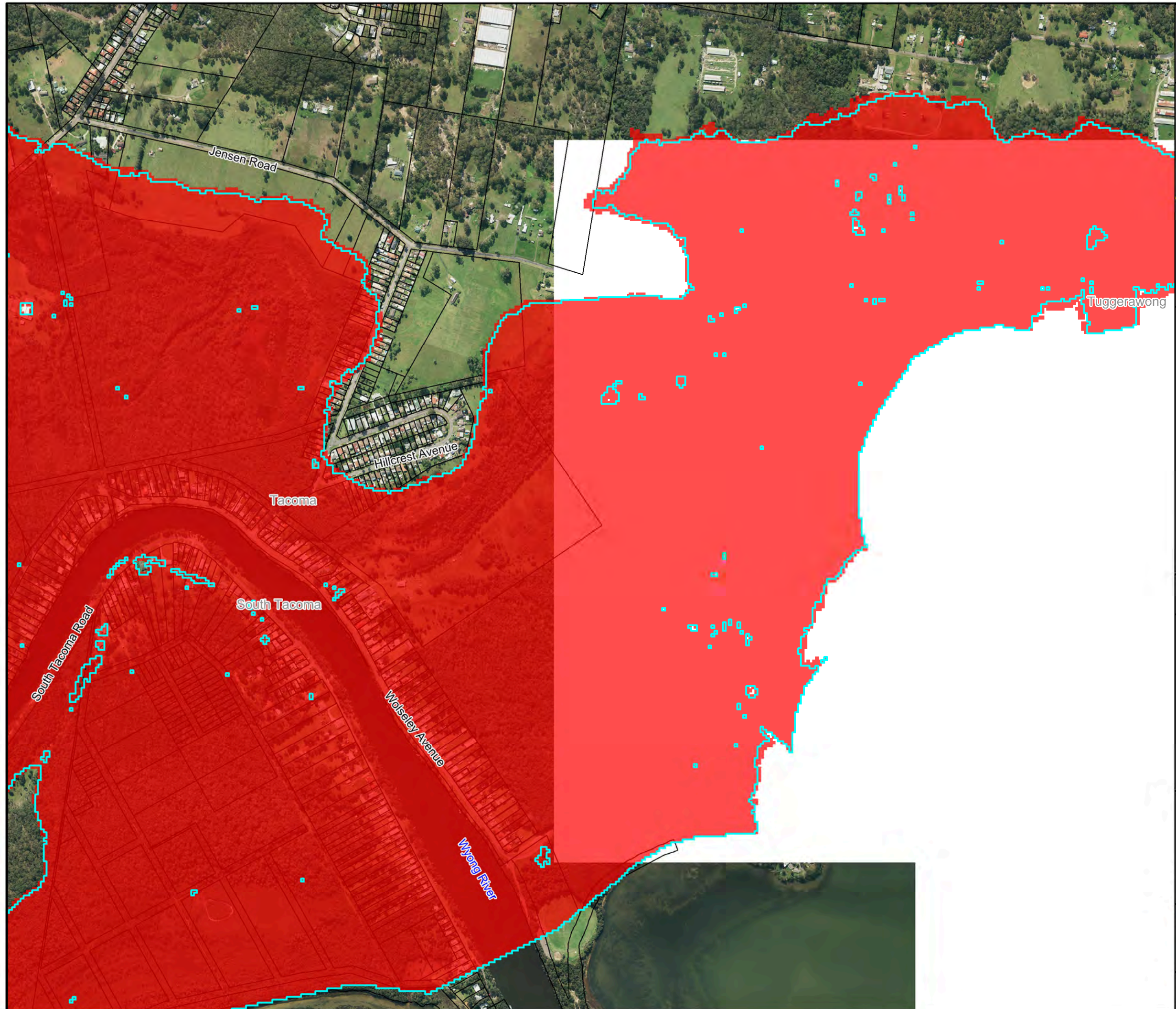
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



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

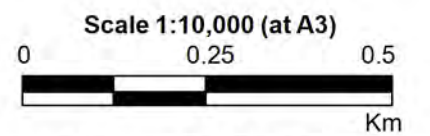
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Sydney, NSW 2000



LEGEND

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

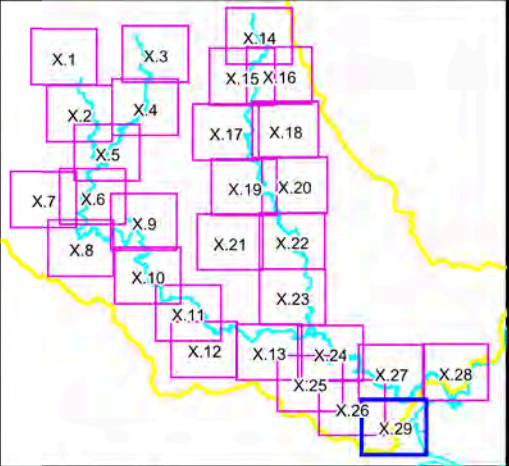
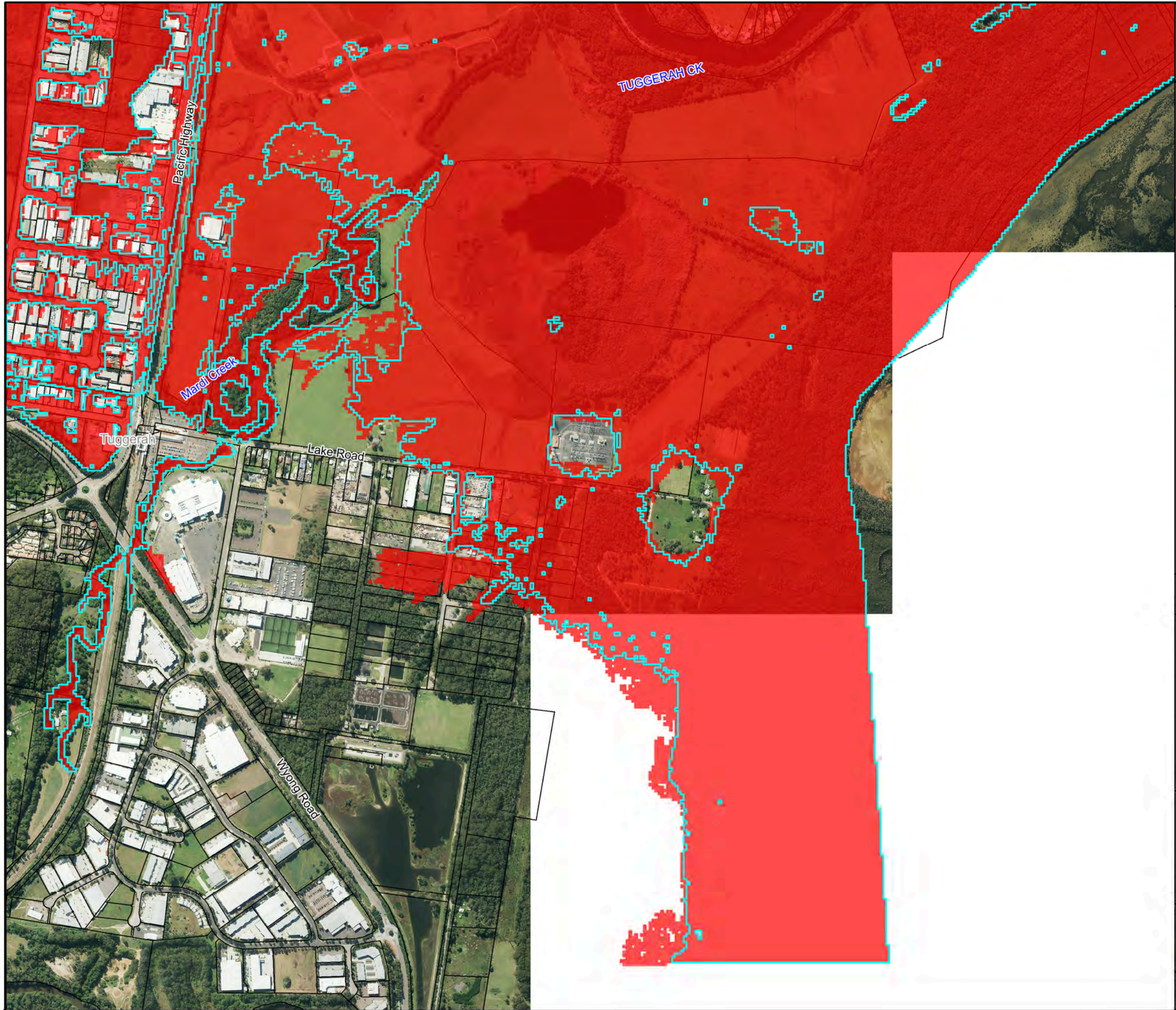
Notes:
Aerial photograph dated 2014





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

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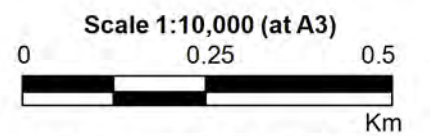
File Name: Figure A16.28 CC15 1% AEP.wor




LEGEND

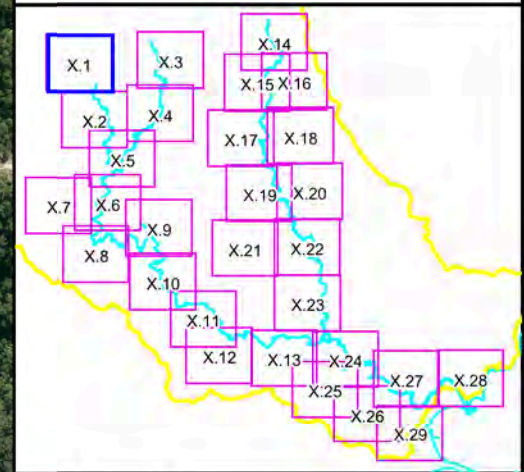
-  Existing 1% AEP Inundation Extent
-  1% AEP Inundation Extent with 15% Increase in Rainfall and 0.4m Increase in Tuggerah Lake Level

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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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

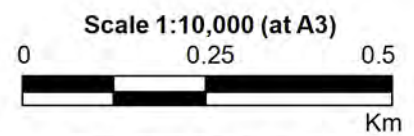
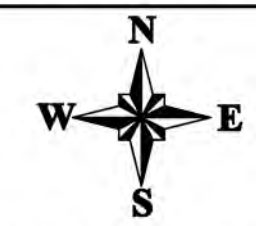
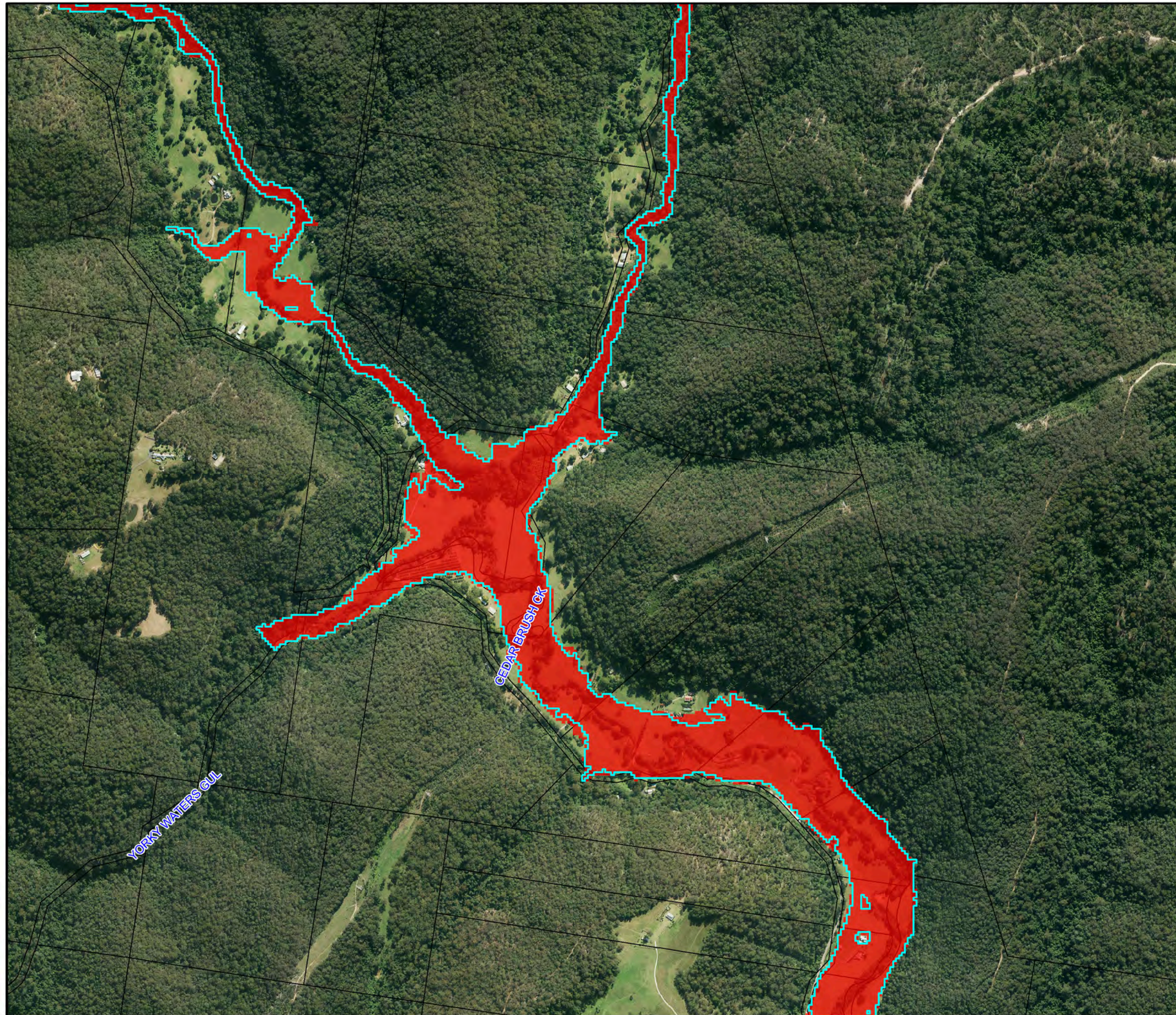
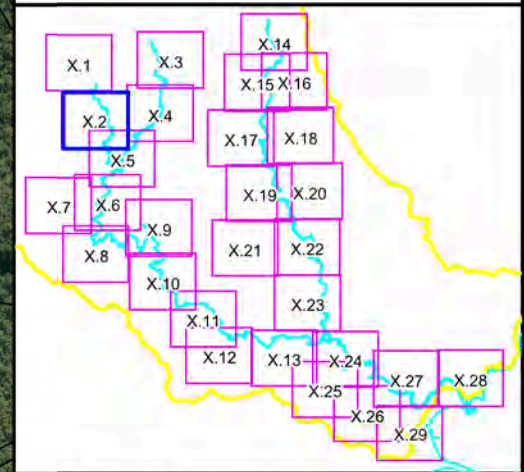


Figure A17.1:
Peak 1% AEP Flood Extent 30% increase in Rainfall & 0.9m Increase in Tuggerah Lake Level

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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

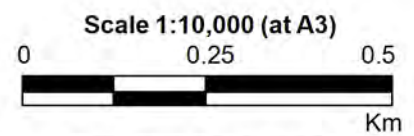
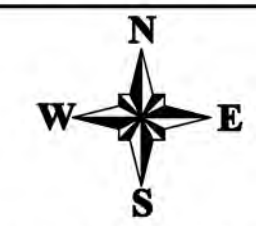
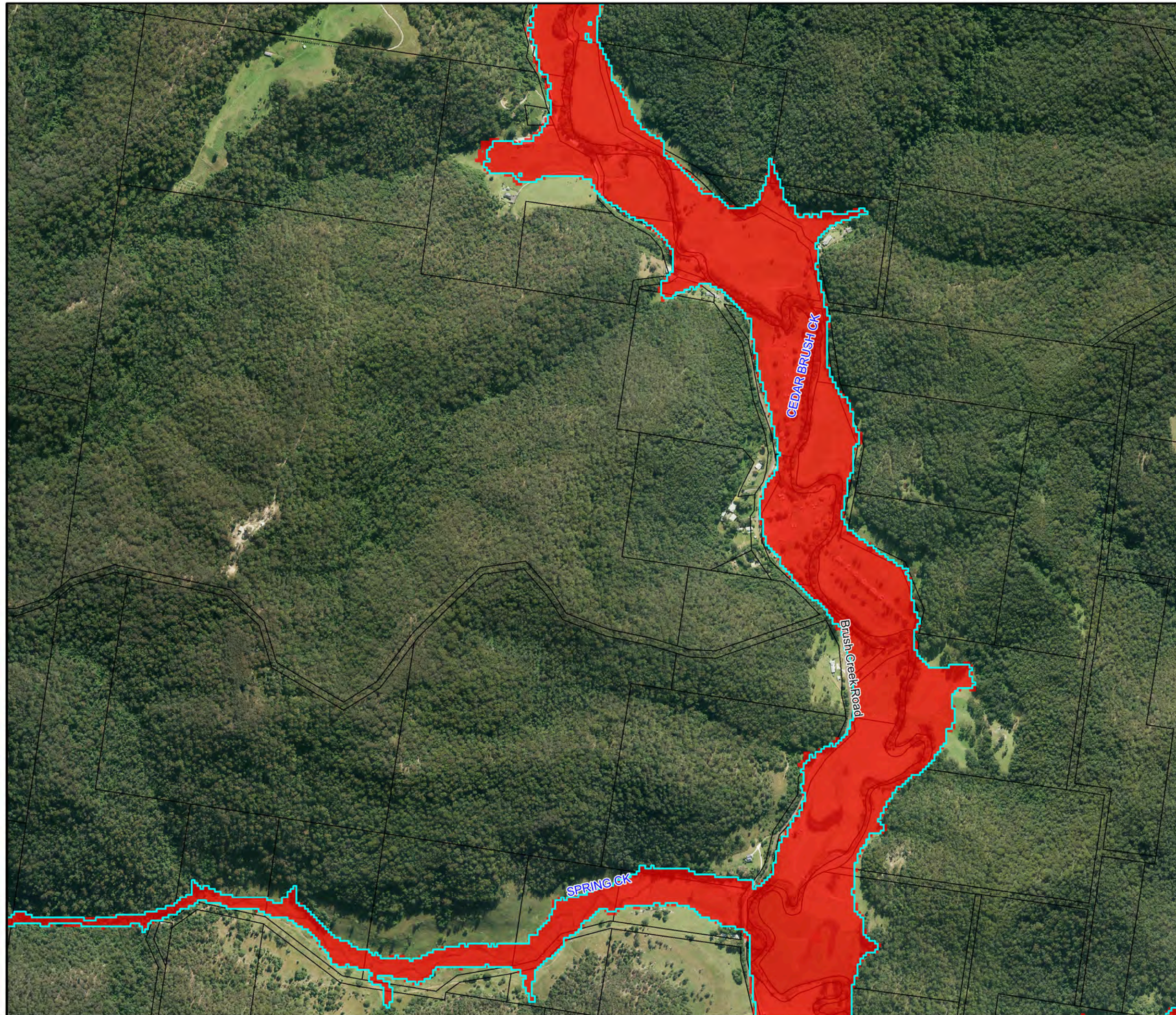
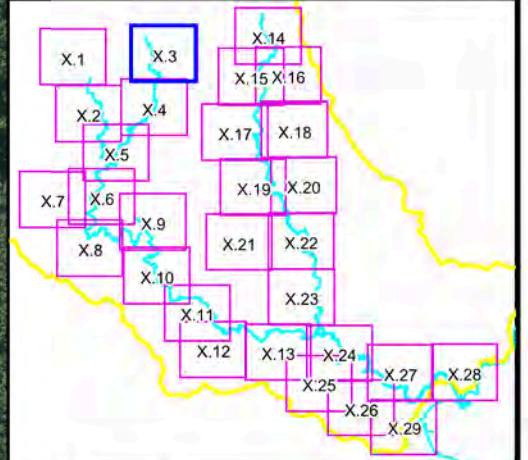
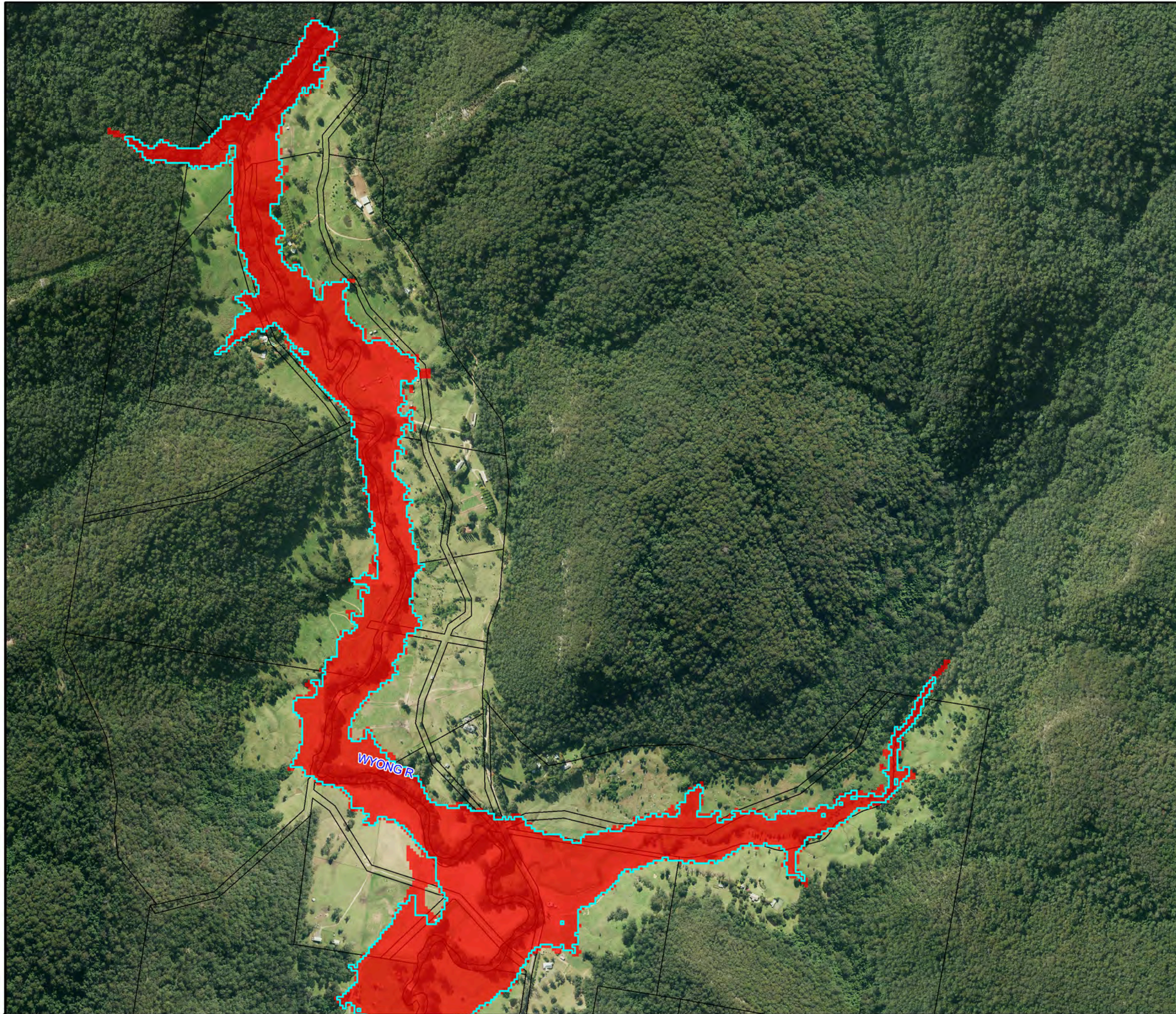


Figure A17.2:
Peak 1% AEP Flood Extent 30% increase in Rainfall & 0.9m Increase in Tuggerah Lake Level



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

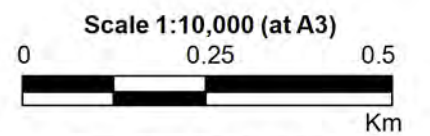





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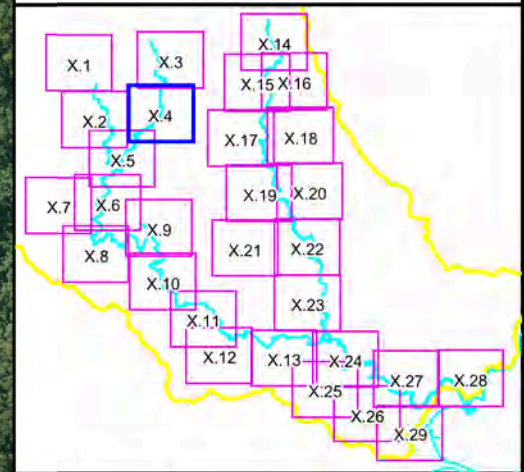
-  Existing 1% AEP Inundation Extent
-  1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



**Figure A17.3:
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

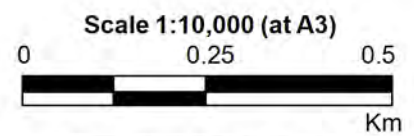
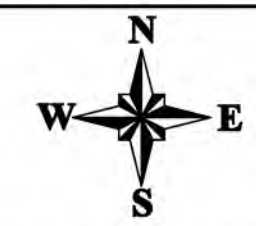
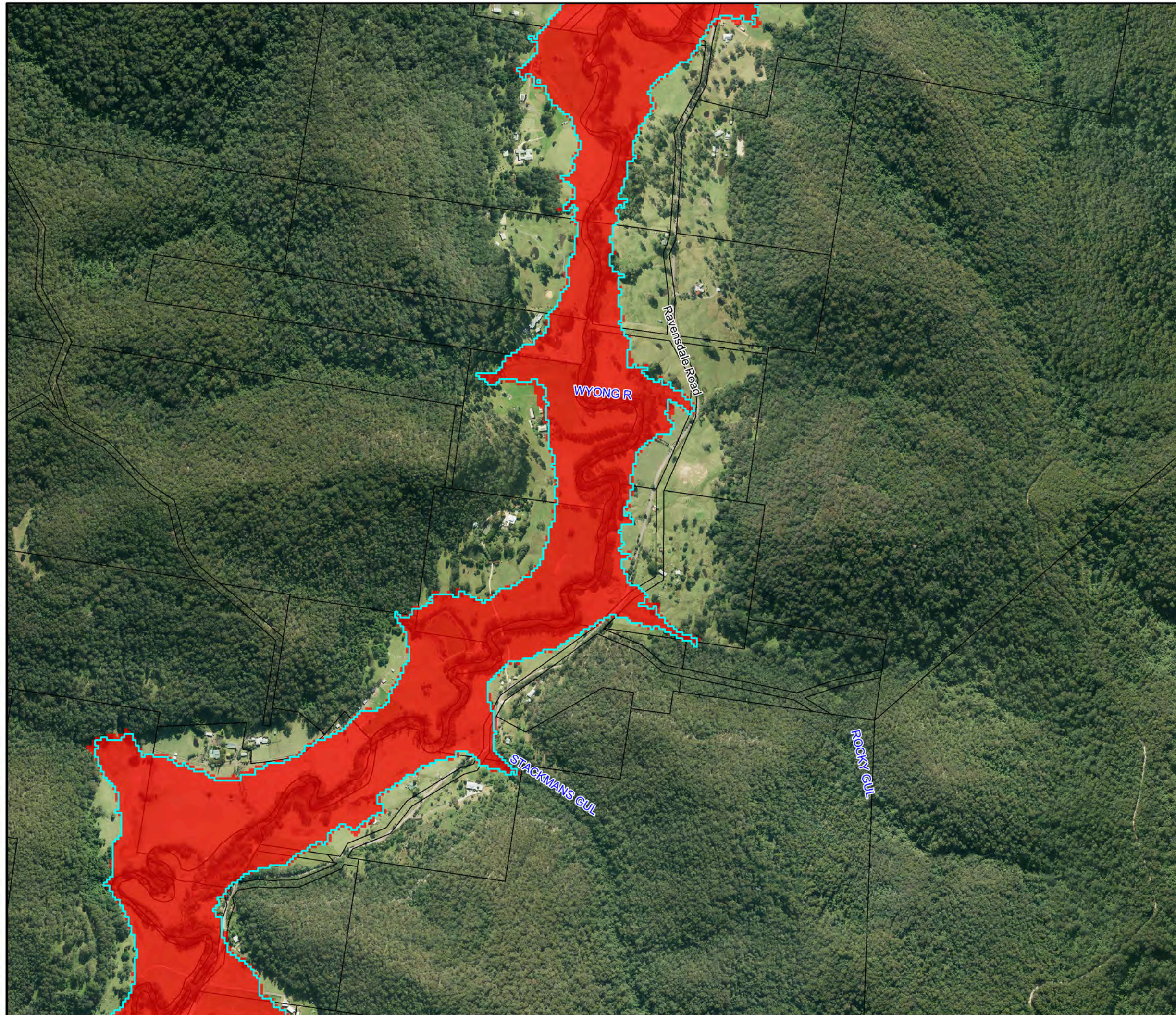
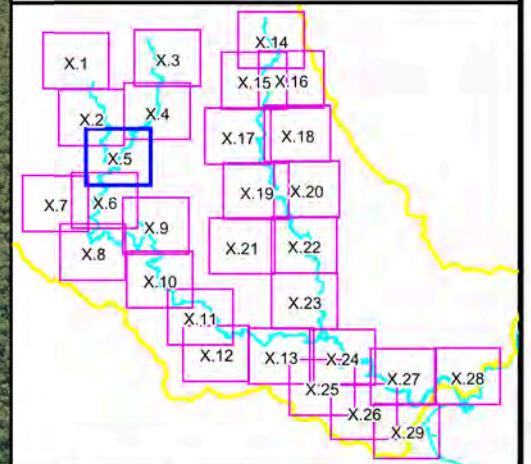


Figure A17.4:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

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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

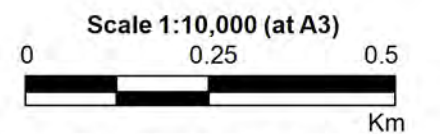
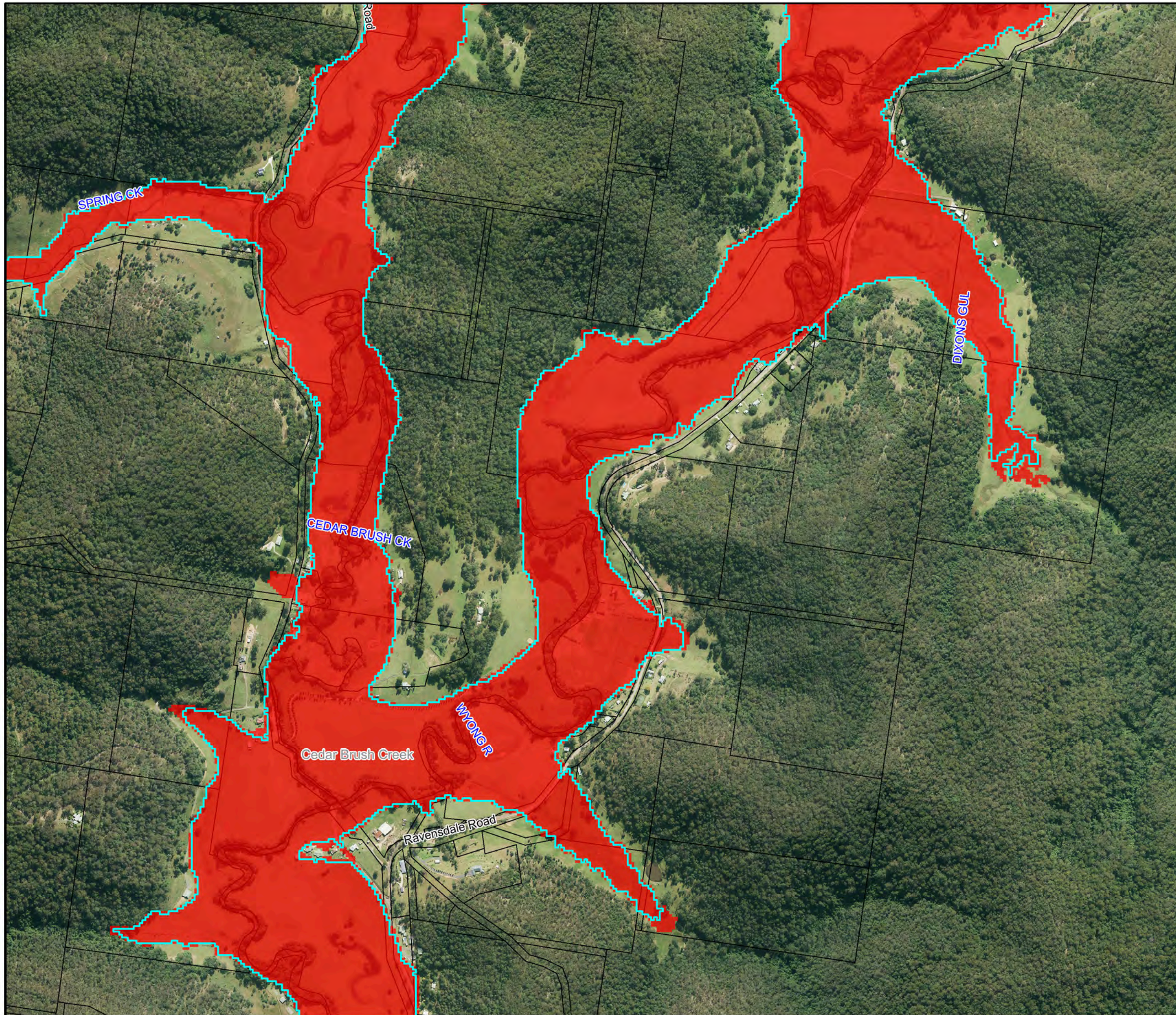


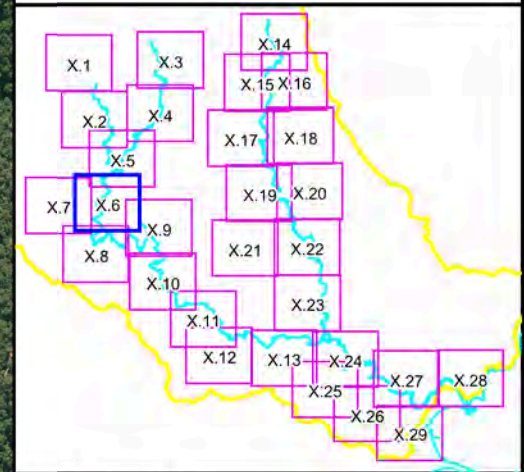
Figure A17.5:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

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Sydney, NSW 2000

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

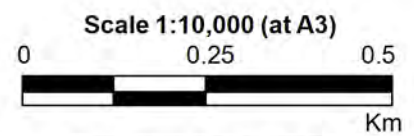
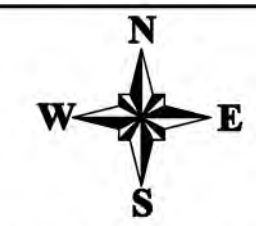
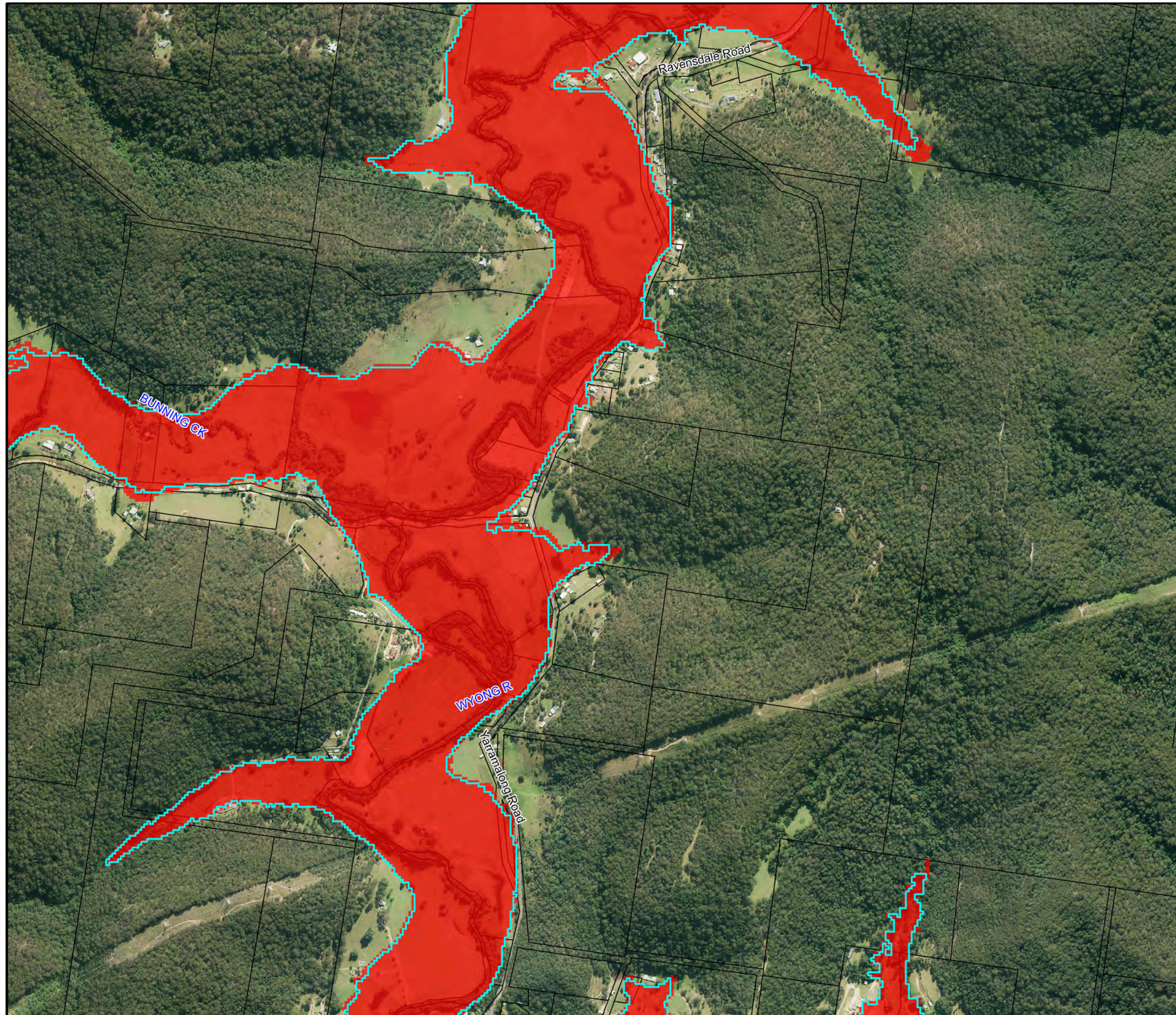
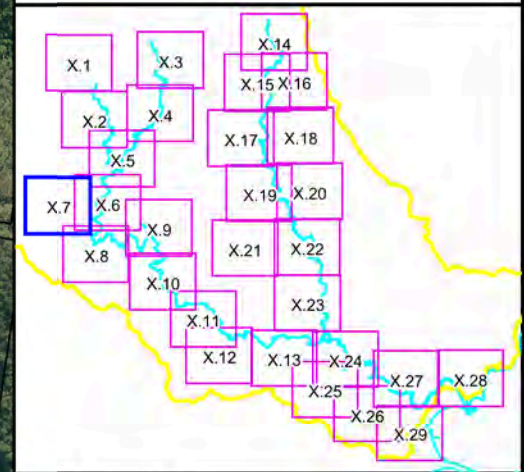


Figure A17.6:
Peak 1% AEP Flood Extent 30% increase in Rainfall & 0.9m Increase in Tuggerah Lake Level

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Sydney, NSW 2000

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

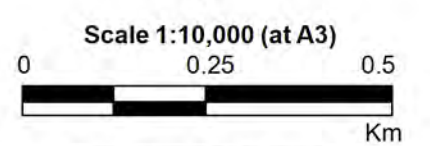




LEGEND

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

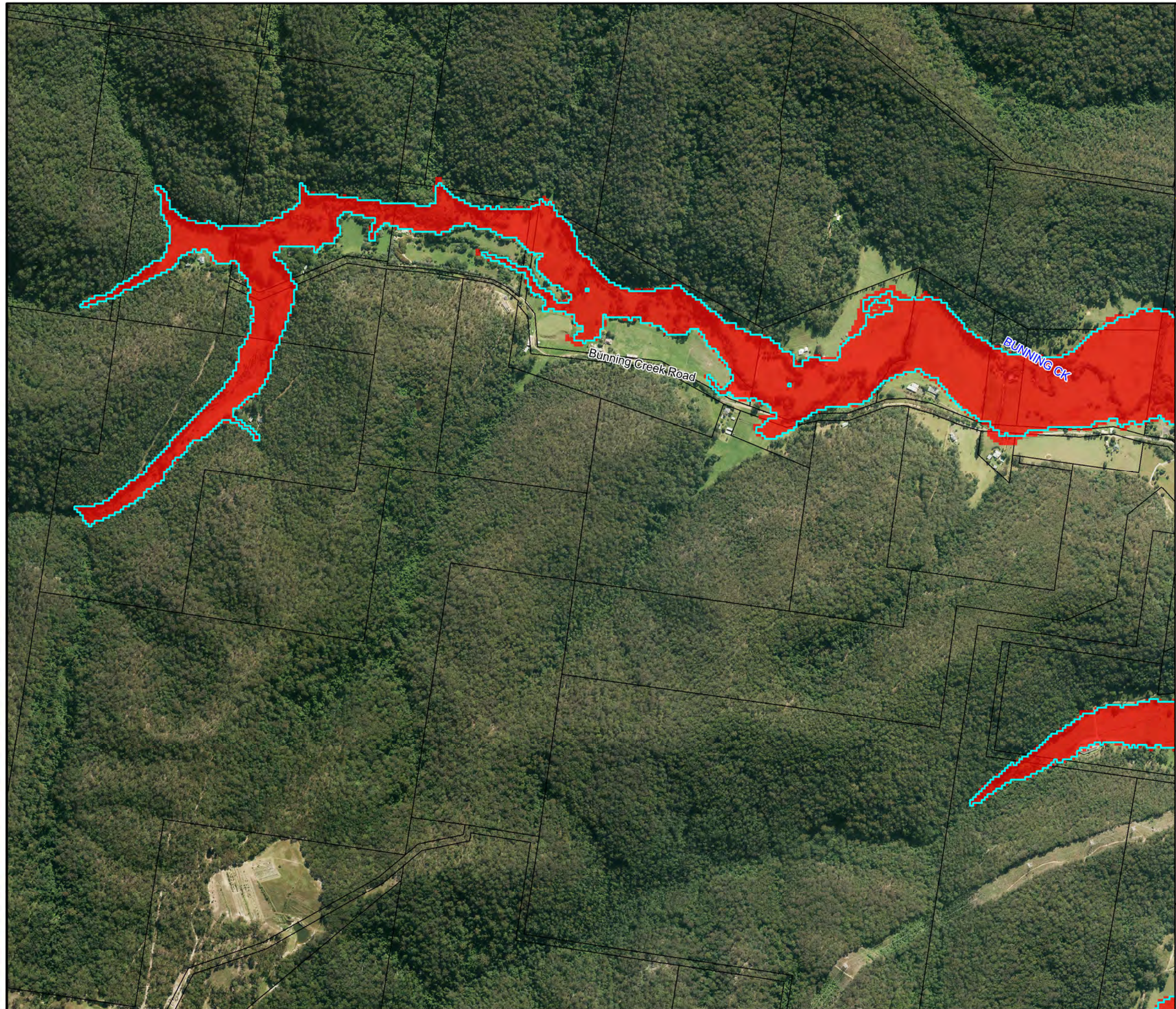
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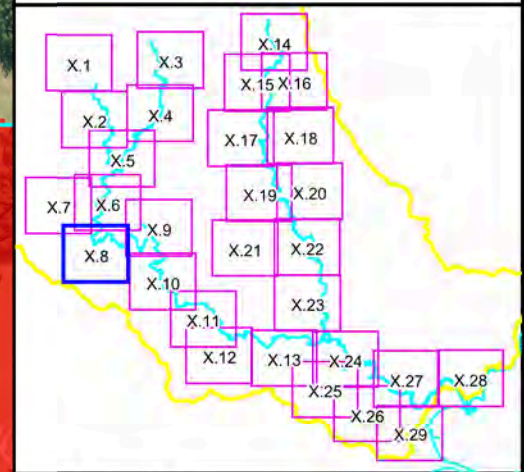


**Figure A17.7:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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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

Notes:
Aerial photograph dated 2014

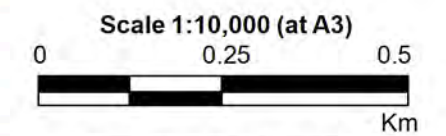
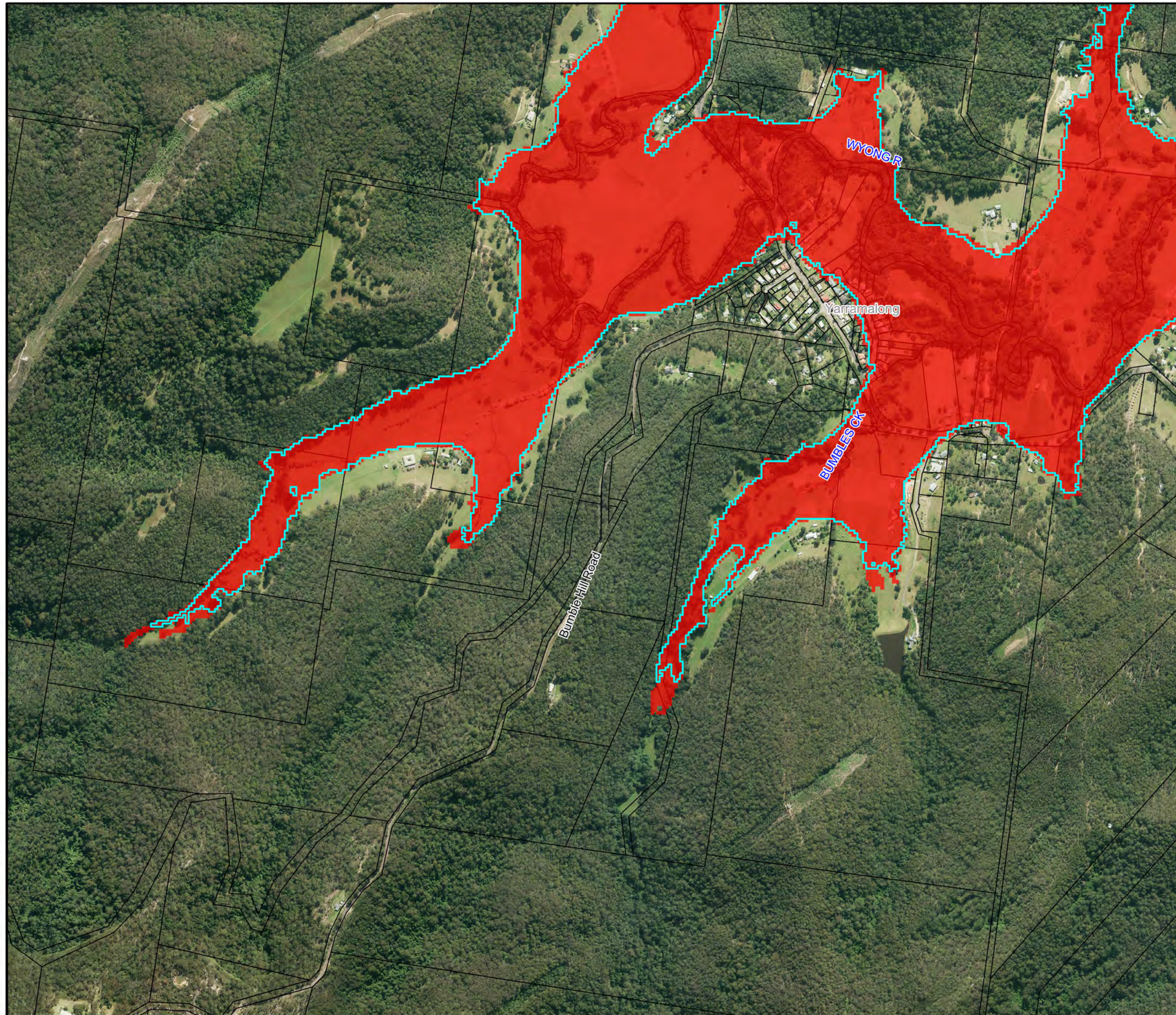
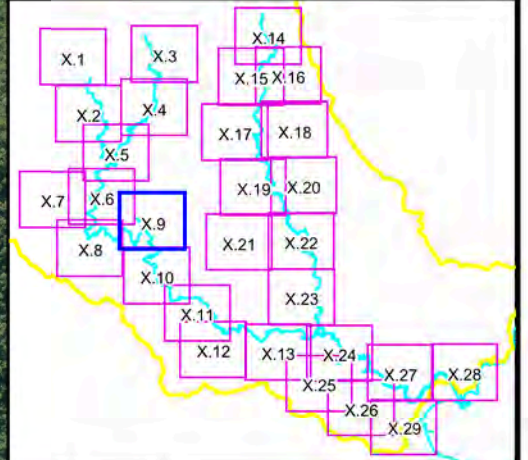
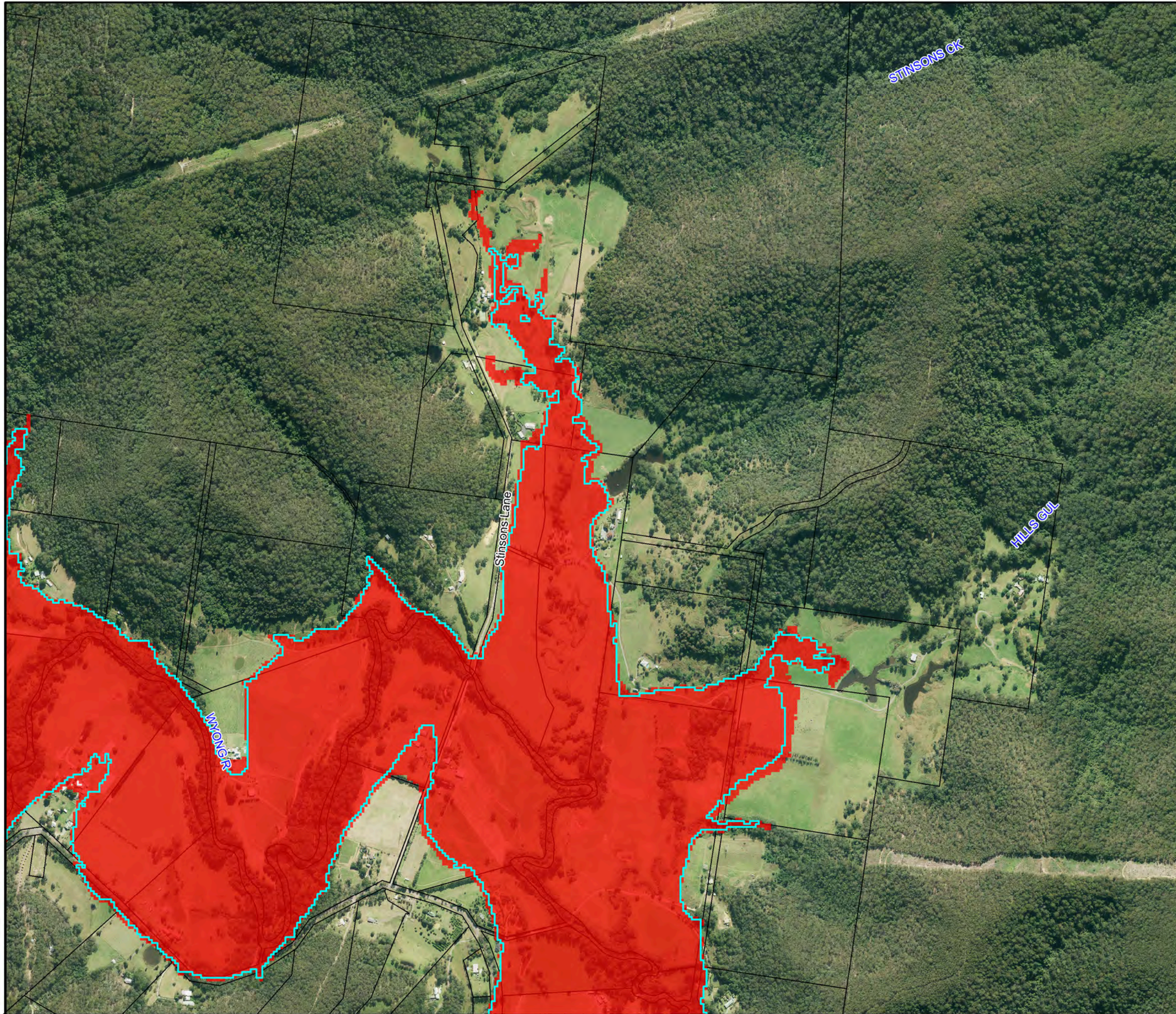


Figure A17.8:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

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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

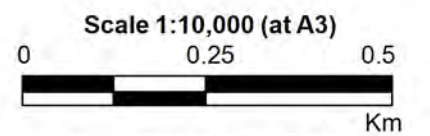
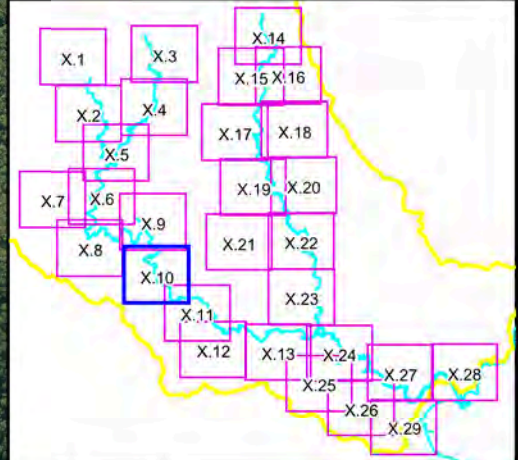
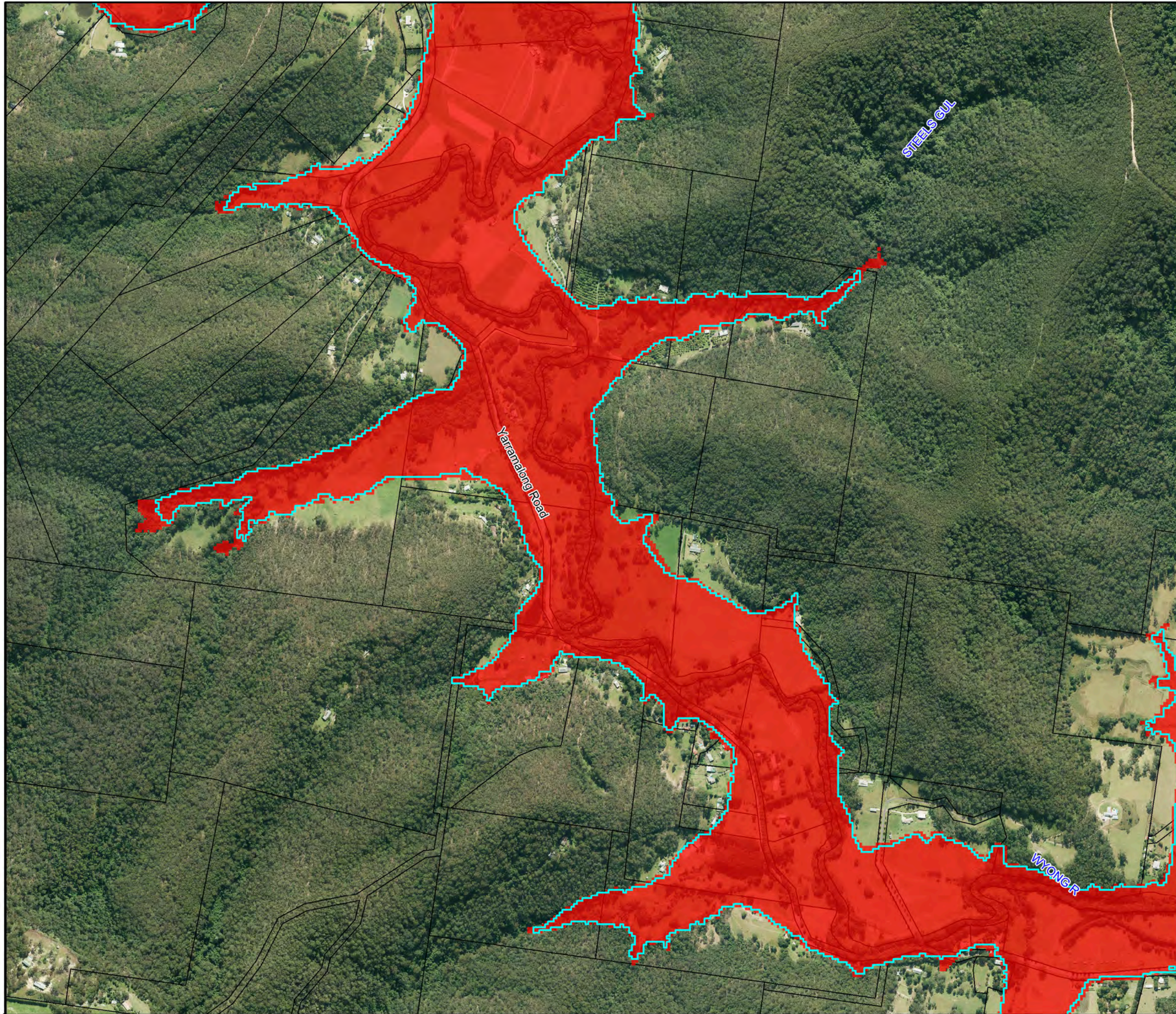




Figure A17.9:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

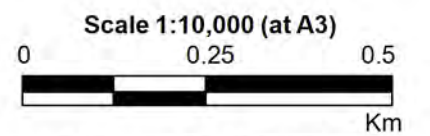
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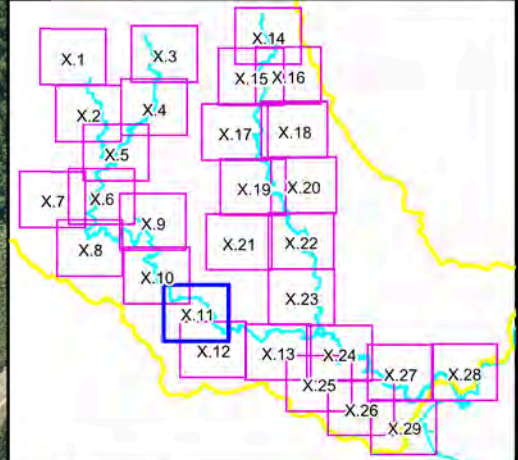
-  Existing 1% AEP Inundation Extent
-  1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



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

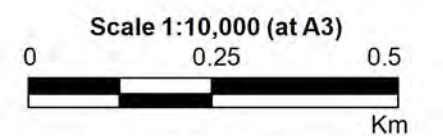
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LEGEND

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

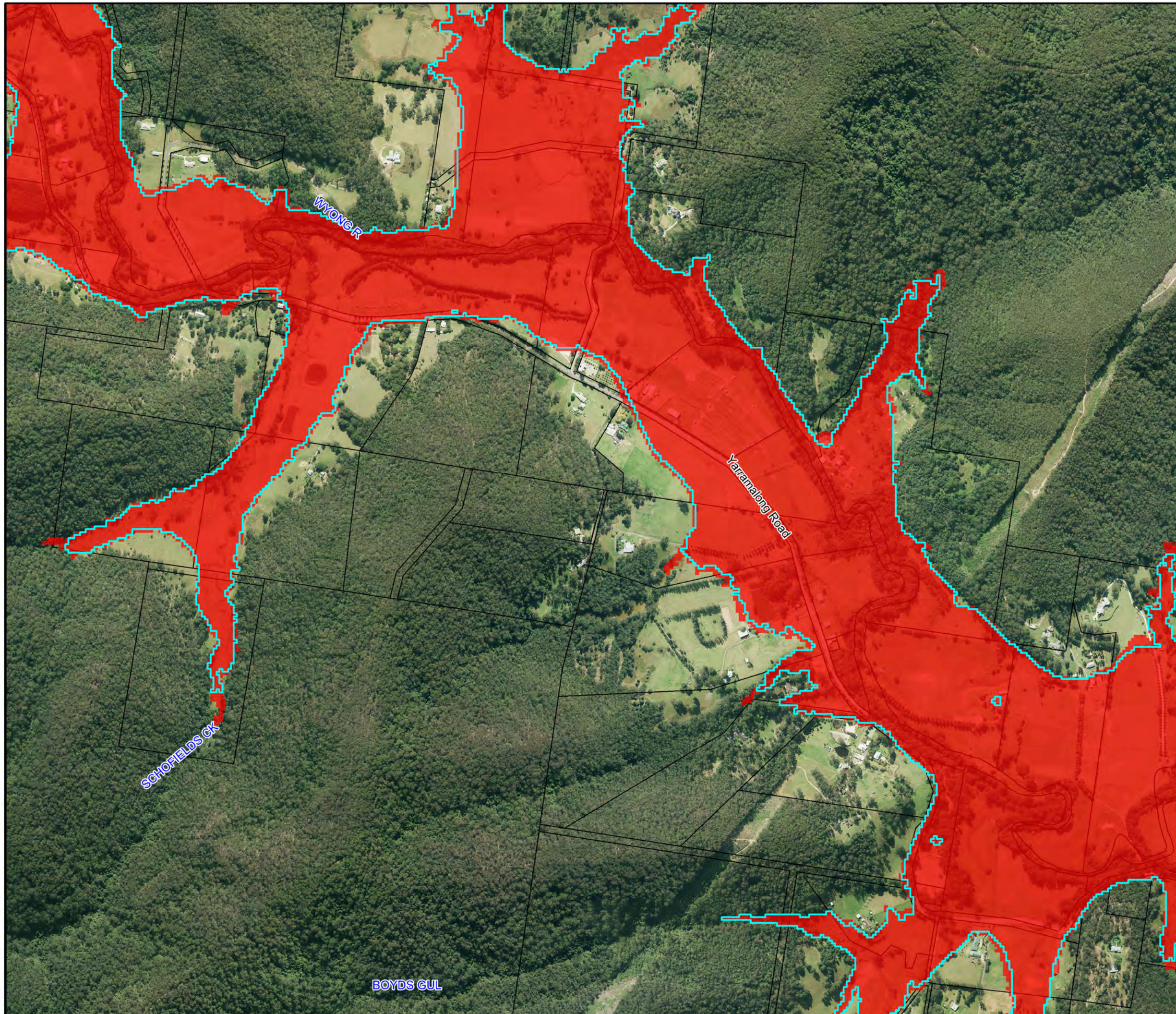
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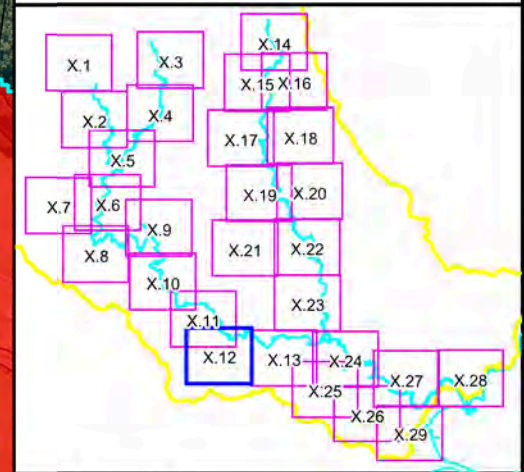


**Figure A17.11:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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

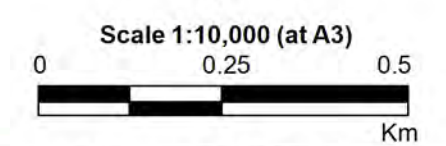




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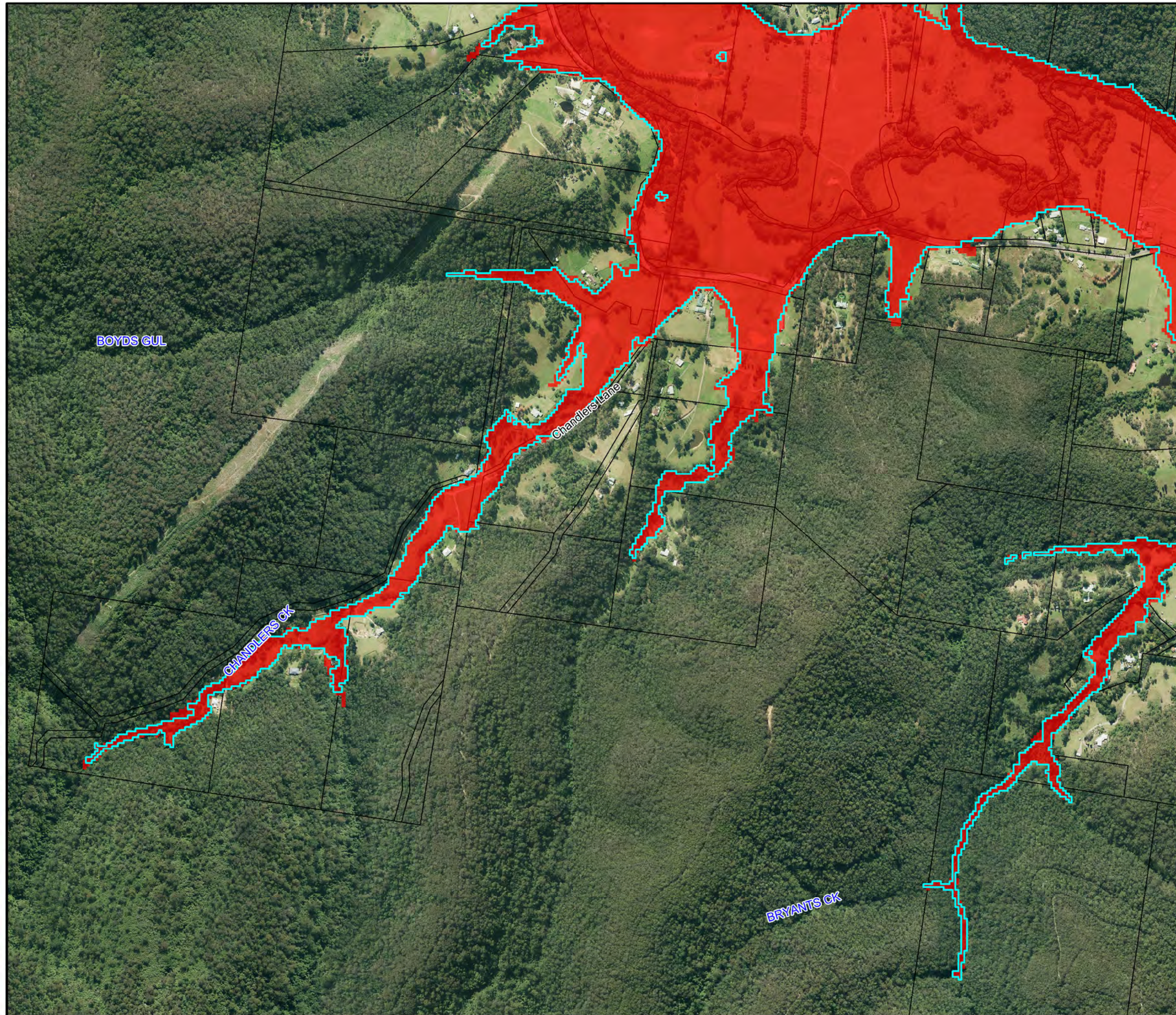
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

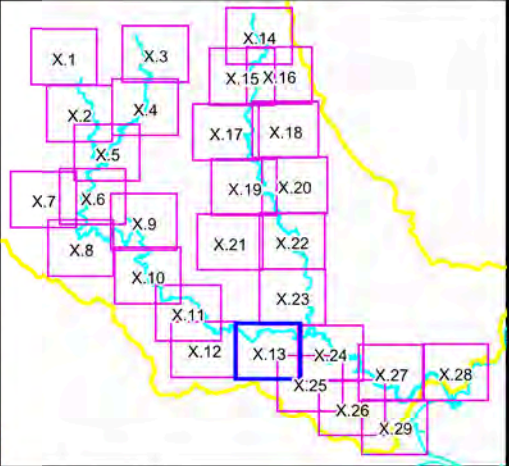
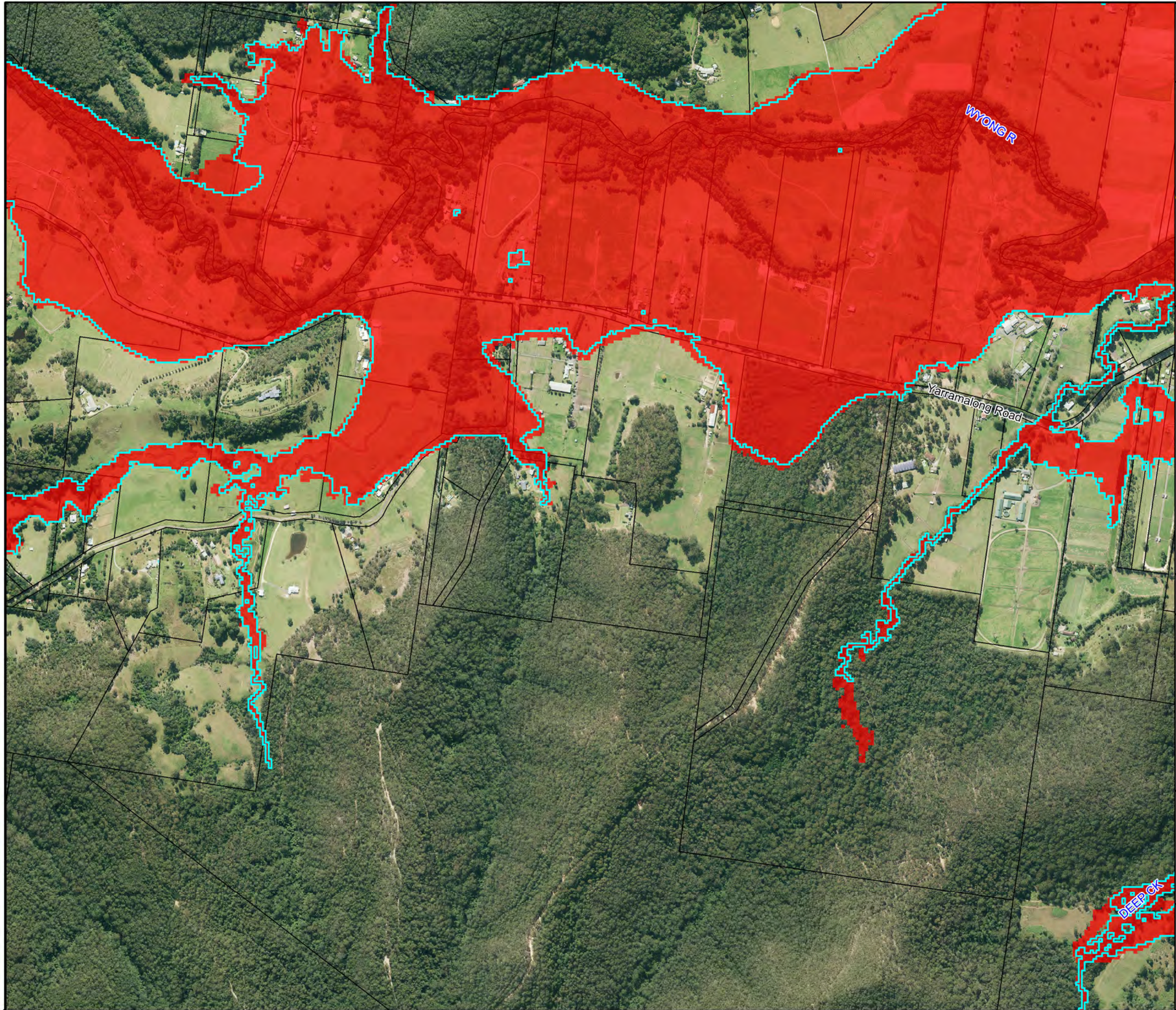
Notes:
Aerial photograph dated 2014



**Figure A17.12:
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

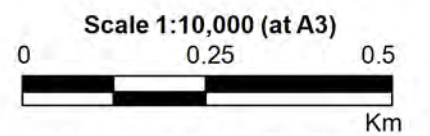
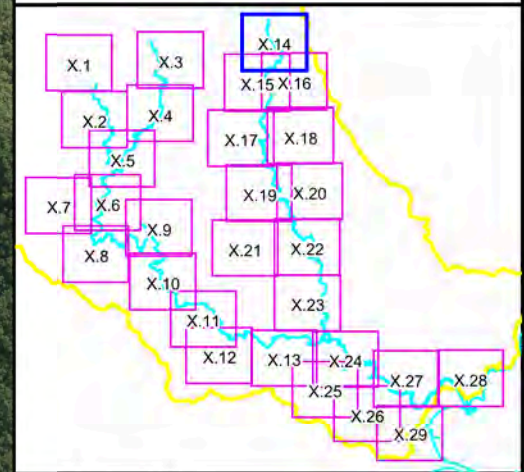


Figure A17.13:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

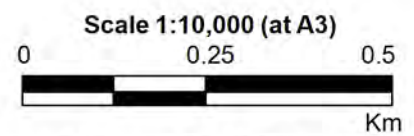
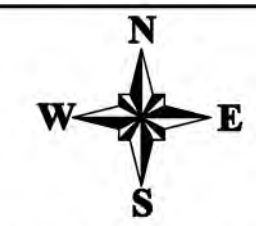
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LEGEND

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

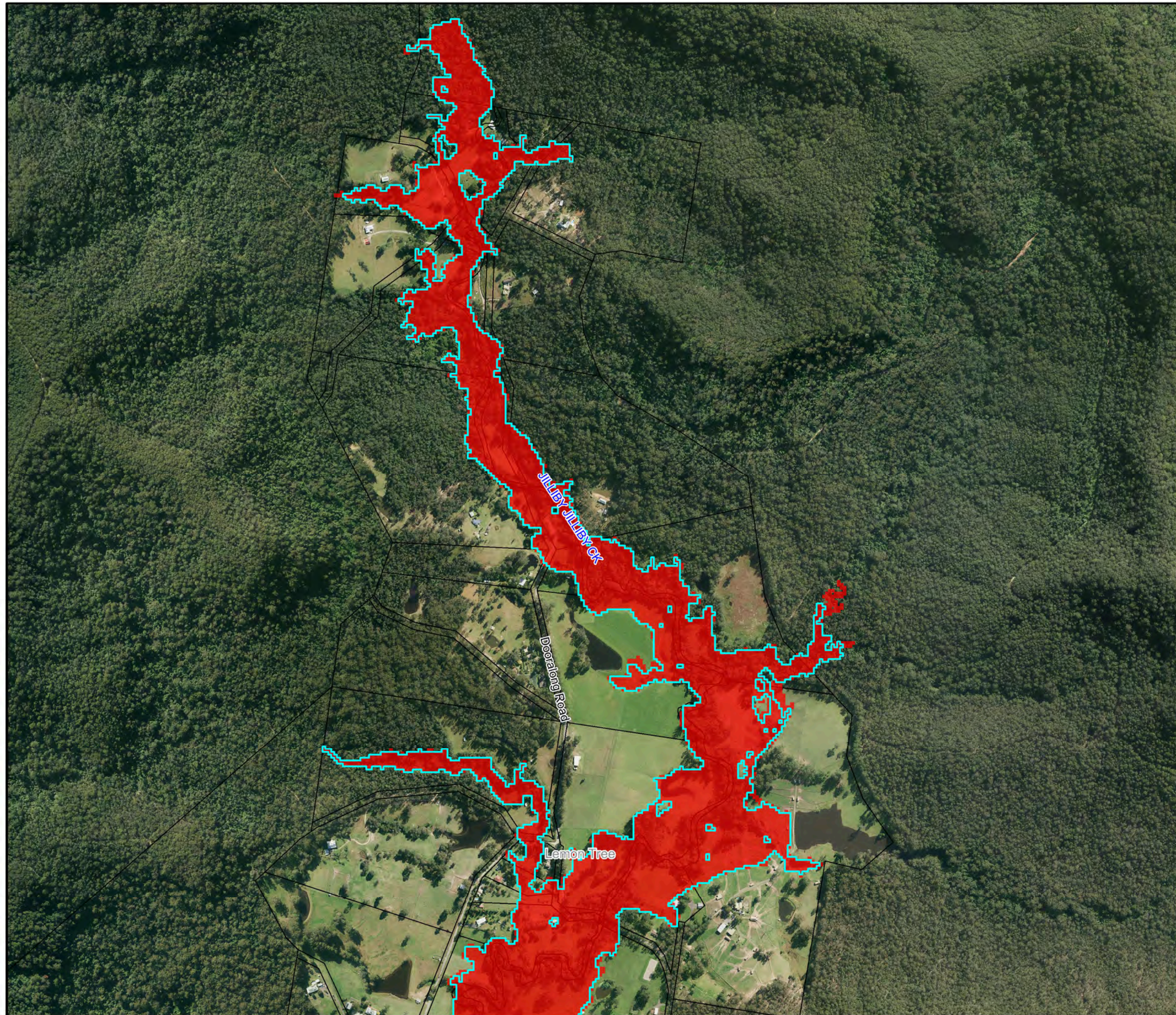
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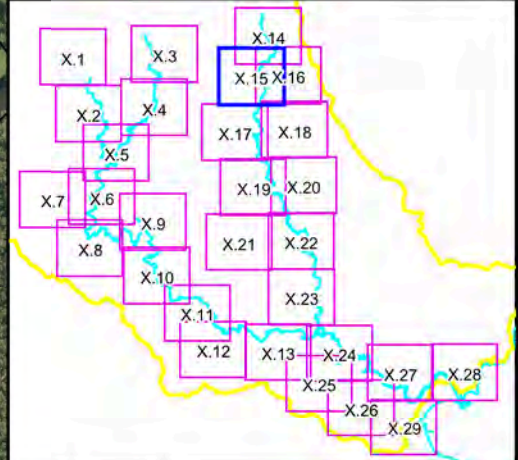


**Figure A17.14:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**



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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

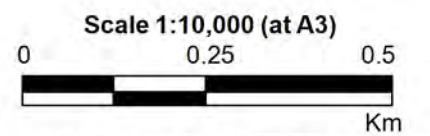

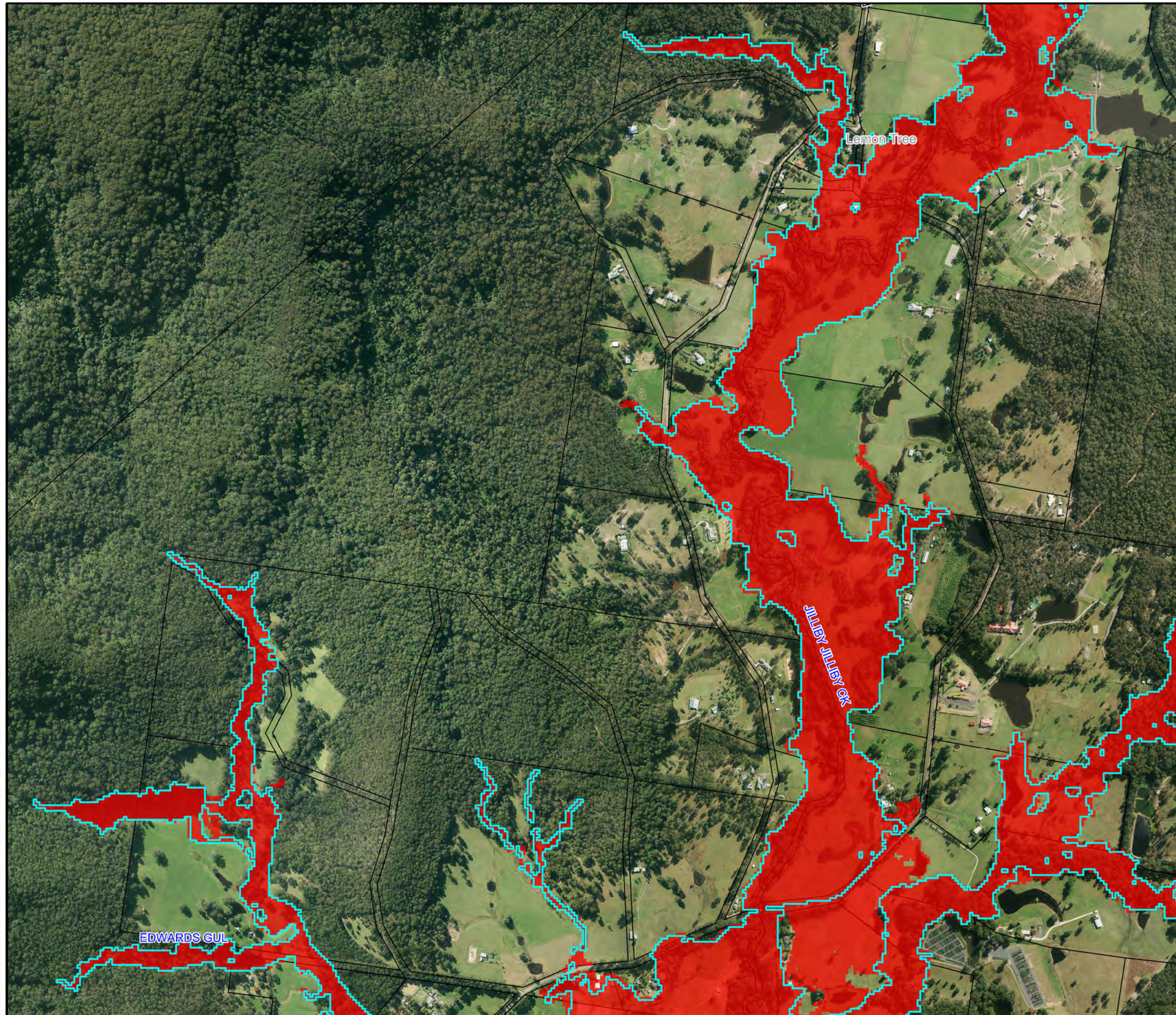
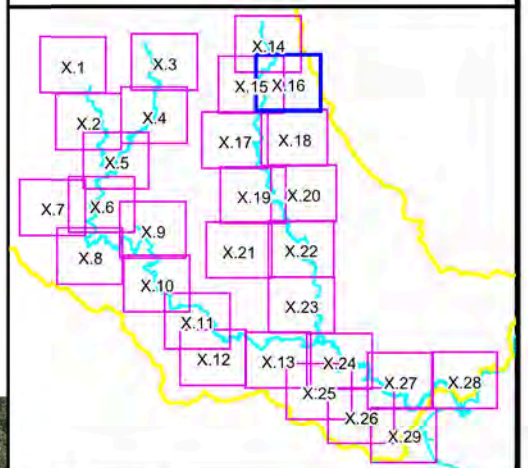
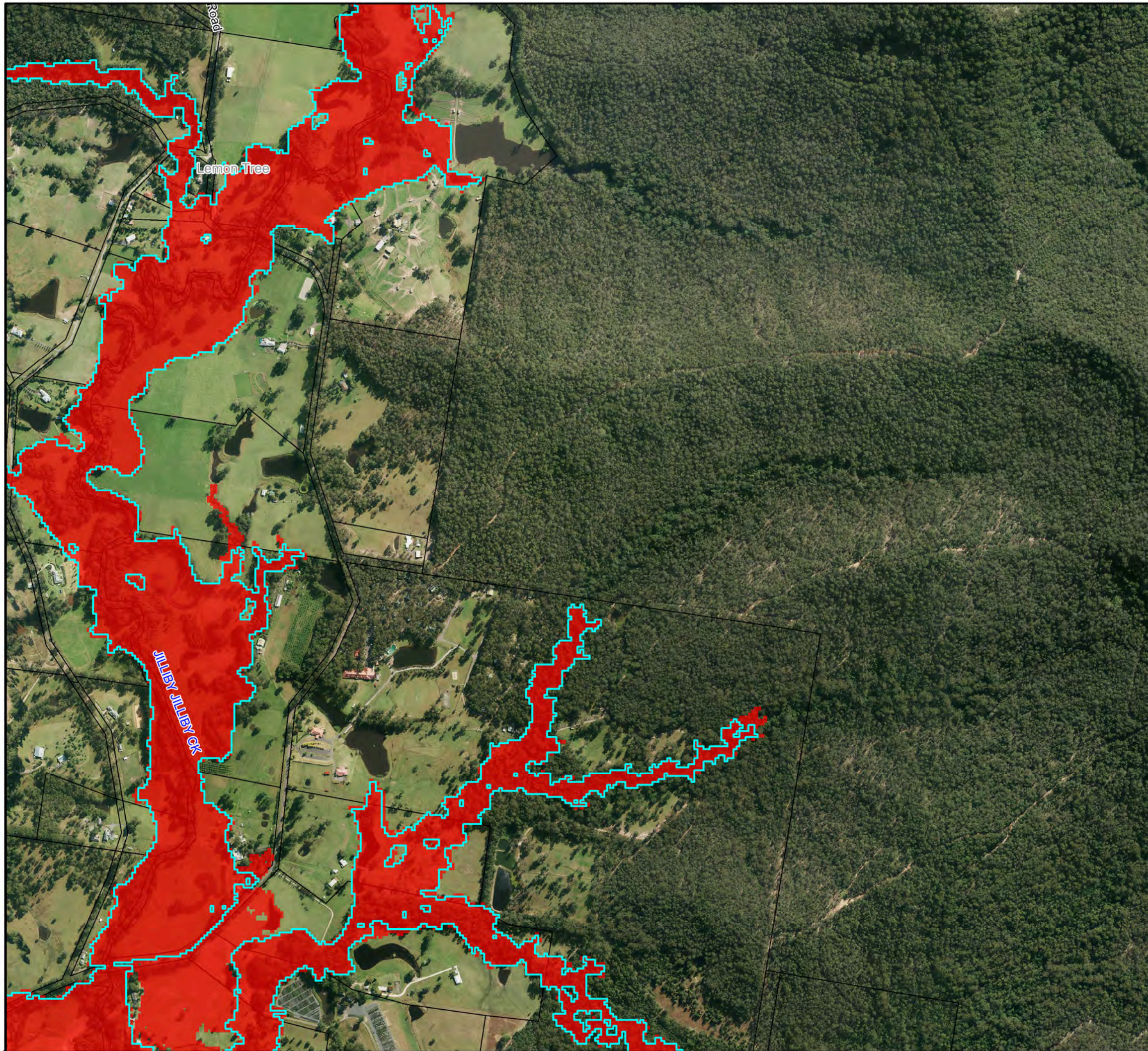


Figure A17.15:
Peak 1% AEP Flood Extent 30% increase in Rainfall & 0.9m Increase in Tuggerah Lake Level



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





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

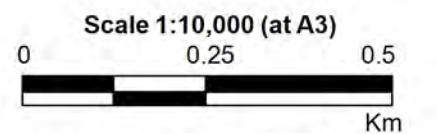

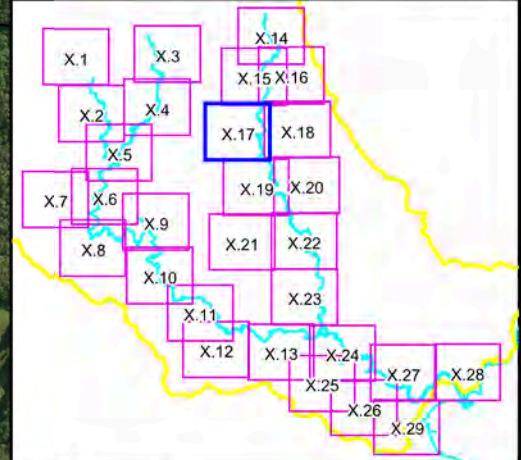


Figure A17.16:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

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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

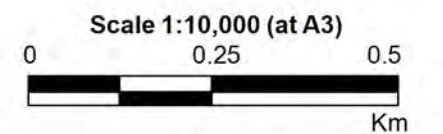
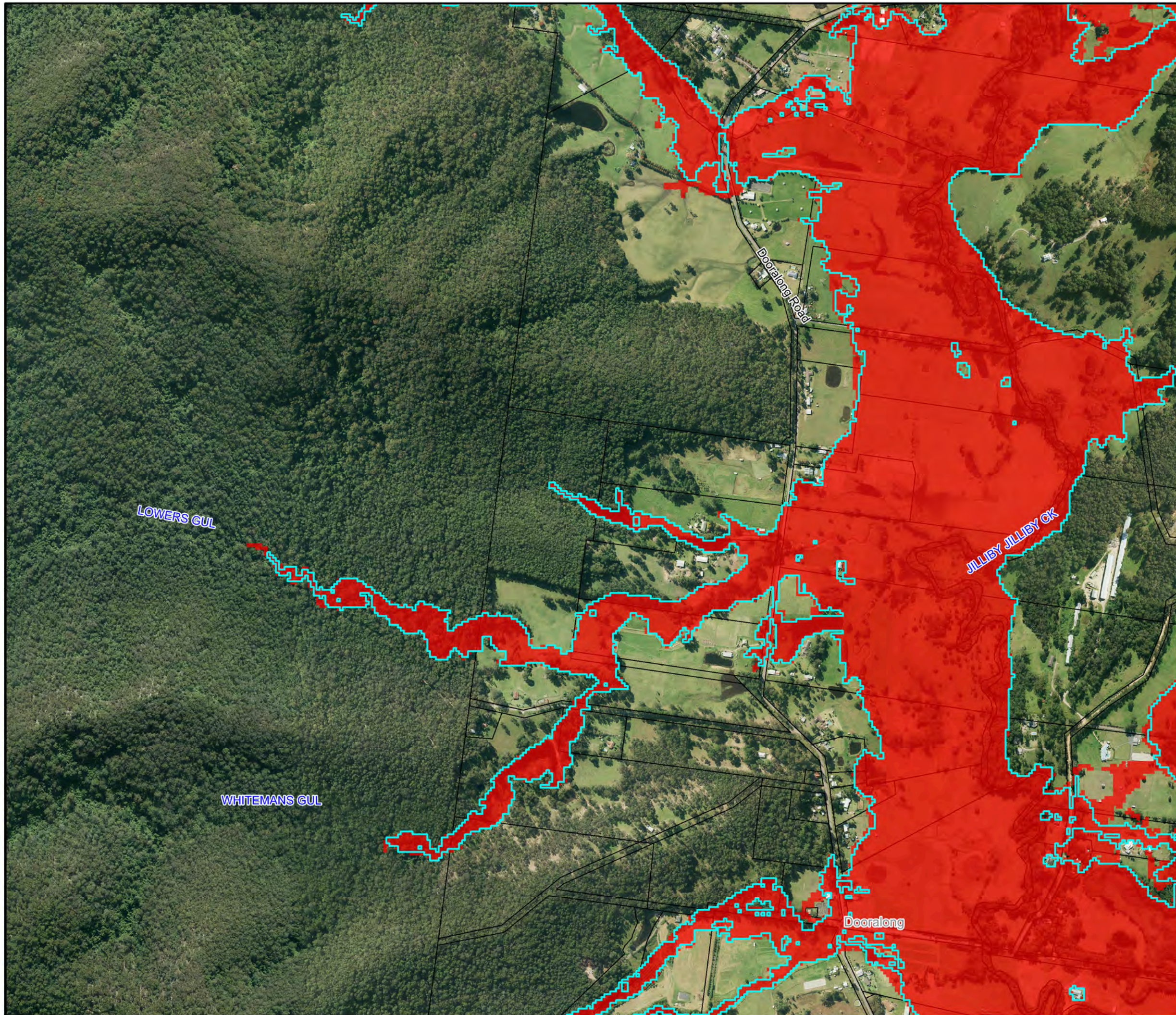
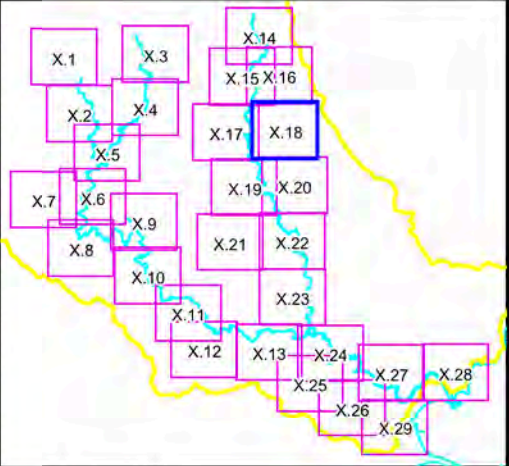
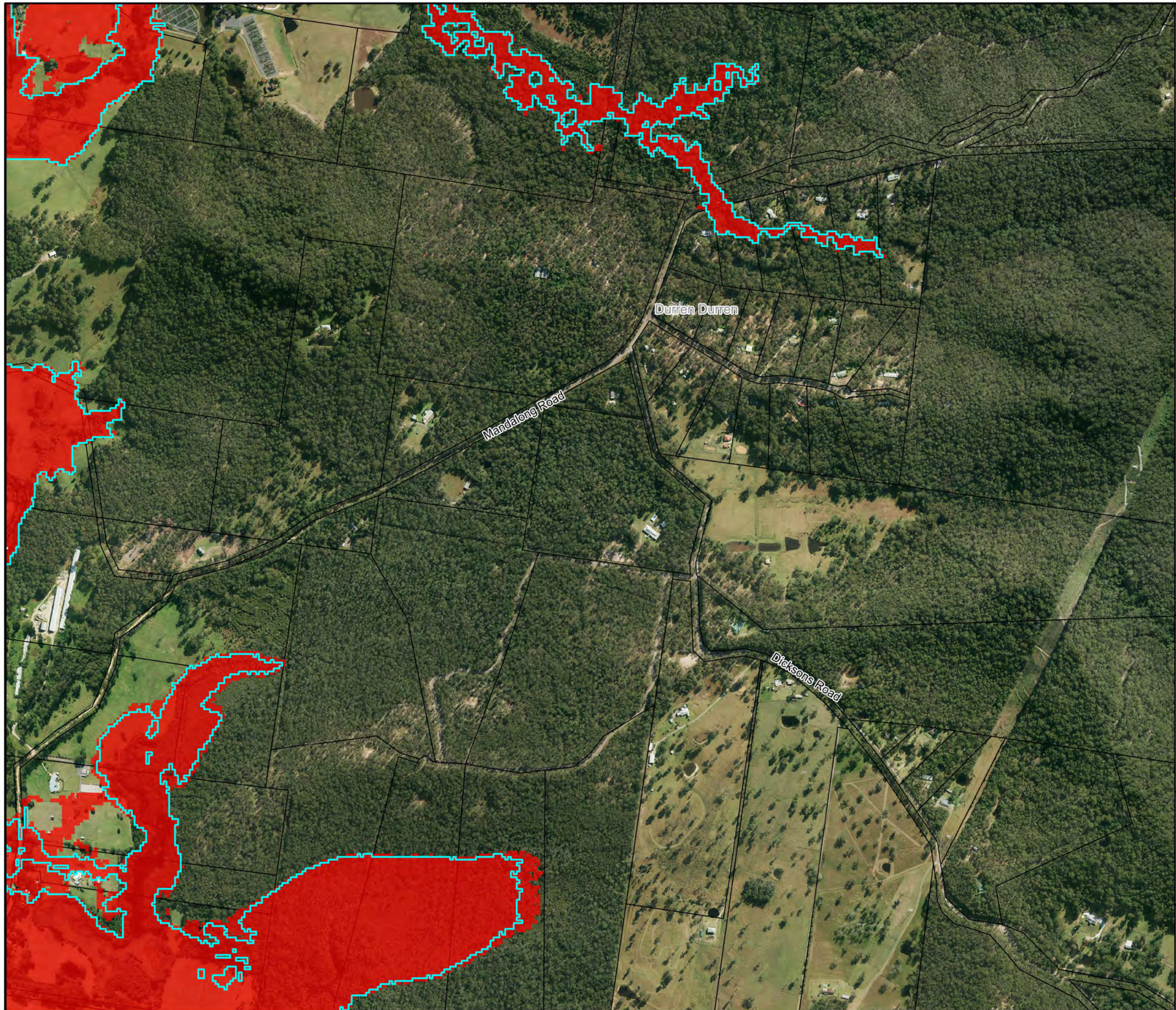


Figure A17.17:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

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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

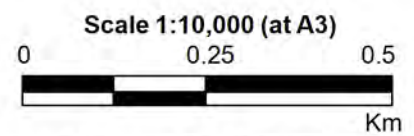
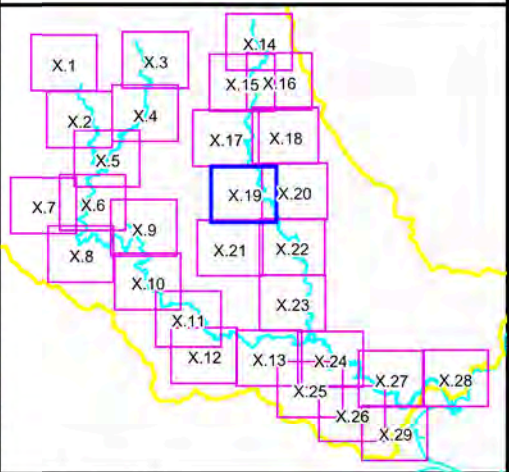




Figure A17.18:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level

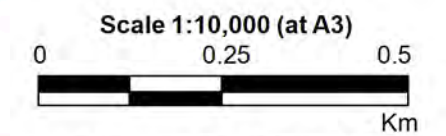
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LEGEND

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

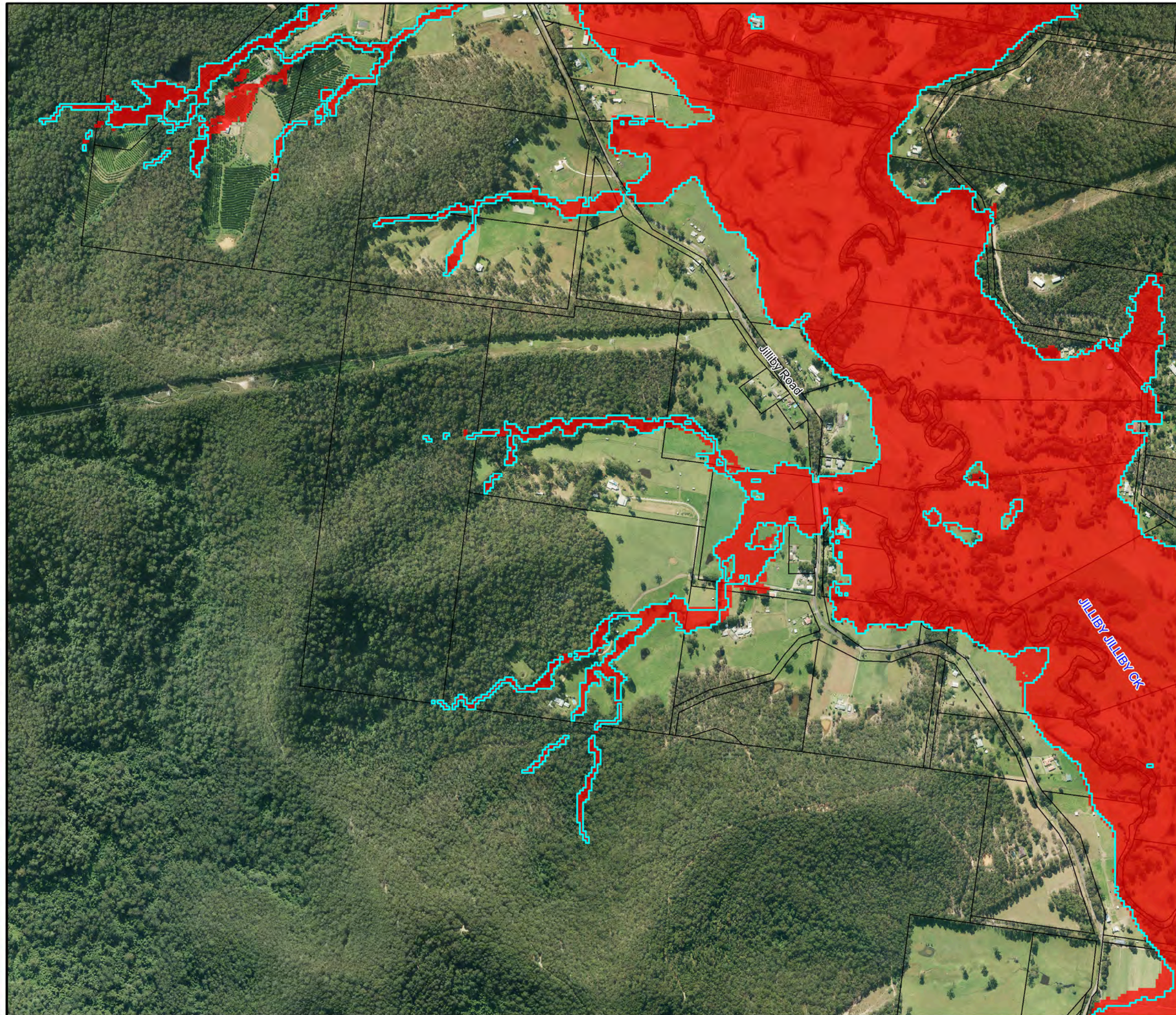
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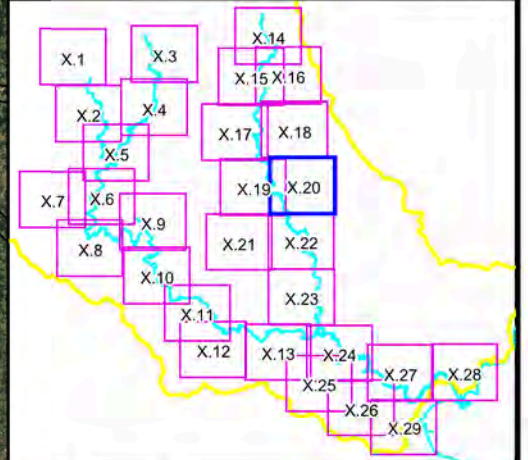
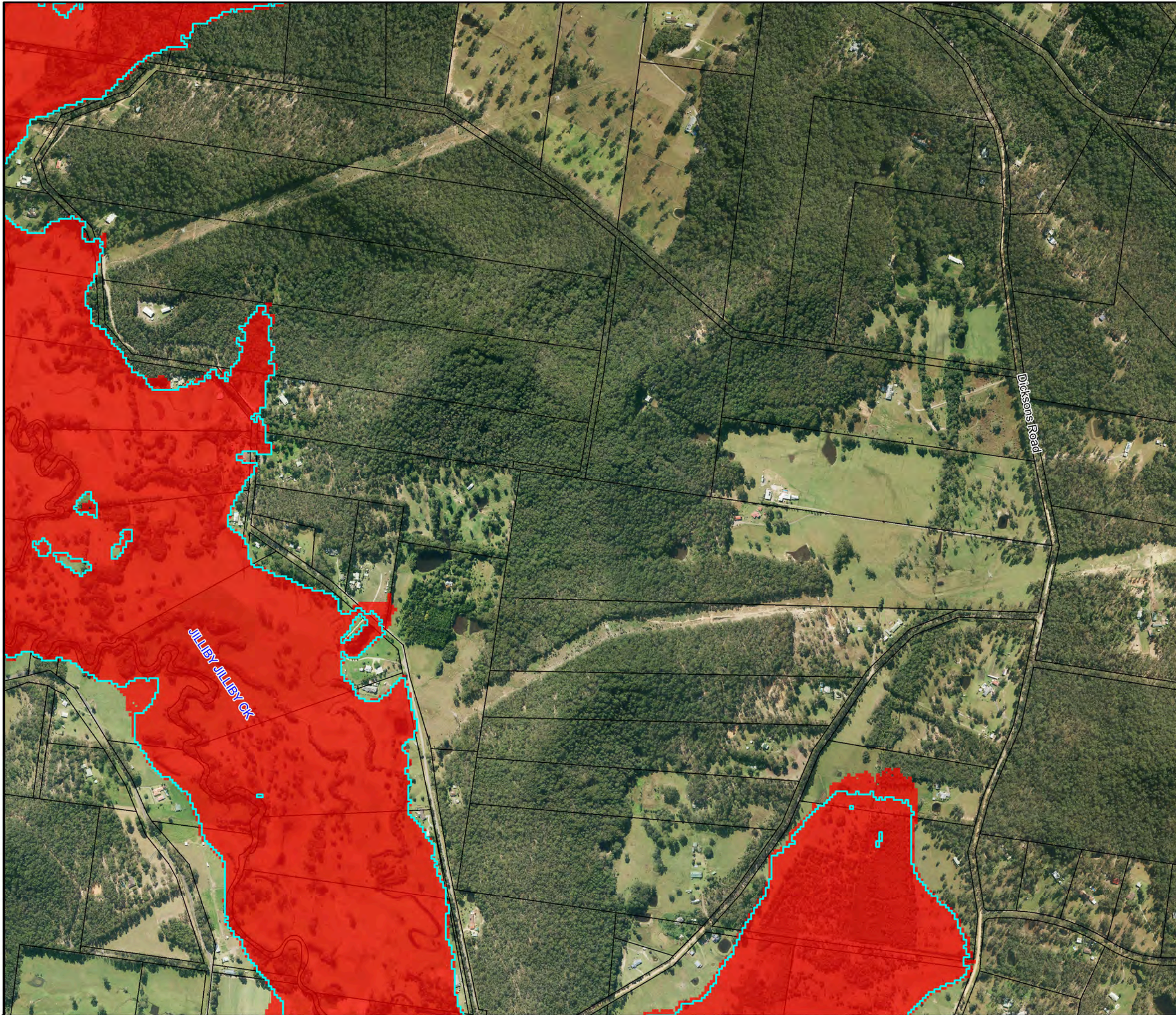


**Figure A17.19:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**



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

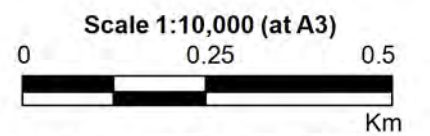





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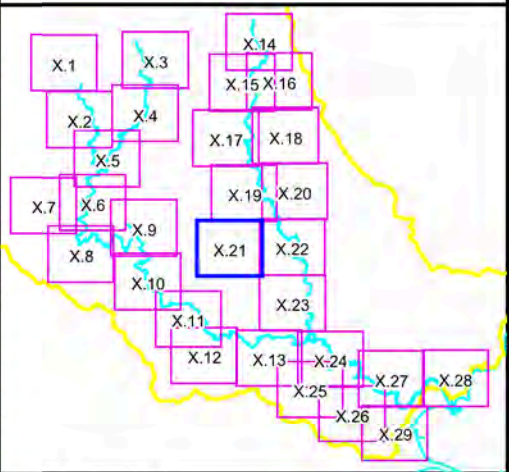
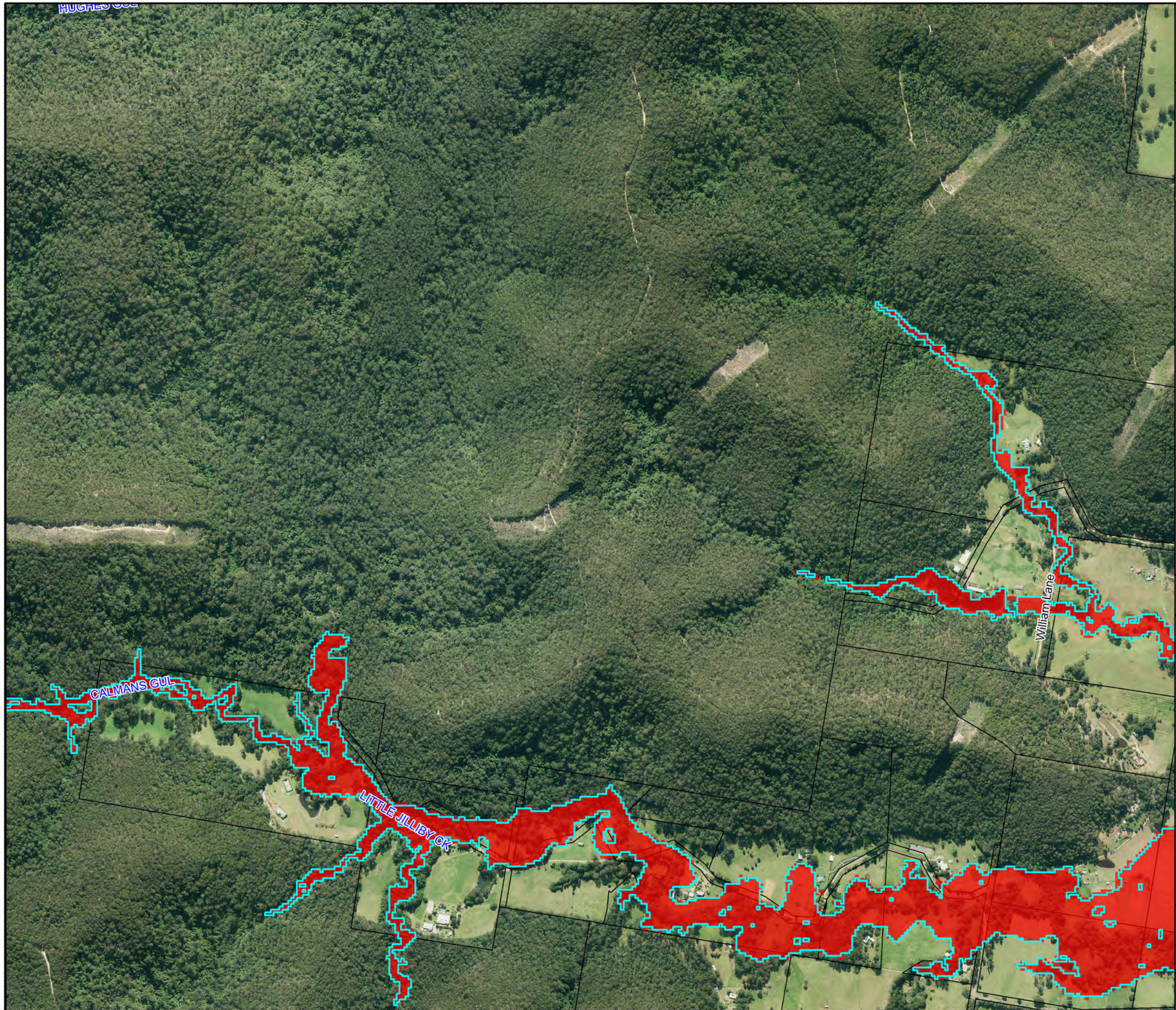
-  Existing 1% AEP Inundation Extent
-  1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014



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

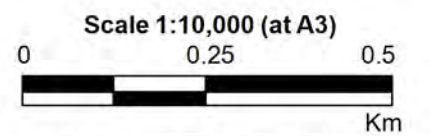
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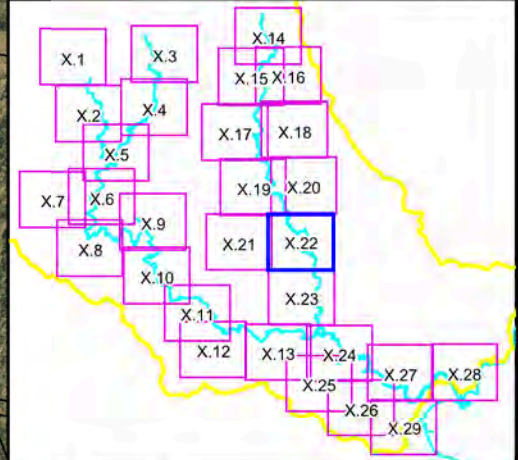
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014





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

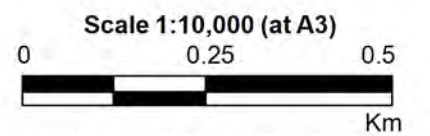
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LEGEND

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

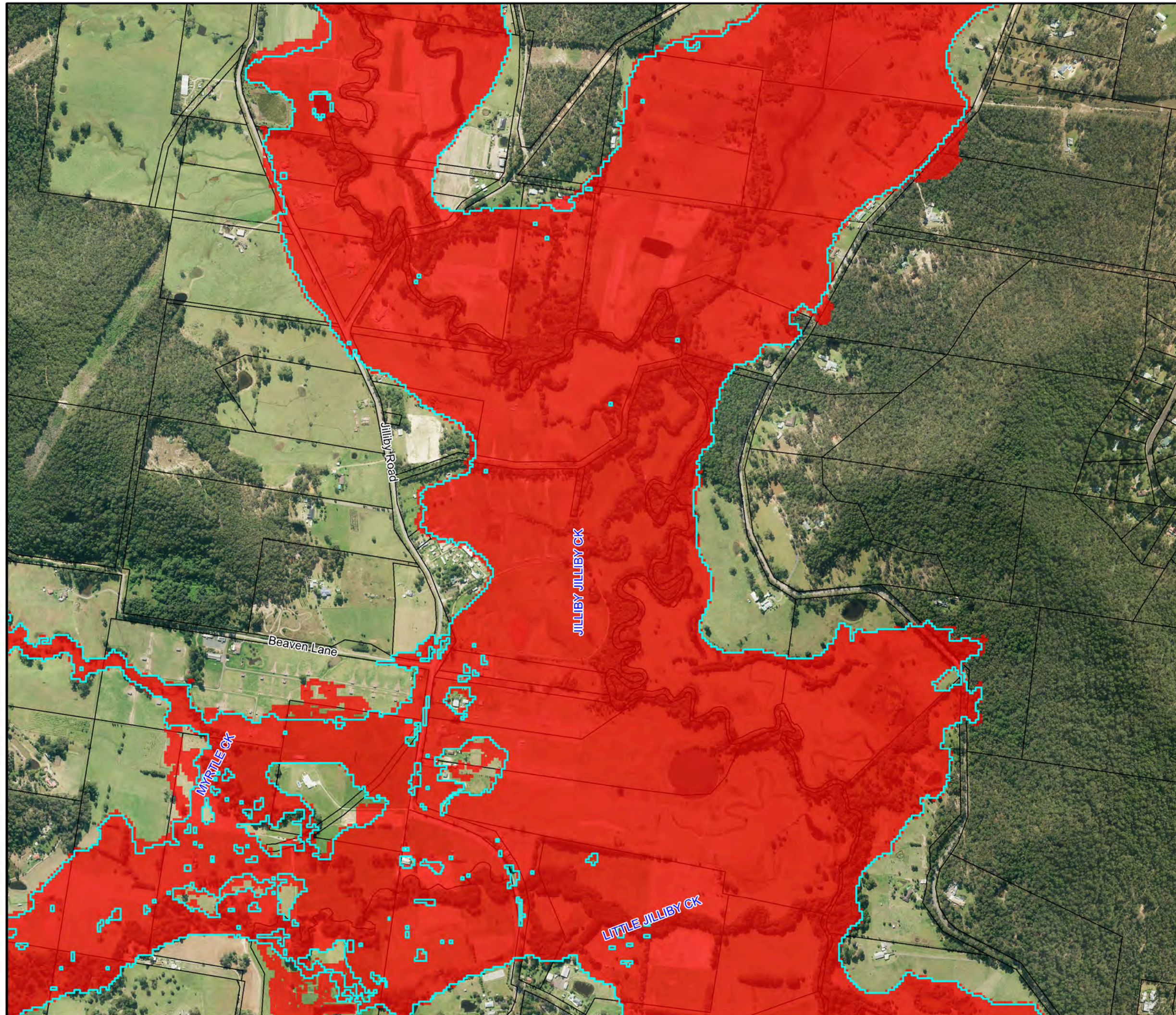
Notes:
Aerial photograph dated 2014

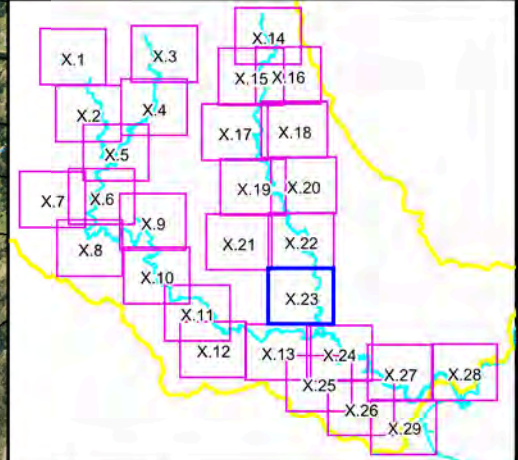


**Figure A17.22:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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

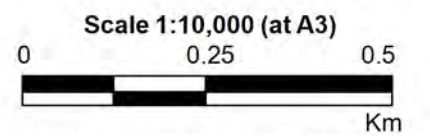




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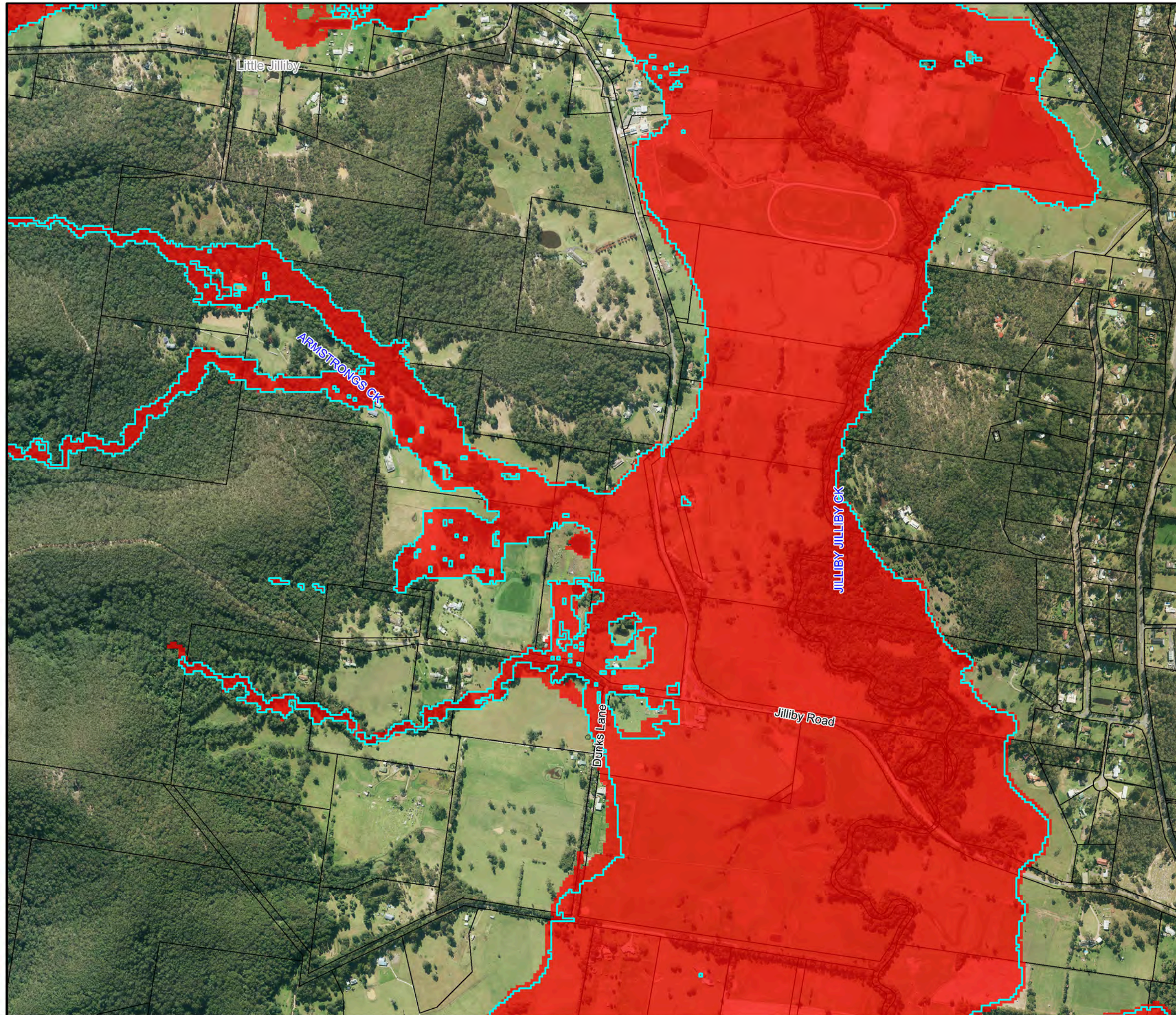
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

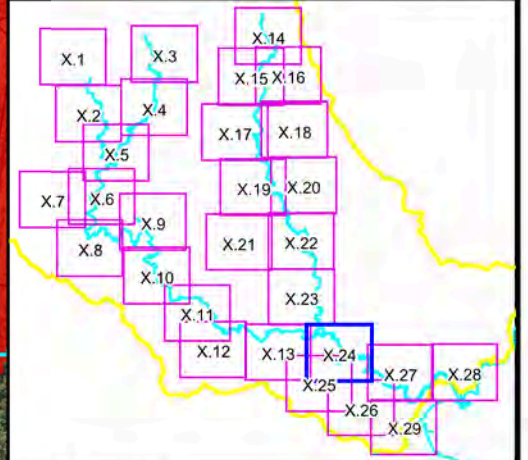
Notes:
Aerial photograph dated 2014



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

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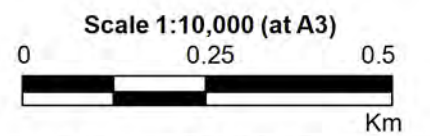




LEGEND

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

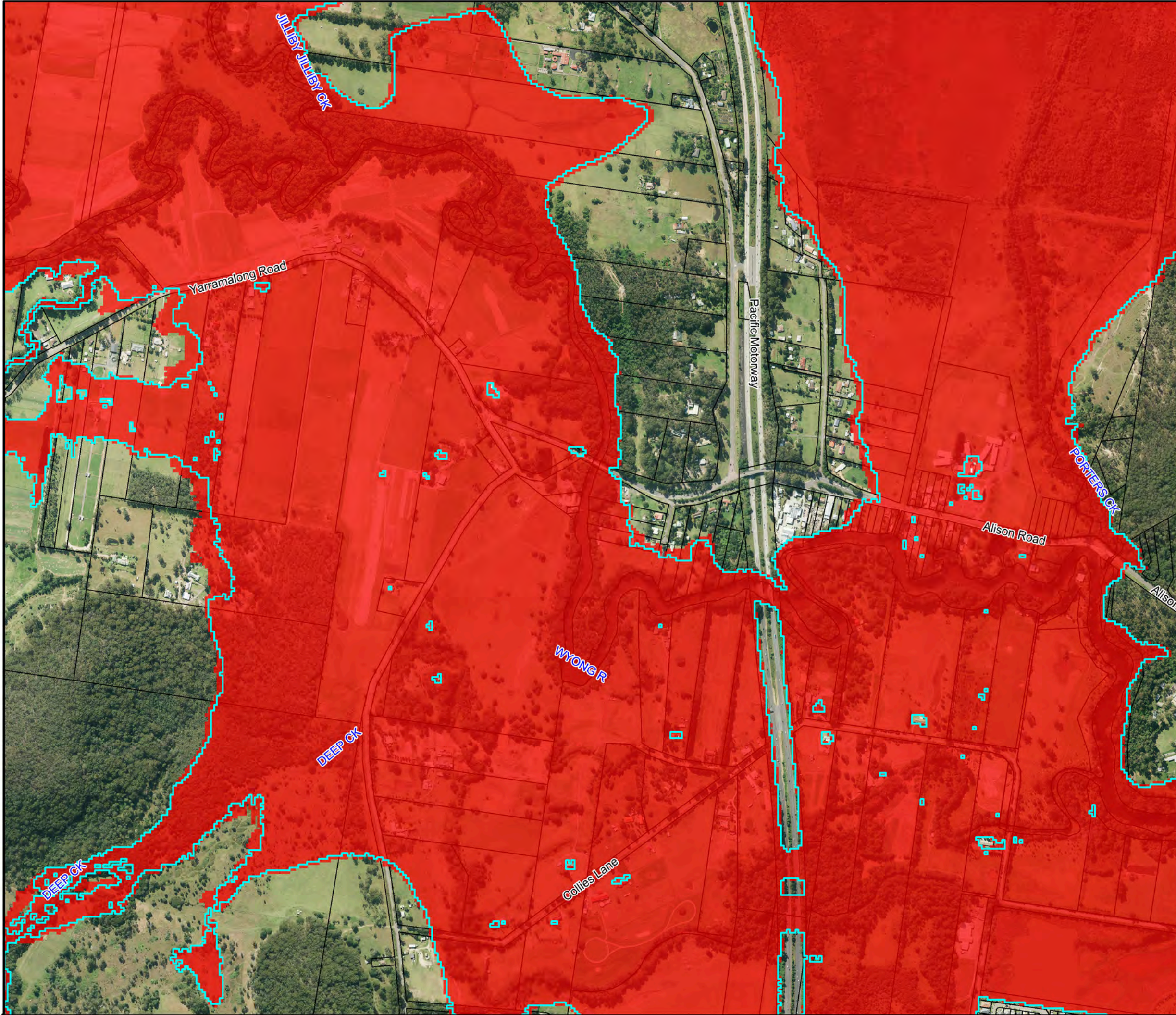
Notes:
Aerial photograph dated 2014

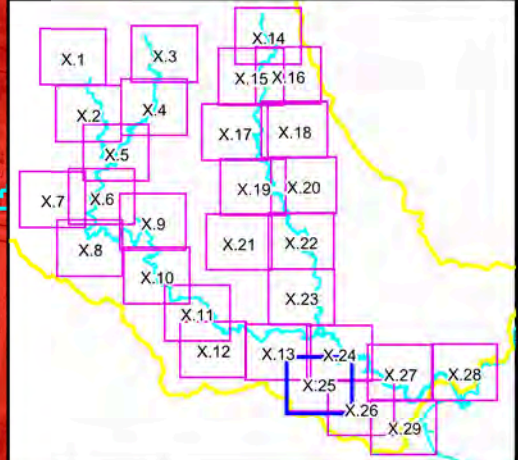


**Figure A17.24:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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File Name: Figure A17.24 CC30 1%AEP.wor

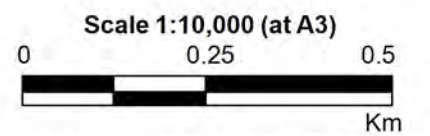




LEGEND

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

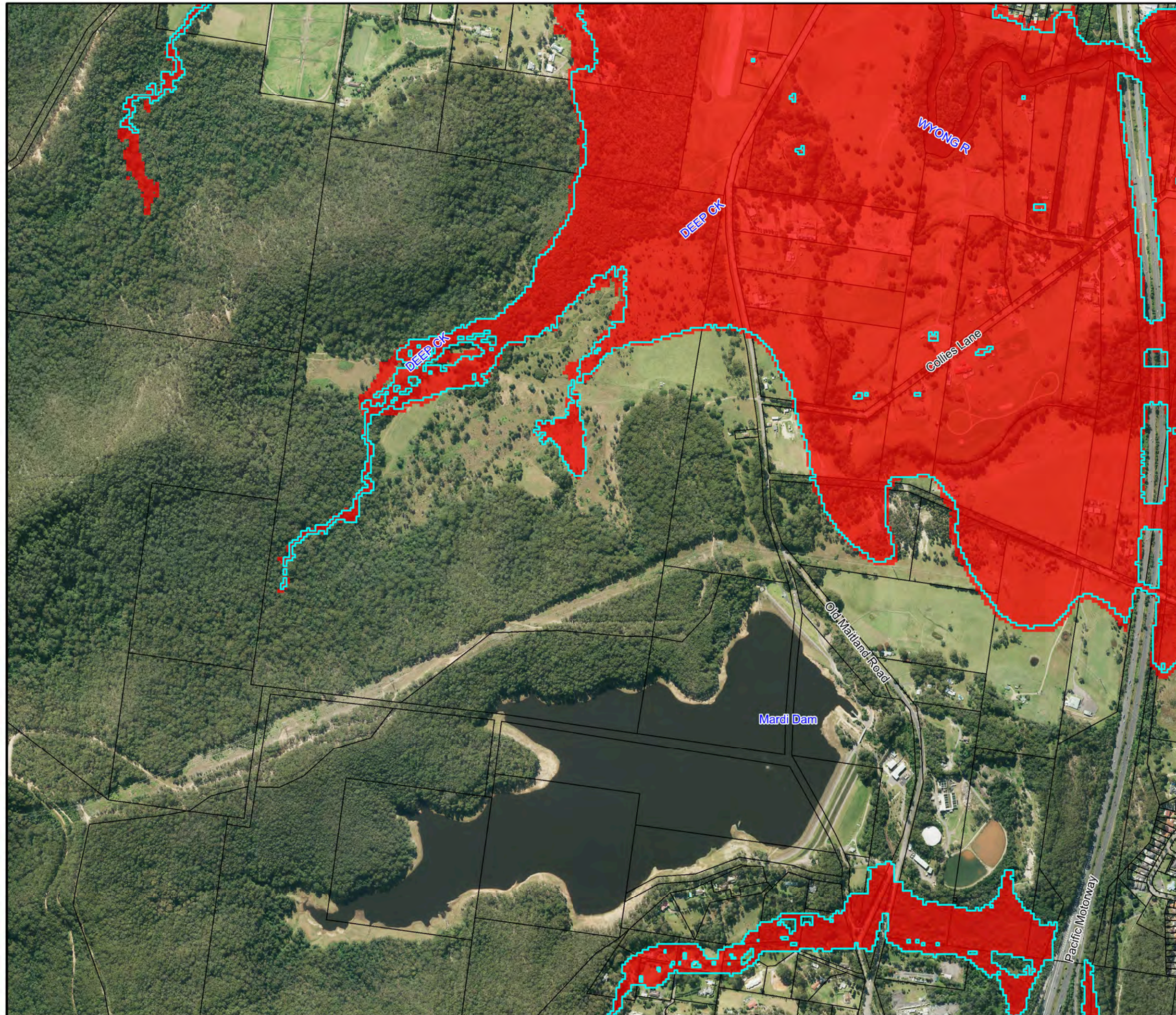
Notes:
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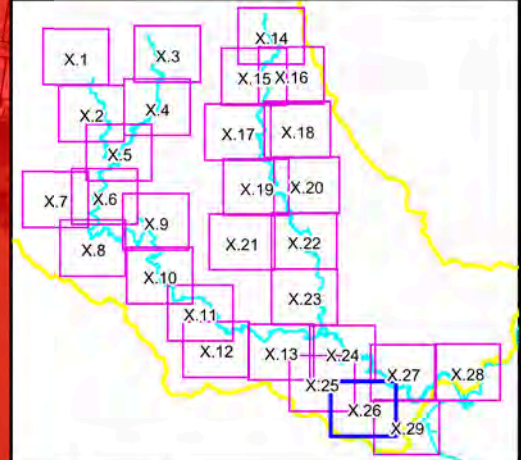


**Figure A17.25:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**



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File Name: Figure A17.25 CC30 1%AEP.wor

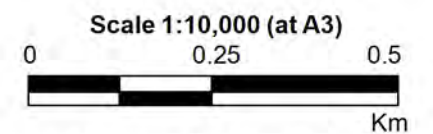




LEGEND

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

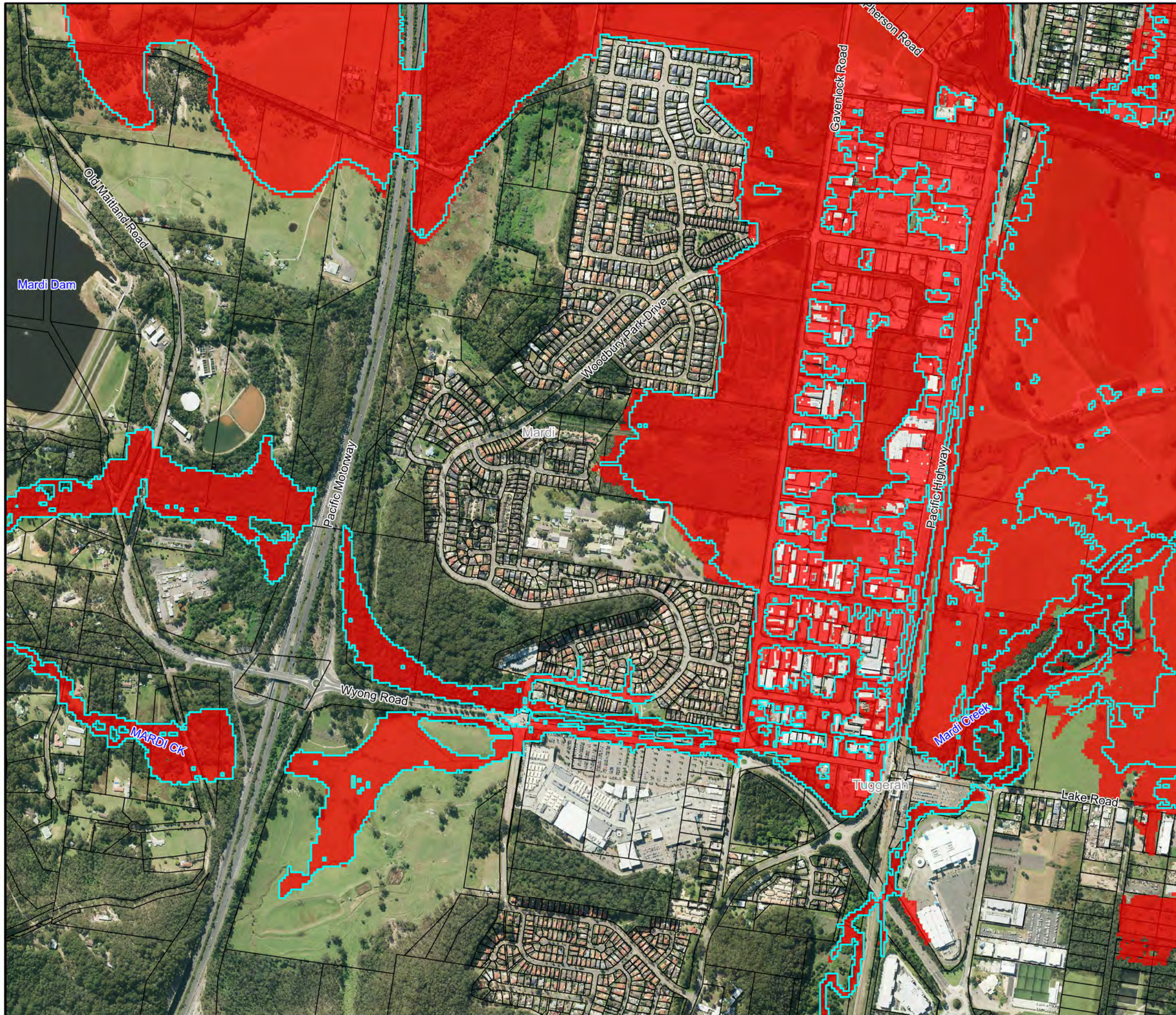
Notes:
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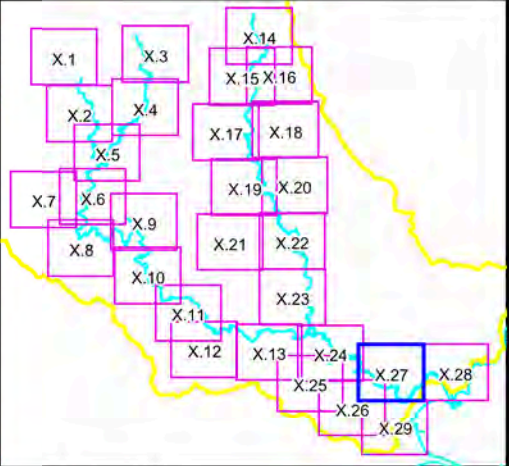
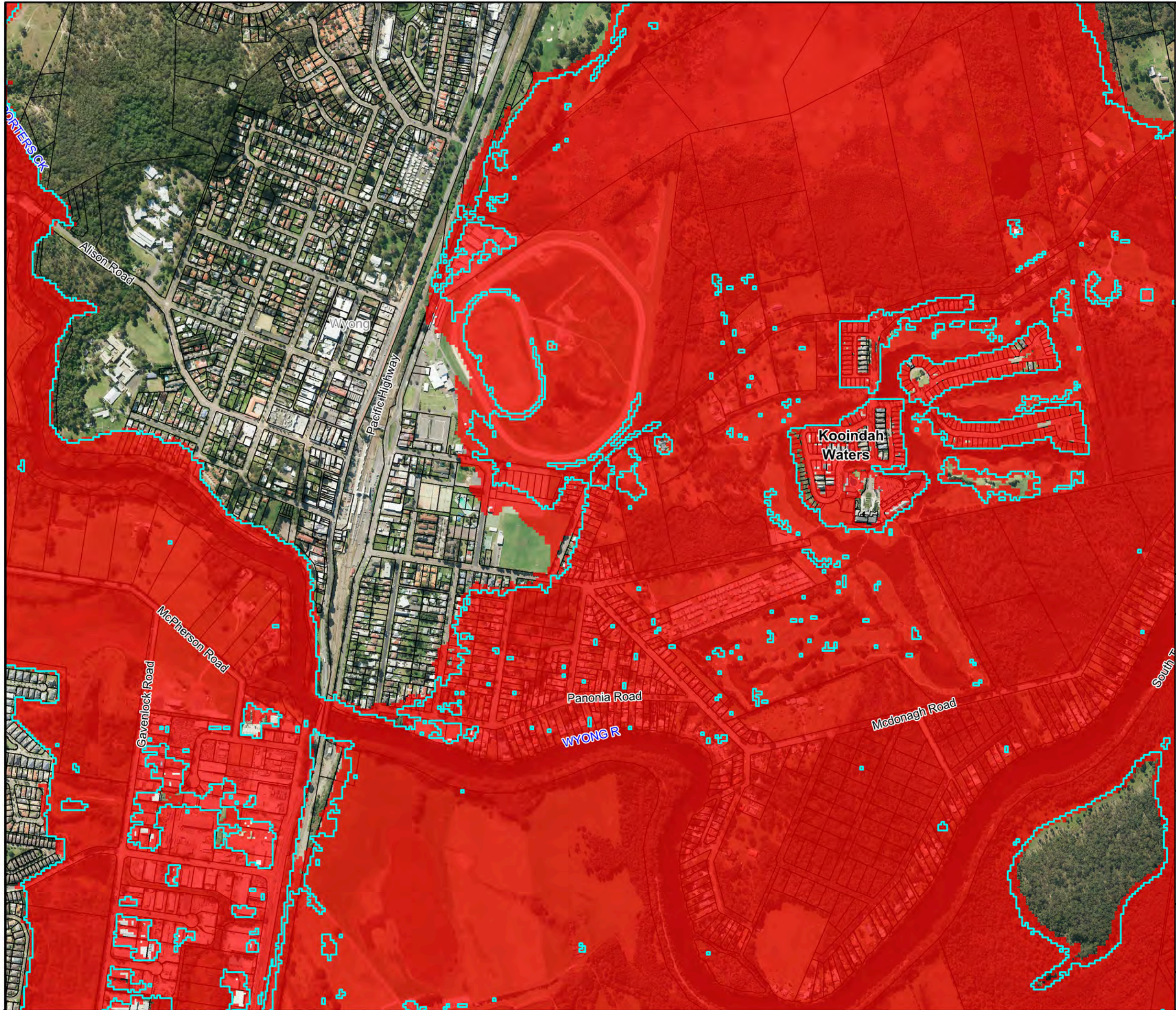


**Figure A17.26:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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File Name: Figure A17.26 CC30 1%AEP.wor

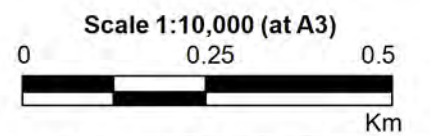




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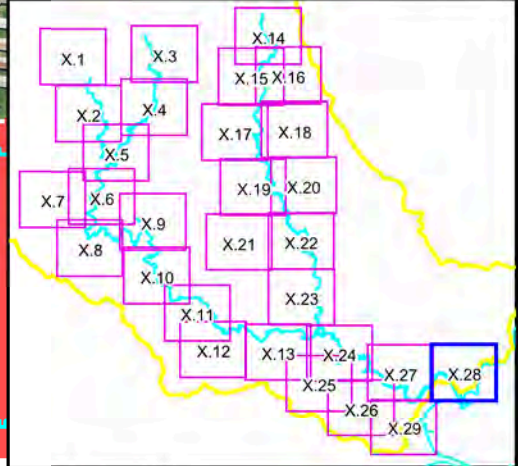
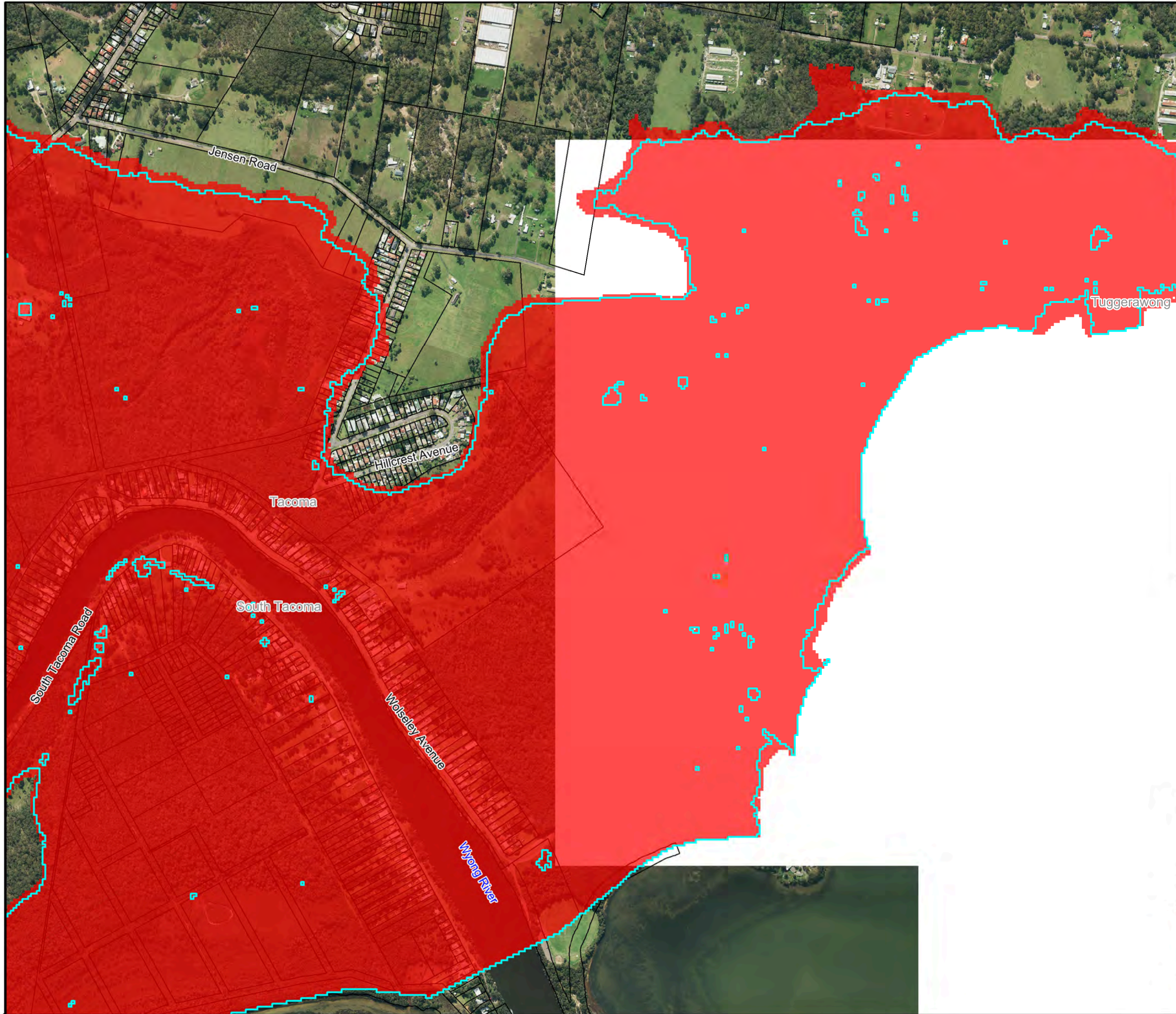
- Existing 1% AEP Inundation Extent
- 1% AEP Inundation Extent with 30% Increase in Rainfall and 0.9m Increase in Tuggerah Lake Level

Notes:
Aerial photograph dated 2014





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

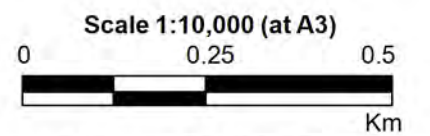
Prepared By:
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LEGEND

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

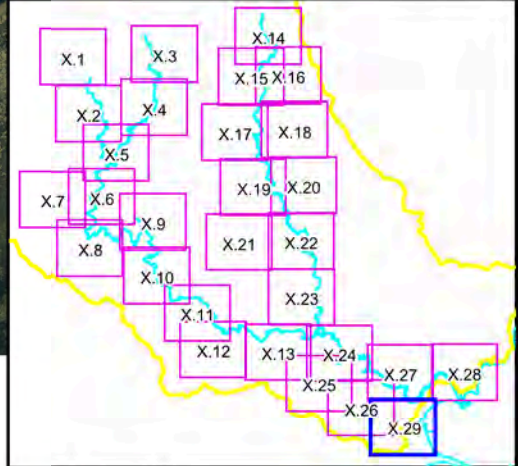
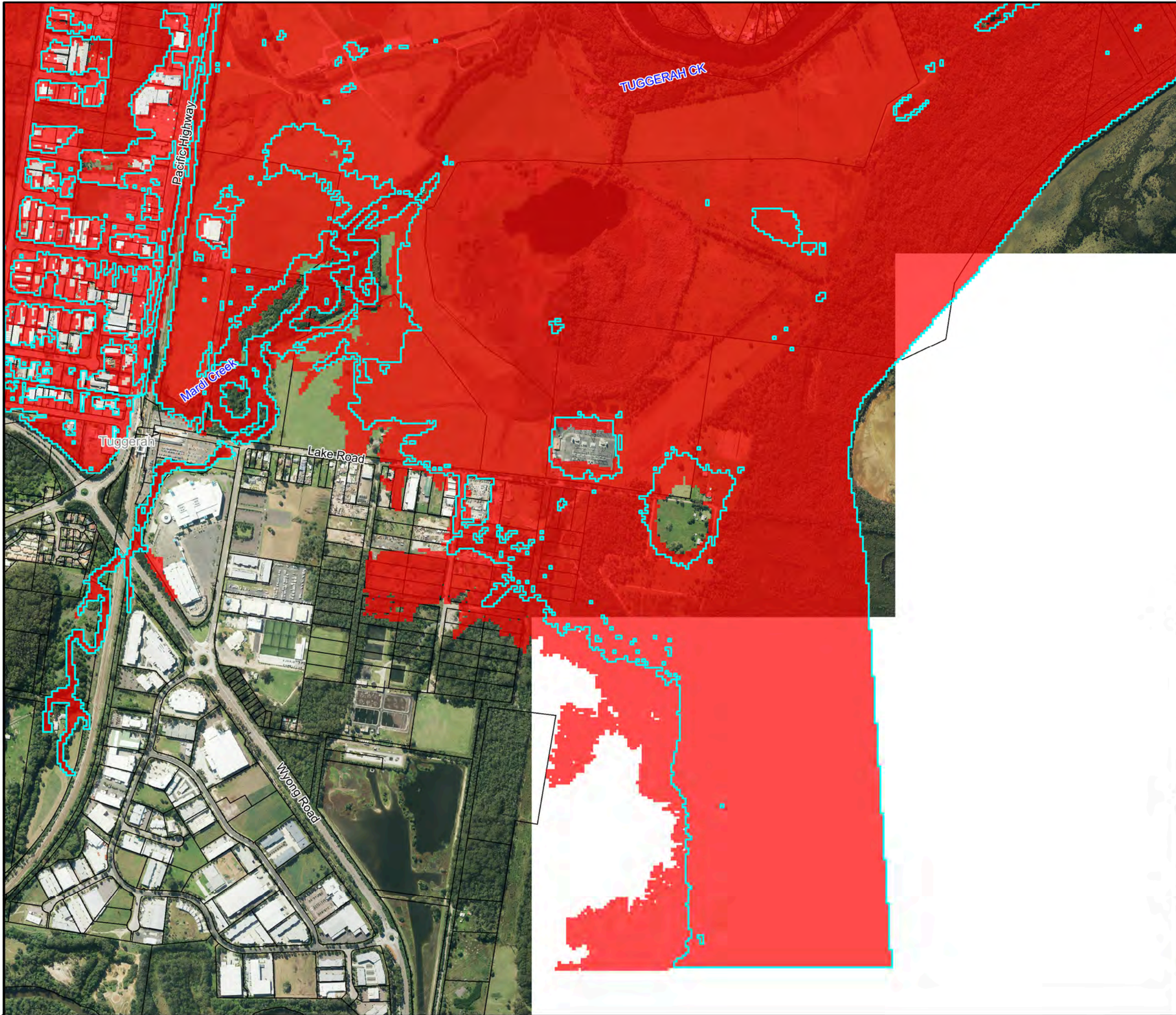
Notes:
Aerial photograph dated 2014





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

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Sydney, NSW 2000

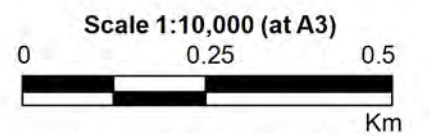
File Name: Figure A17.28 CC30 1% AEP.wor




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



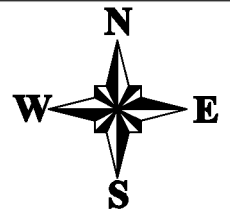
**Figure A17.29:
Peak 1% AEP Flood
Extent 30% increase in
Rainfall & 0.9m Increase
in Tuggerah Lake Level**

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

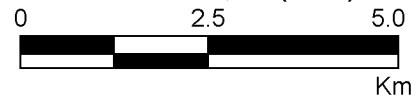


LEGEND

- ▲ Rainfall Gauge
- ▼ Water Level Recorder
- ▭ Catchment Boundary
- ▭ PMF Extent



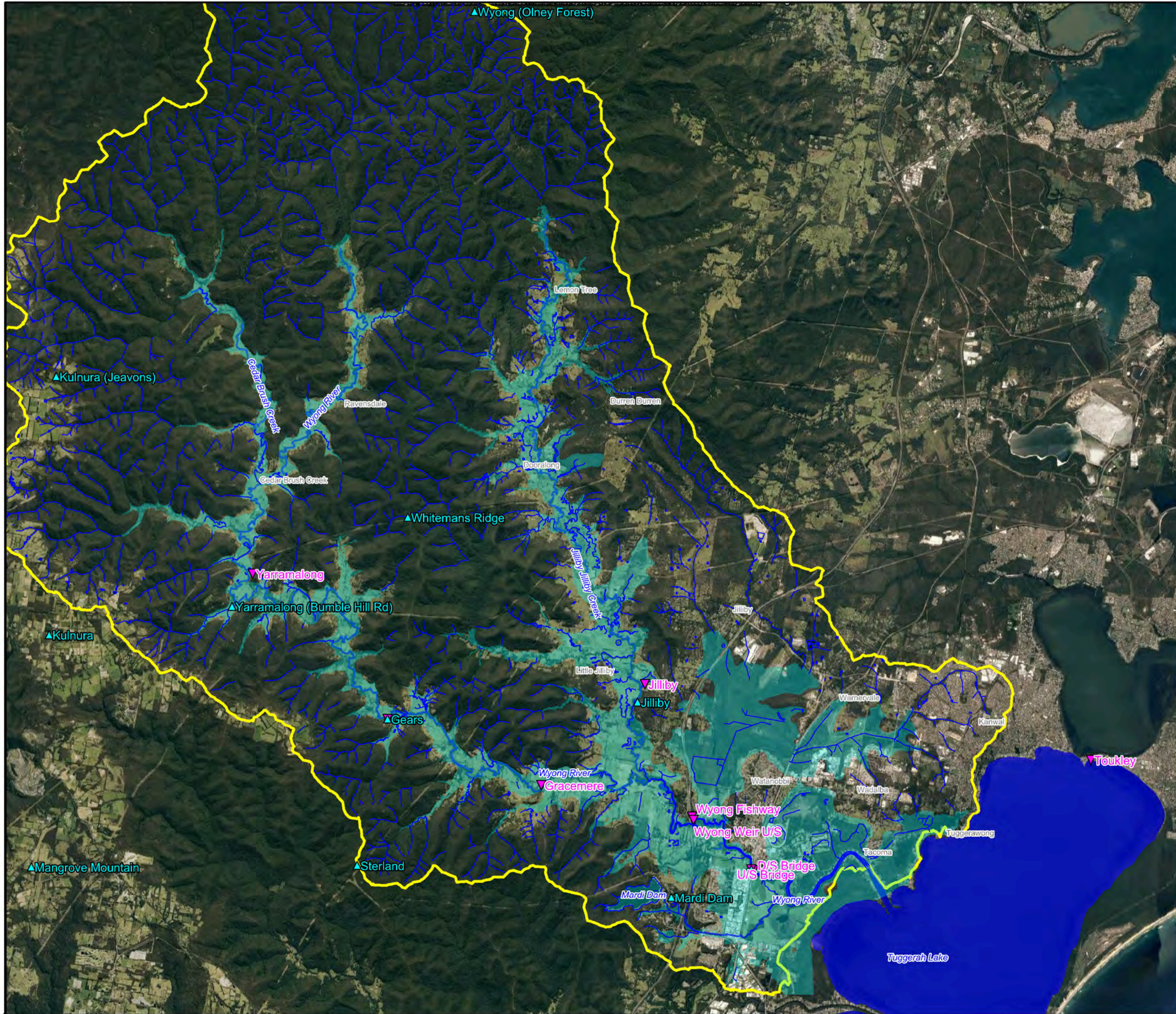
Scale 1:100,000 (at A3)



**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

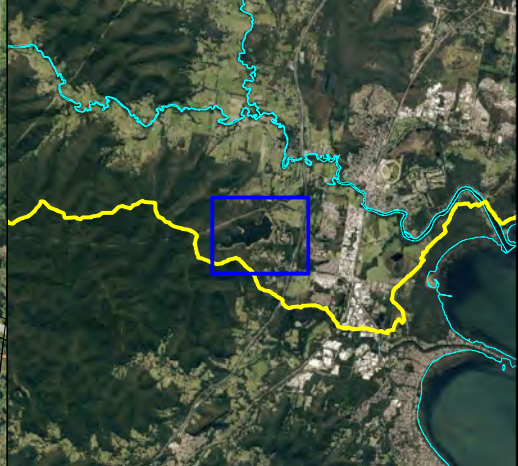
File Name: Hydrological infrastructure used for Wyong River flood warning system.wor



MAP SET B

MARDI CREEK DETENTION BASIN

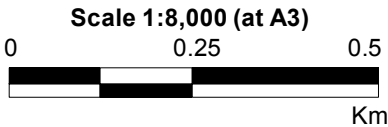
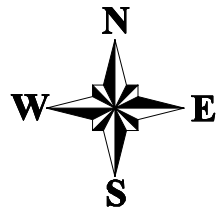




LEGEND

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

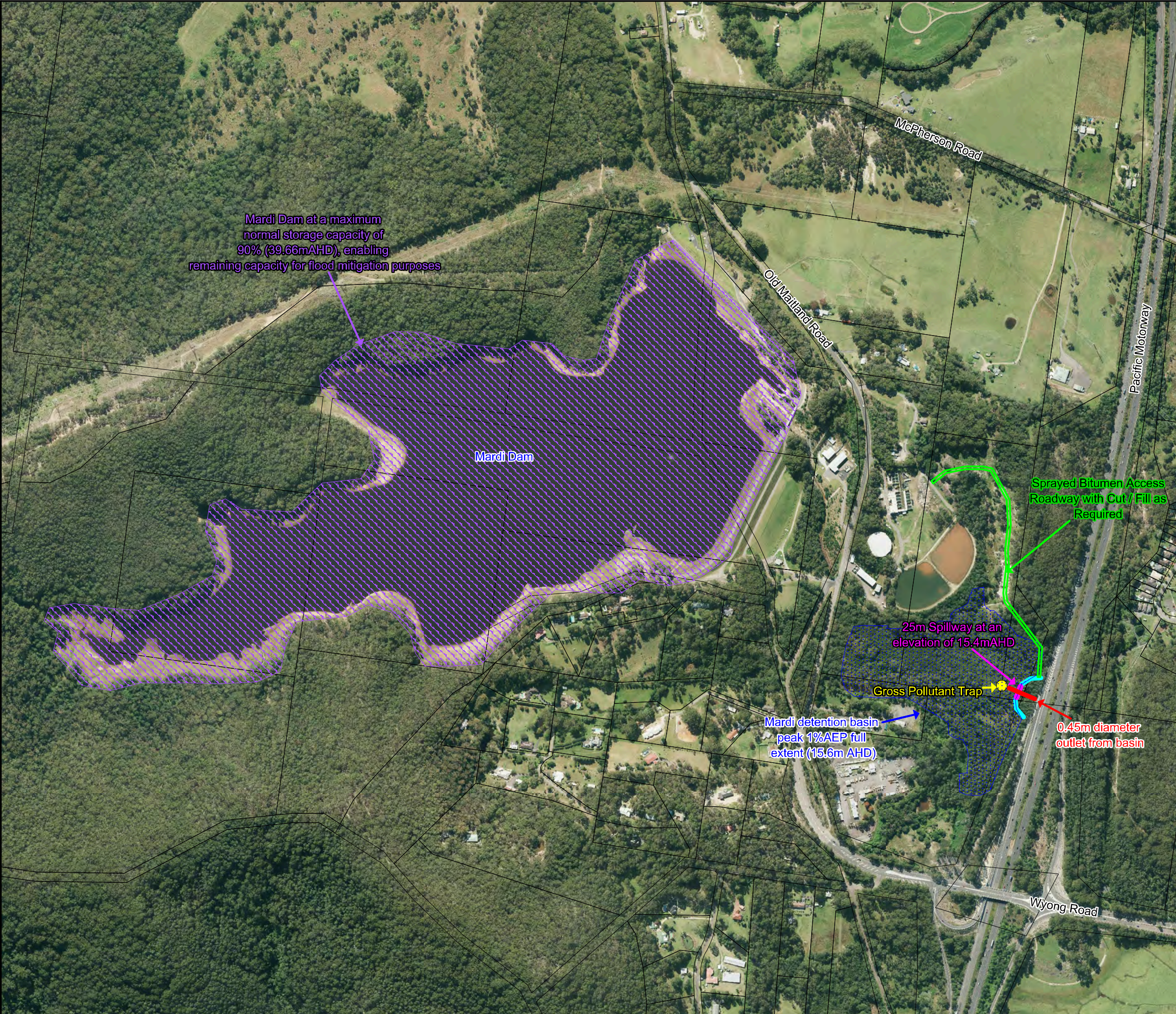
Notes:

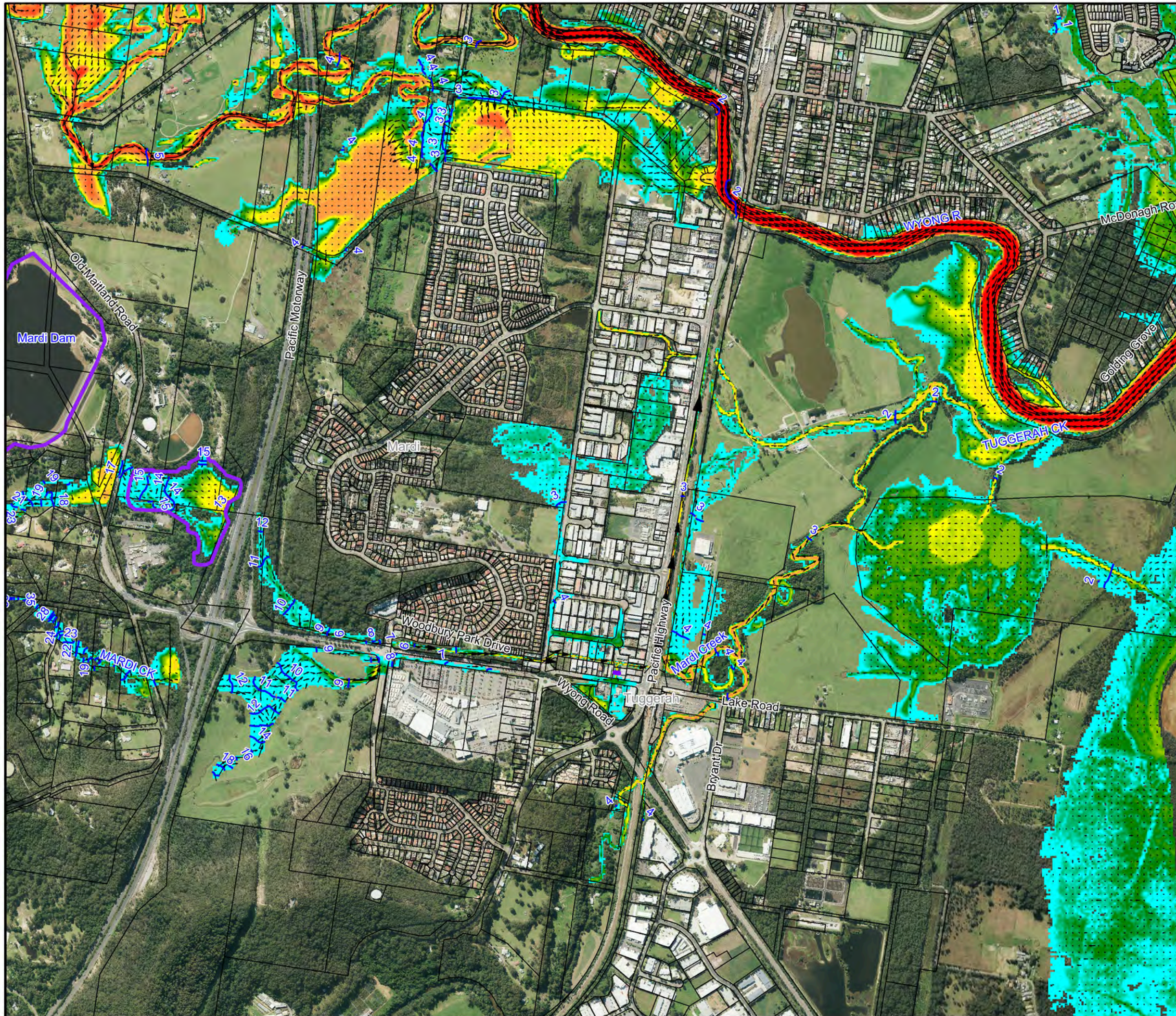
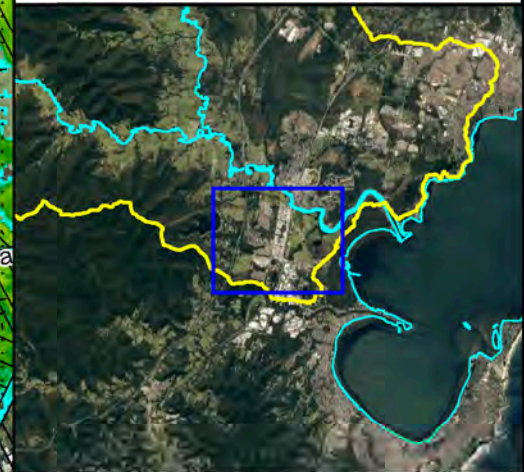


**Figure B1:
Conceptual Layout
for Mardi Creek
Detention Basin**

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

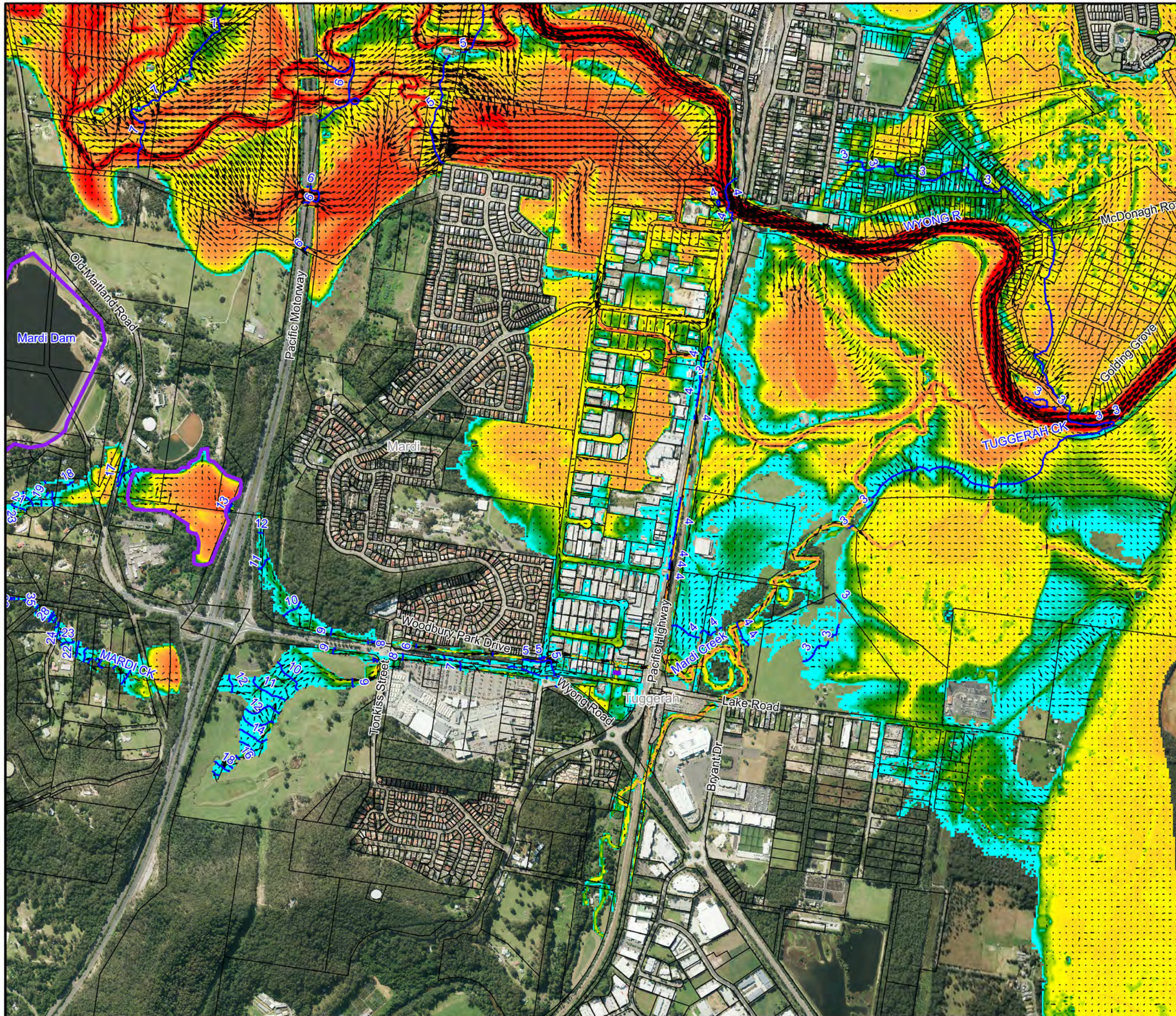
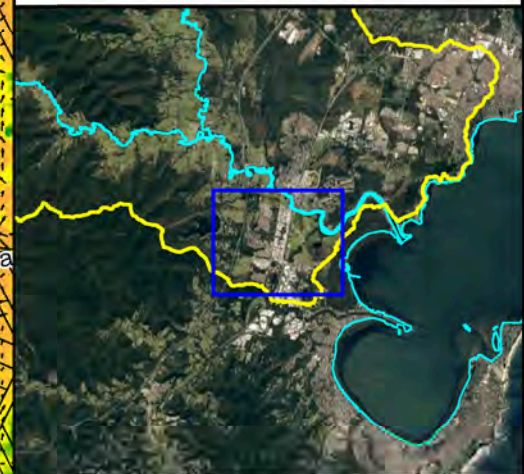
- Peak Water Level Contour (mAHD)
- Mardi Ck Detention Basin Location

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



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:

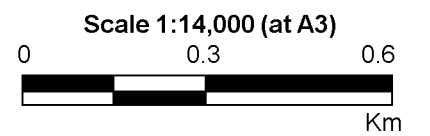
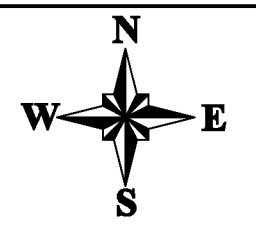


Figure B4:
Flood Level Difference Mapping for the 20% AEP Flood with Mardi Creek Detention Basin

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



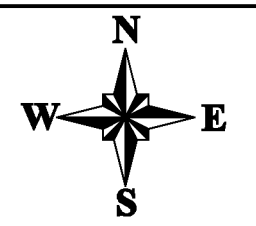


LEGEND

Flood Level Difference (m)

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

Notes:



Scale 1:14,000 (at A3)
0.3 0.6
Km

**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

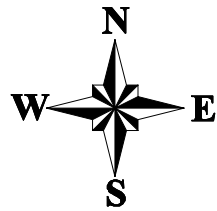




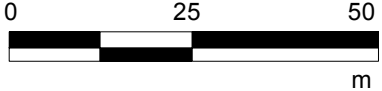
LEGEND

- Gross Pollutant Trap
- Culvert
- Levee Wall

Notes:



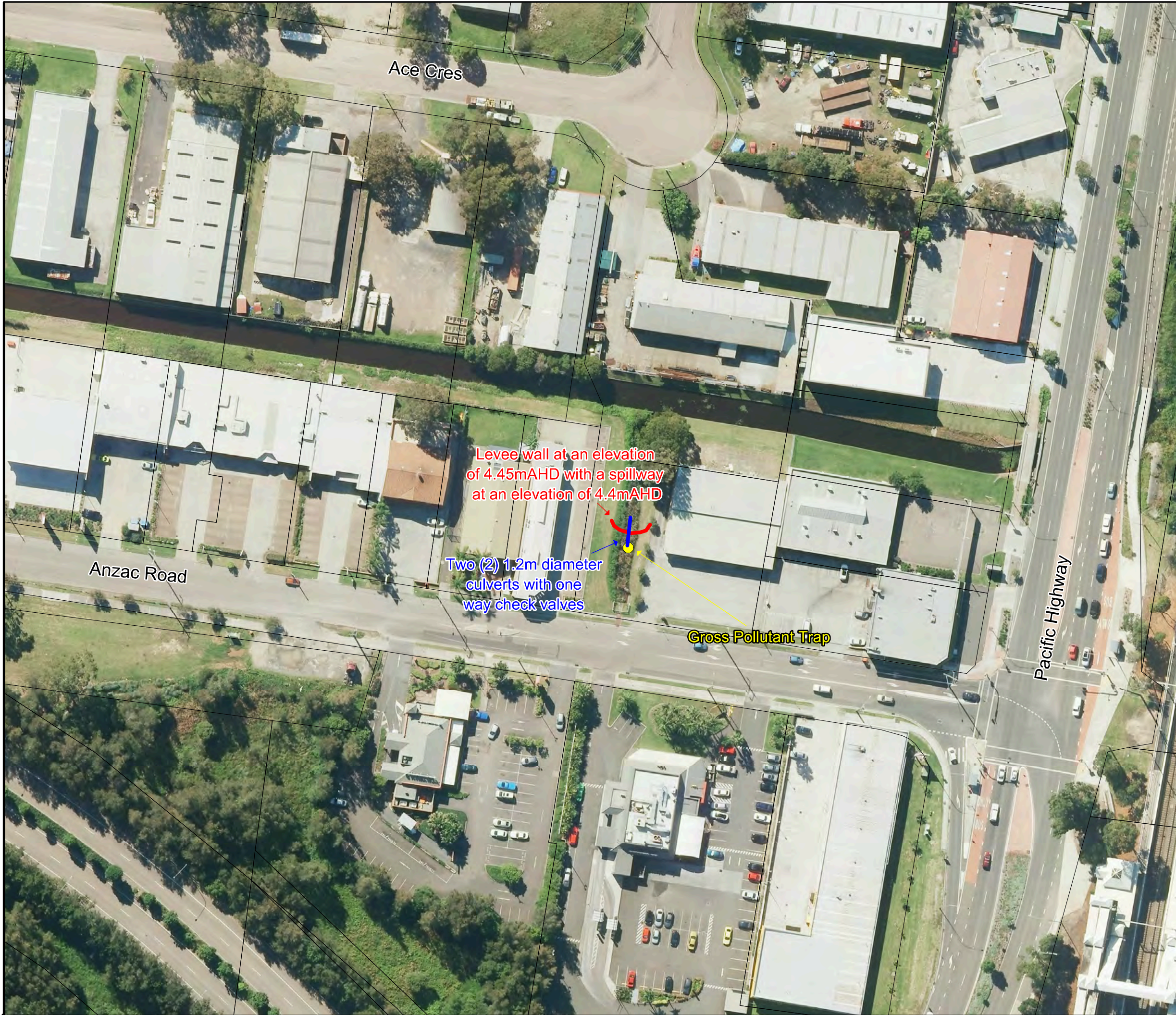
Scale 1:1,000 (at A3)



**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)
Cyan: <= 0.2	Short arrow: 0.25 m/s
Green: 0.5	Medium arrow: 0.5 m/s
Yellow: 1.0	Long arrow: 1 m/s
Orange: 2.0	
Red: 3.0	

Notes:

Scale 1:4,000 (at A3)

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



LEGEND

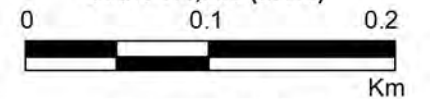
- Peak Water Level Contour (mAHD)
- Anzac Rd Levee Location

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)

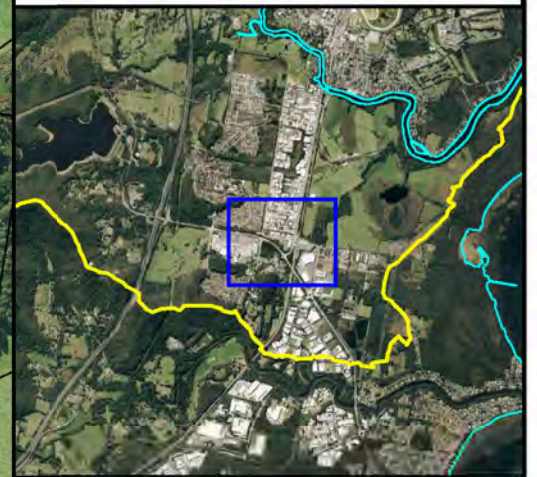


**Figure C3:
Peak Floodwater Depths,
Velocities & Levels for
the 1% AEP Flood with
Anzac Road Levee**

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

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





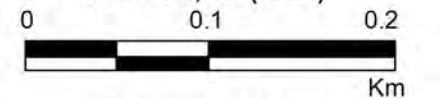
LEGEND

Flood Level Difference (m)	
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
Anzac Rd Levee Location	

Notes:



Scale 1:4,000 (at A3)



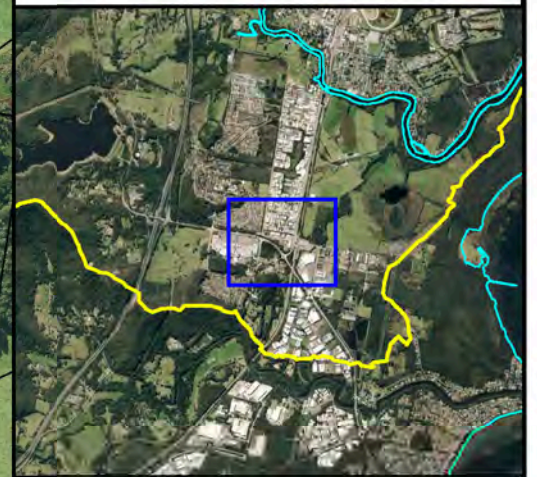
**Figure C4:
Flood Level Difference
Mapping for the 20% AEP
Flood with Anzac
Road Levee**

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





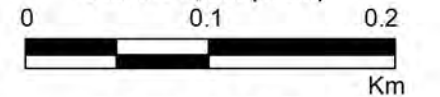
LEGEND

Flood Level Difference (m)	
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 line	Anzac Rd Levee Location

Notes:



Scale 1:4,000 (at A3)

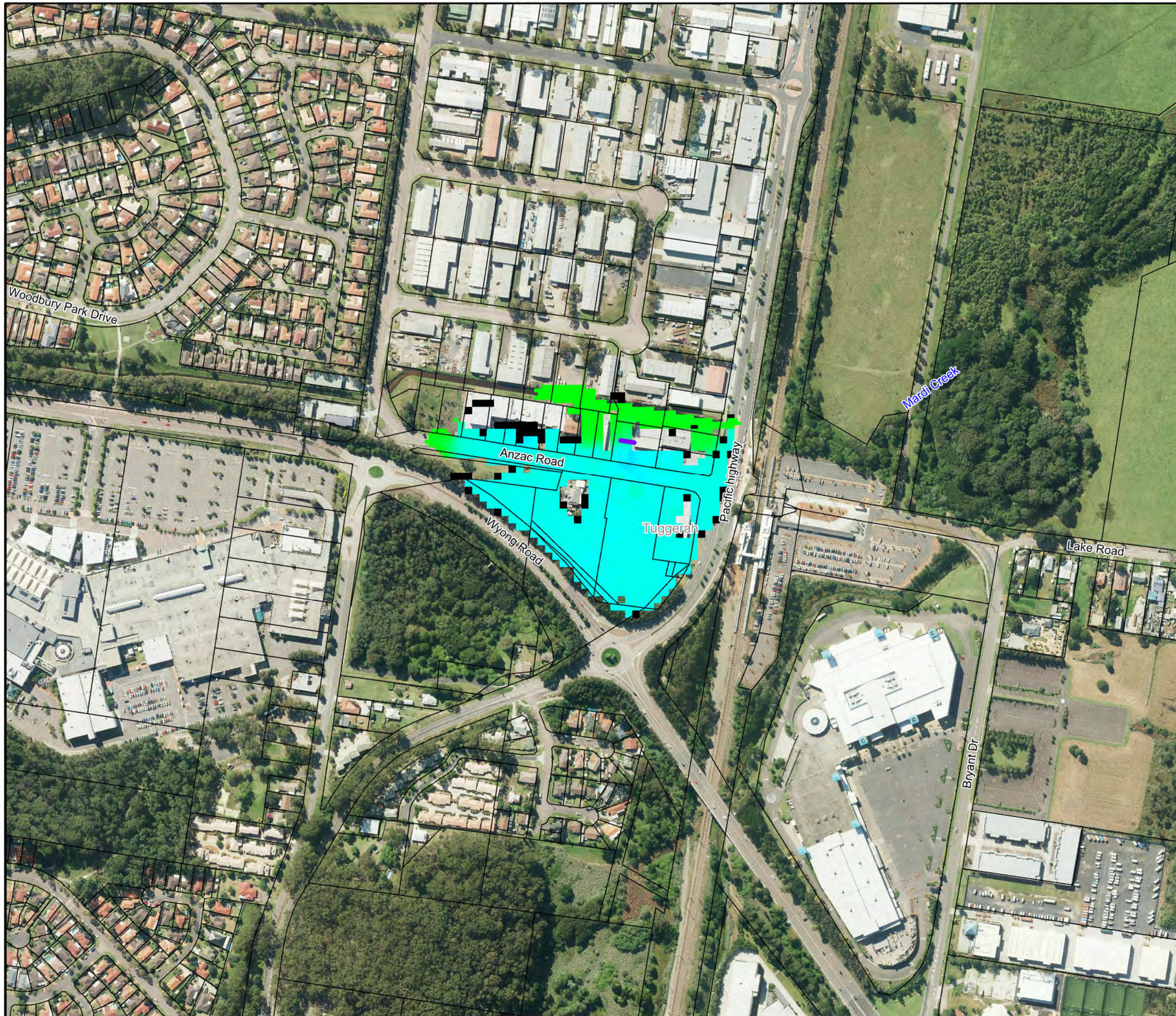


**Figure C5:
Flood Level Difference
Mapping for the 1% AEP
Flood with Anzac
Road Levee**

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

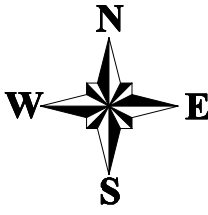




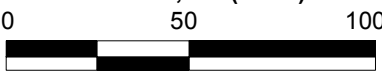
LEGEND

-  Culvert
-  Relief Floodway

Notes:

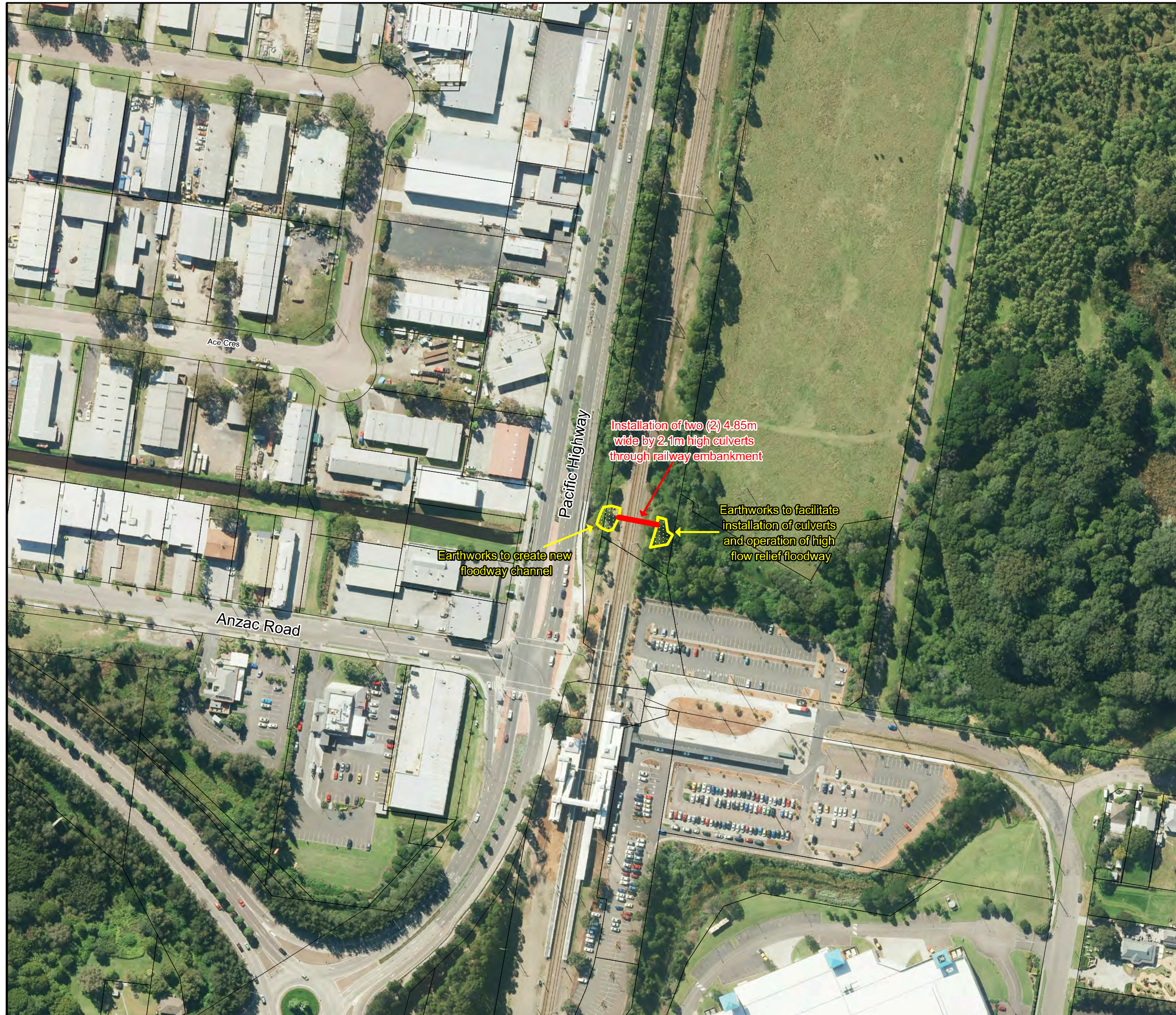


Scale 1:2,000 (at A3)



0 50 100
m

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





LEGEND

— Peak Water Level Contour (mAHD)

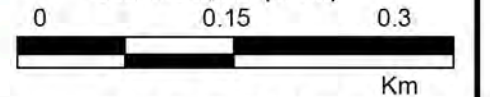
— Relief Floodway Location

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





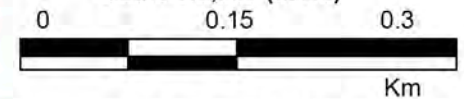
LEGEND

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

Notes:



Scale 1:5,000 (at A3)

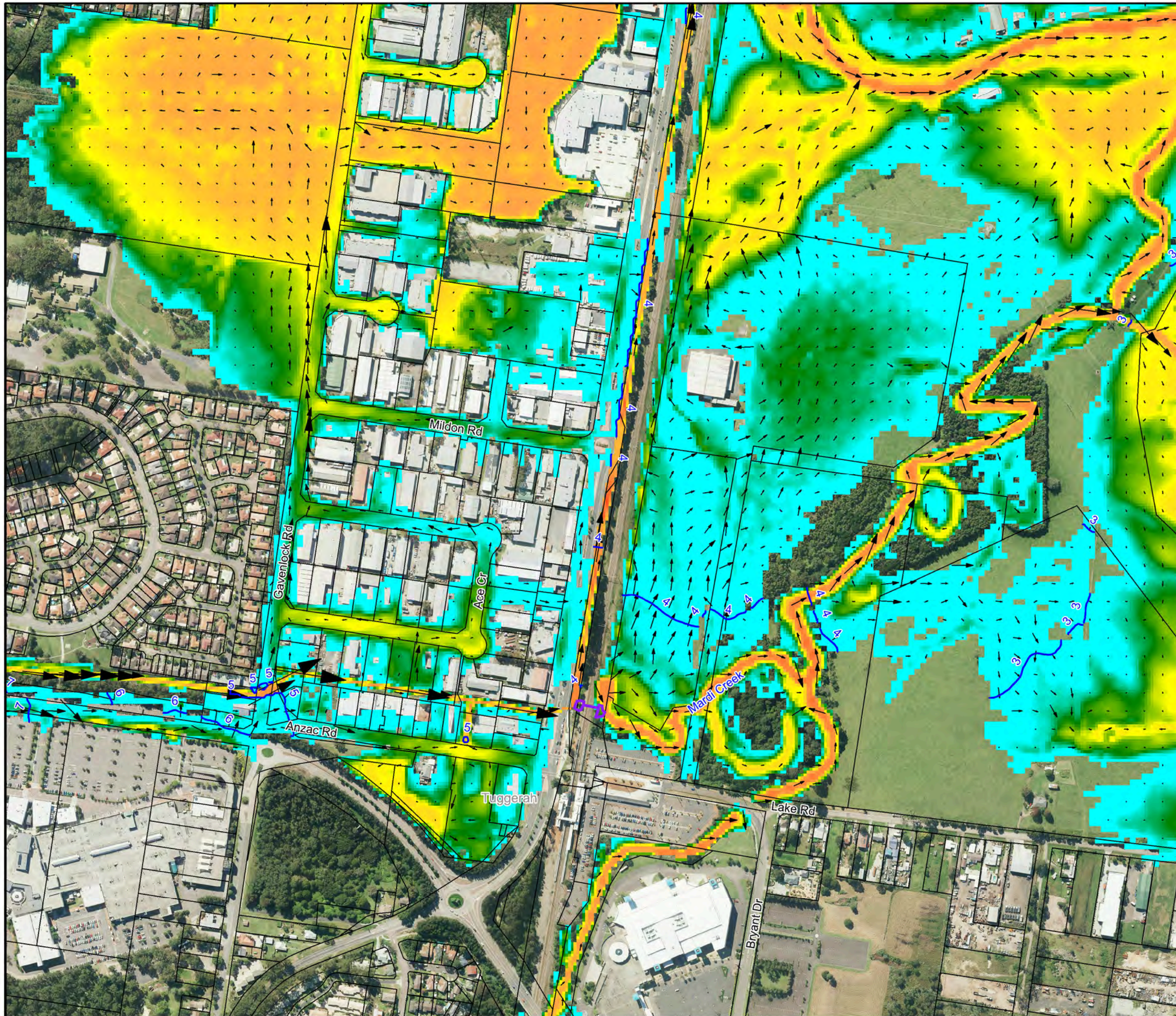


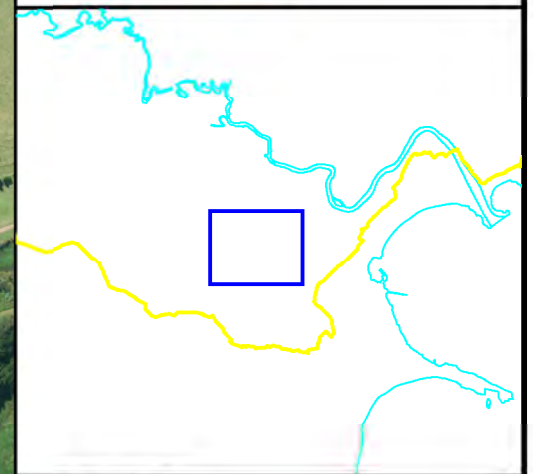
**Figure D3:
Peak Floodwater Depths,
Velocities & Levels for the
1% AEP Flood with Mardi
Creek Floodway**

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)

0.50
0.20
0.10
0.02
-0.02
-0.10
-0.20
-0.50
Previously wet now dry
Previously dry now wet
Relief Floodway

Notes:

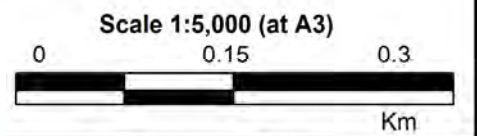
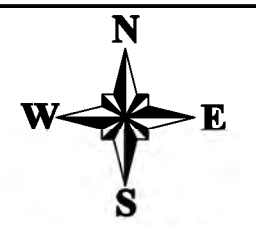


Figure D4:
Flood Level Difference
Mapping for the 20% AEP
Flood with Mardi Creek
Floodway

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

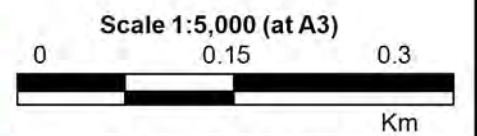




LEGEND

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

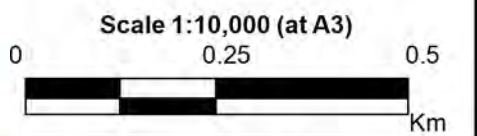





LEGEND

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

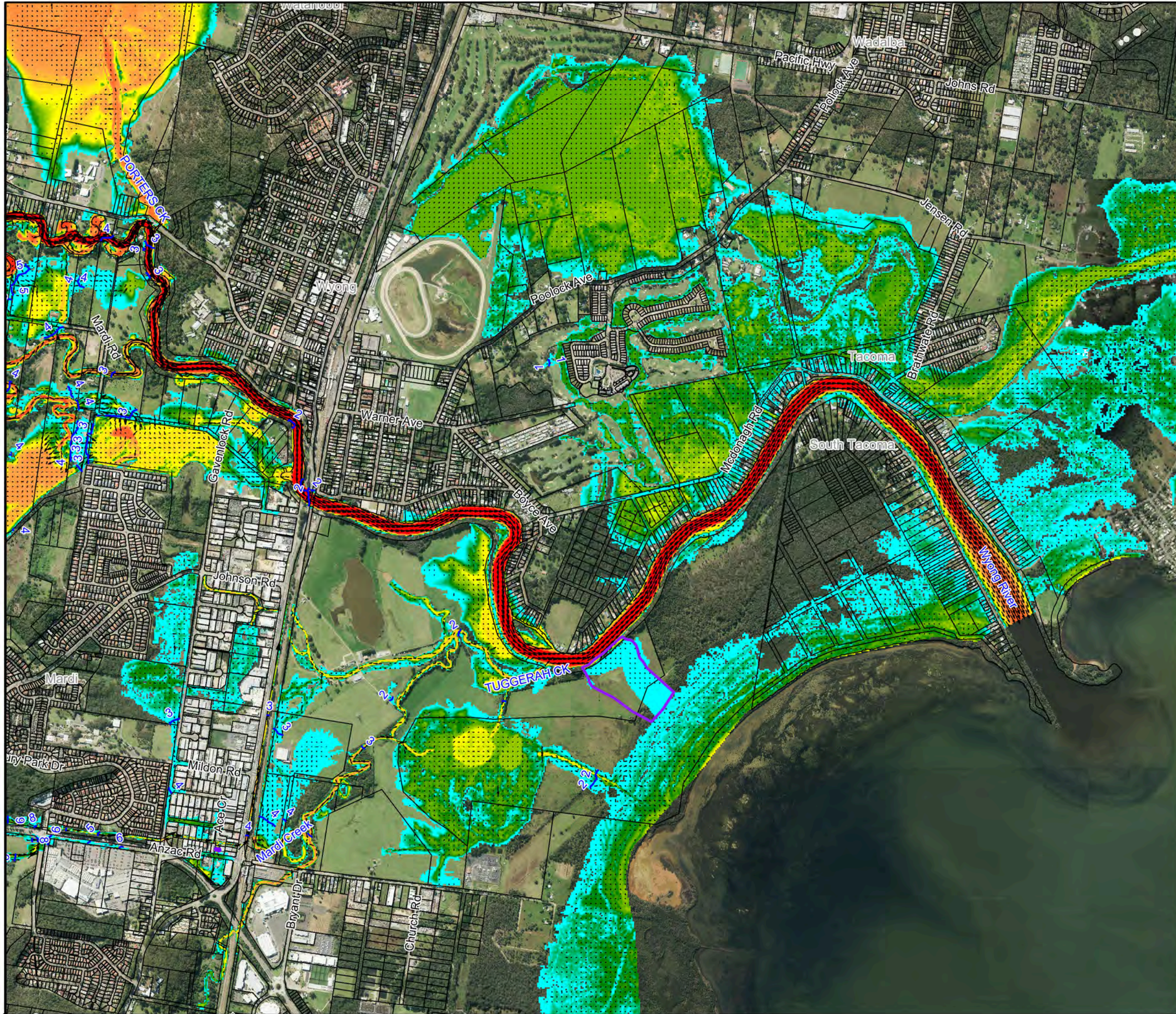
Notes:



**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) |
|------------|-----------------------|
| ≤ 0.2 | 1.0 m/s |
| 0.5 | 2.0 m/s |
| 1.0 | 4 m/s |
| 2.0 | |
| 3.0 | |

Notes:

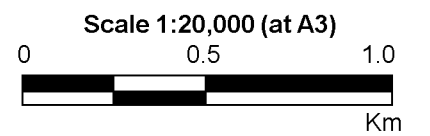
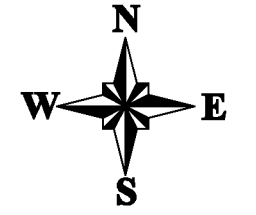


Figure E2:
Peak Floodwater Depths, Velocities & Levels for the 20% AEP Flood with South Tacoma Floodway

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

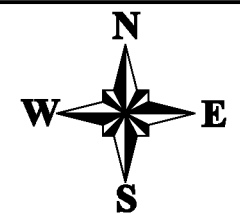
File Name: Figure E2.DHV South Tacoma Floodway.wor



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:

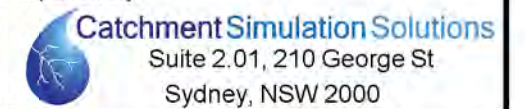


Scale 1:20,000 (at A3)

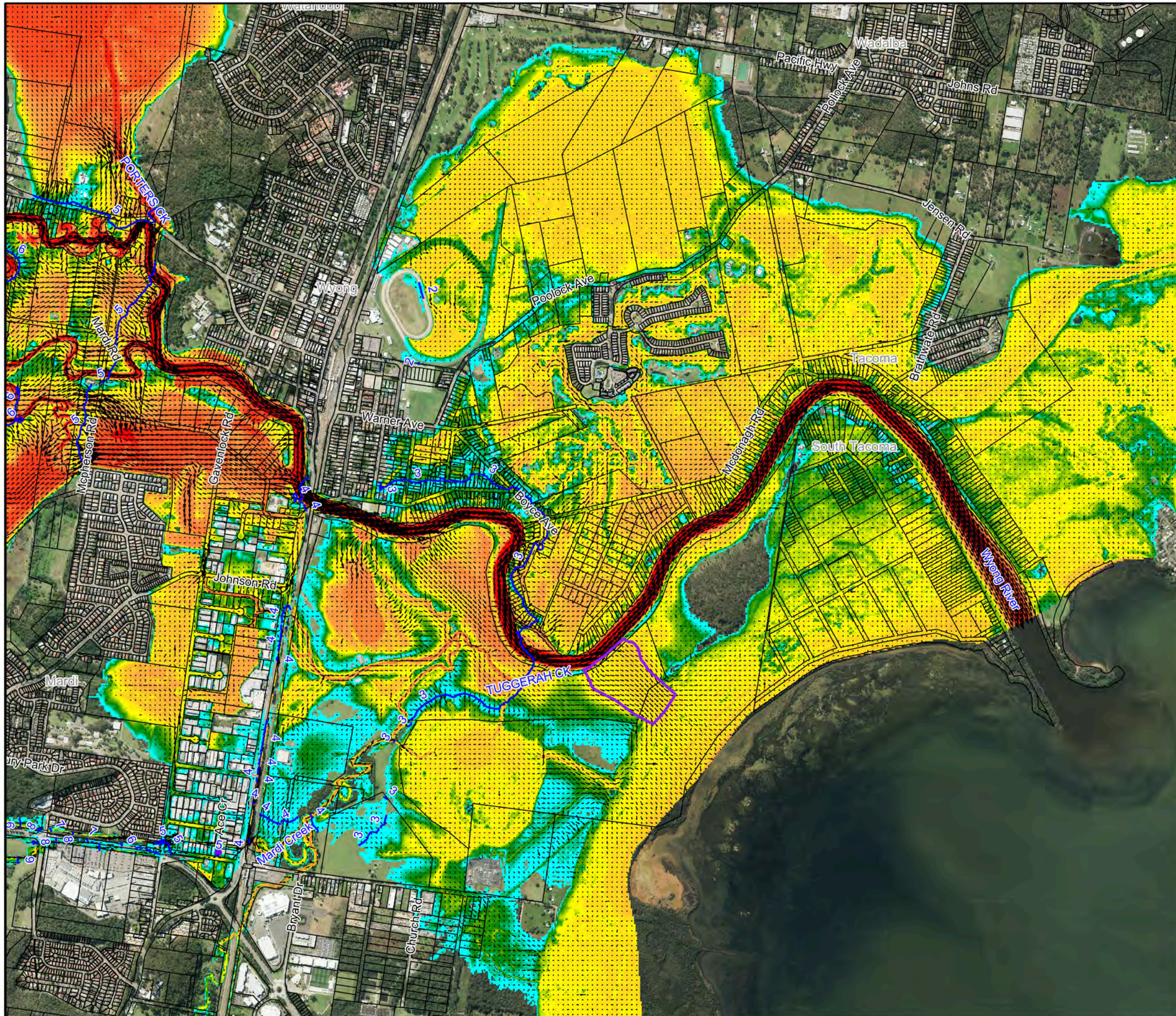


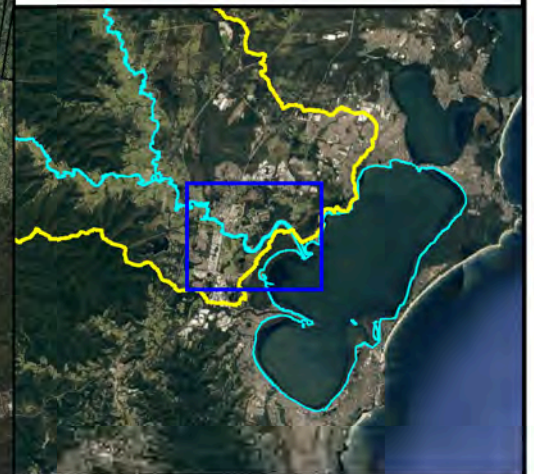
Figure E3:
Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with South Tacoma Floodway

Prepared By:



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



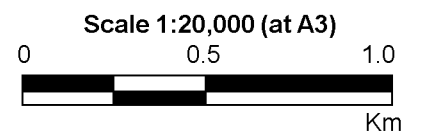
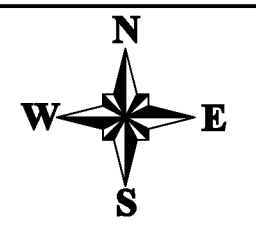


LEGEND


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

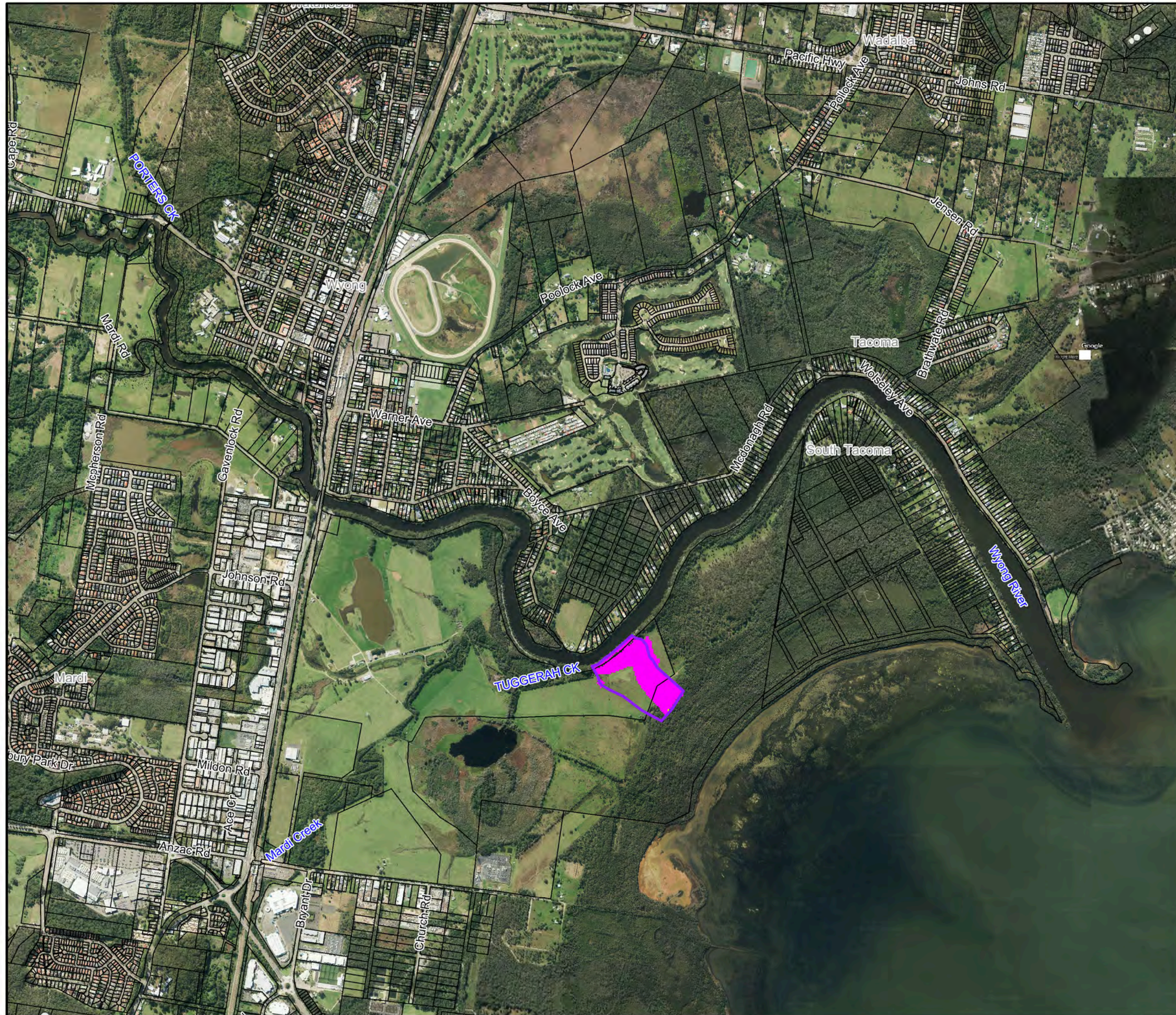
Notes:

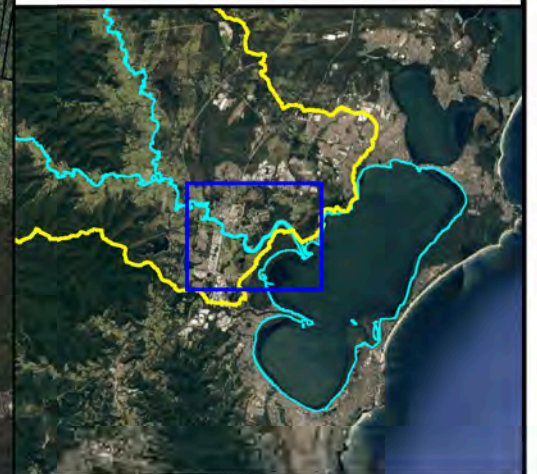


**Figure E4:
Flood Level Difference
Mapping for the 20% AEP
Flood with South
Tacoma Floodway**

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

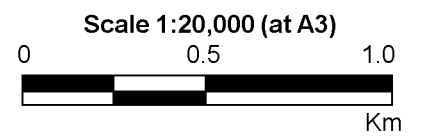
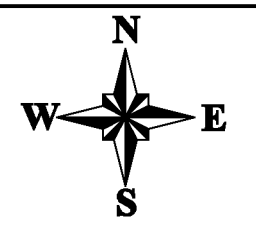




LEGEND

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

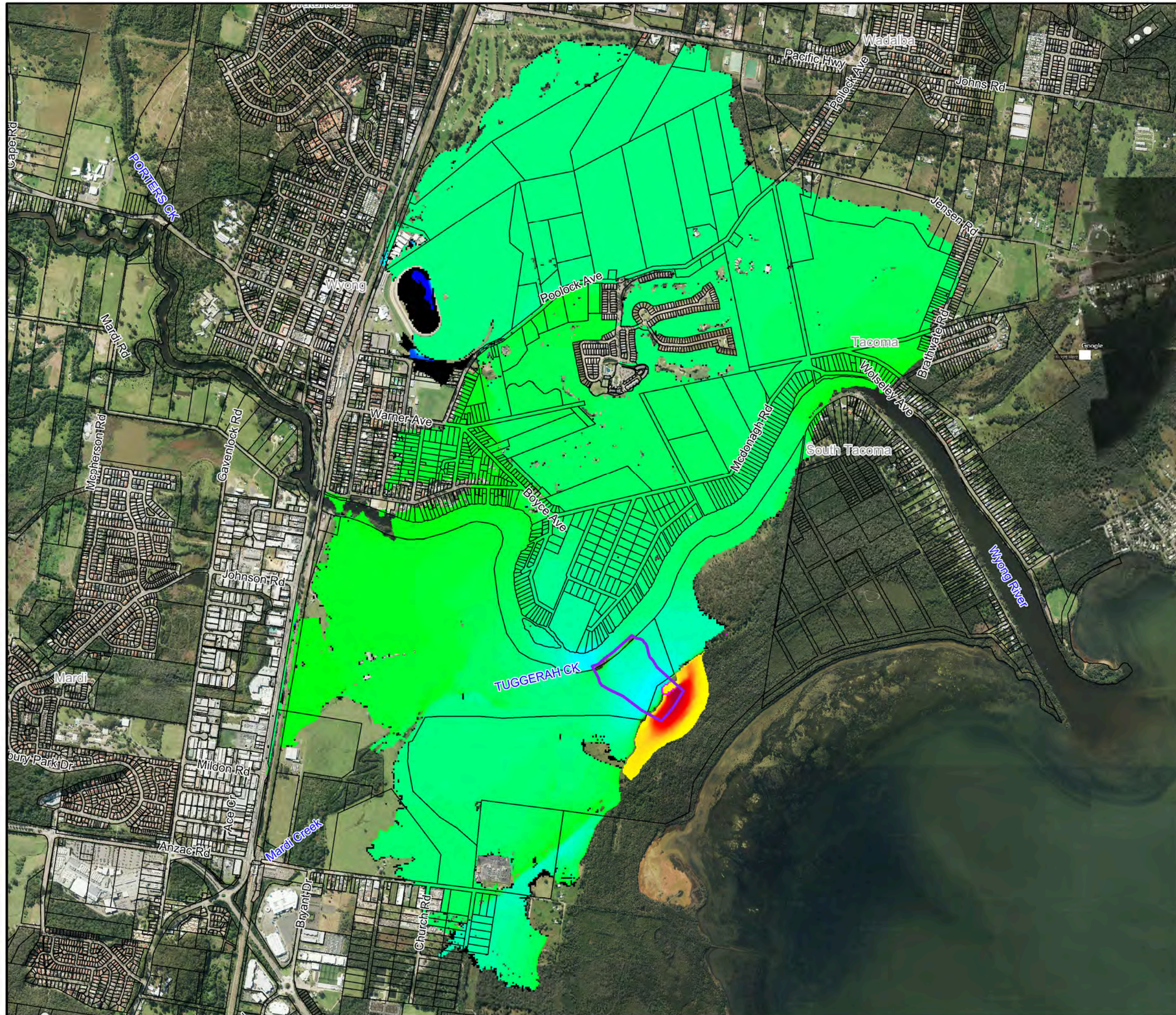
Notes:



**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

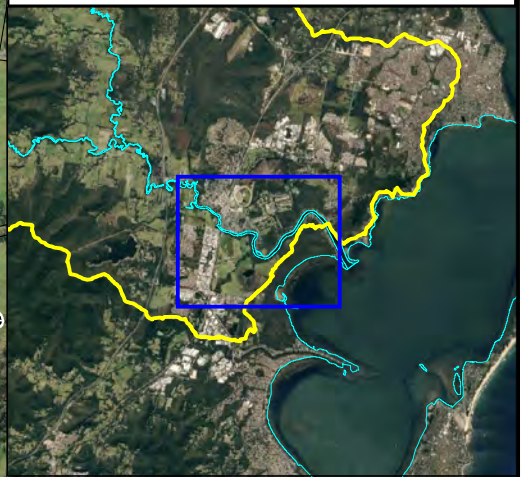
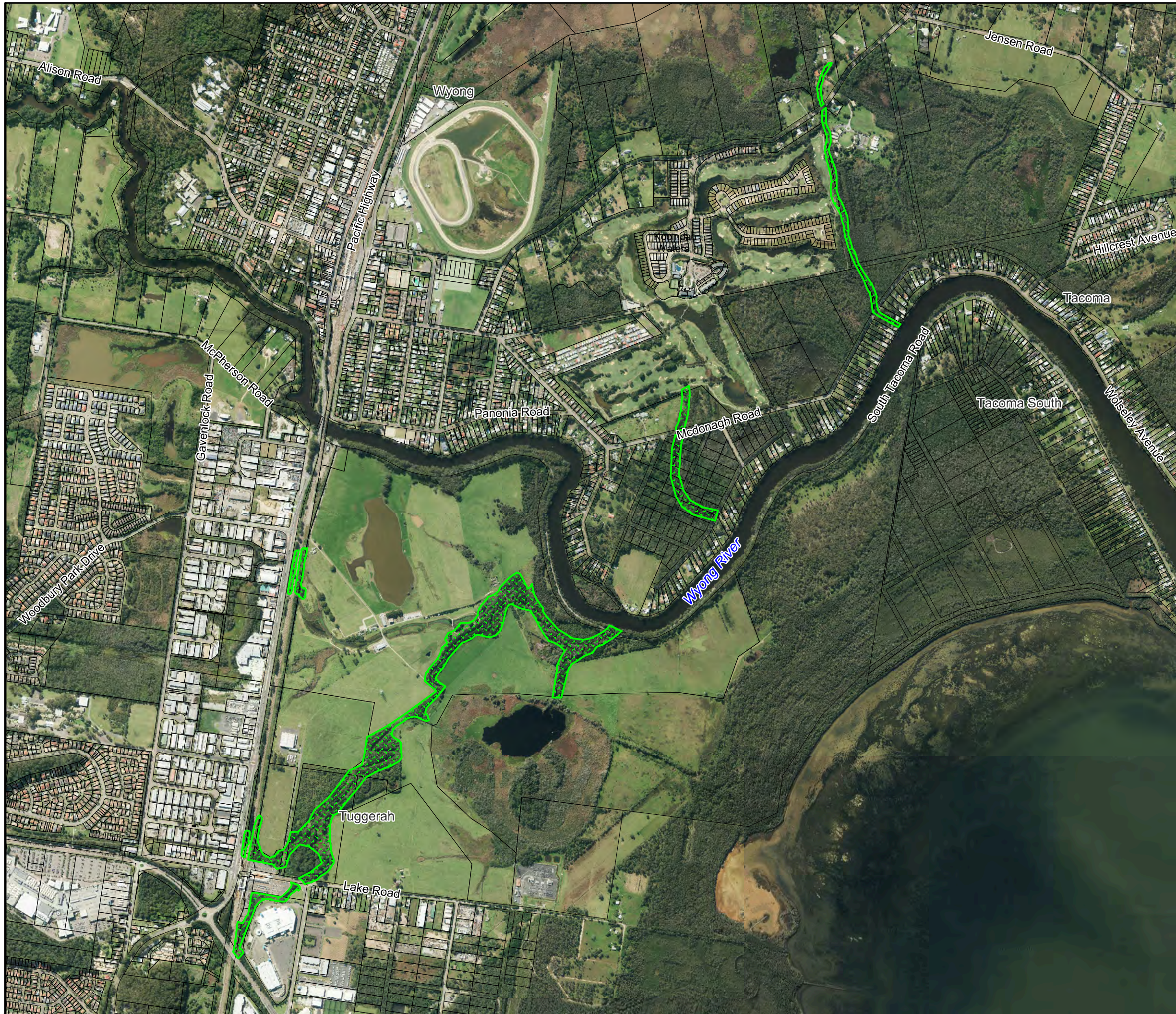
File Name: Figure E5 Flood Level Diff
 1% AEP Tacoma Floodway.wor



MAP SET F

VEGETATION REMOVAL ACROSS LOWER FLOODPLAIN

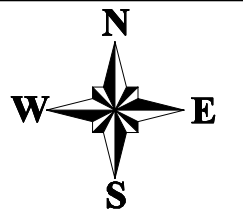




LEGEND

 Vegetation Clearing

Notes:




Scale 1:15,000 (at A3)

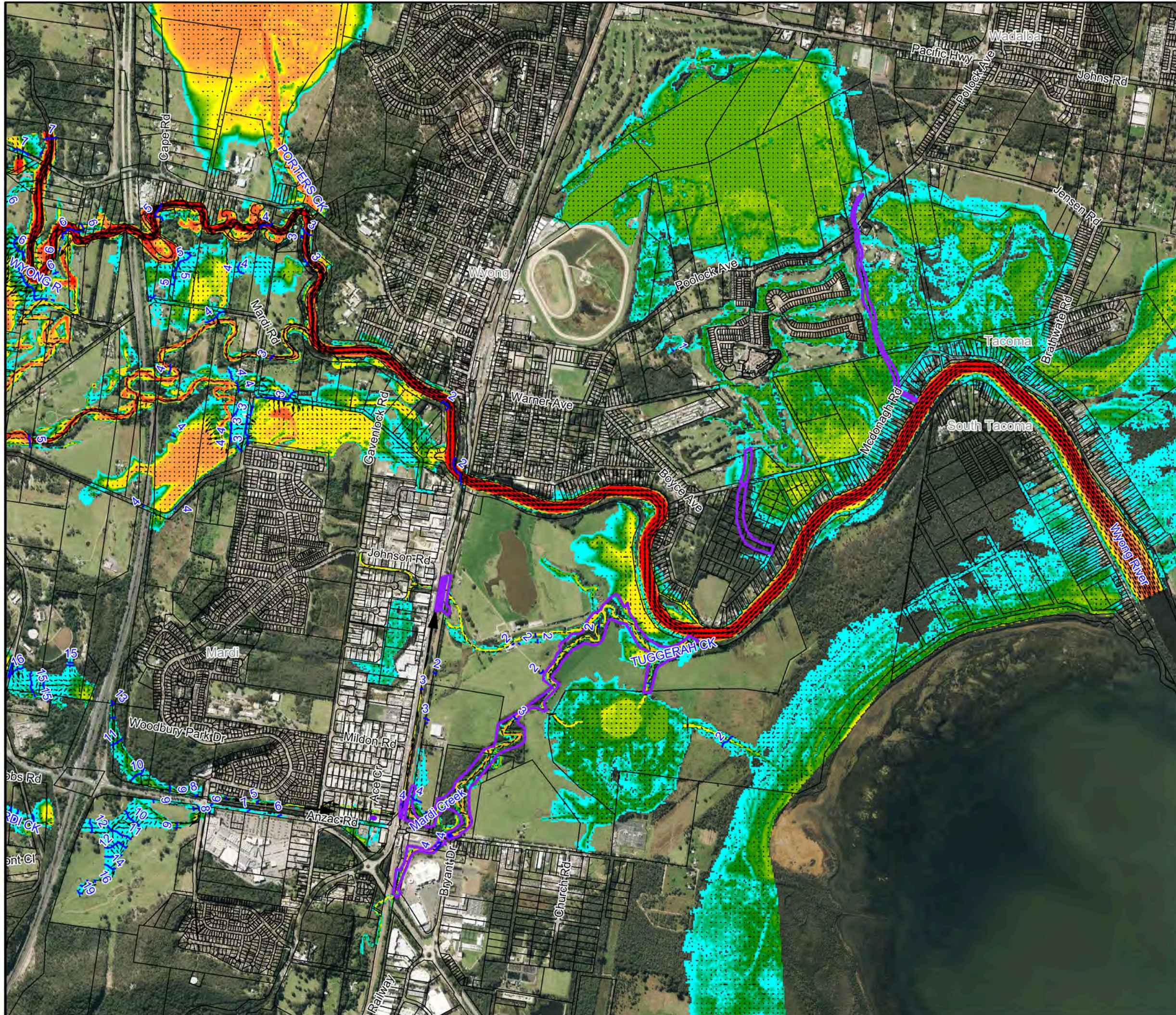
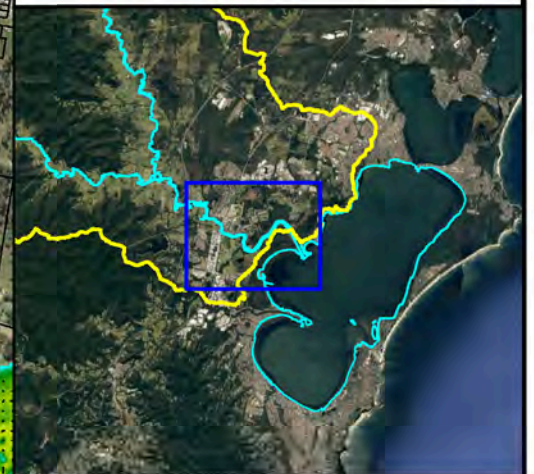


**Figure F1:
Extent of Potential
Vegetation Removal**

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:

Scale 1:20,000 (at A3)

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



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:

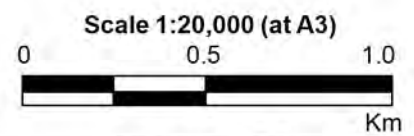
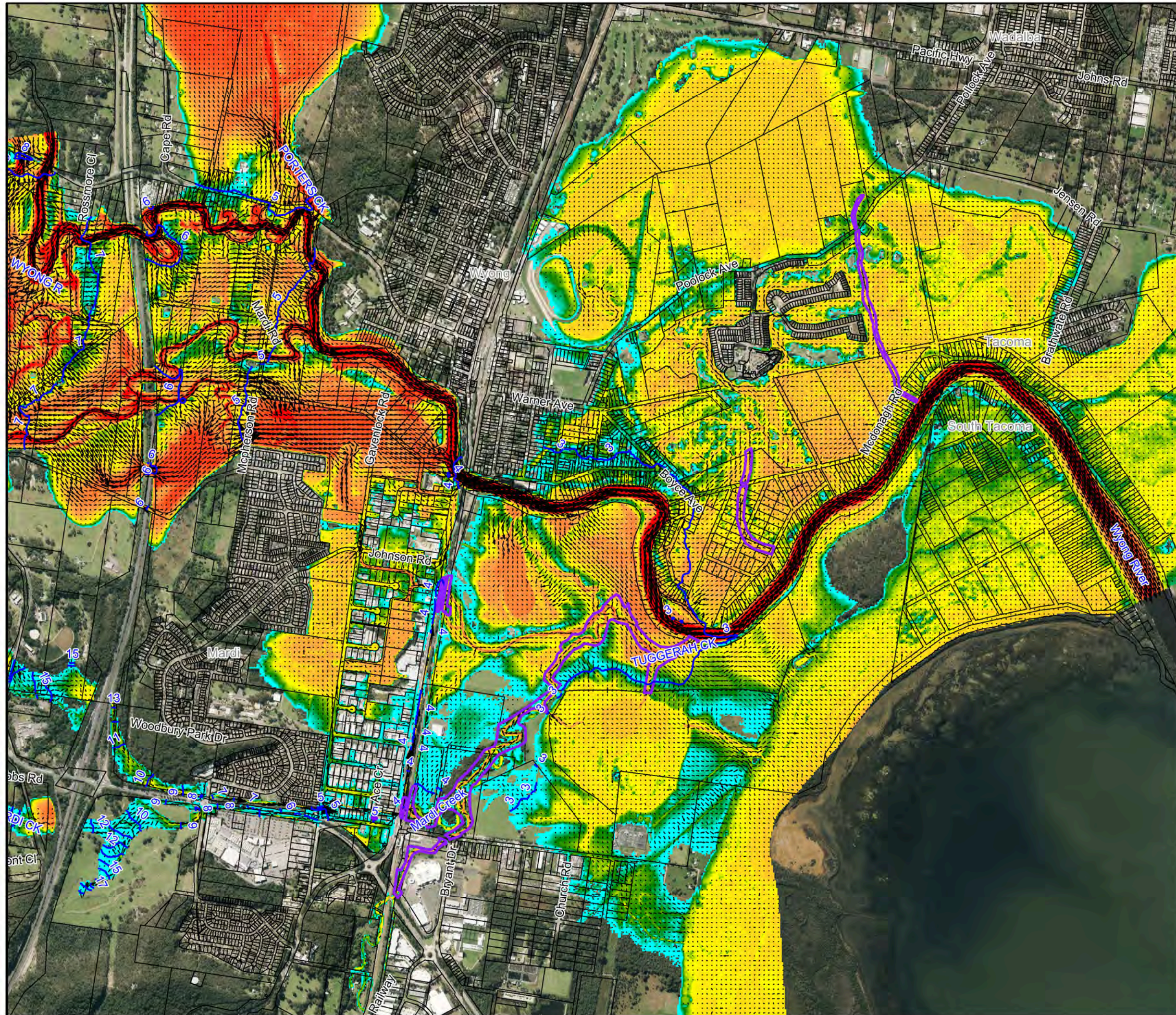
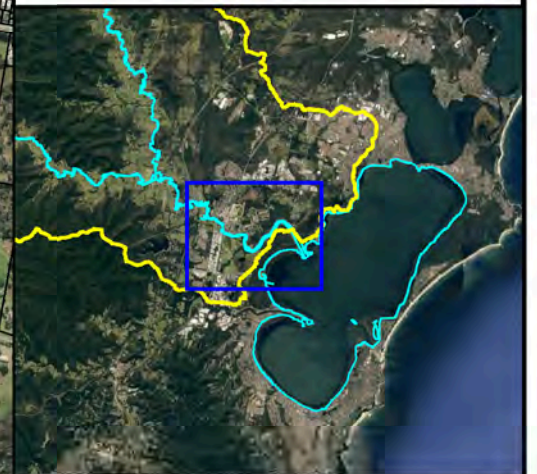


Figure F3:
Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Vegetation Removed

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

File Name: Figure F3.DHV Vegetation Removed.wor



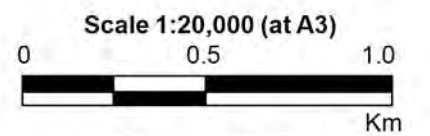


LEGEND

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

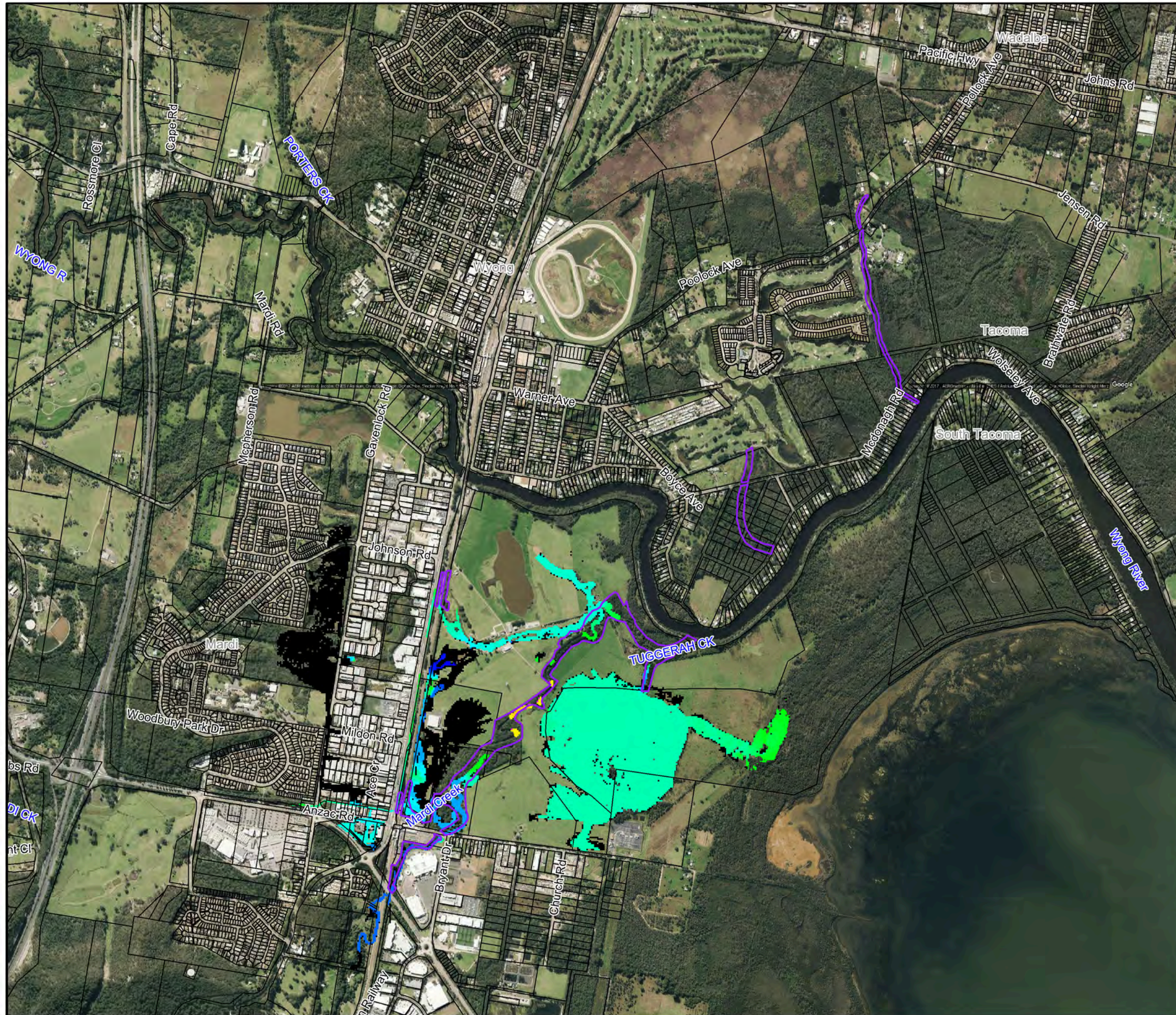
Notes:



**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:

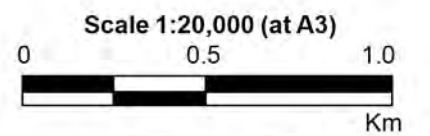
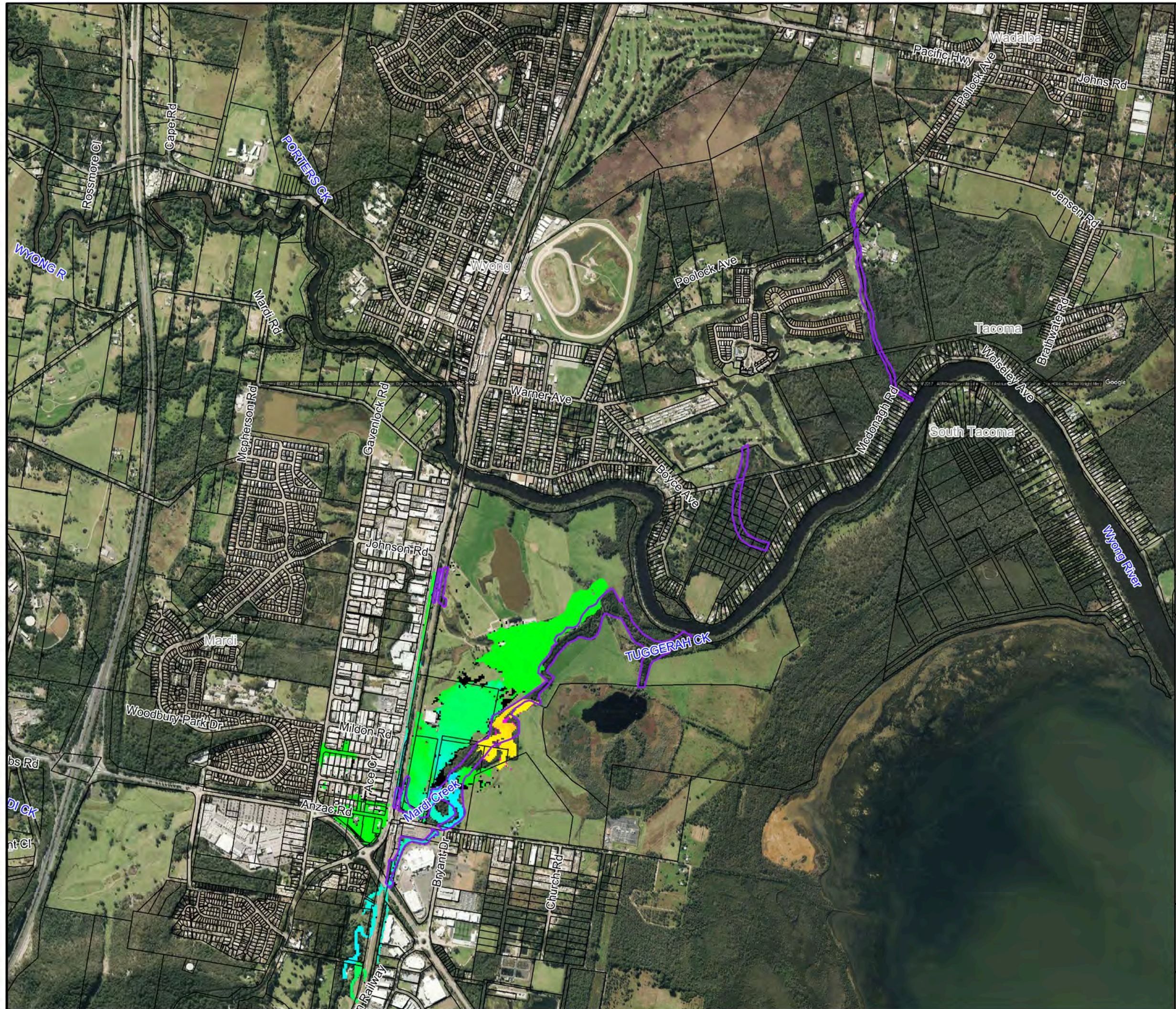


Figure F5:
Flood Level Difference
Mapping for the 1% AEP
Flood with Vegetation
Removed

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

File Name: Figure F5 Flood Level Diff
 1% AEP Veg Removed.wor



MAP SET G

MARDI CREEK DEBRIS CONTROL STRUCTURES

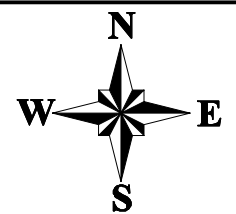




LEGEND

- Debris Control Structure

Notes:



Scale 1:2,000 (at A3)

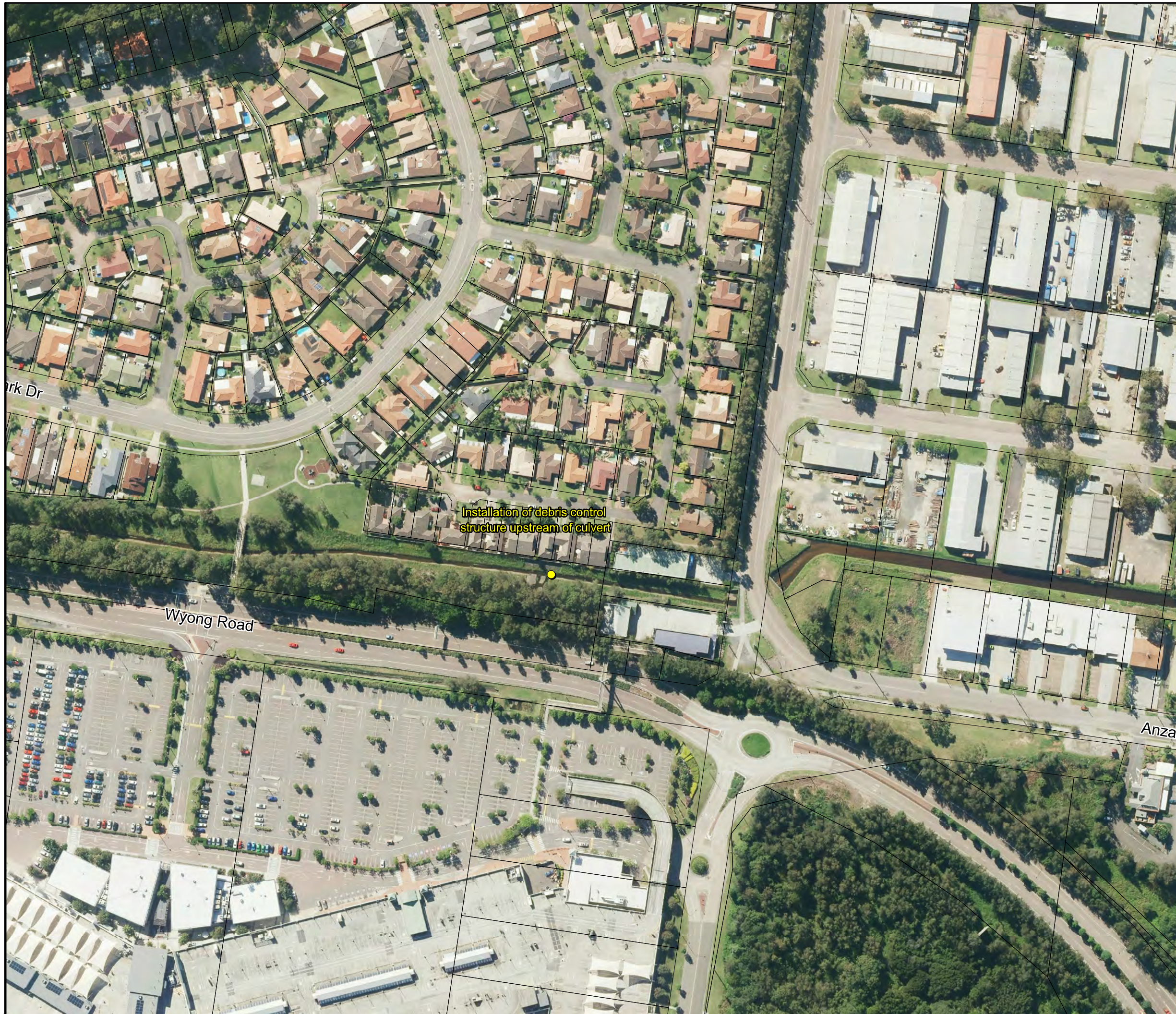


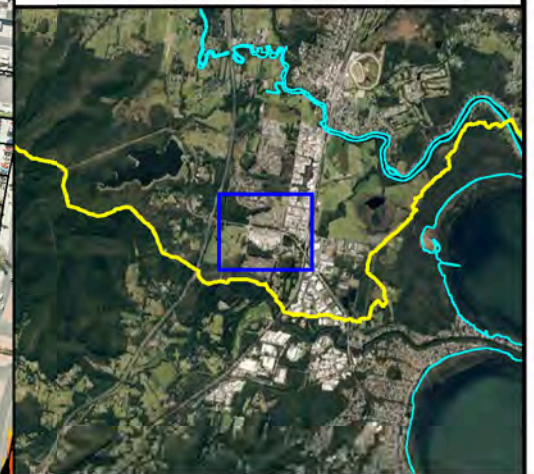
**Figure G1:
Potential Location of
Debris Control
Structures**

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

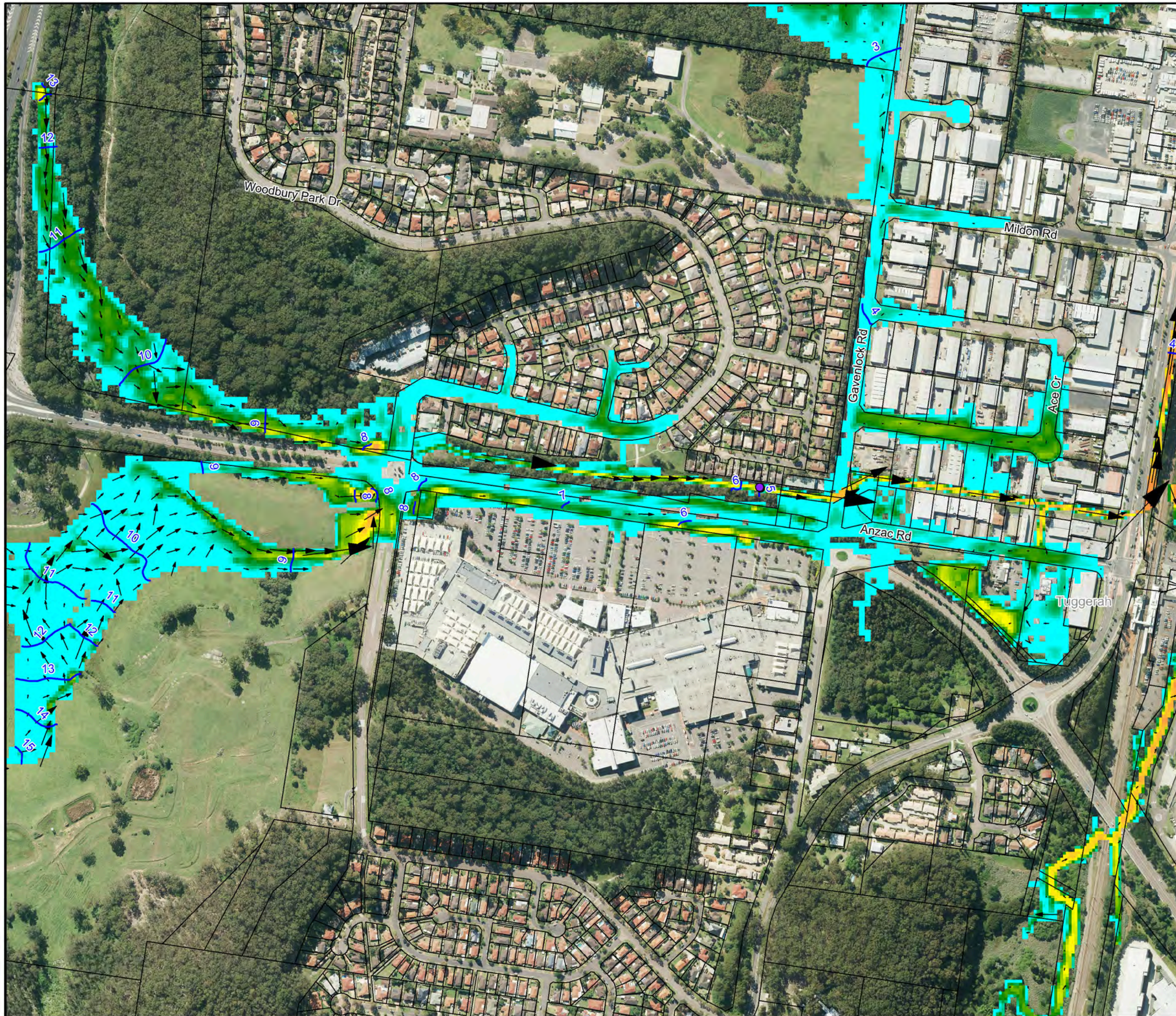
Depths (m)	Velocity Vector (m/s)
<= 0.2	0.25 m/s
0.5	0.5 m/s
1.0	1 m/s
2.0	
3.0	

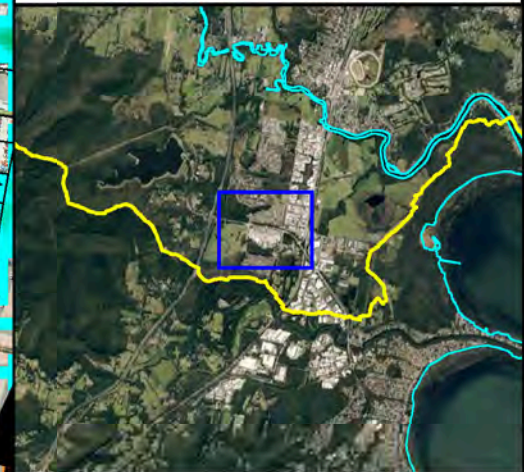
Notes:

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



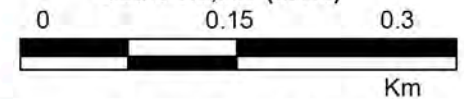
LEGEND

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:

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

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





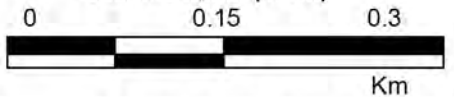
LEGEND

- 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:

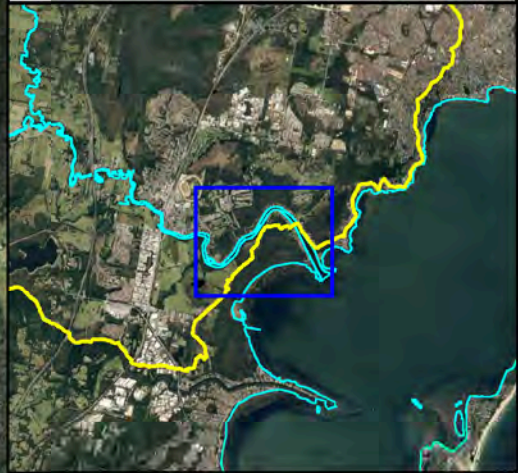
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

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

MAP SET H







WYONG RIVER DREDGING





LEGEND

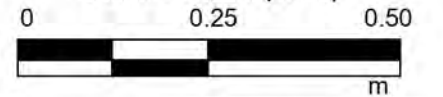
Depth of Dredging

-  <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)

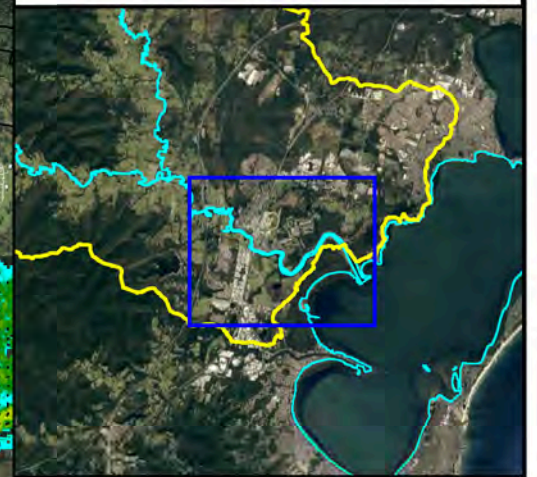


**Figure H1:
Extent of Potential
Wyong River
Dredging**

Prepared By:

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

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



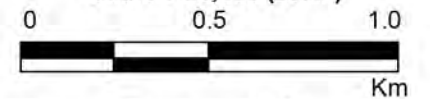
LEGEND

	Peak Water Level Contour (mAHD)		
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)

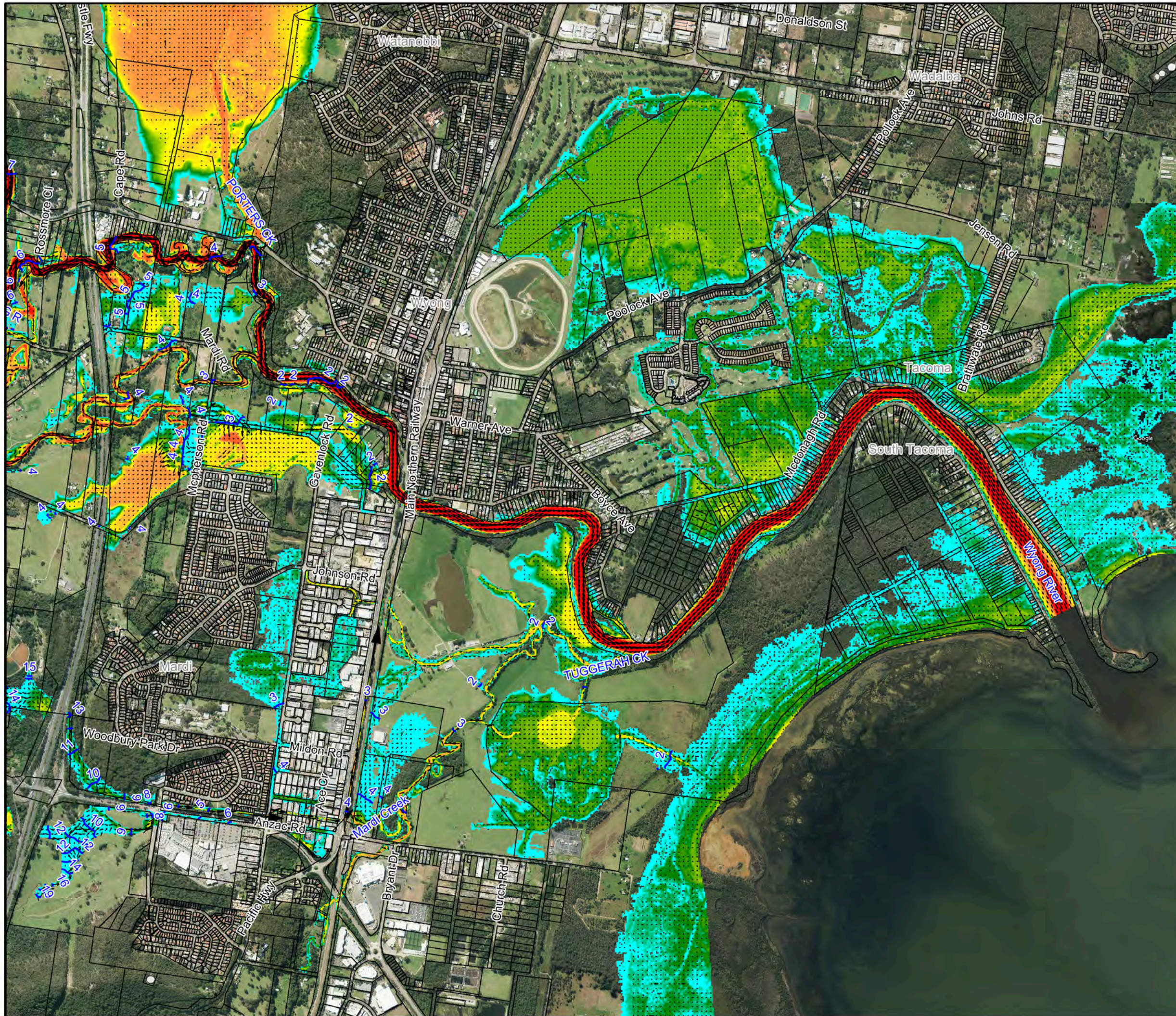


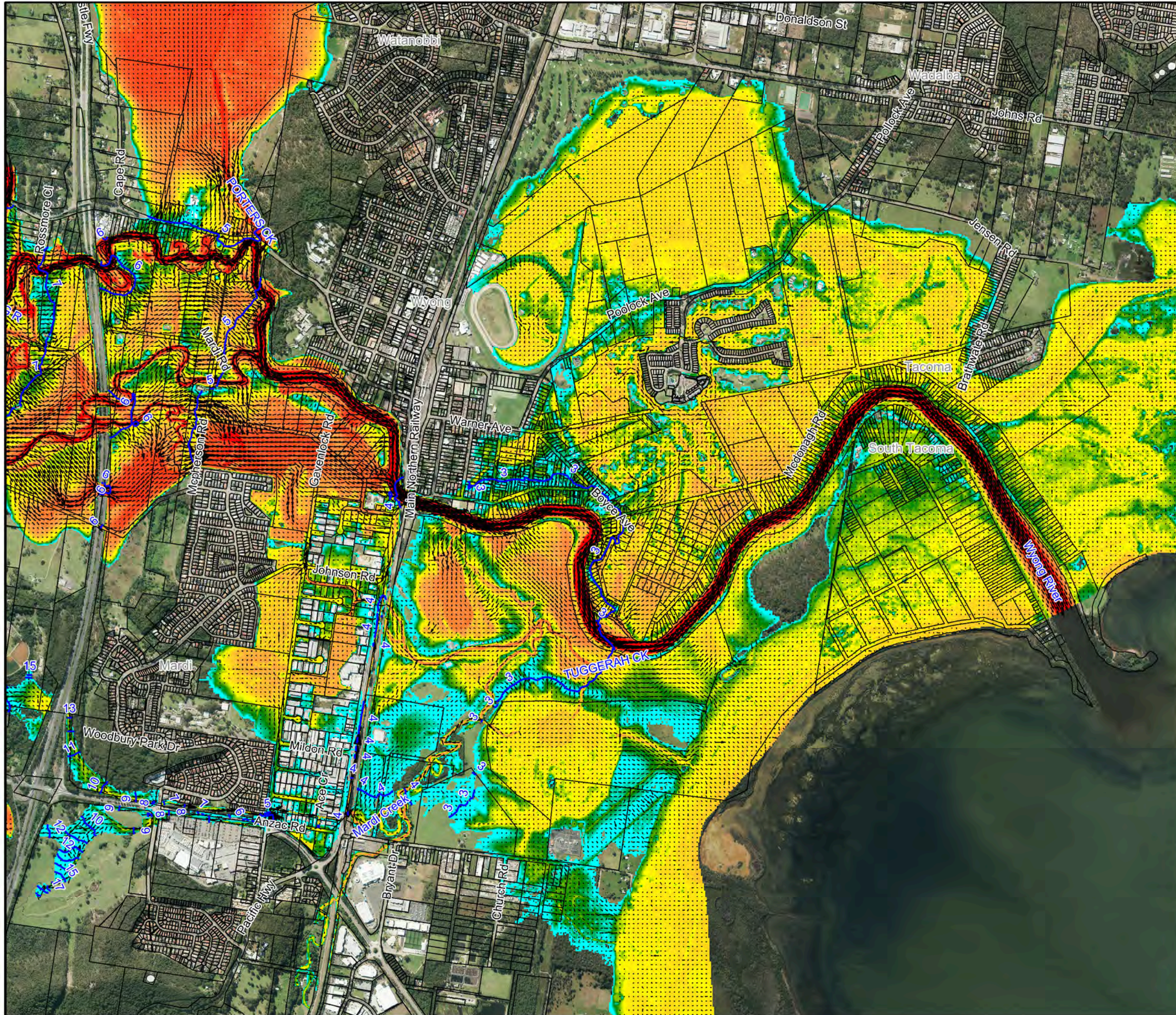
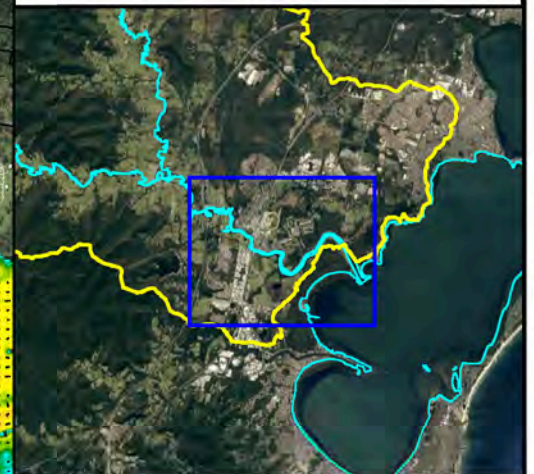
**Figure H2:
Peak Floodwater Depths,
Velocities & Levels for the
20% AEP Flood with
Dredging**

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)

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	

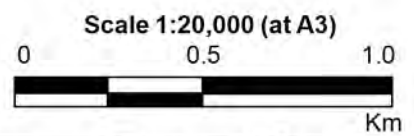
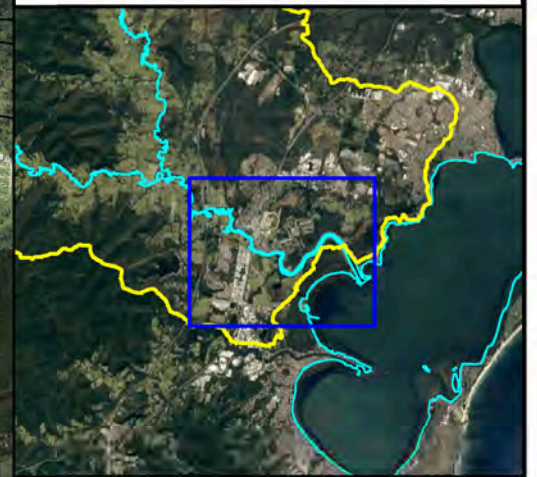


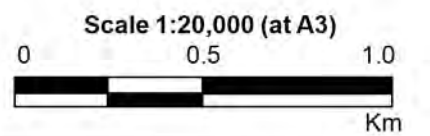
Figure H3:
Peak Floodwater Depths, Velocities & Levels for the 1% AEP Flood with Dredging




LEGEND

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

Notes:

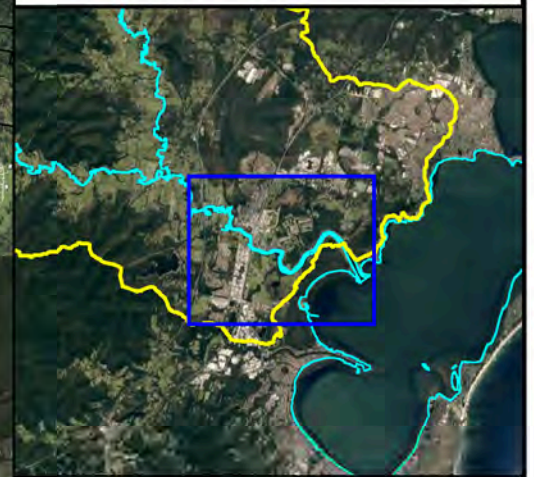


**Figure H4:
Flood Level Difference
Mapping for the 20% AEP
Flood with Dredging**

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





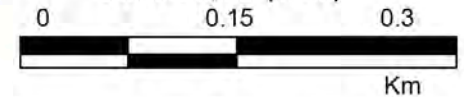
LEGEND

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)

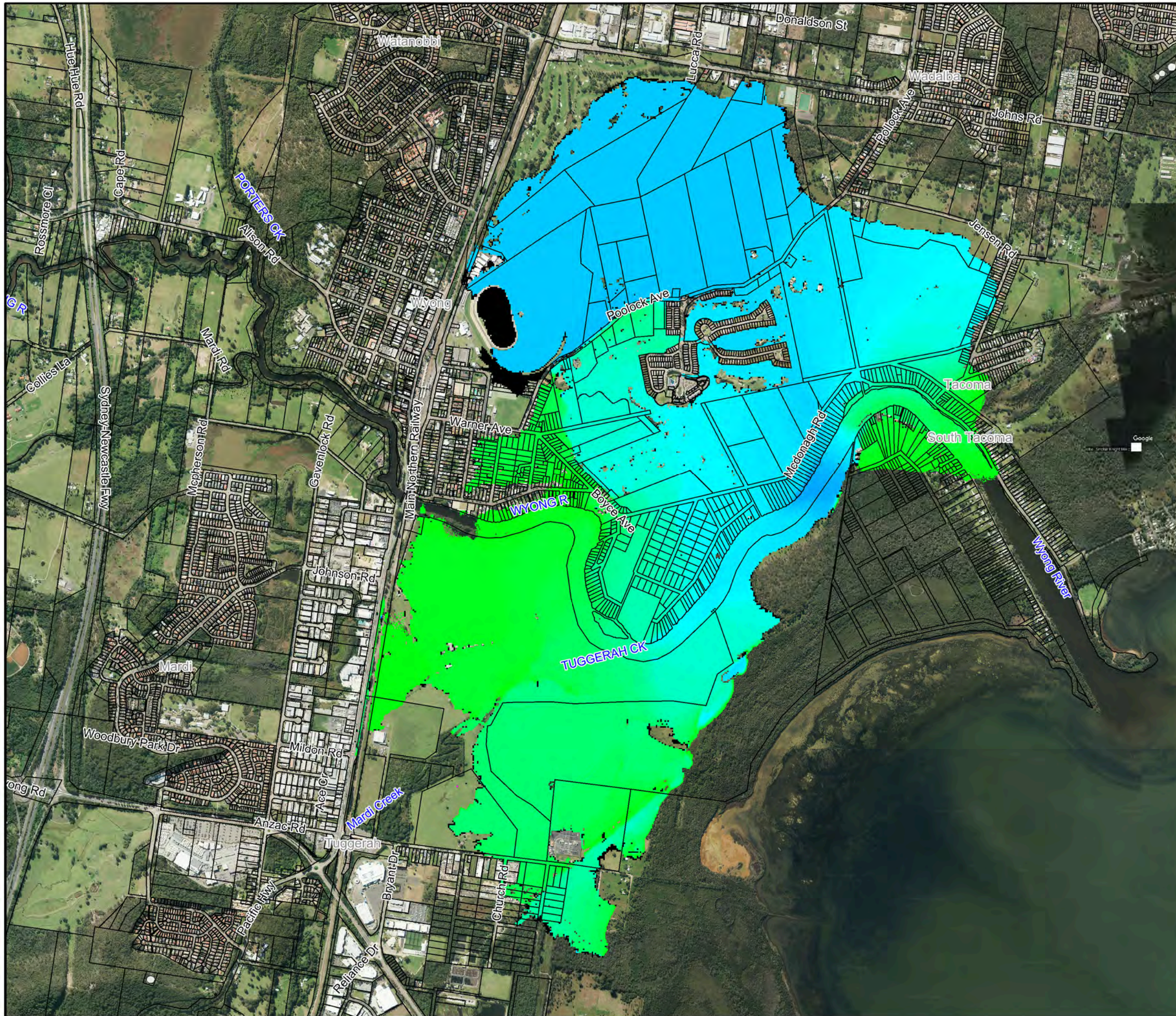


**Figure H5:
Flood Level Difference
Mapping for the 1% AEP
Flood with Dredging**

Prepared By:

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

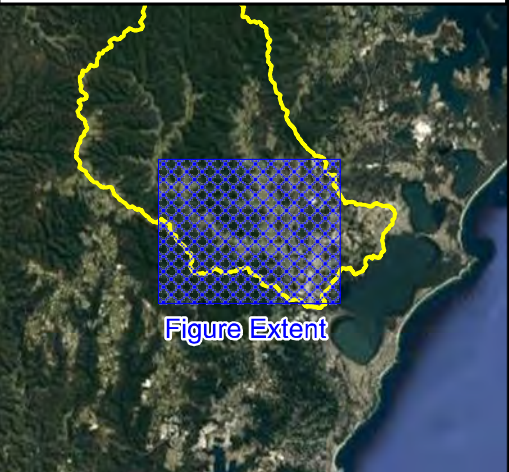
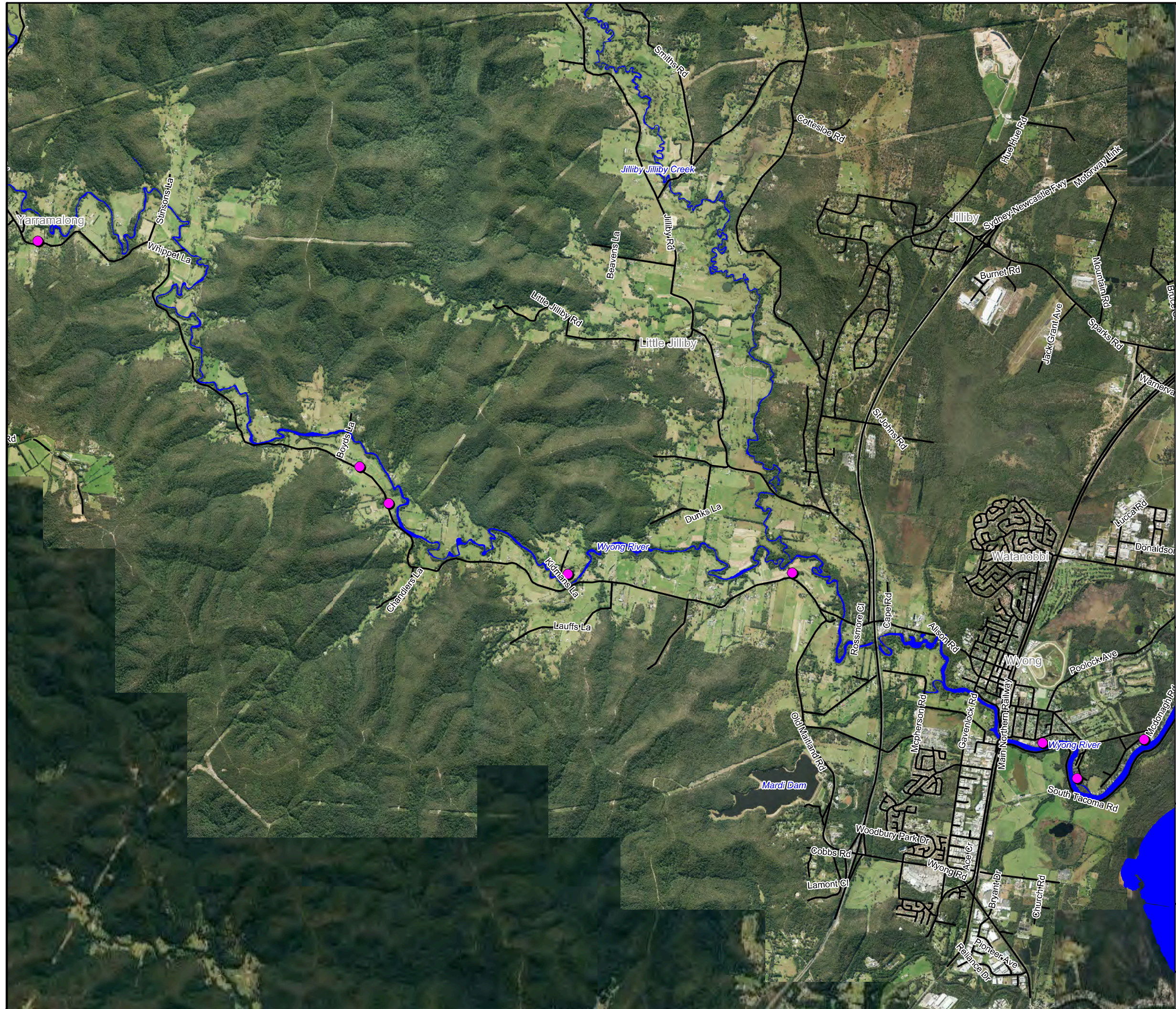
File Name: Figure H5 Flood Level Diff
1% AEP Dredging.wor



MAP SET I

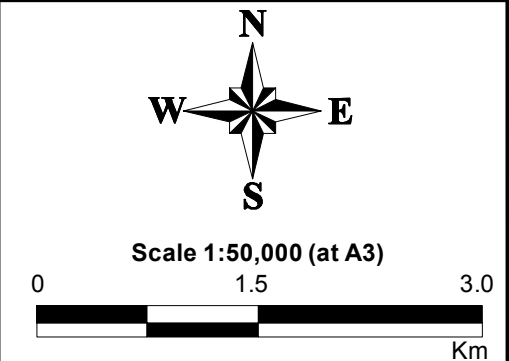
PROPERTY MODIFICATION OPTIONS





LEGEND

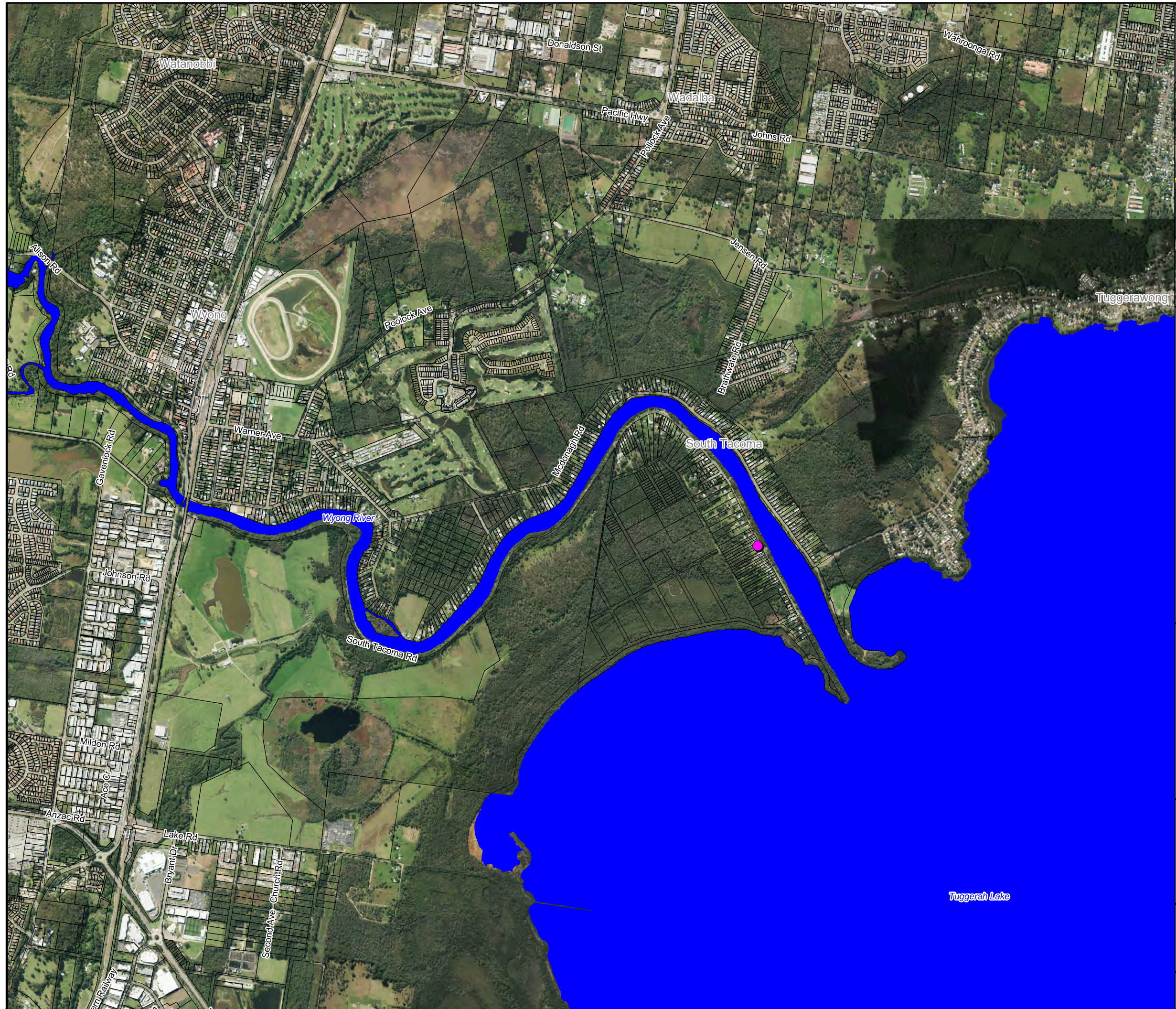
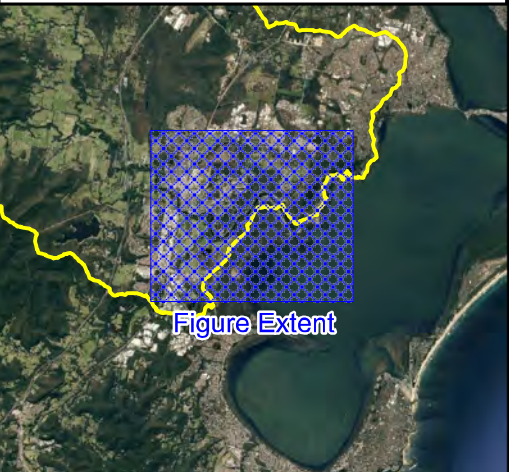
- Property Eligible for Voluntary House Purchase



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

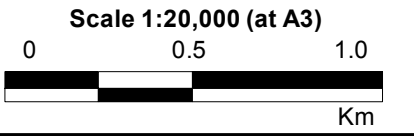
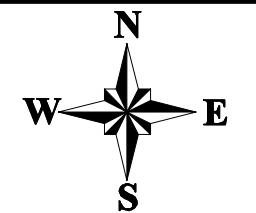
Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

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
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Properties Eligible for House Raising.wor



LEGEND

● Property Eligible for Voluntary Flood Proofing

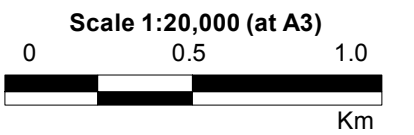
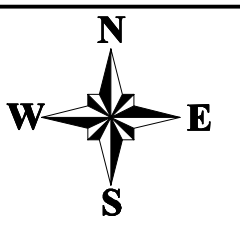

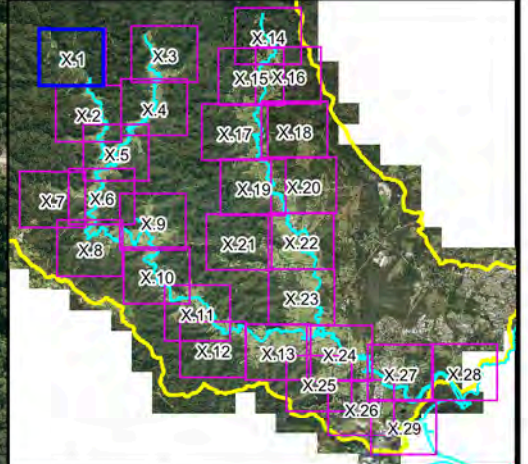
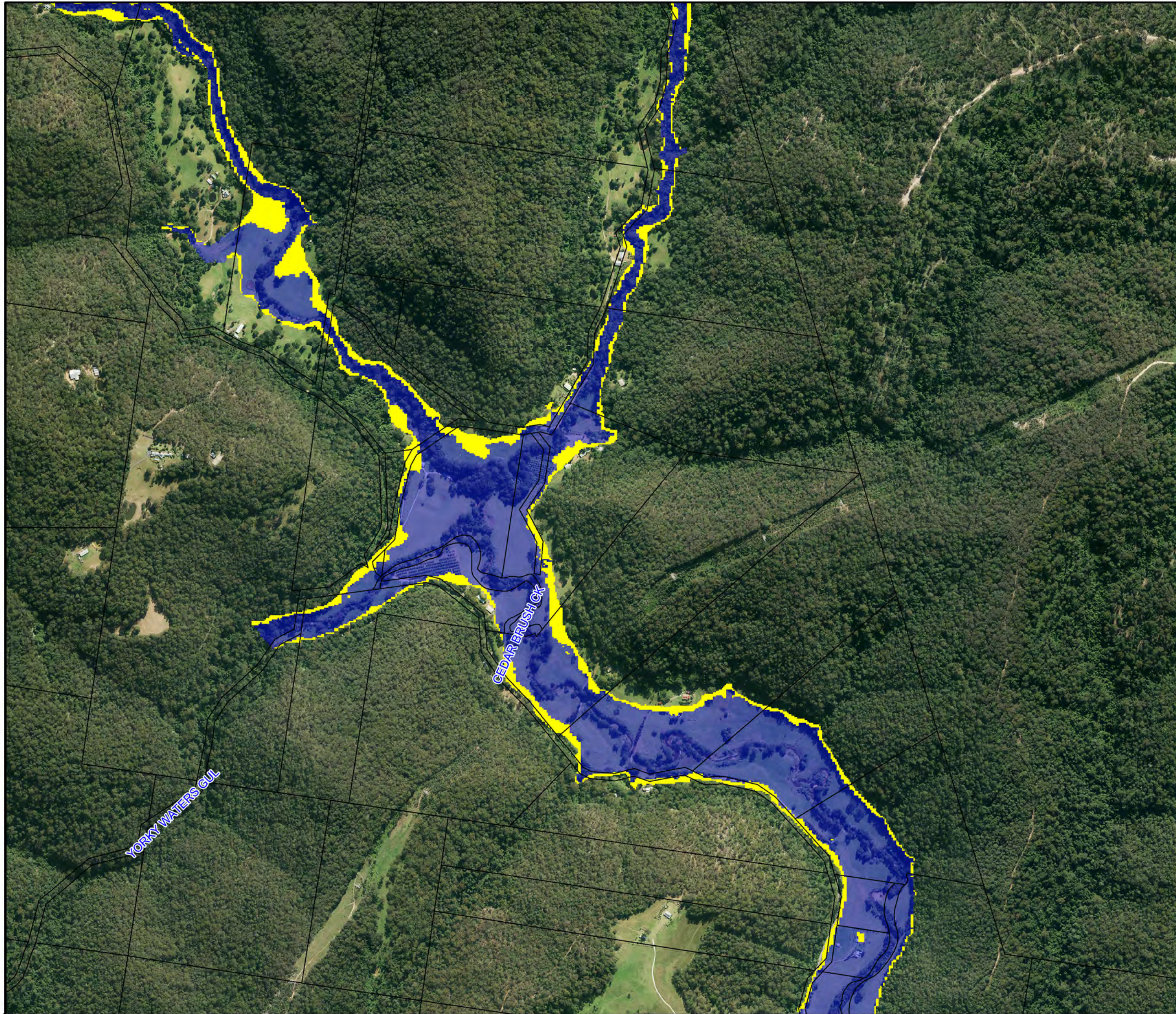


Figure I3:
Location of Houses
Potentially Eligible for
Voluntary Flood Proofing

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

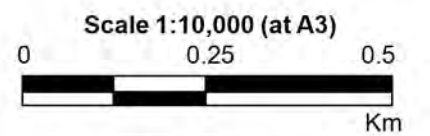
File Name: Properties Eligible for Flood Proofing.wor



LEGEND

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

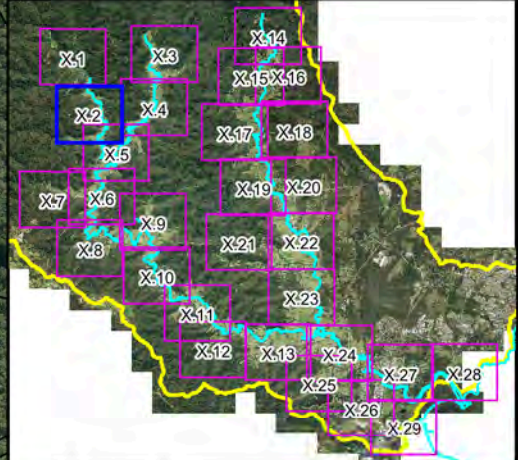
Notes:





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

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

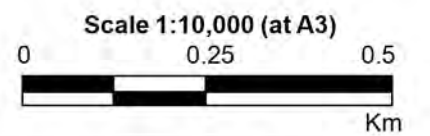
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

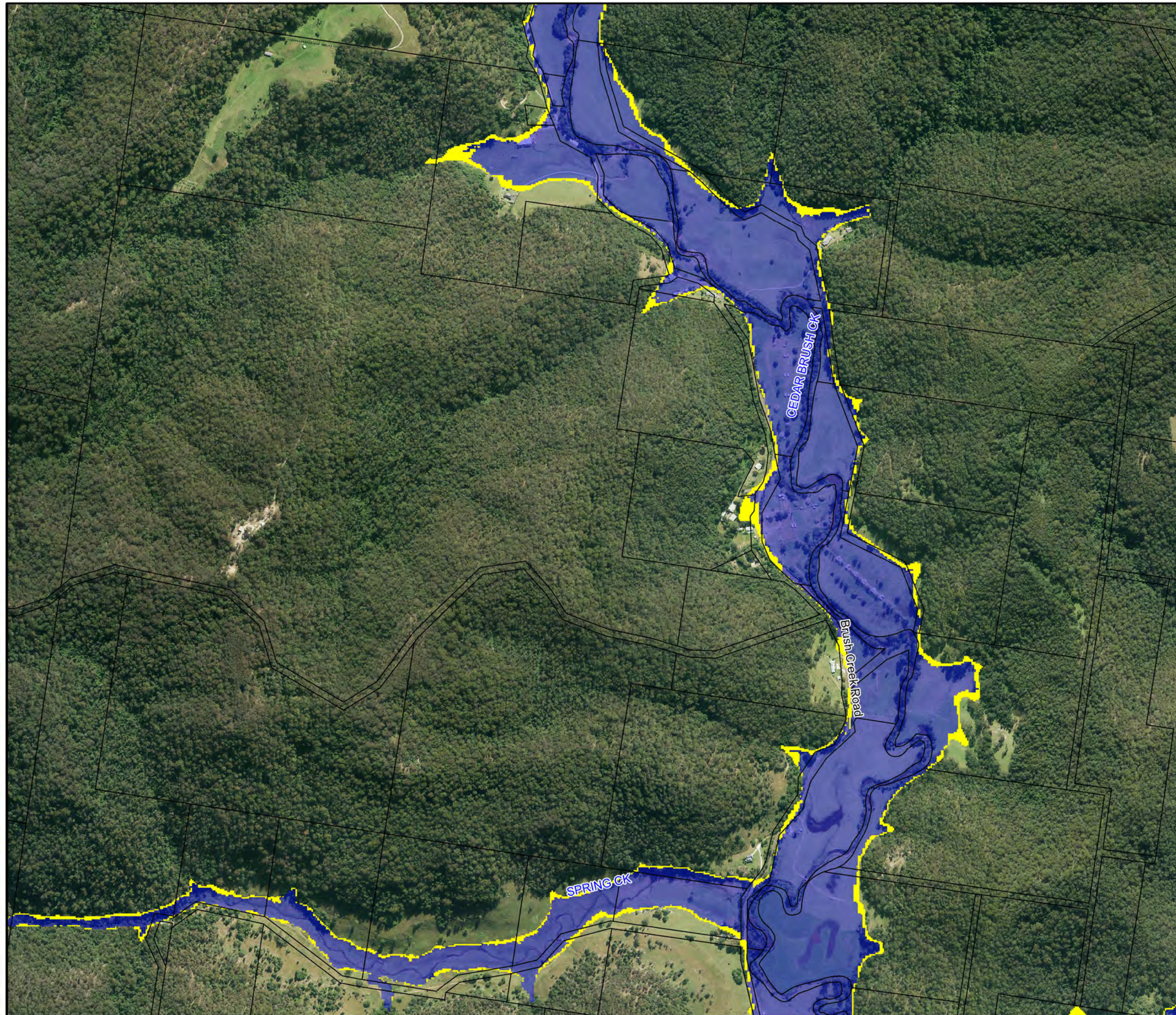
Notes:

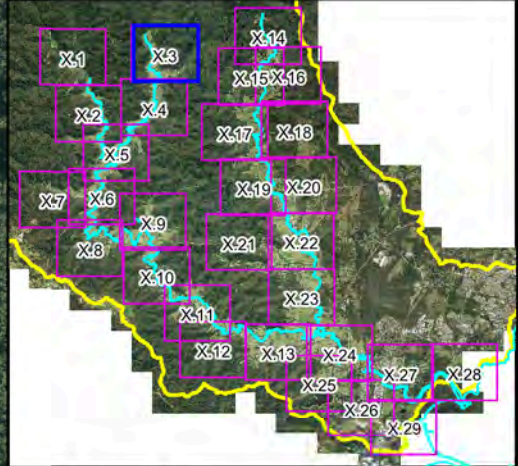
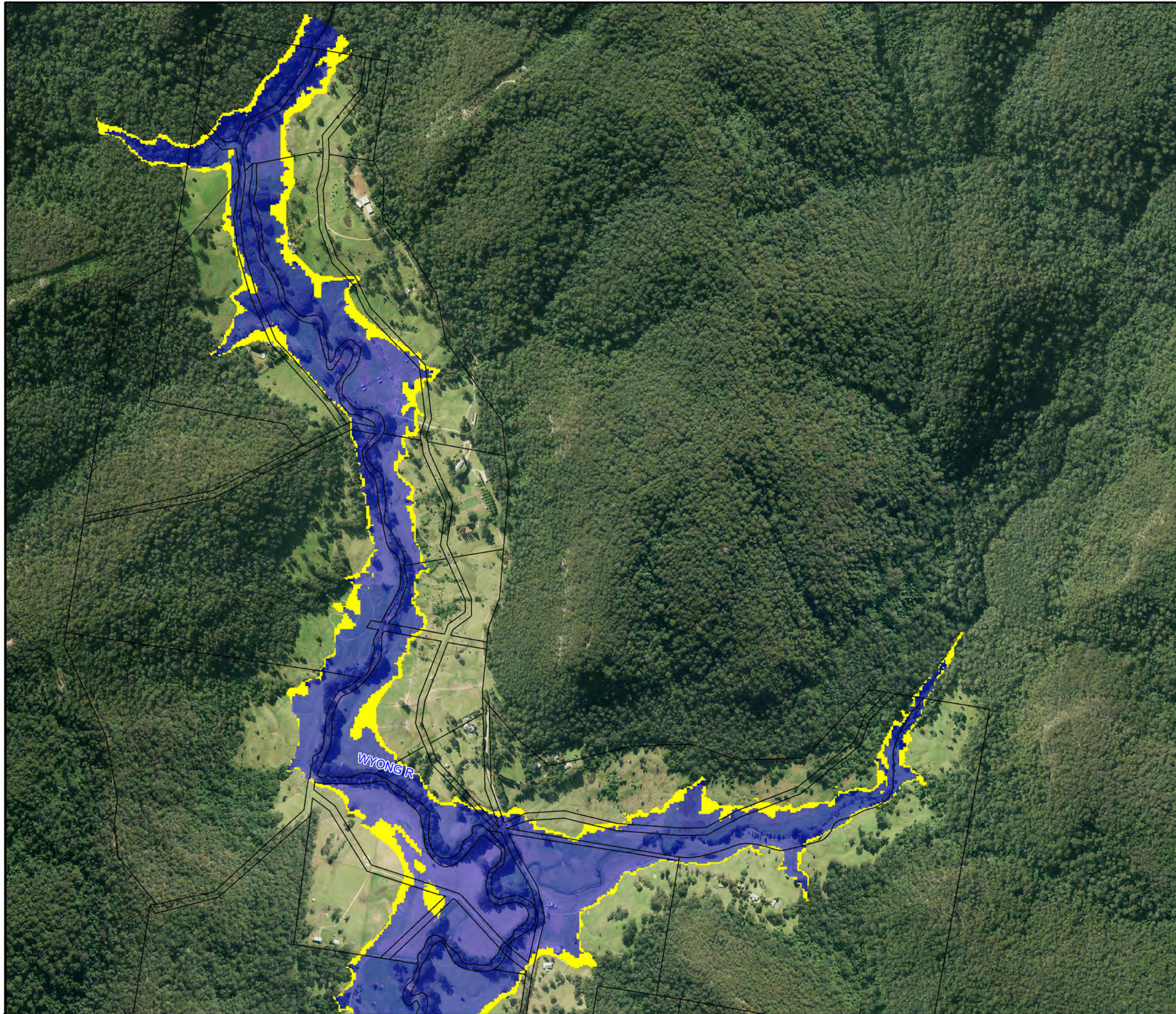


**Figure I4.2:
Areas Where Exceptional
Circumstances Should
Be Considered**

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

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

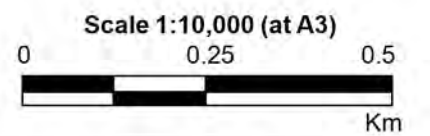




LEGEND

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

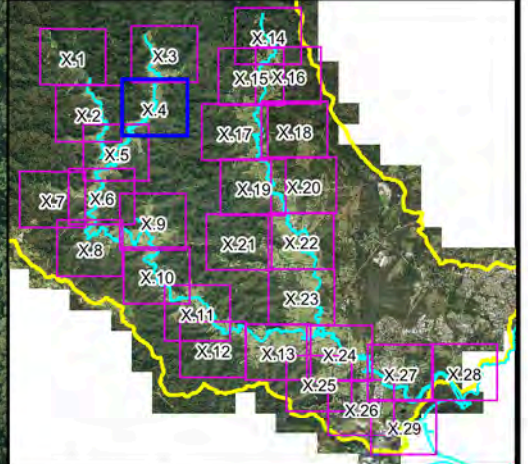
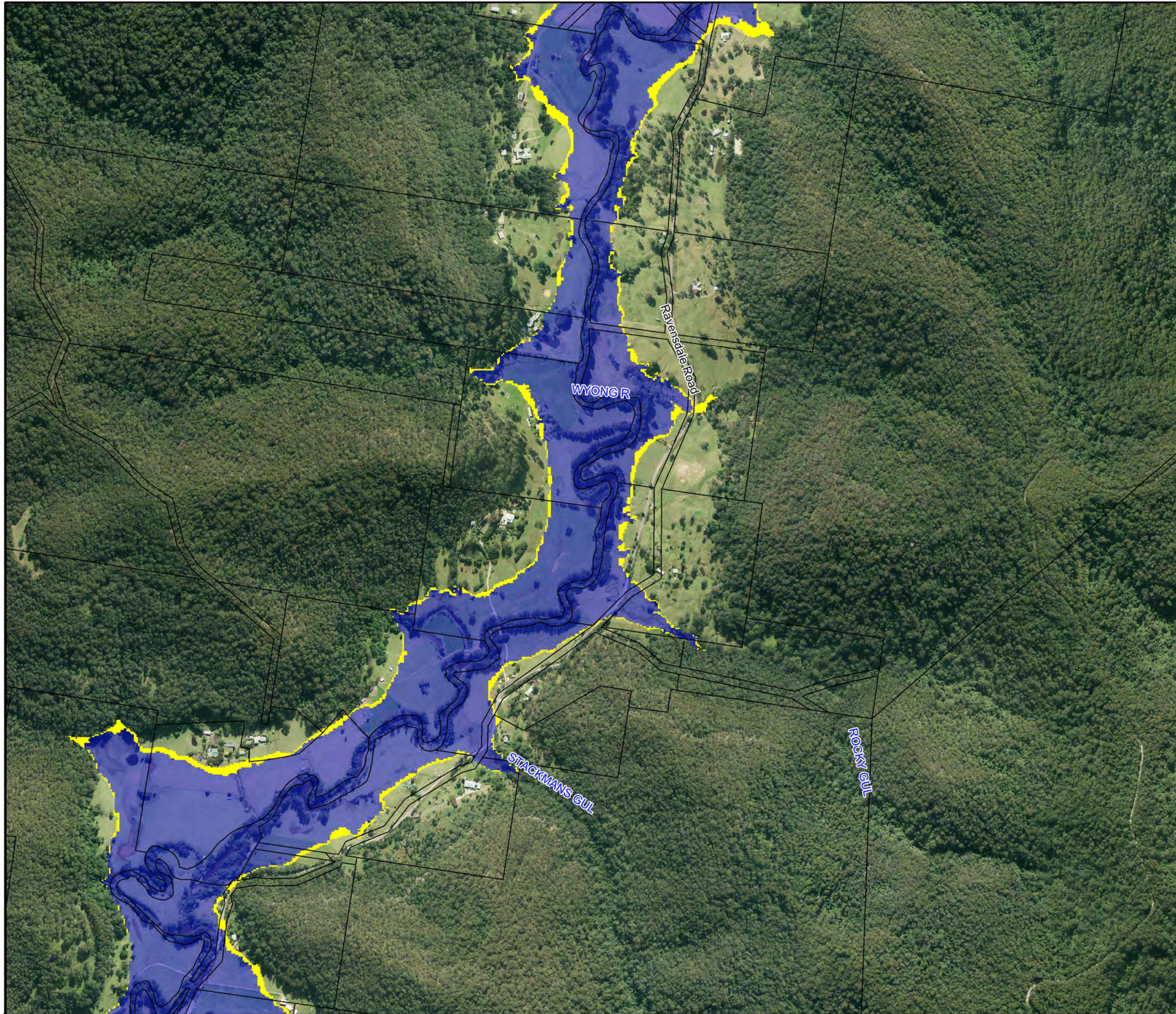
Notes:



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

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

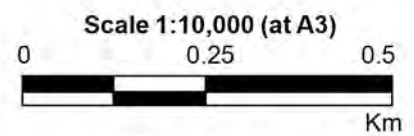
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor



LEGEND

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

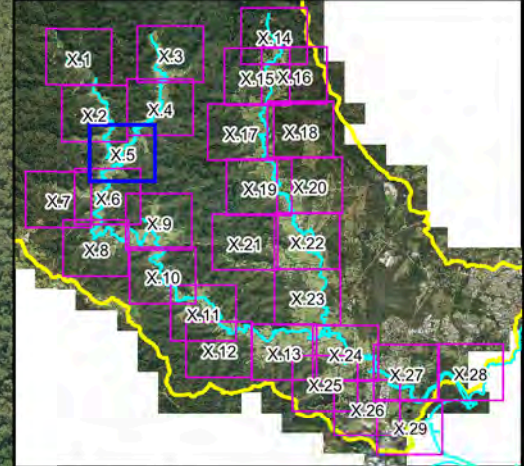
Notes:





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

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

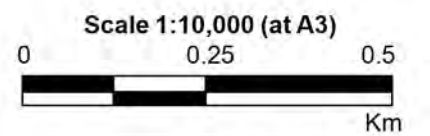
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

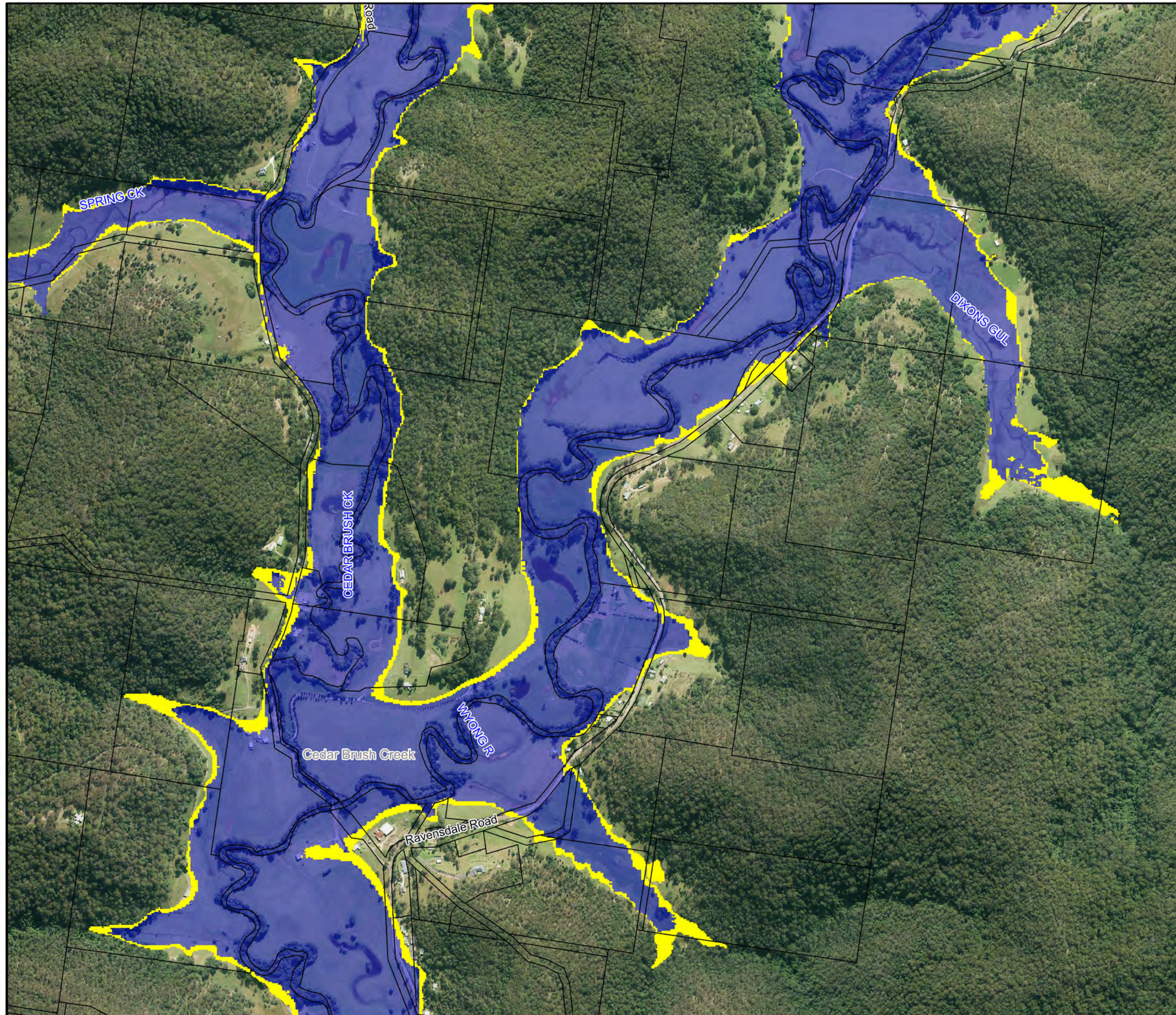
Notes:

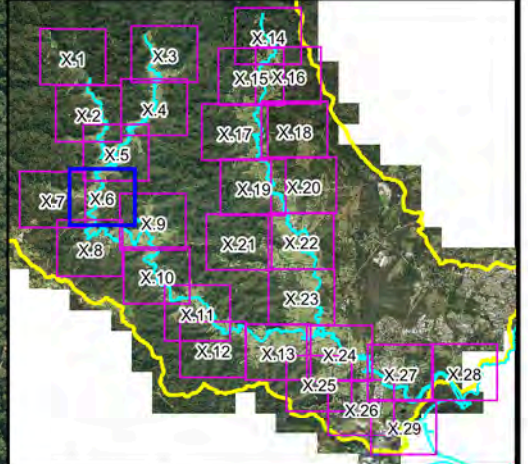
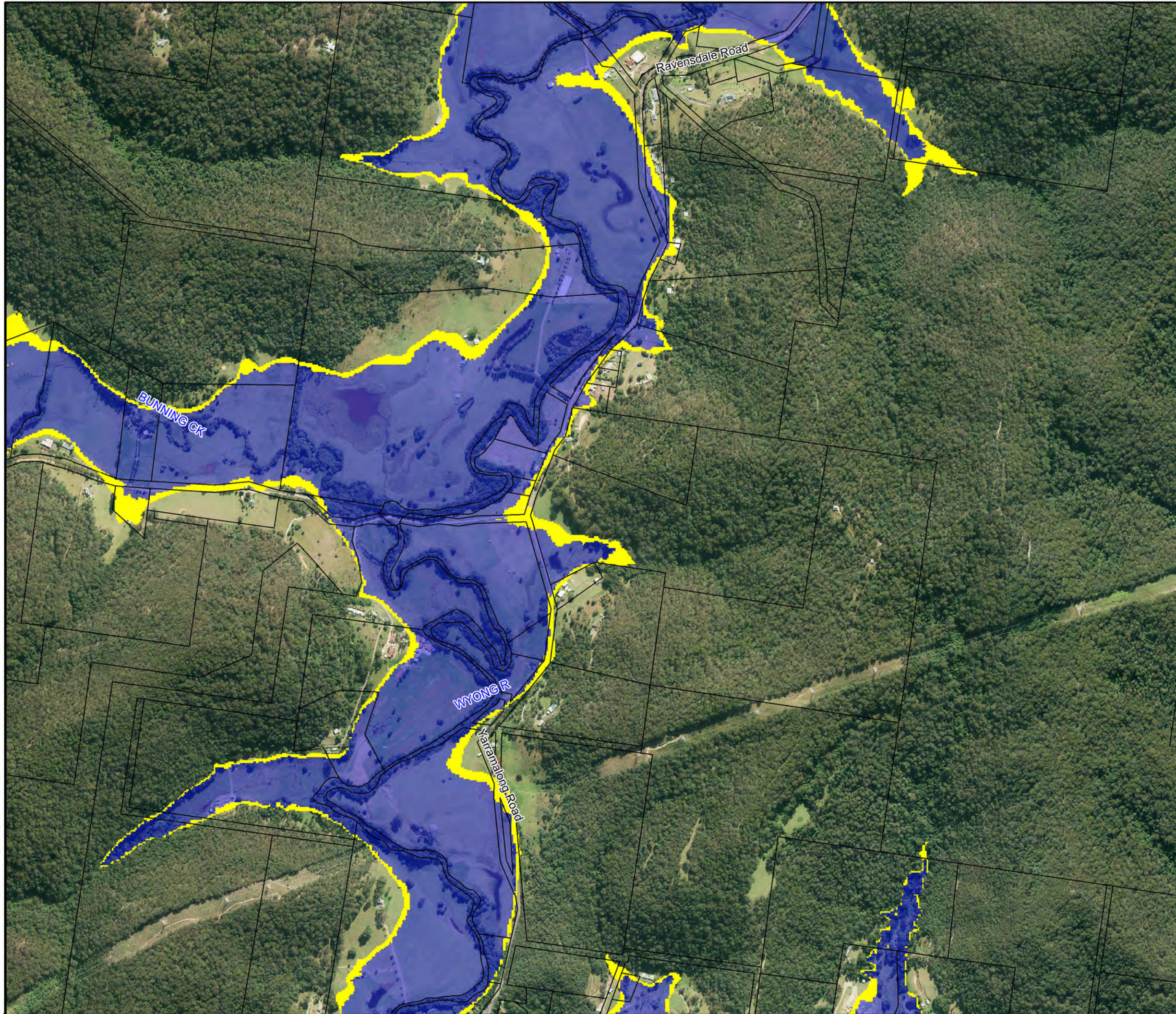


**Figure I4.5:
Areas Where Exceptional
Circumstances Should
Be Considered**

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

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





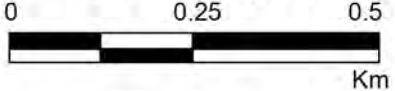
LEGEND

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

Notes:



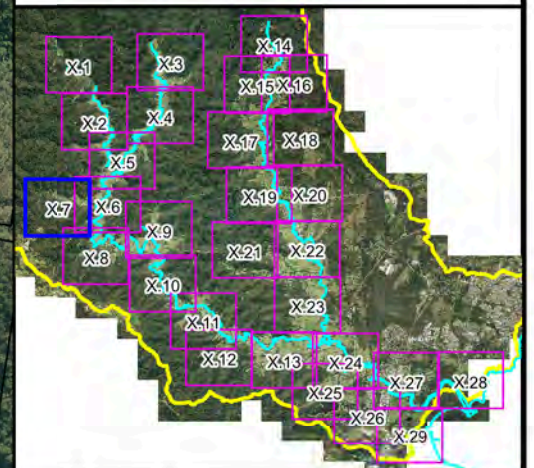
Scale 1:10,000 (at A3)





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

Prepared By:
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 Sydney, NSW 2000

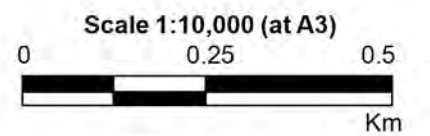
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

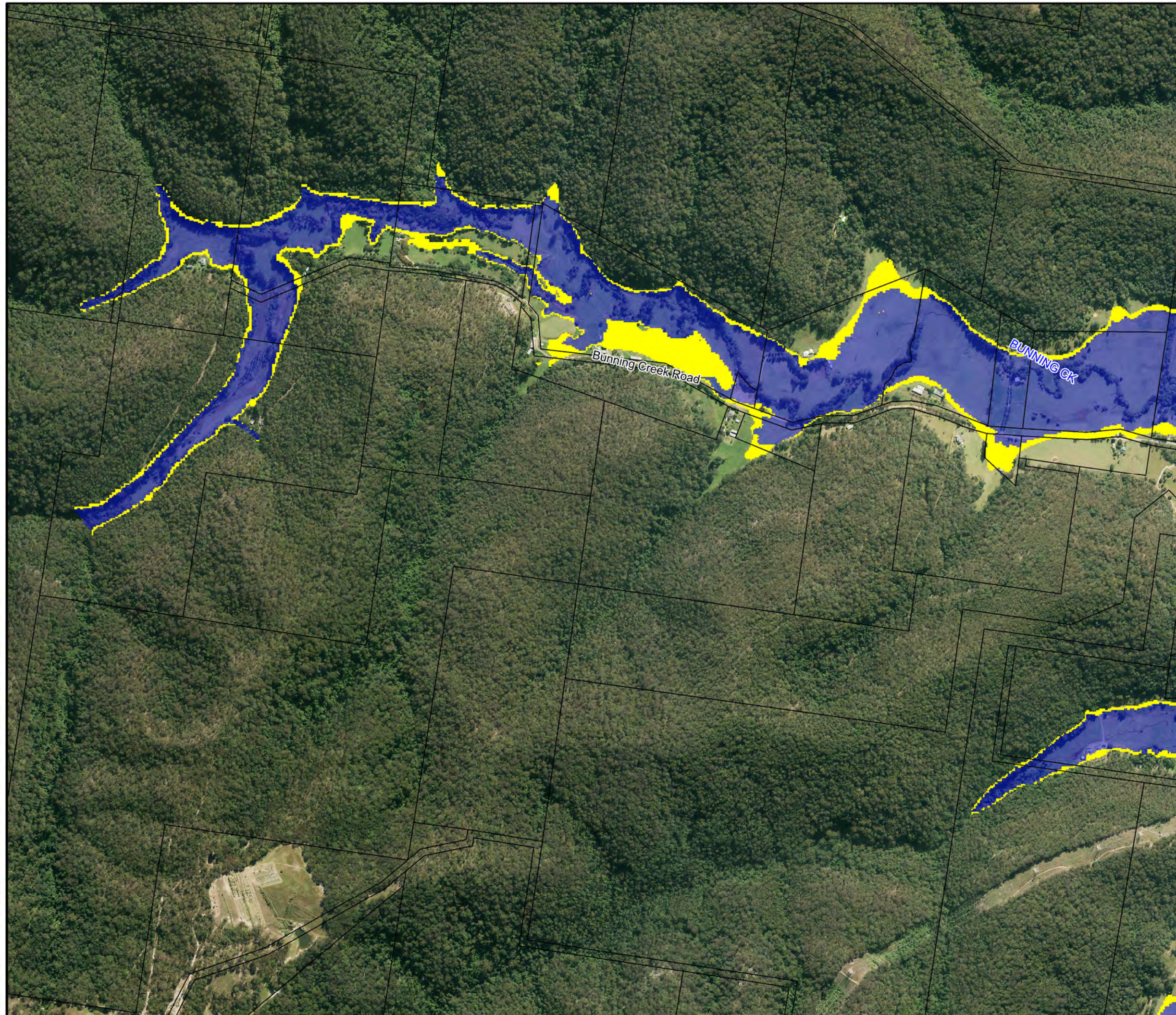
Notes:

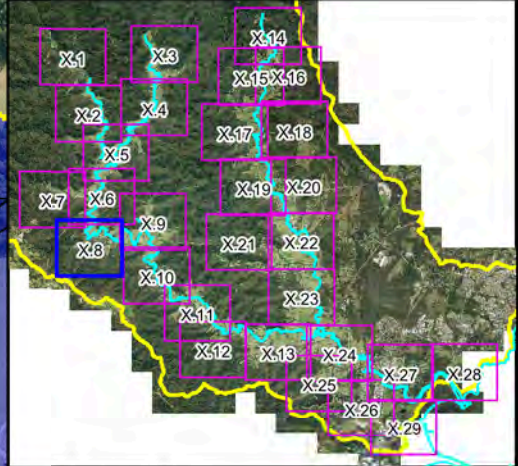
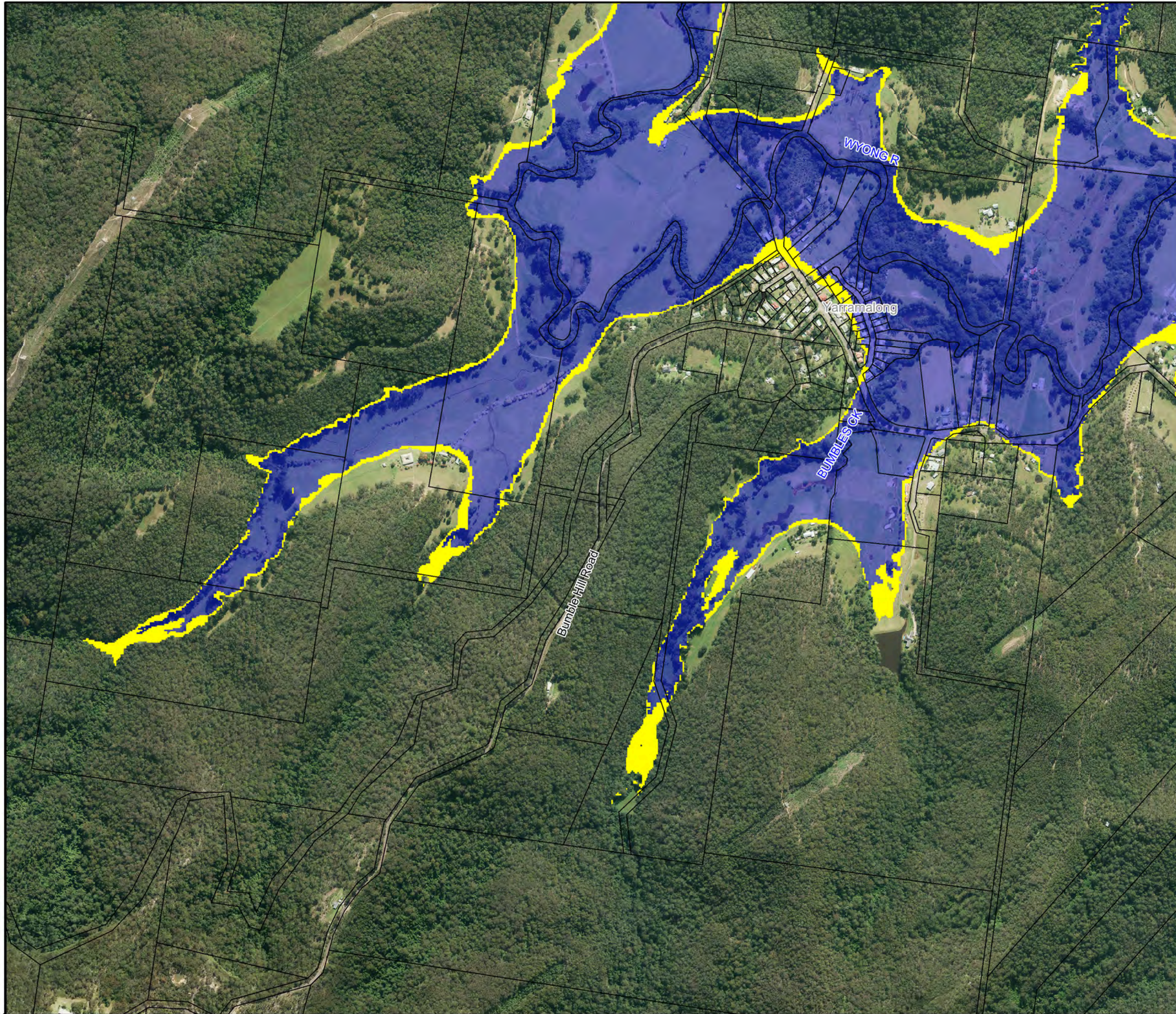


**Figure I4.7:
Areas Where Exceptional
Circumstances Should
Be Considered**



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

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

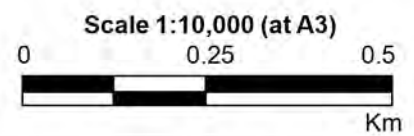





LEGEND

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

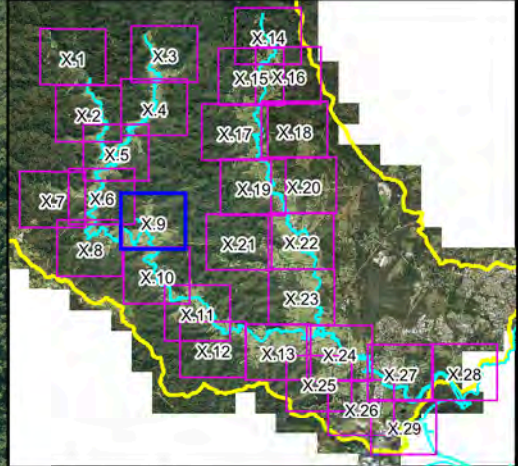
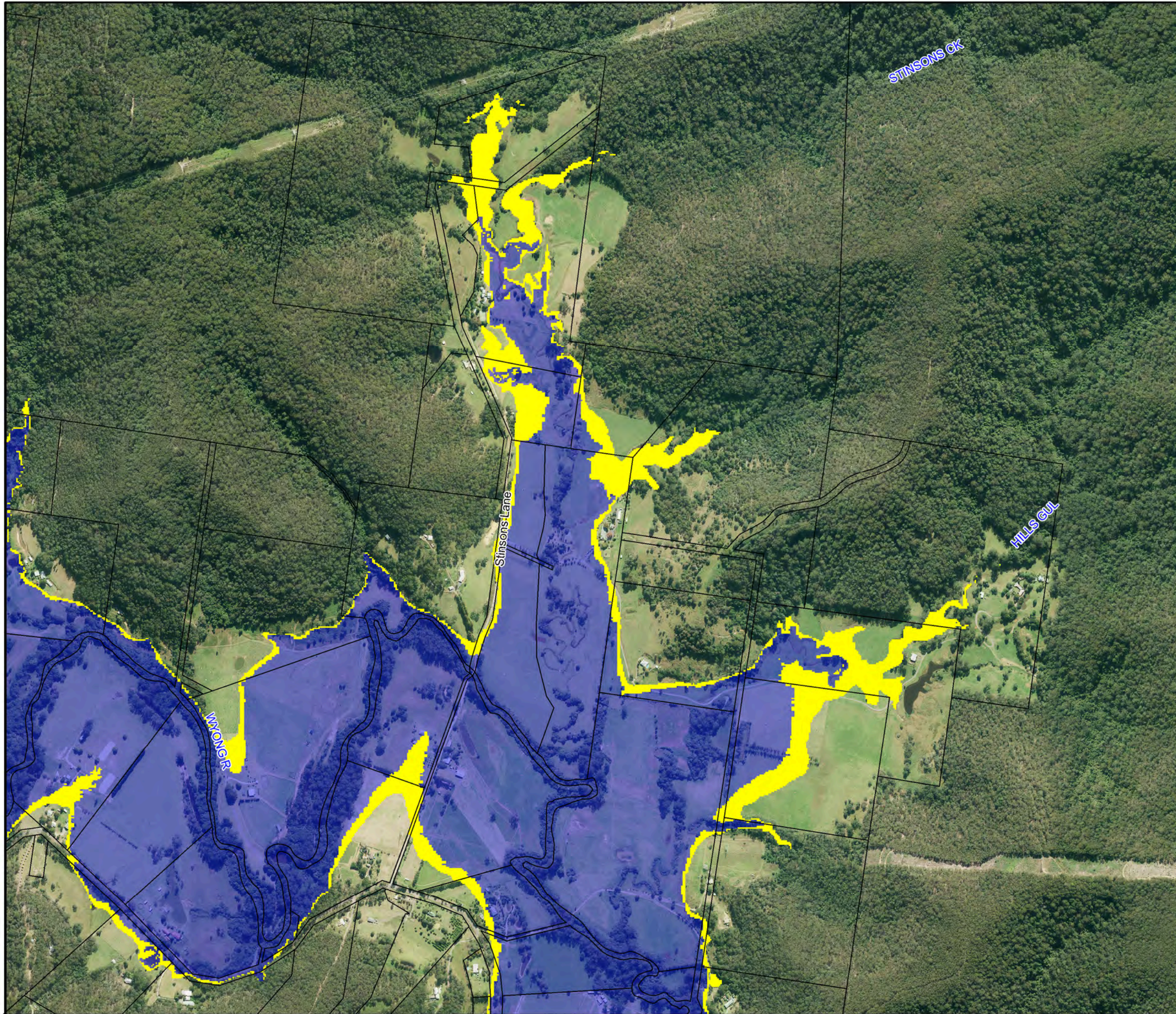
Notes:



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

Prepared By:
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Sydney, NSW 2000

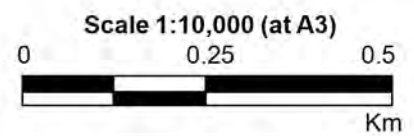
File Name: Areas Where Exceptional
Circumstances Should Be Considered.wor



LEGEND

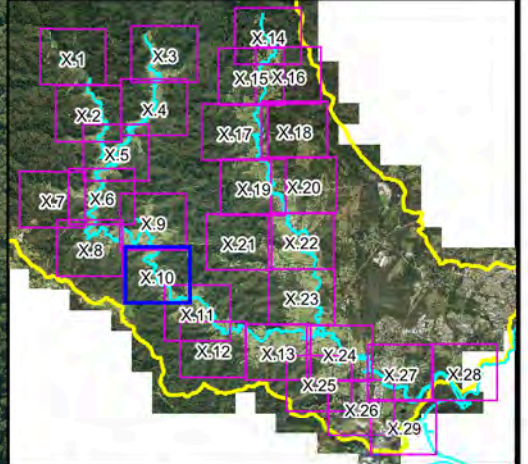
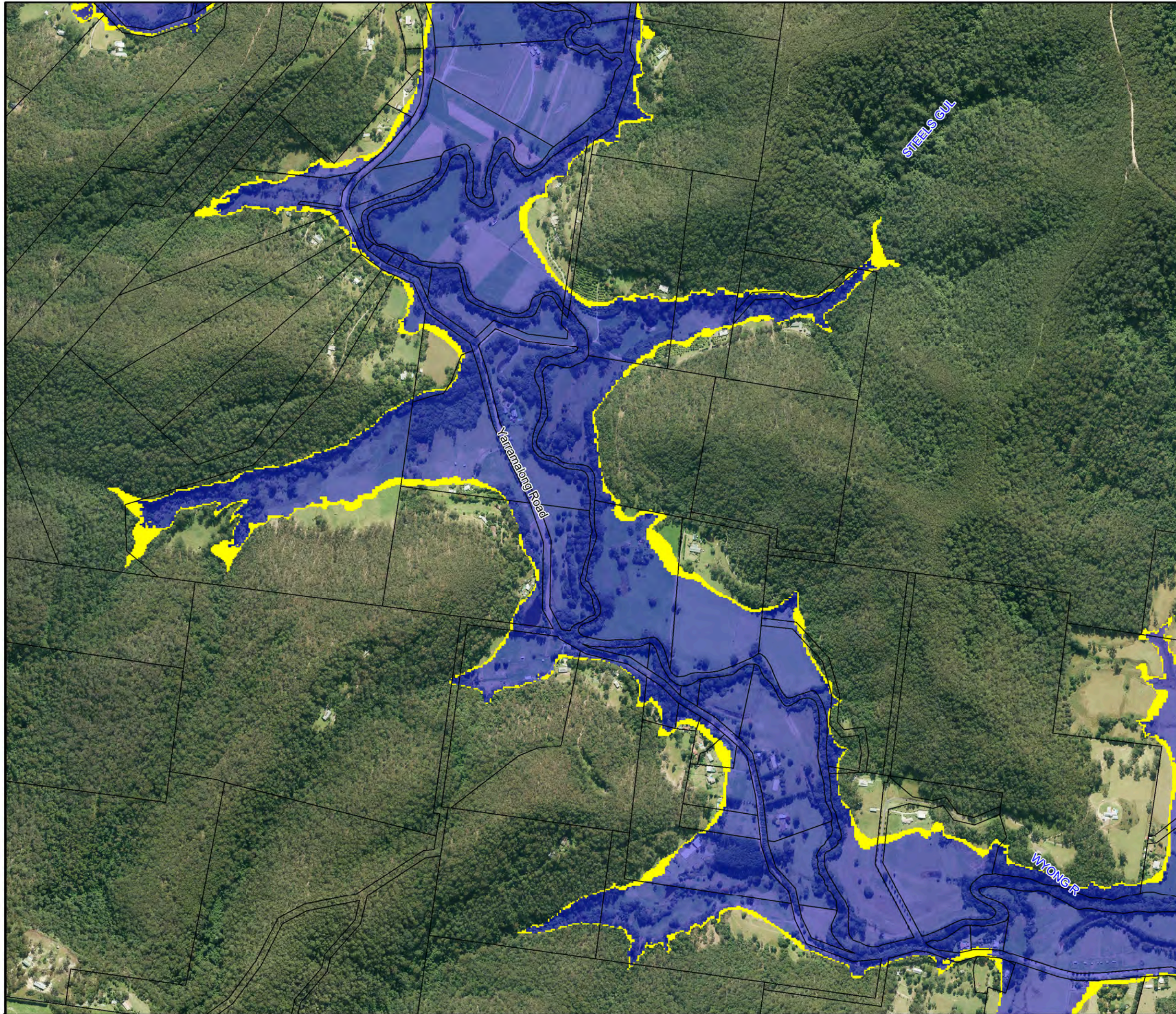
- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



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

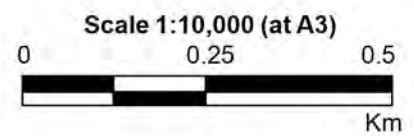
Prepared By:
Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000



LEGEND

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

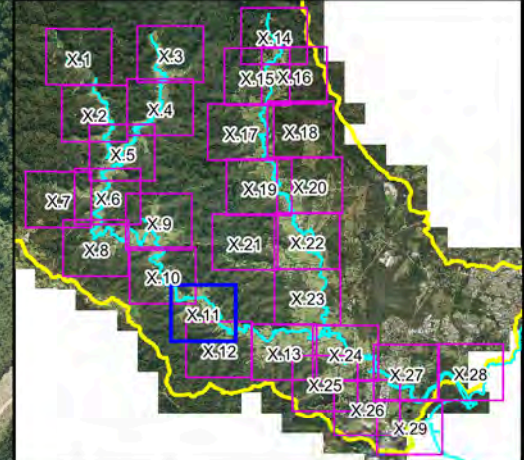
Notes:





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

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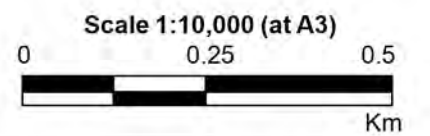
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

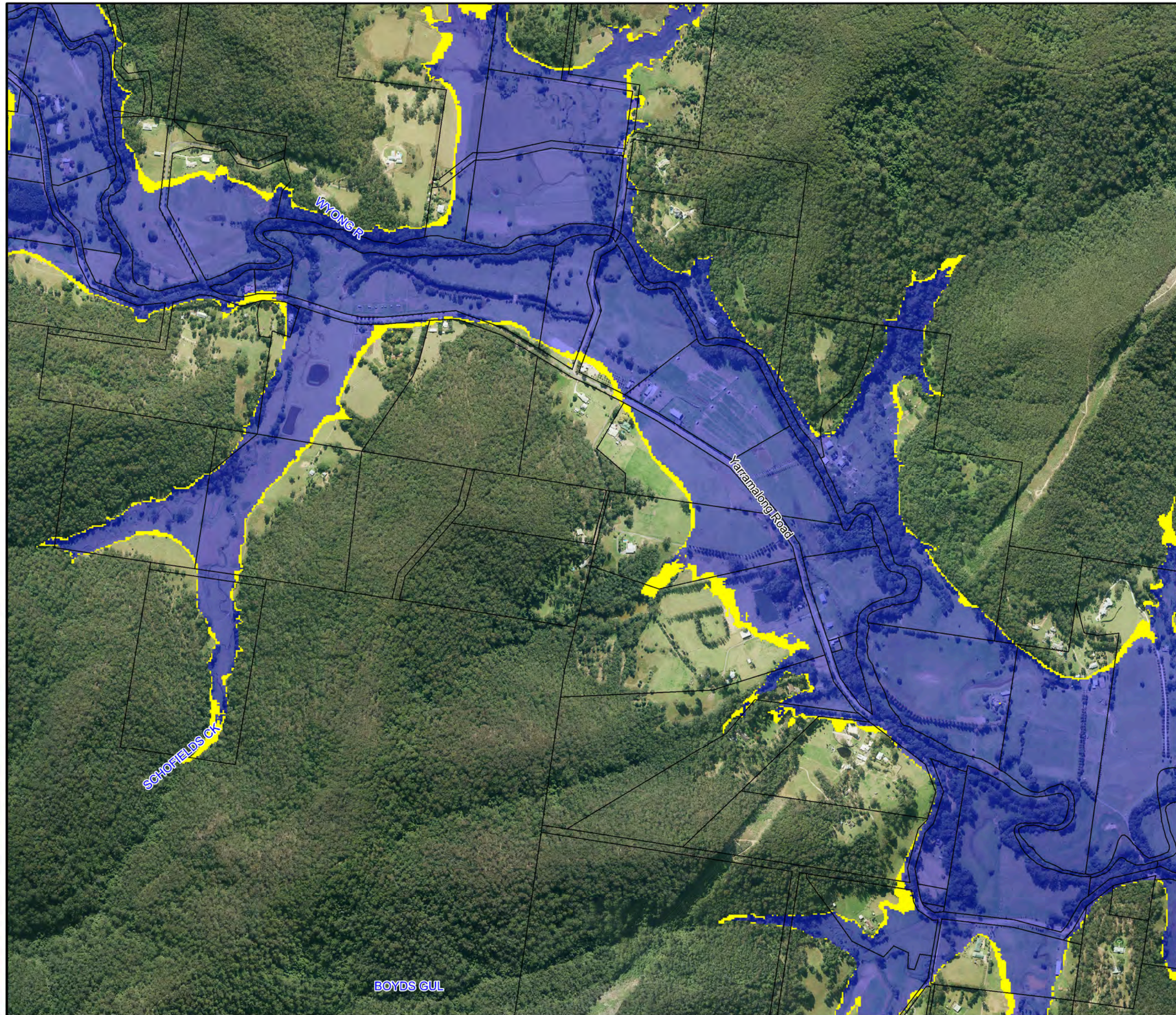
Notes:

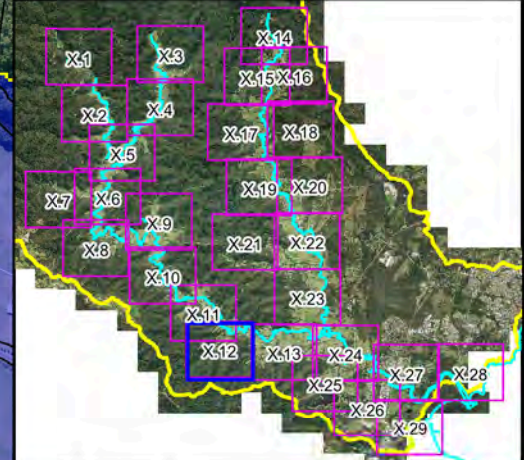


**Figure I4.11:
Areas Where Exceptional
Circumstances Should
Be Considered**



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

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

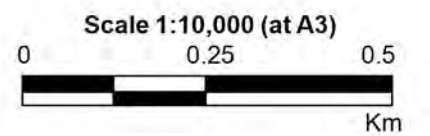





LEGEND

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

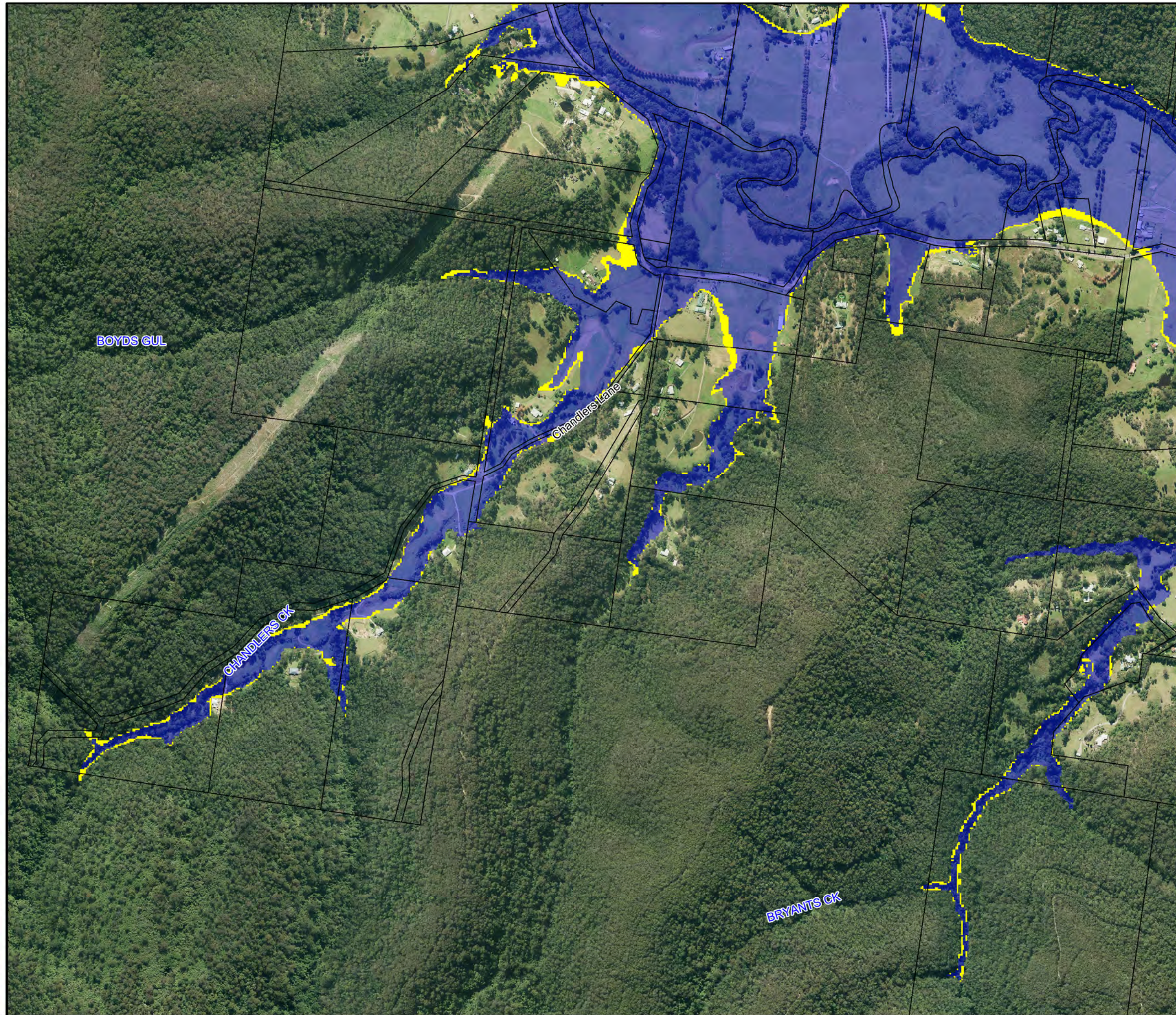
Notes:

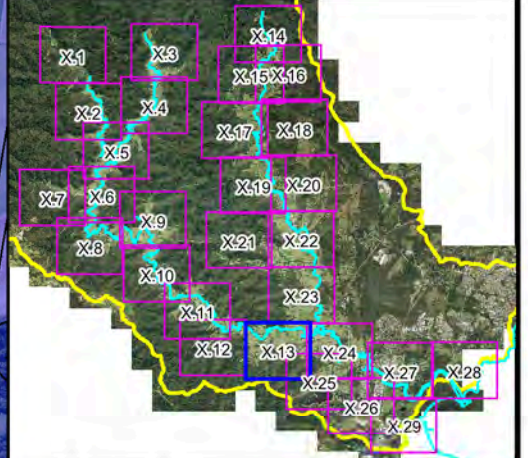
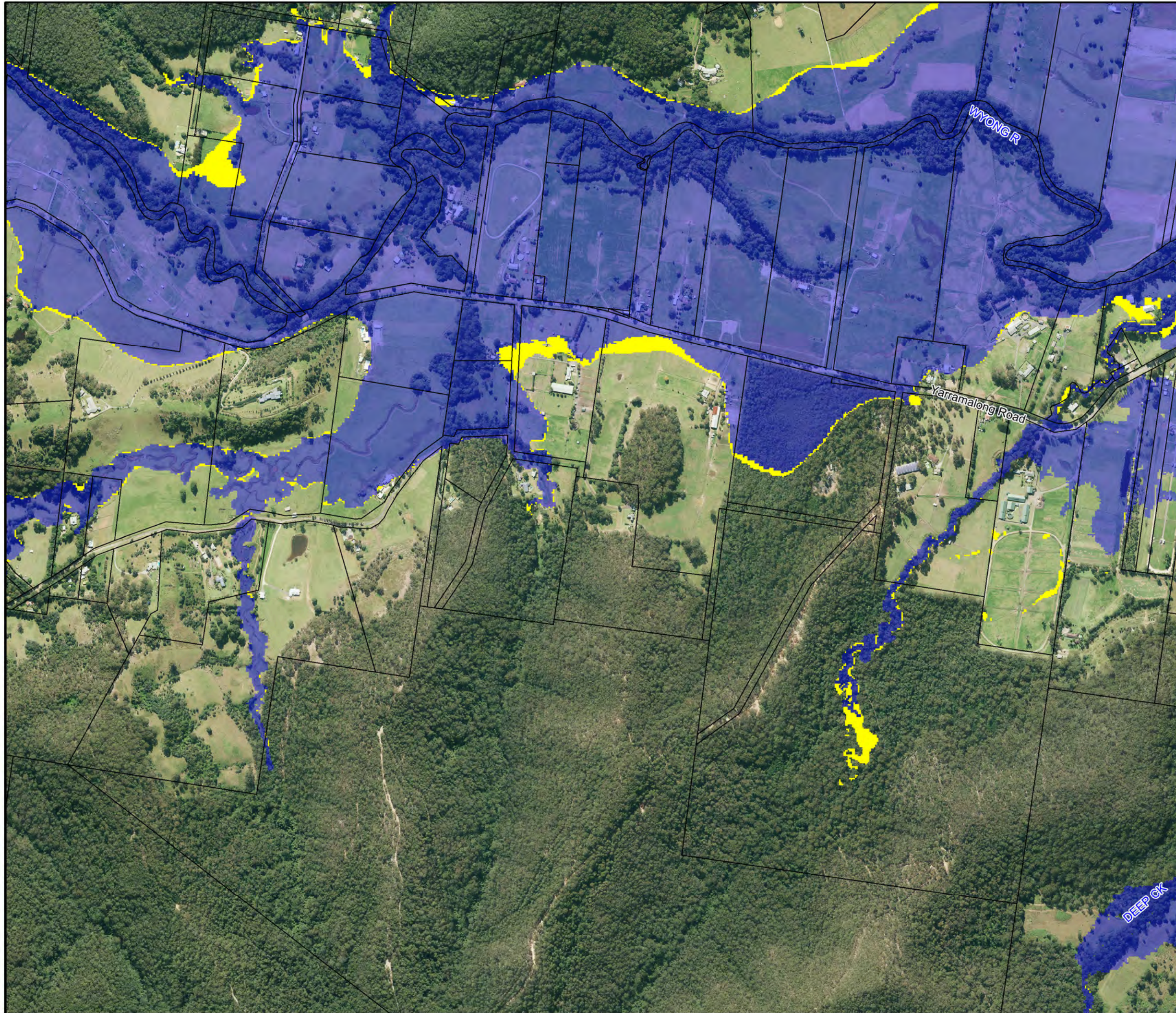


**Figure I4.12:
Areas Where Exceptional
Circumstances Should
Be Considered**

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

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





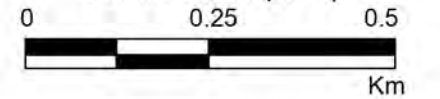
LEGEND

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

Notes:



Scale 1:10,000 (at A3)

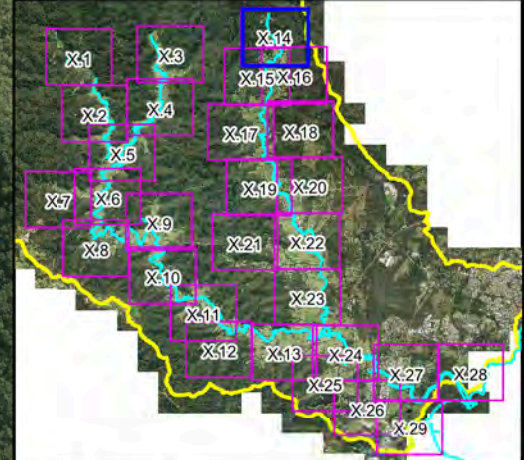


**Figure I4.13:
Areas Where Exceptional
Circumstances Should
Be Considered**



Prepared By:

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Sydney, NSW 2000

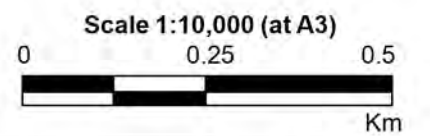
File Name: Areas Where Exceptional
Circumstances Should Be Considered.wor




LEGEND

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

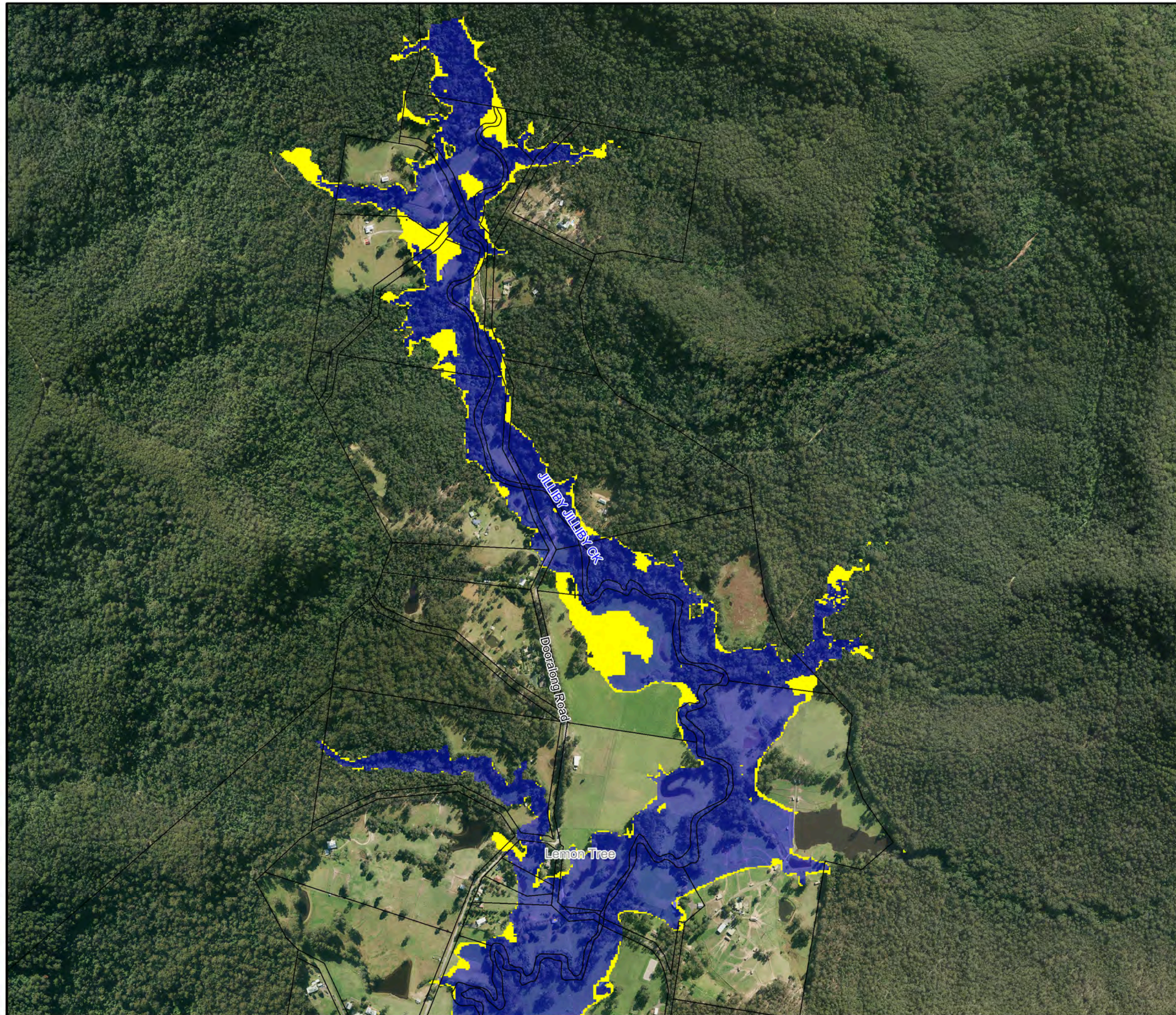
Notes:

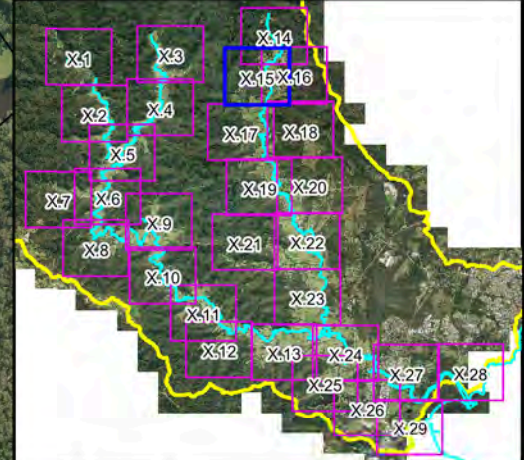


**Figure I4.14:
Areas Where Exceptional
Circumstances Should
Be Considered**



Prepared By:
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Sydney, NSW 2000

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

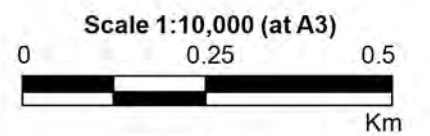





LEGEND

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

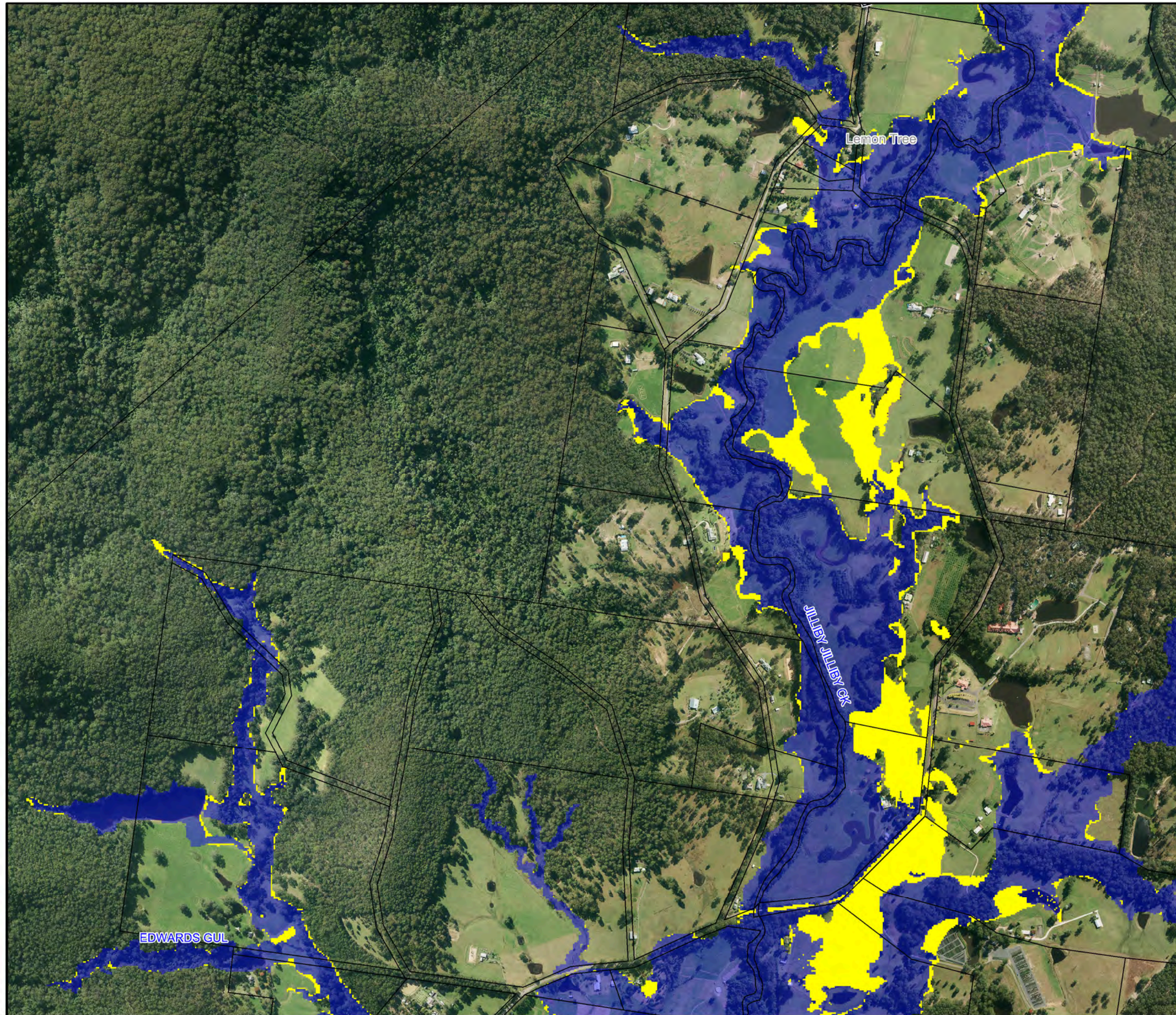
Notes:

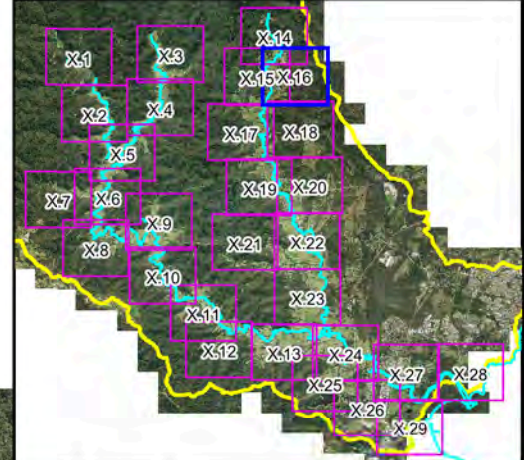
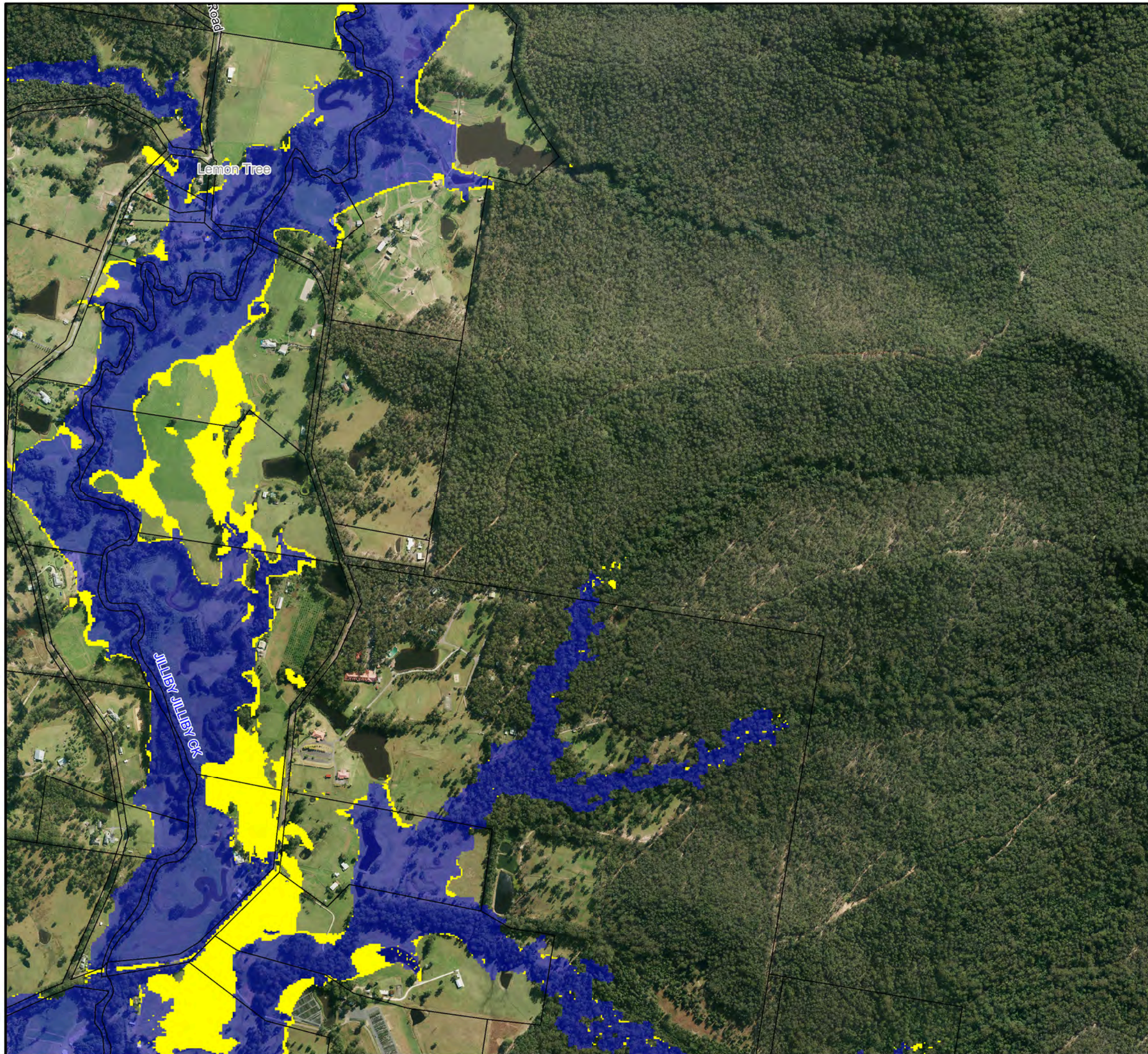


**Figure I4.15:
Areas Where Exceptional
Circumstances Should
Be Considered**

Prepared By:
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Sydney, NSW 2000

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

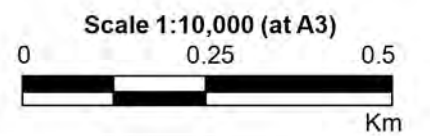




LEGEND

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

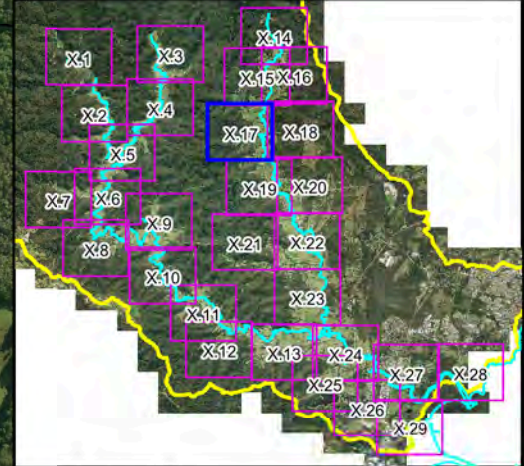
Notes:





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

Prepared By:
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 Sydney, NSW 2000

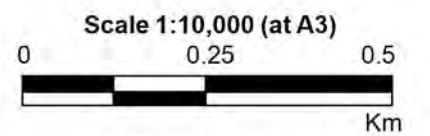
File Name: Areas Where Exceptional
Circumstances Should Be Considered.wor




LEGEND

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

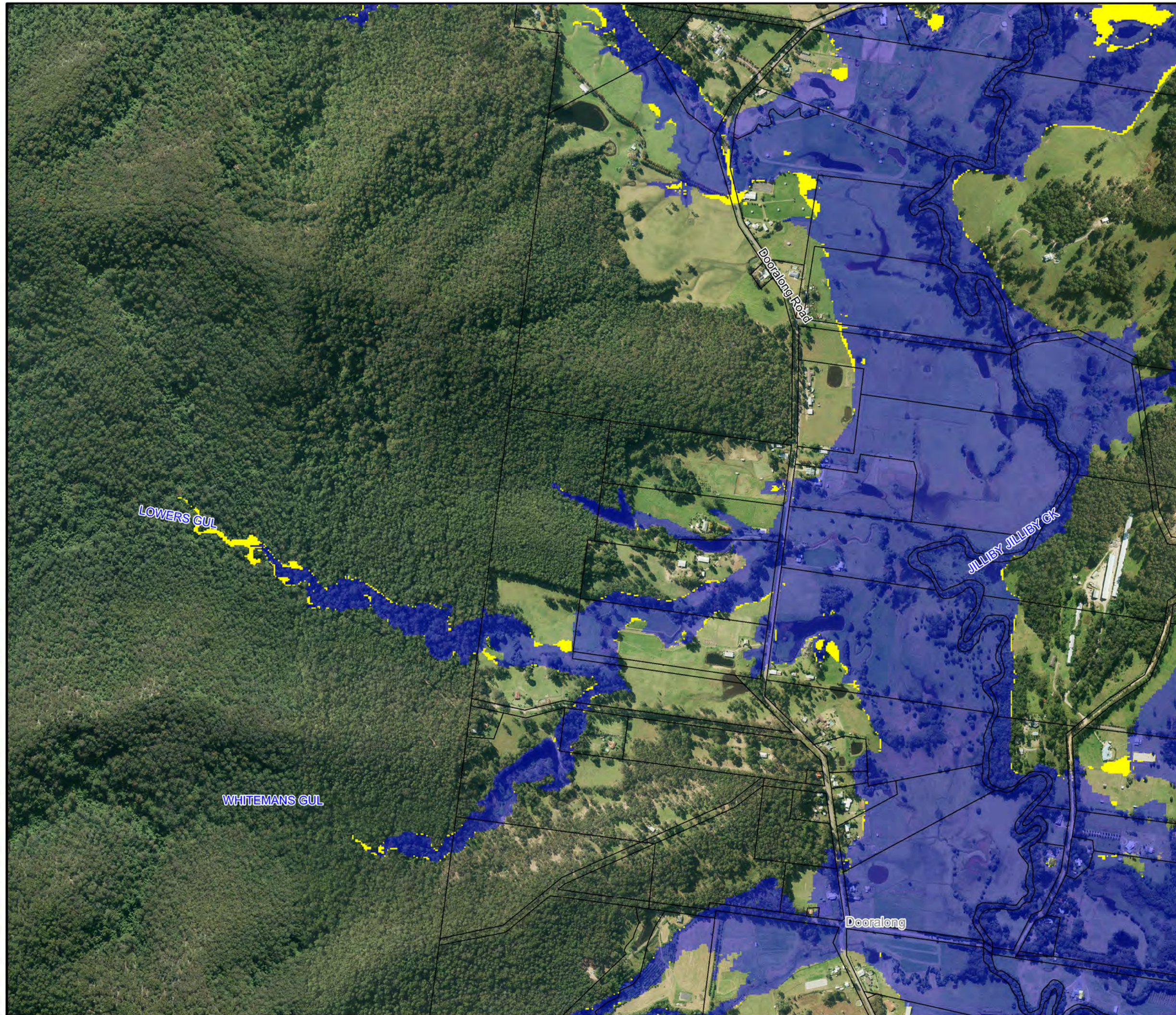
Notes:

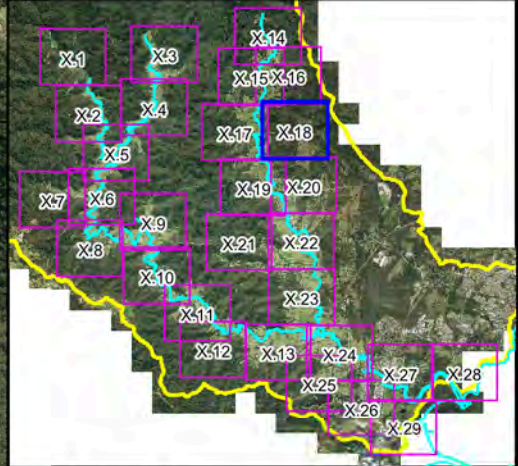
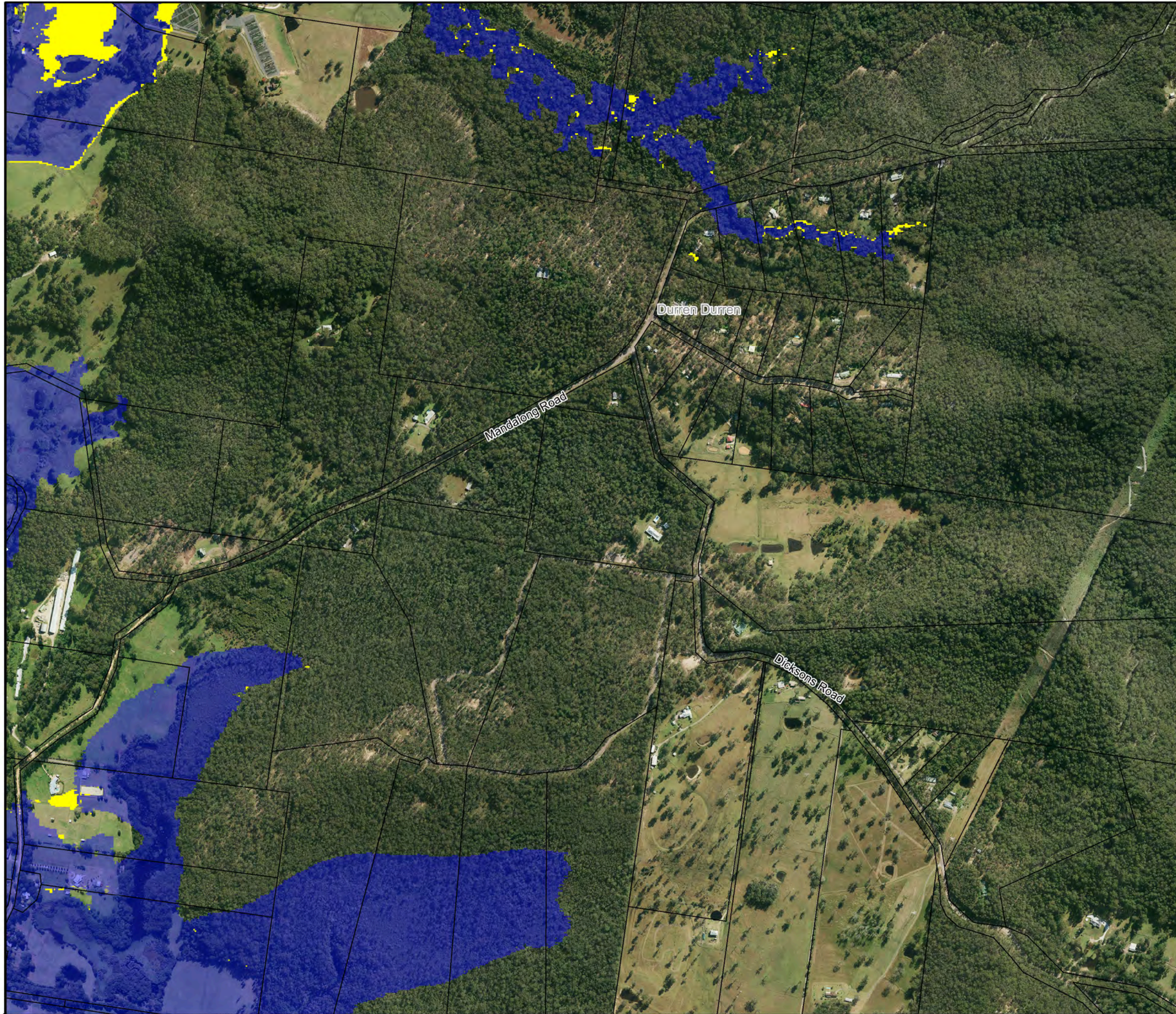


**Figure I4.17:
Areas Where Exceptional
Circumstances Should
Be Considered**

Prepared By:
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Sydney, NSW 2000

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

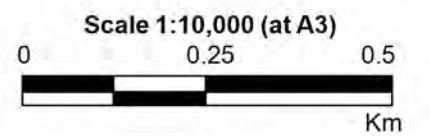




LEGEND

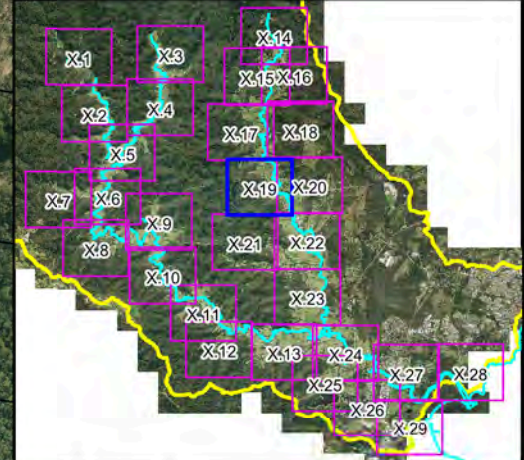
- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:





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

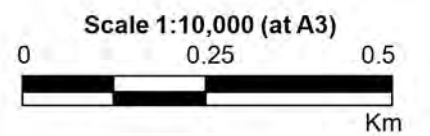
Prepared By:
Catchment Simulation Solutions
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 Sydney, NSW 2000




LEGEND

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

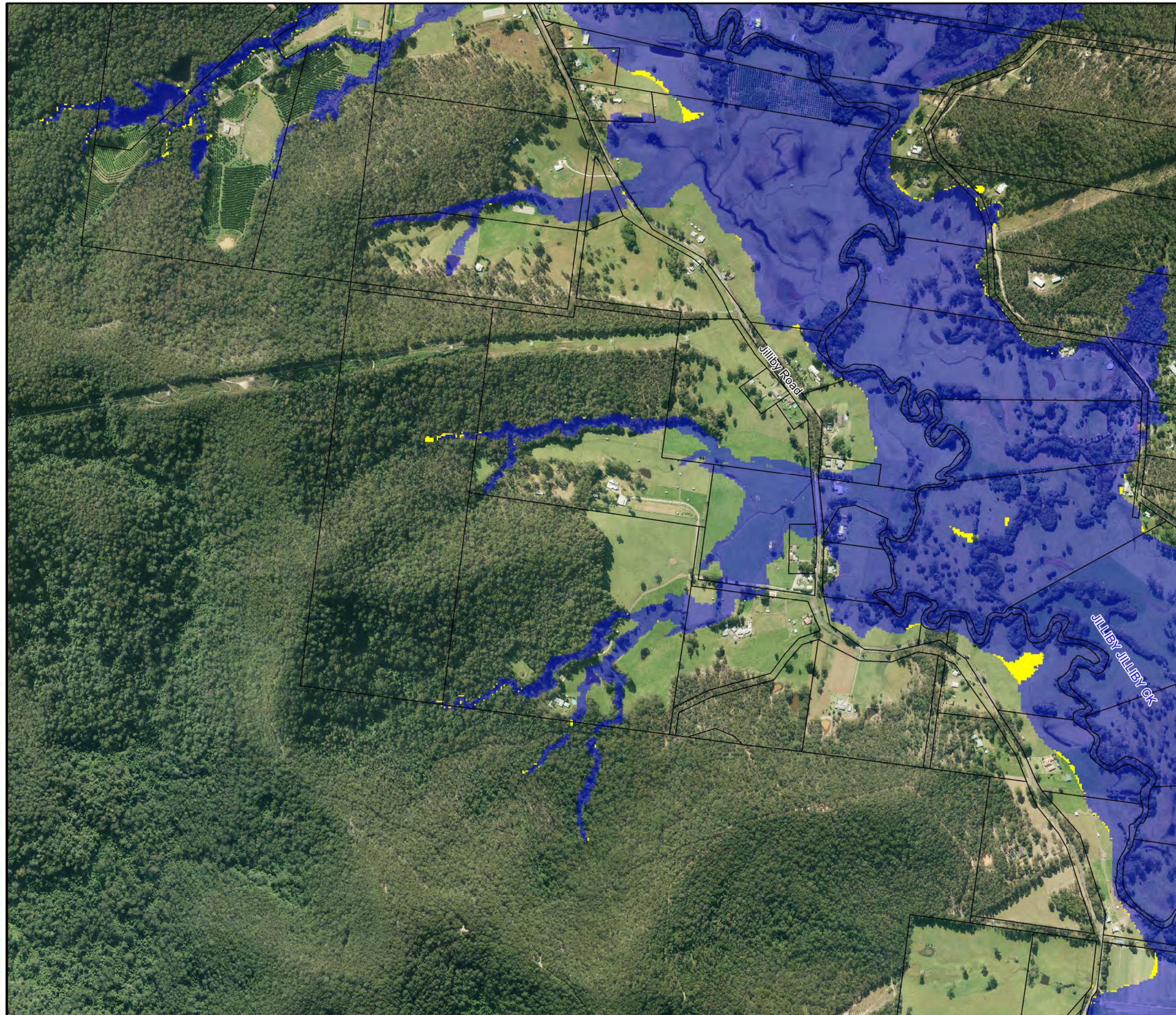
Notes:

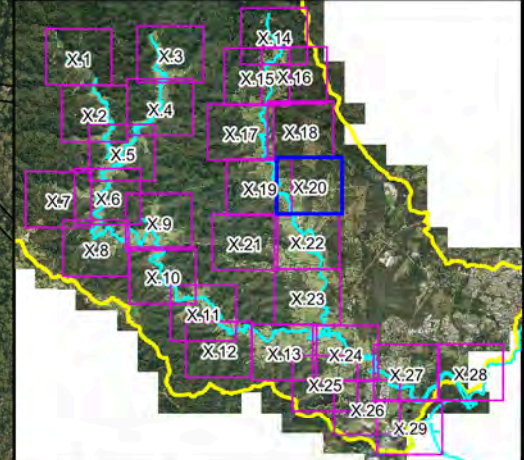


**Figure I4.19:
Areas Where Exceptional
Circumstances Should
Be Considered**



Prepared By:
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Sydney, NSW 2000

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

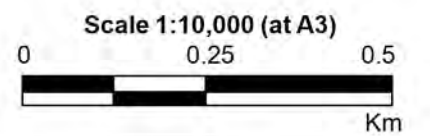





LEGEND

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

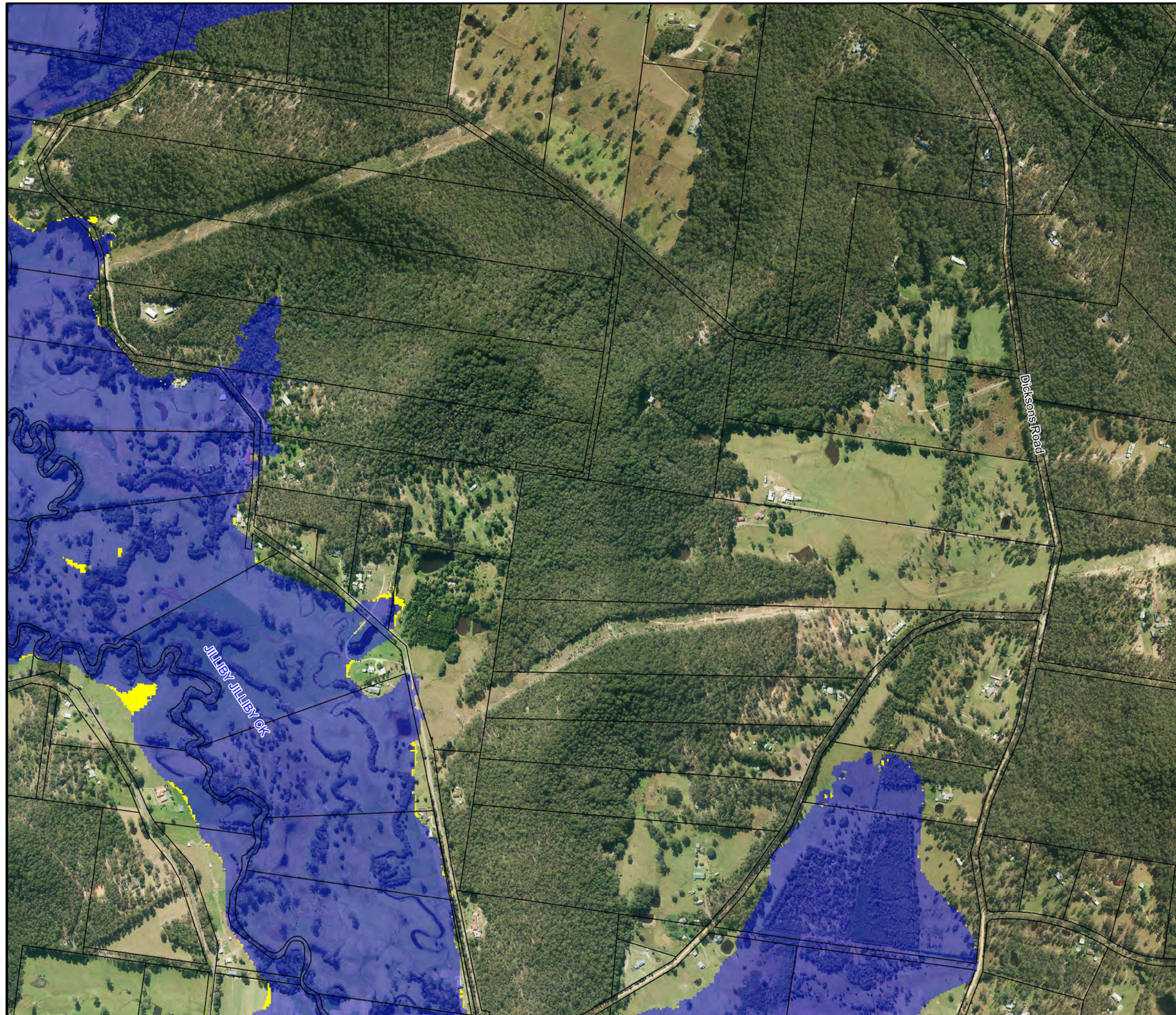
Notes:

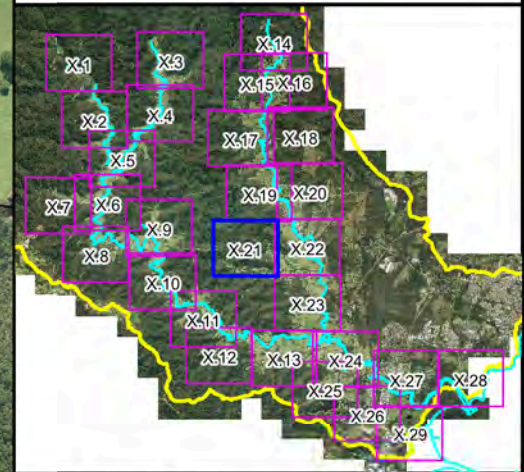
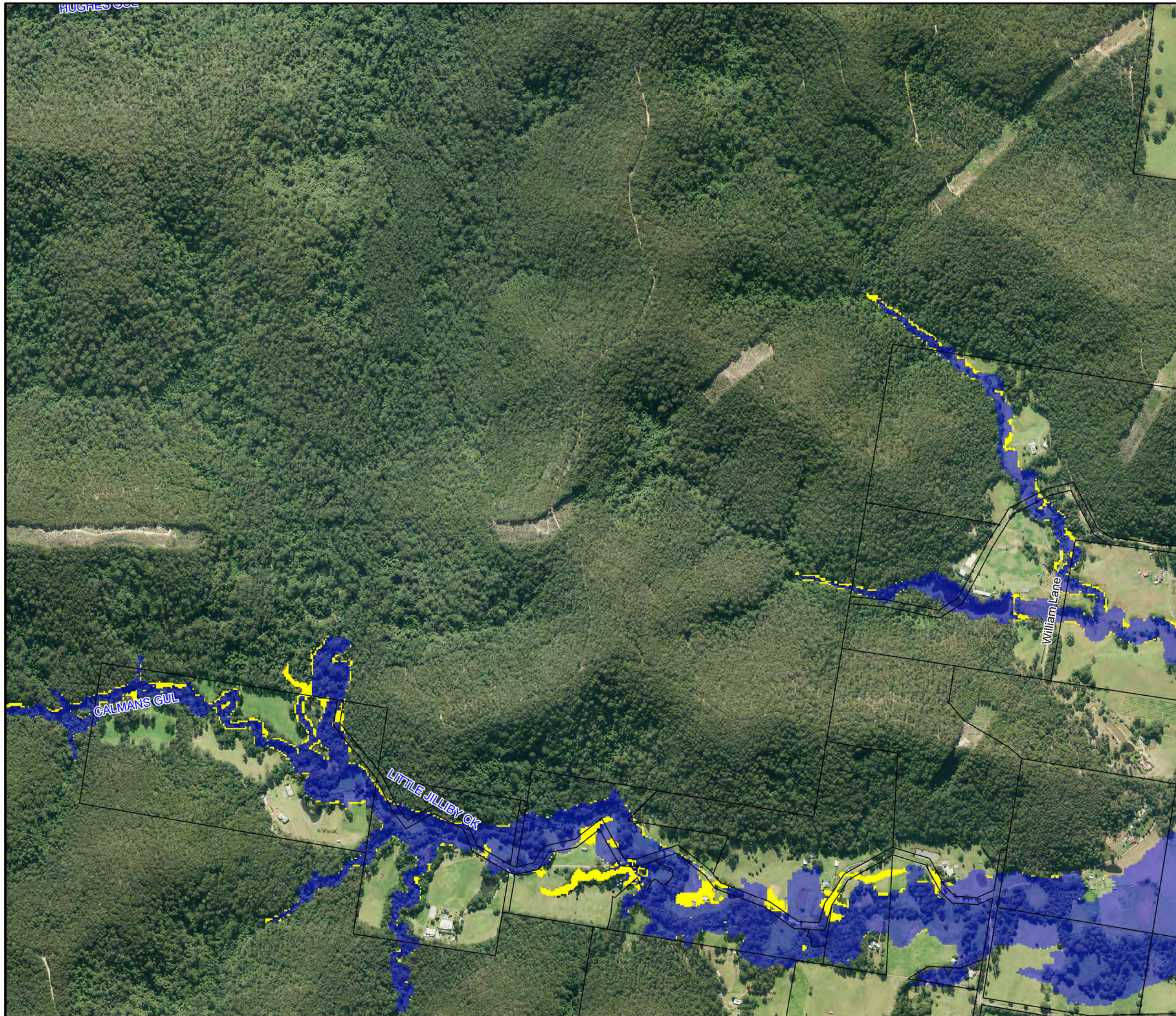


**Figure I4.20:
Areas Where Exceptional
Circumstances Should
Be Considered**

Prepared By:
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Sydney, NSW 2000

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

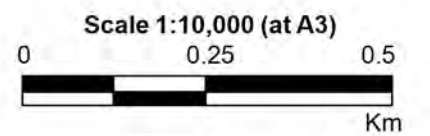




LEGEND

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

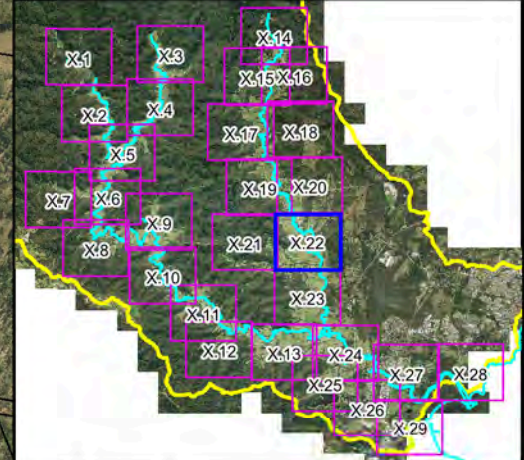
Notes:





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

Prepared By:
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 Sydney, NSW 2000

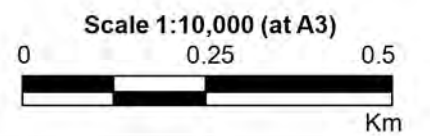
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

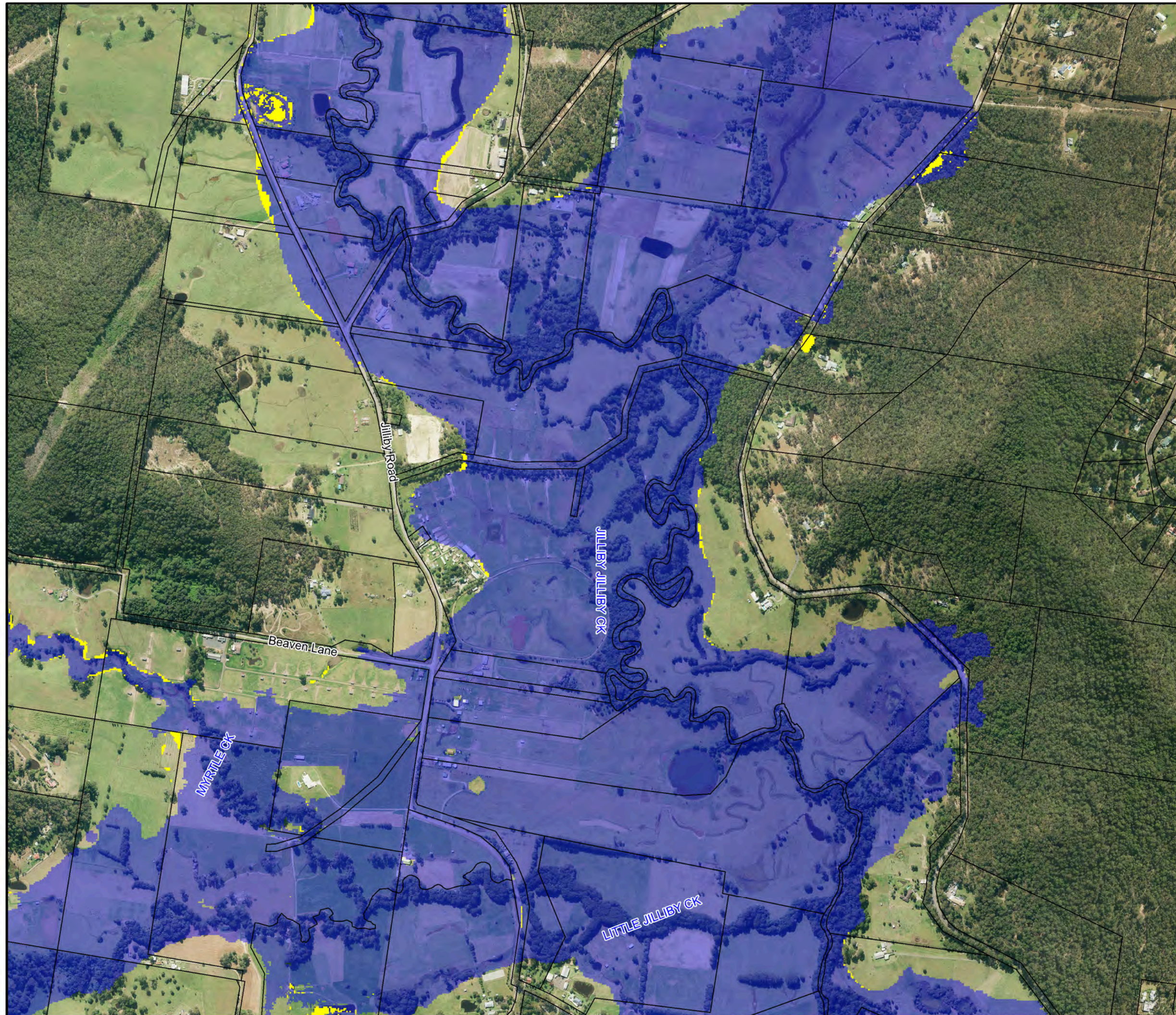
Notes:

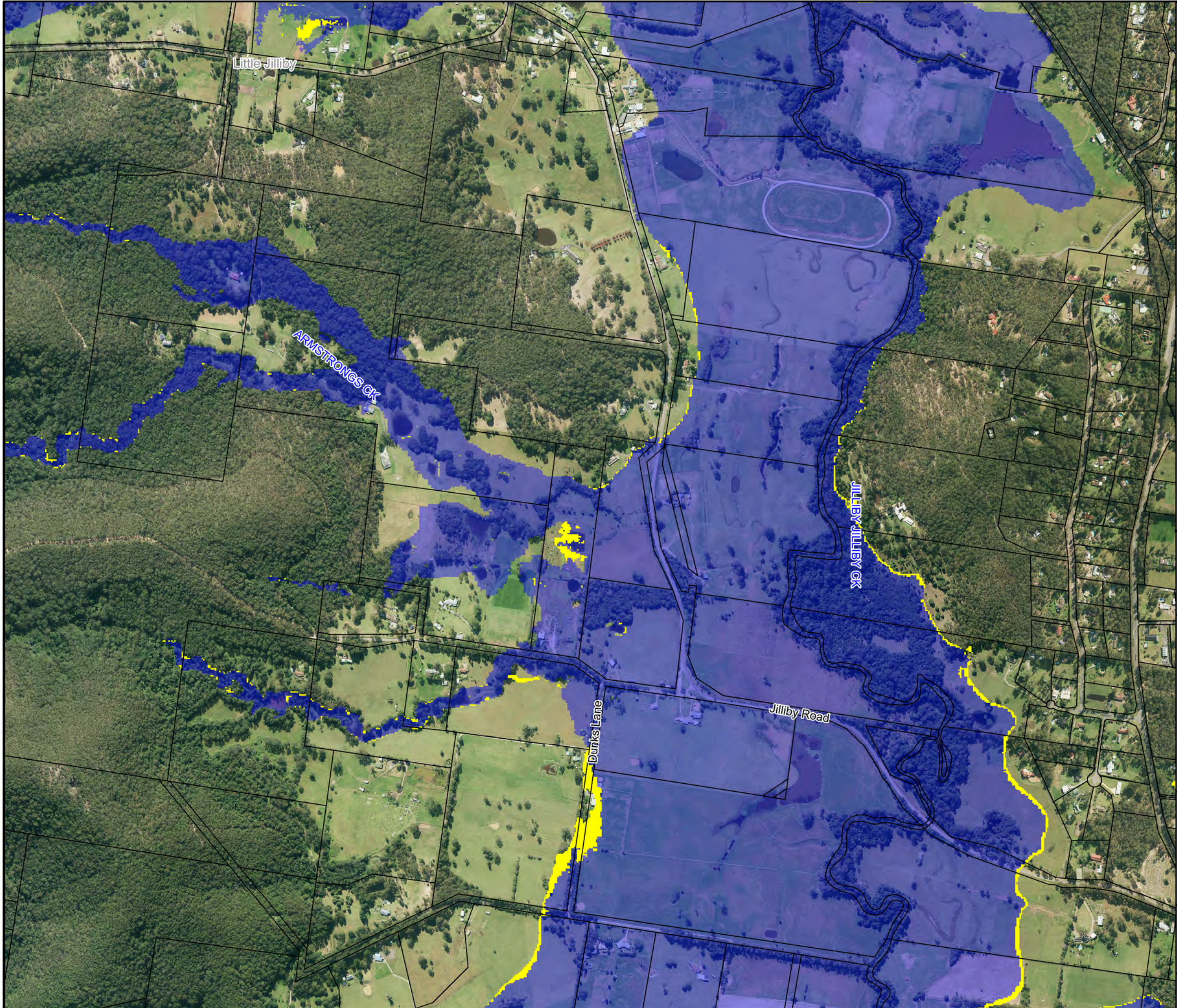
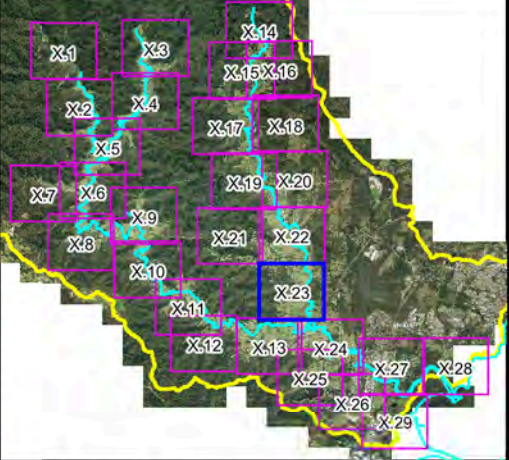


**Figure I4.22:
Areas Where Exceptional
Circumstances Should
Be Considered**



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

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

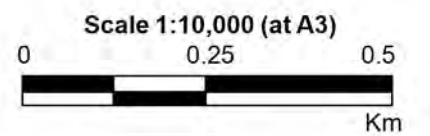





LEGEND

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

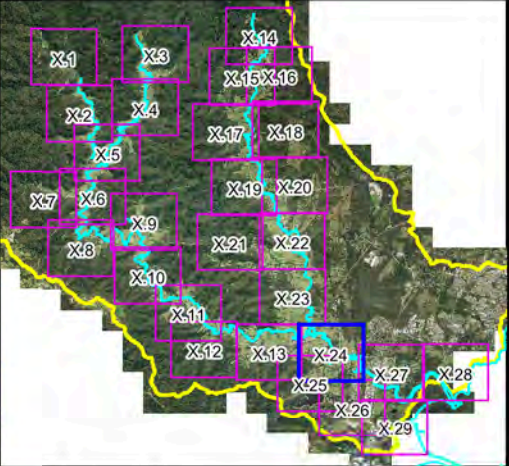
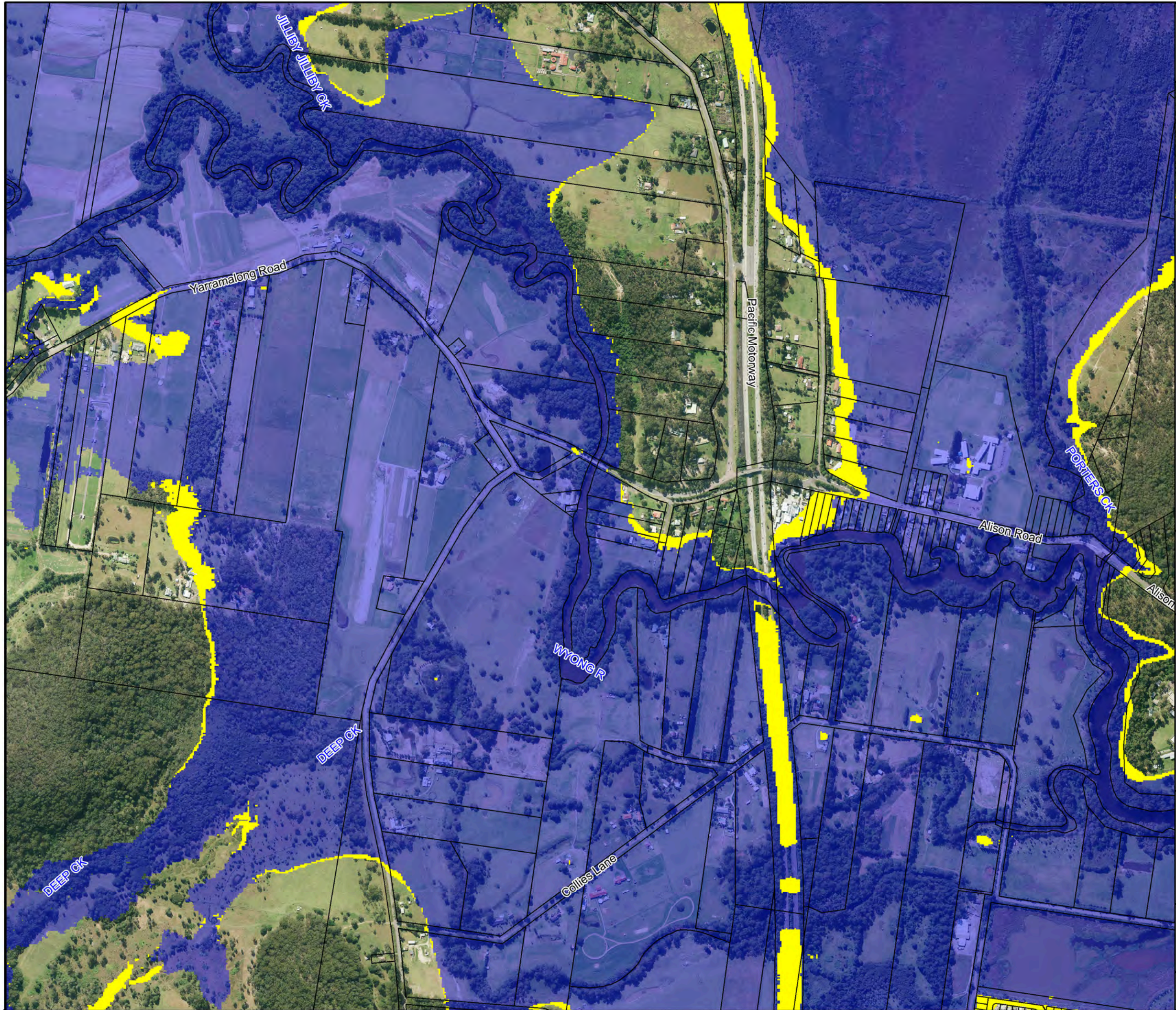
Notes:



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

Prepared By:
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Sydney, NSW 2000

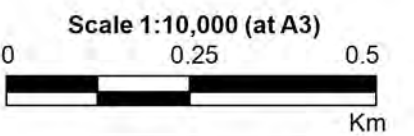
File Name: Areas Where Exceptional
Circumstances Should Be Considered.wor



LEGEND

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

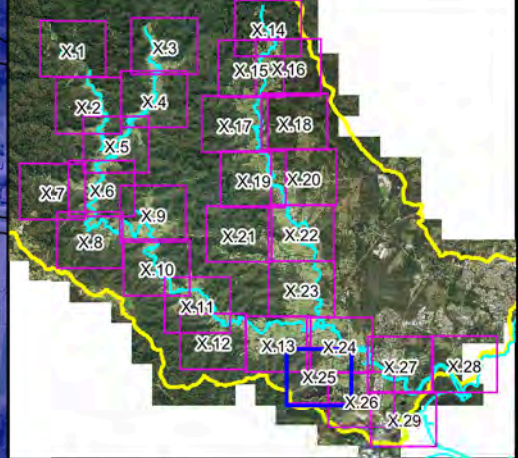
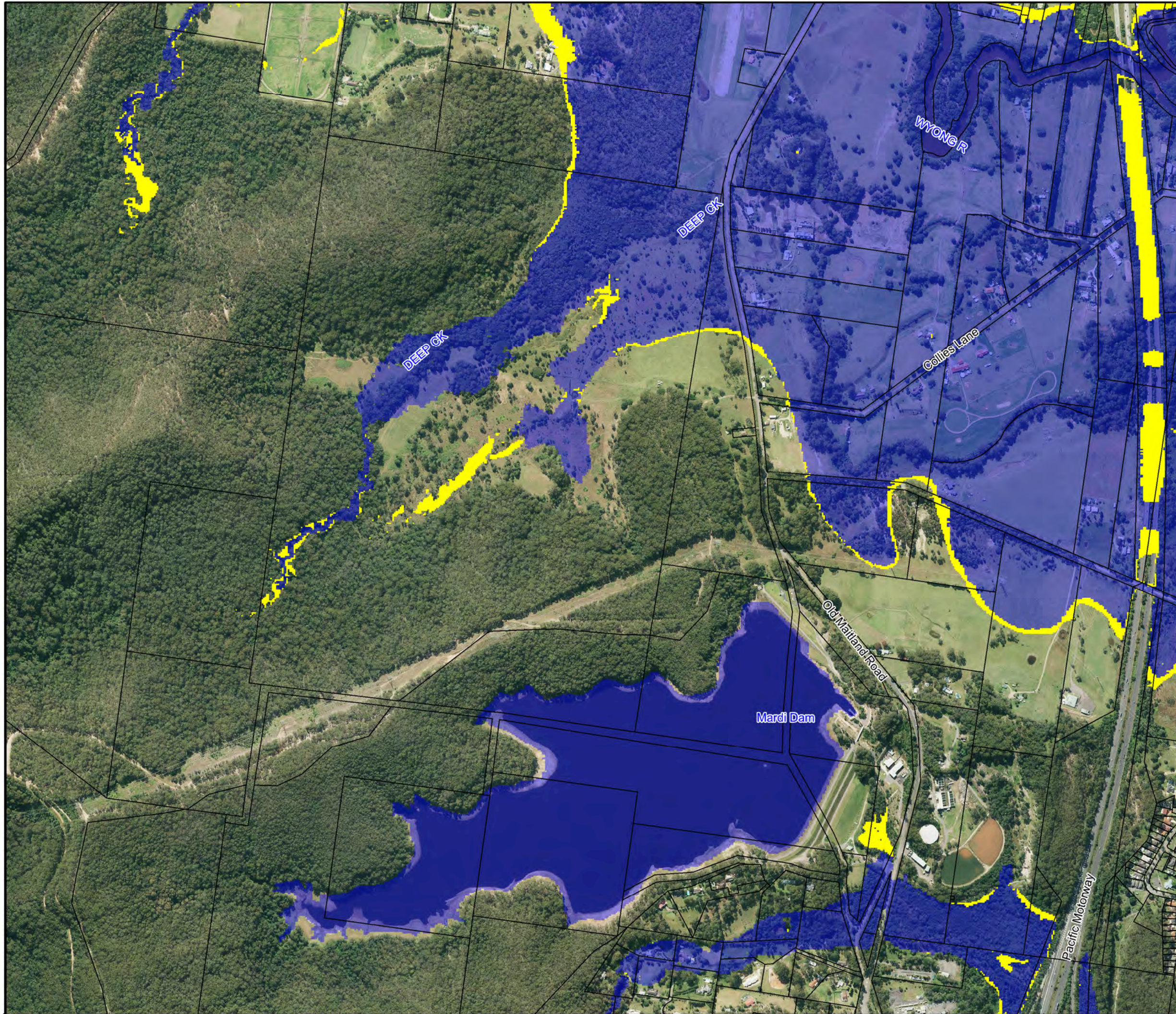
Notes:





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

Prepared By:
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 Sydney, NSW 2000

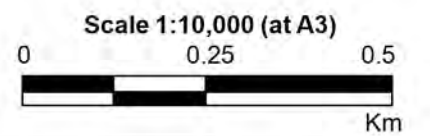
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor




LEGEND

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

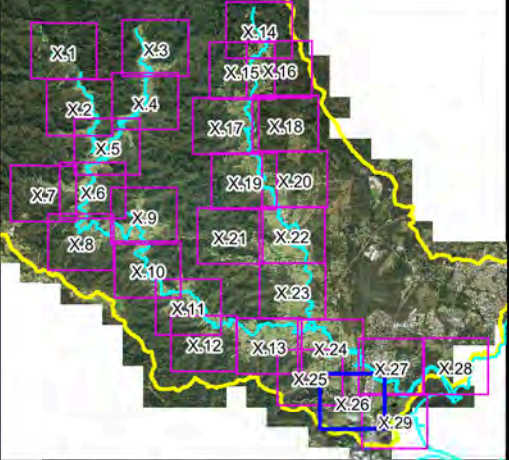
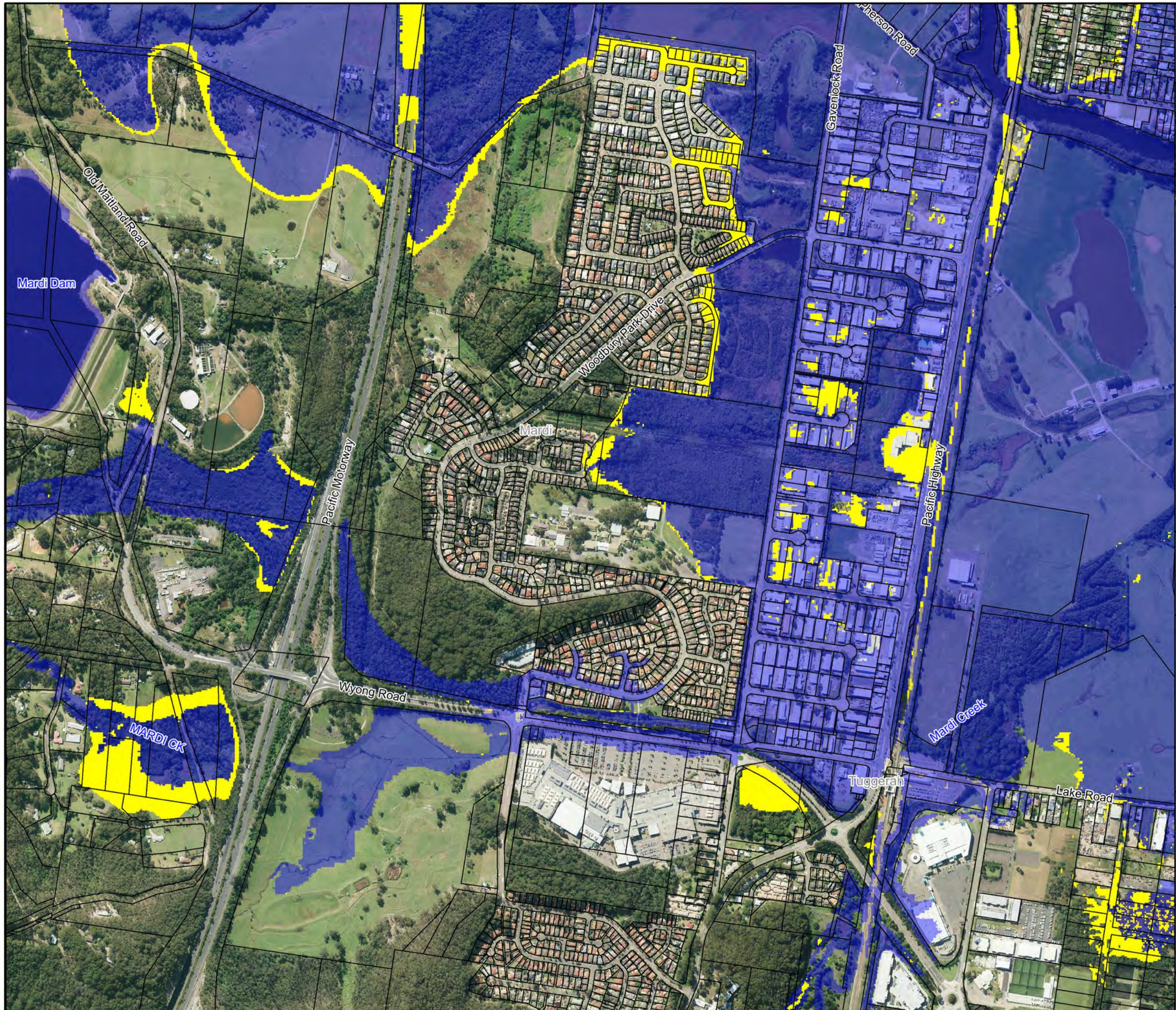
Notes:



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

Prepared By:
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Sydney, NSW 2000

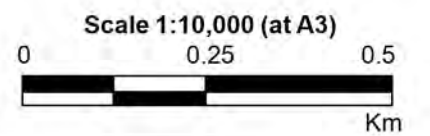
File Name: Areas Where Exceptional
Circumstances Should Be Considered.wor



LEGEND

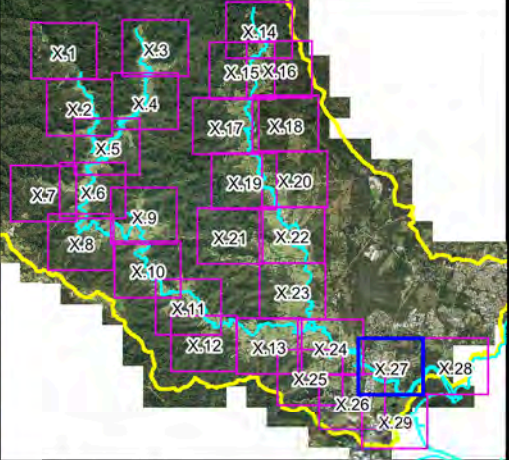
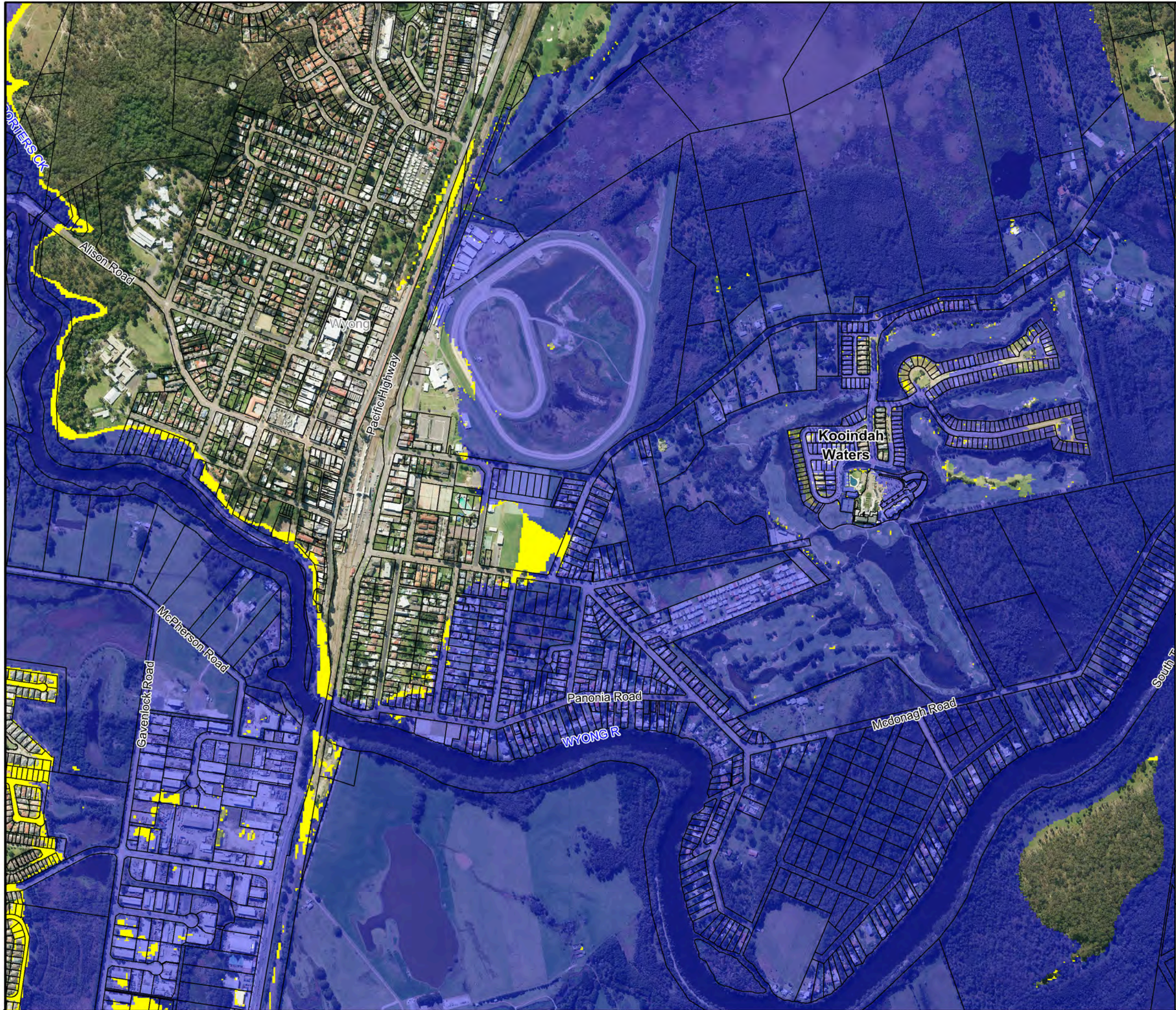
- Areas where exceptional circumstances should be considered
- Flood Planning Area

Notes:



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

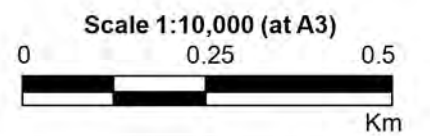
Prepared By:
Catchment Simulation Solutions
 Suite 2.01, 210 George St
 Sydney, NSW 2000



LEGEND

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

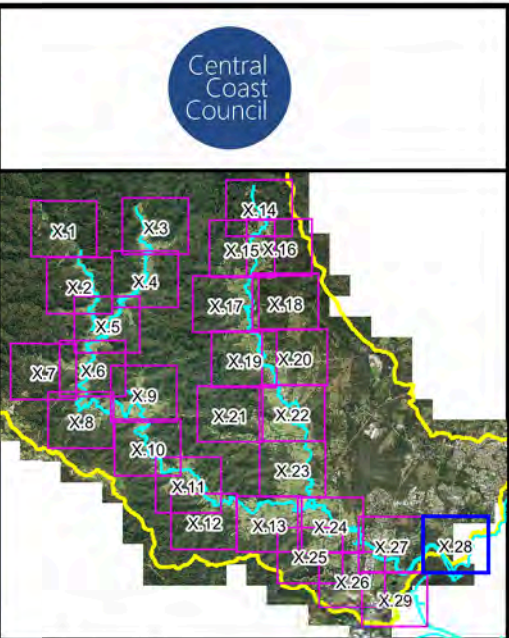
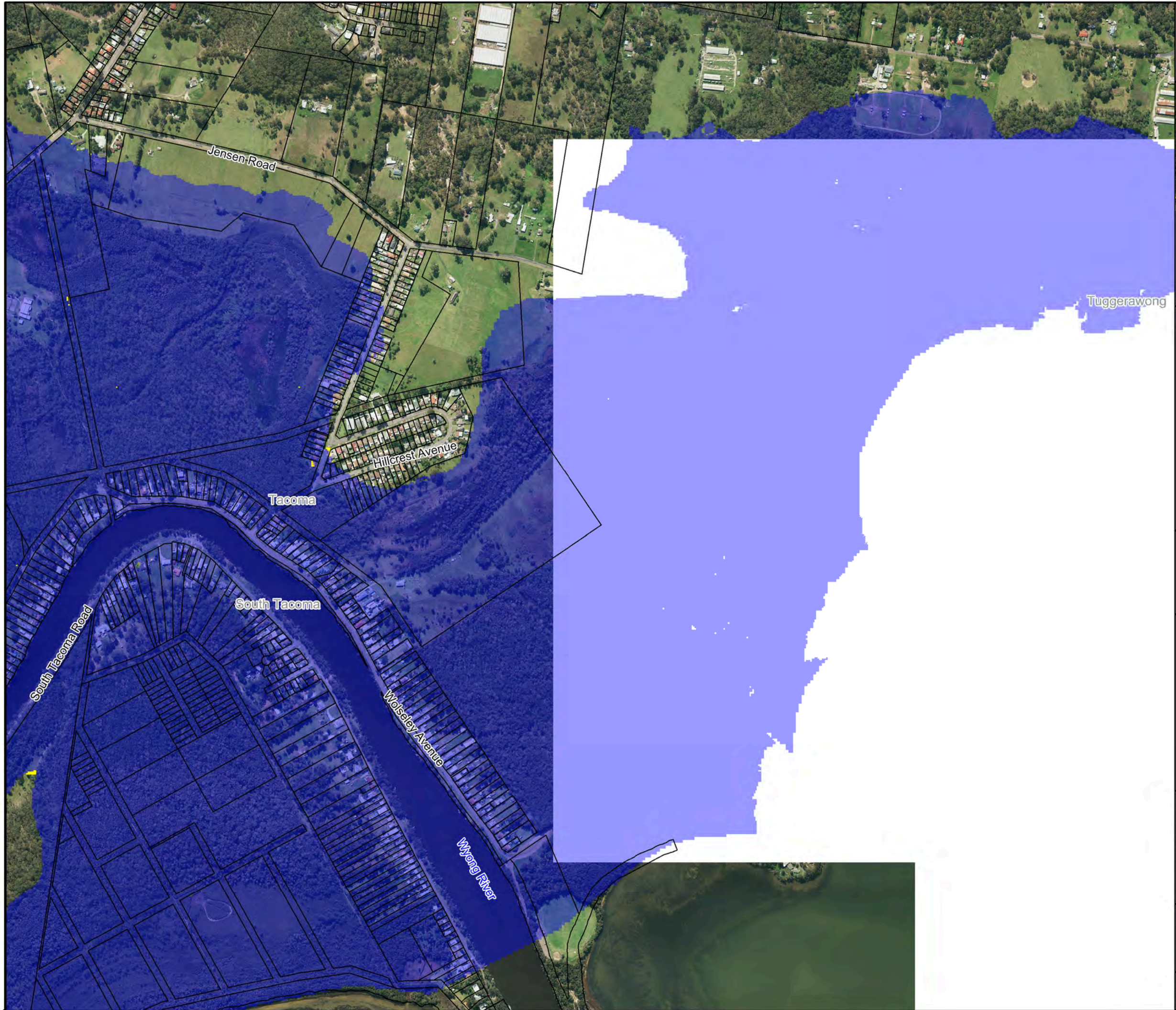
Notes:



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

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

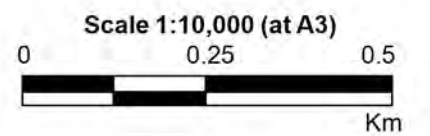


Central Coast Council

LEGEND

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

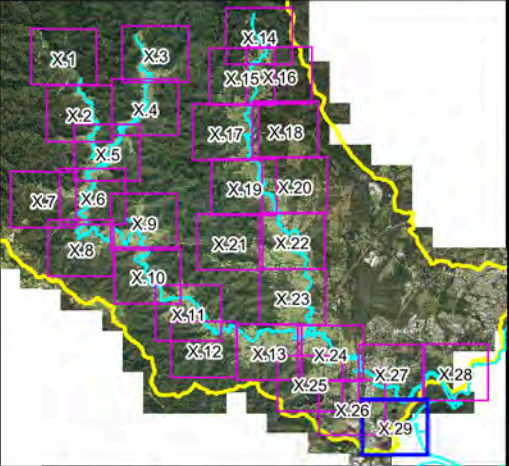
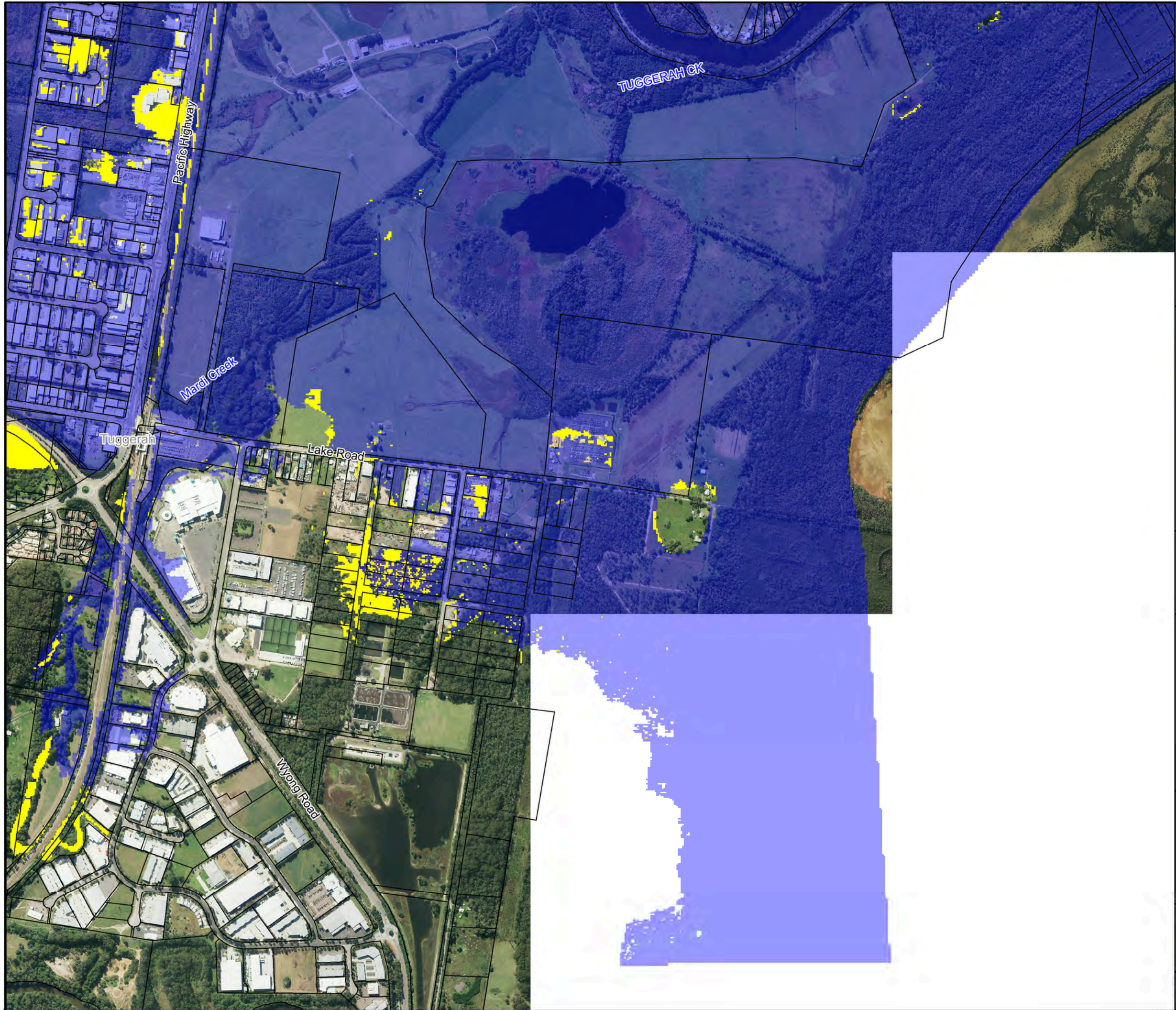
Notes:



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

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 Sydney, NSW 2000

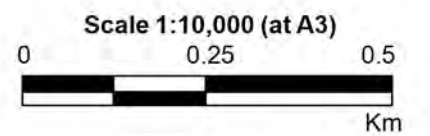
File Name: Areas Where Exceptional Circumstances Should Be Considered.wor



LEGEND

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

Notes:



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

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

MAP SET J

RESPONSE MODIFICATION OPTIONS



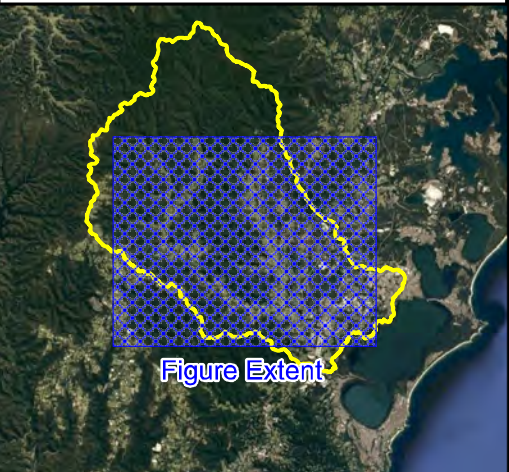
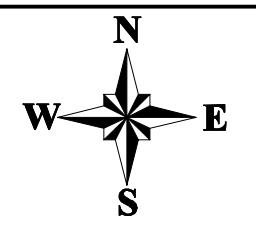
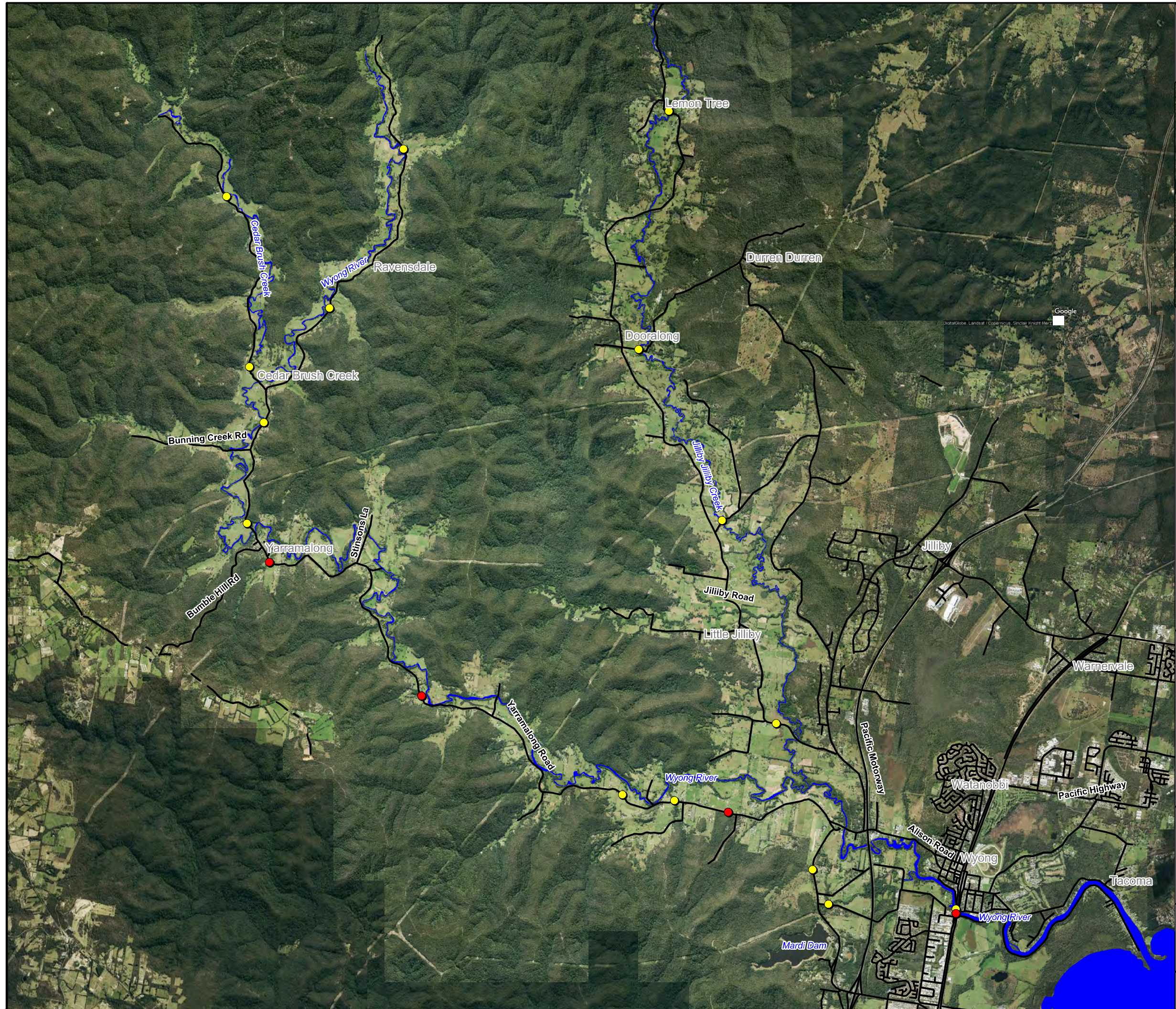


Figure Extent

LEGEND

- Critical Roadway Overtopping Location
- Critical Roadway Overtopping Location with an Existing Flood Depth Indicator



Scale 1:70,000 (at A3)
0 2.0 4.0
Km

**Figure J1:
Critical Roadway
Overtopping
Locations**

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File Name: Critical Roadway Overlop Locations .wor

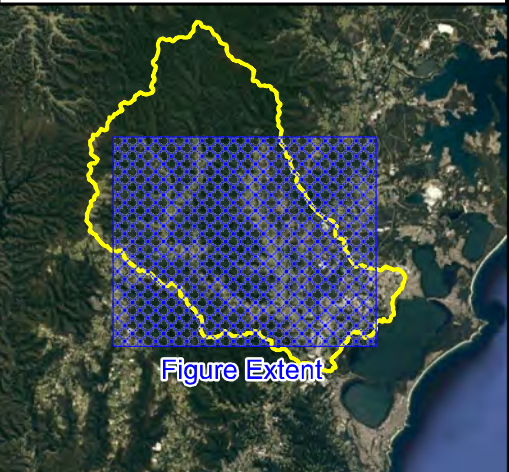
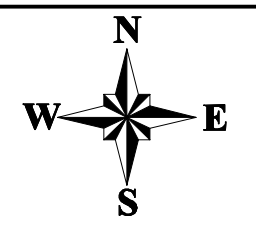


Figure Extent

LEGEND

✦ Potential Flood Gate Location

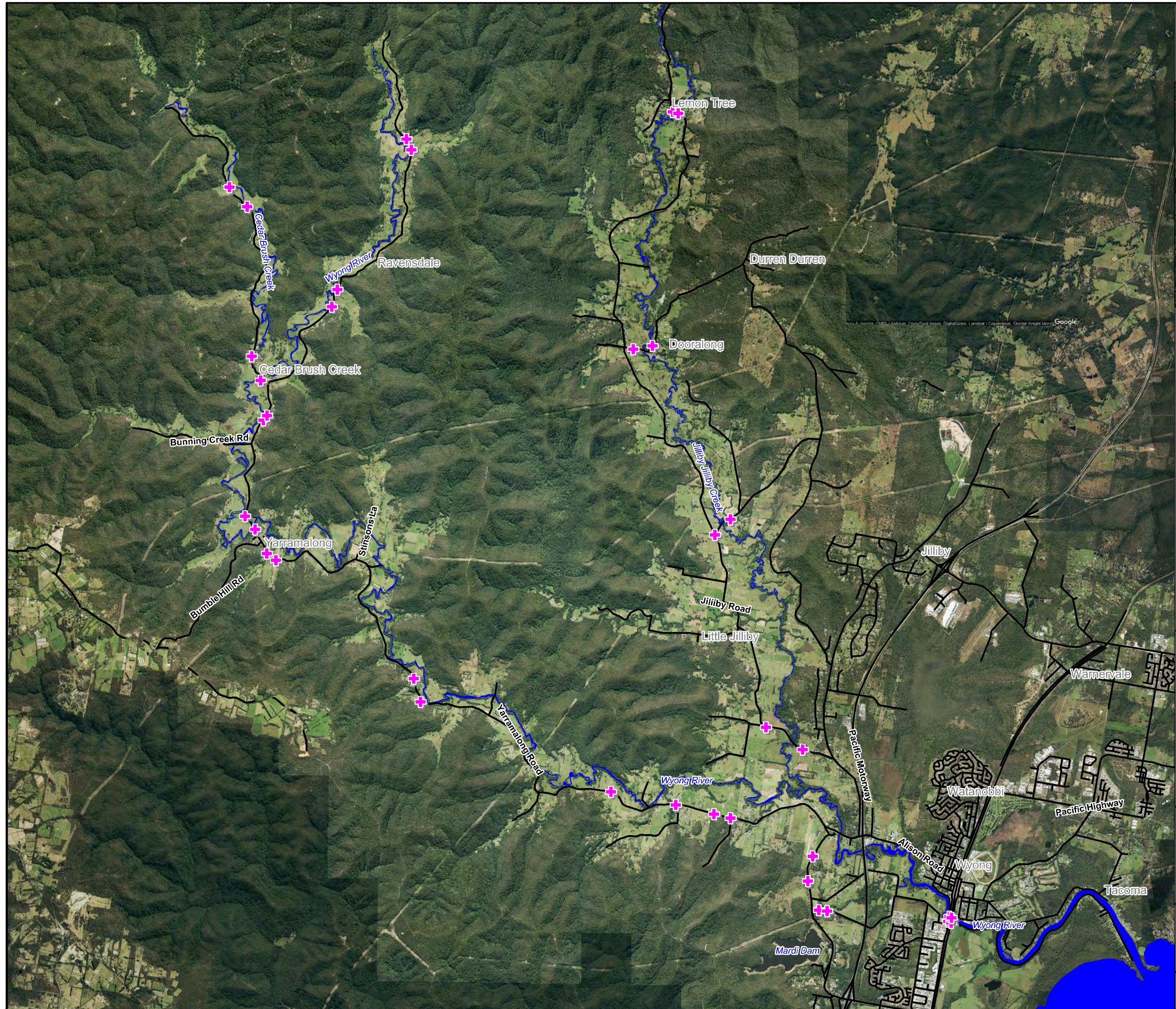


Scale 1:70,000 (at A3)
0 2.0 4.0
Km

**Figure J2:
Potential Flood
Gate Locations**

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File Name: Potential Flood Gate
Locations.wor



MAP SET K

DRAFT FLOODPLAIN RISK MANAGEMENT PLAN





- Catchment-wide measures**
- Consider Applying for Exceptional Circumstances
 - DCP Amendments
- Flood Plan Preparation / Updates**
- Wyong Local Flood Plan Updates
 - Flood Intelligence Card Updates
- Community Education**
- Host meetings in various communities to promote the preparation of Home Emergency Plans
 - Audit Flood & Coastal Storms Education Strategy
 - Develop educational messages targeting dangerous behaviours
 - Undertake a flood information portal website pilot study
 - Make property level flood information available
 - Continue to develop social media platforms for flood safe messaging
- Flood Warning System Upgrades**
- Make real-time information more readily accessible
 - Help floodplain residents interpret real-time information
 - Pre-prepare flood bulletin messages for distinct communities
 - Establish river level triggers for various gauges that issue phone messages or SMS directly to subscribers
 - Improve mobile phone coverage in Yarramalong and Dooralong Valleys
 - Confirm reviews of the system are completed following each flood
- Flood Insurance**
- Individual property owners should consider flood insurance
 - Council to assist property owners by providing property specific flood information

LEGEND

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



Scale 1:80,000 (at A3)
0 2.0 4.0
Km

**Figure K1:
Recommended Flood
Risk Management
Options**

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File Name: FigK1 - Recommended Flood Risk Management Options .wor

