

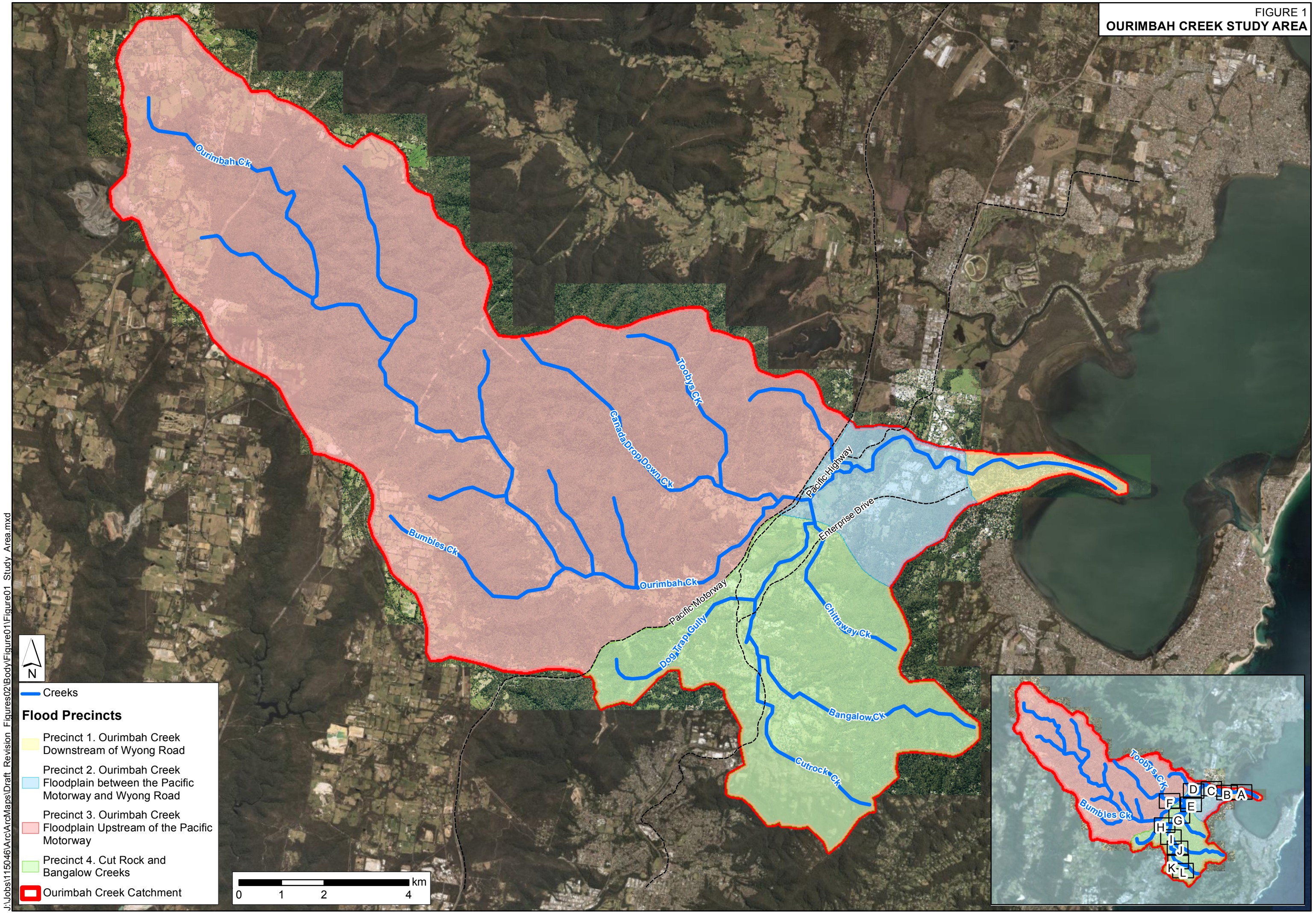
OURIMBAH CREEK FLOODPLAIN RISK MANAGEMENT STUDY AND PLAN July 2019



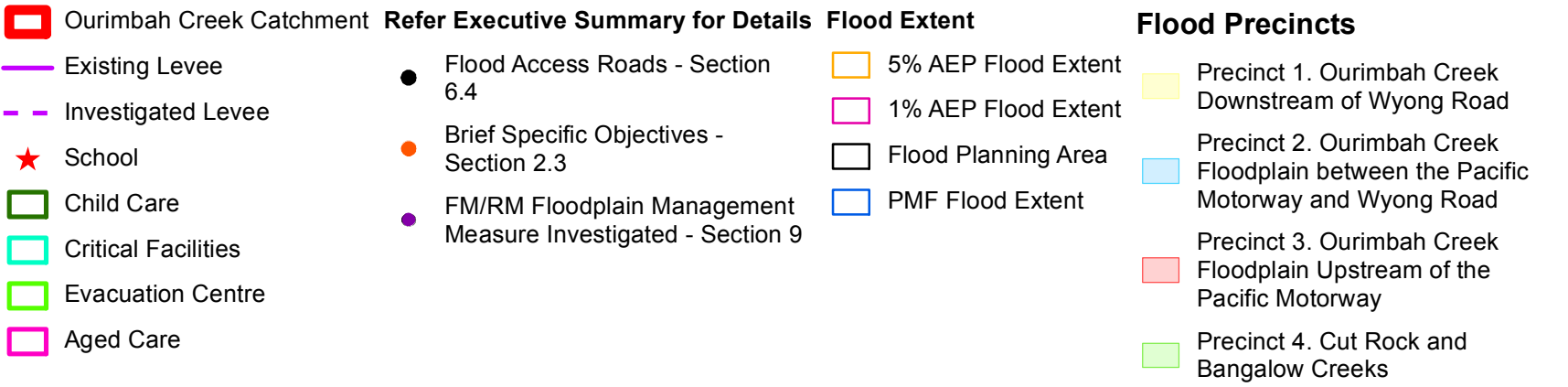
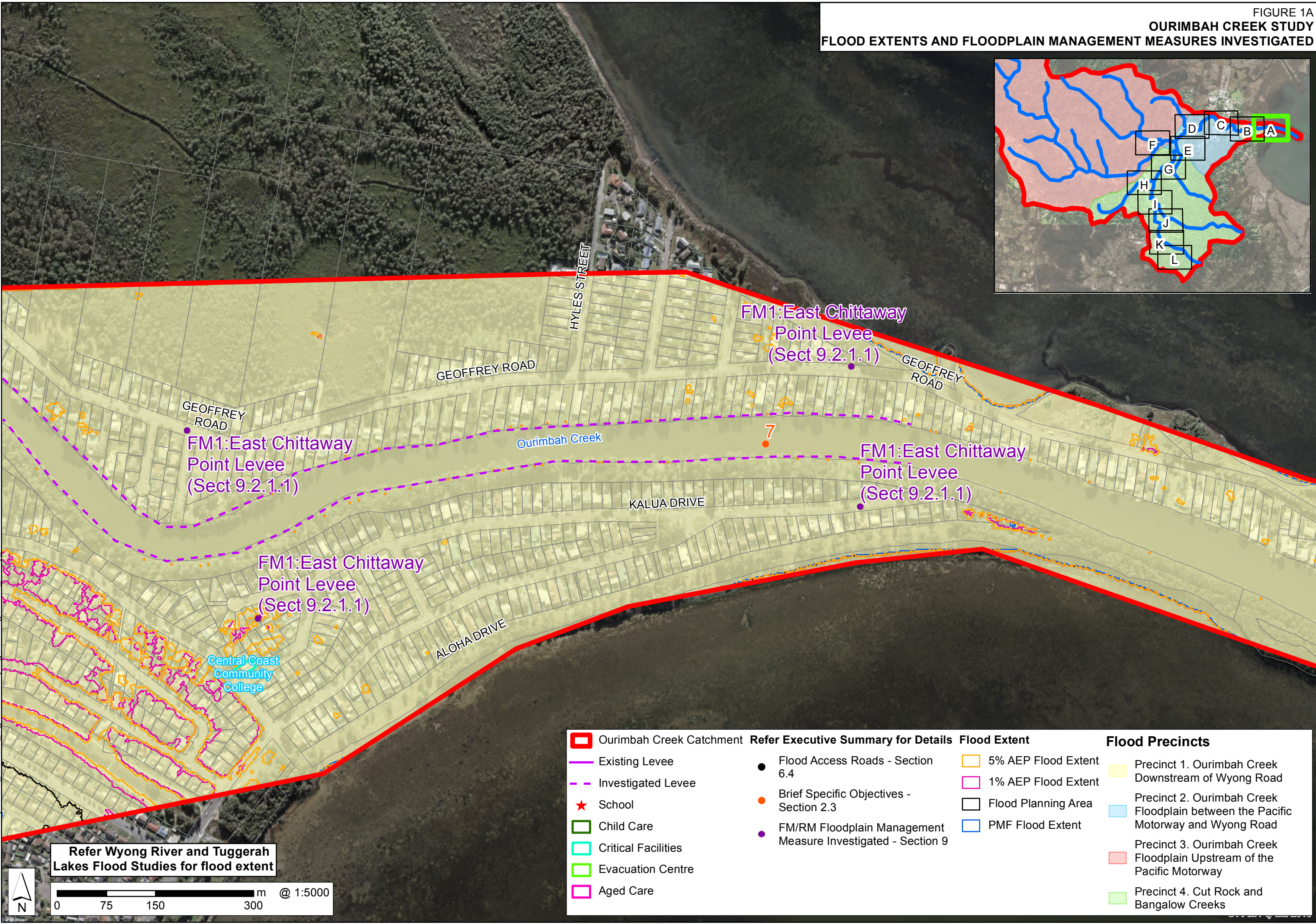
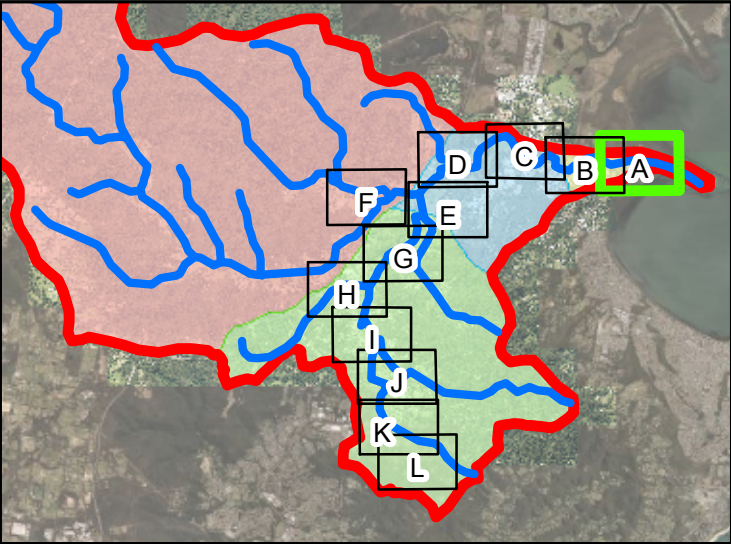
A3 Figures 1 to 9 (excluding Figure 2)



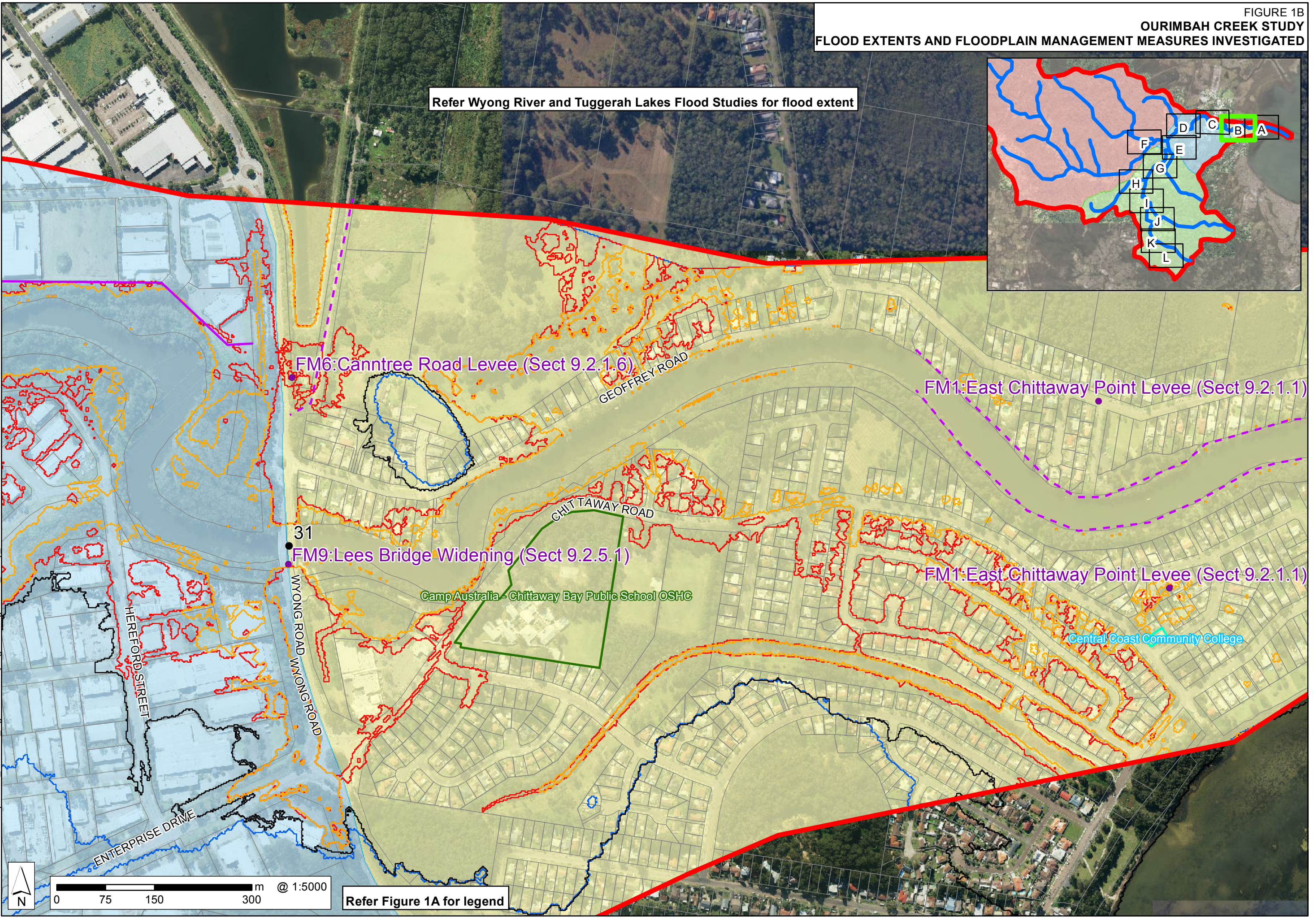
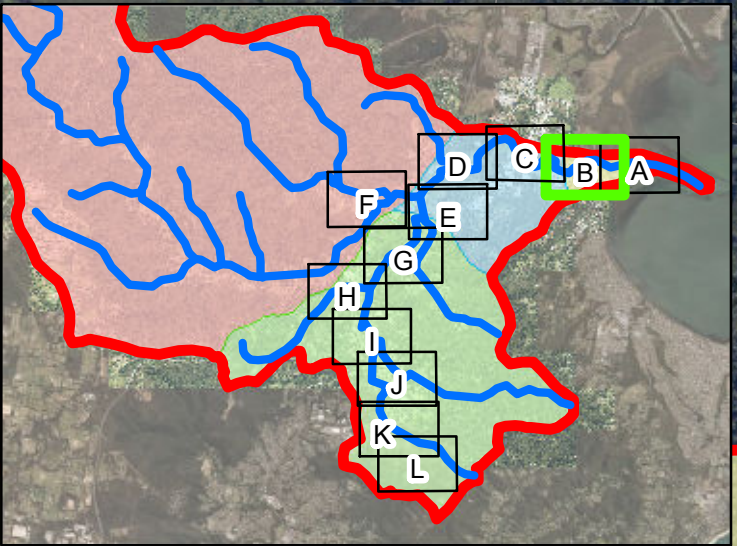
FIGURE 1
OURIMBAH CREEK STUDY AREA



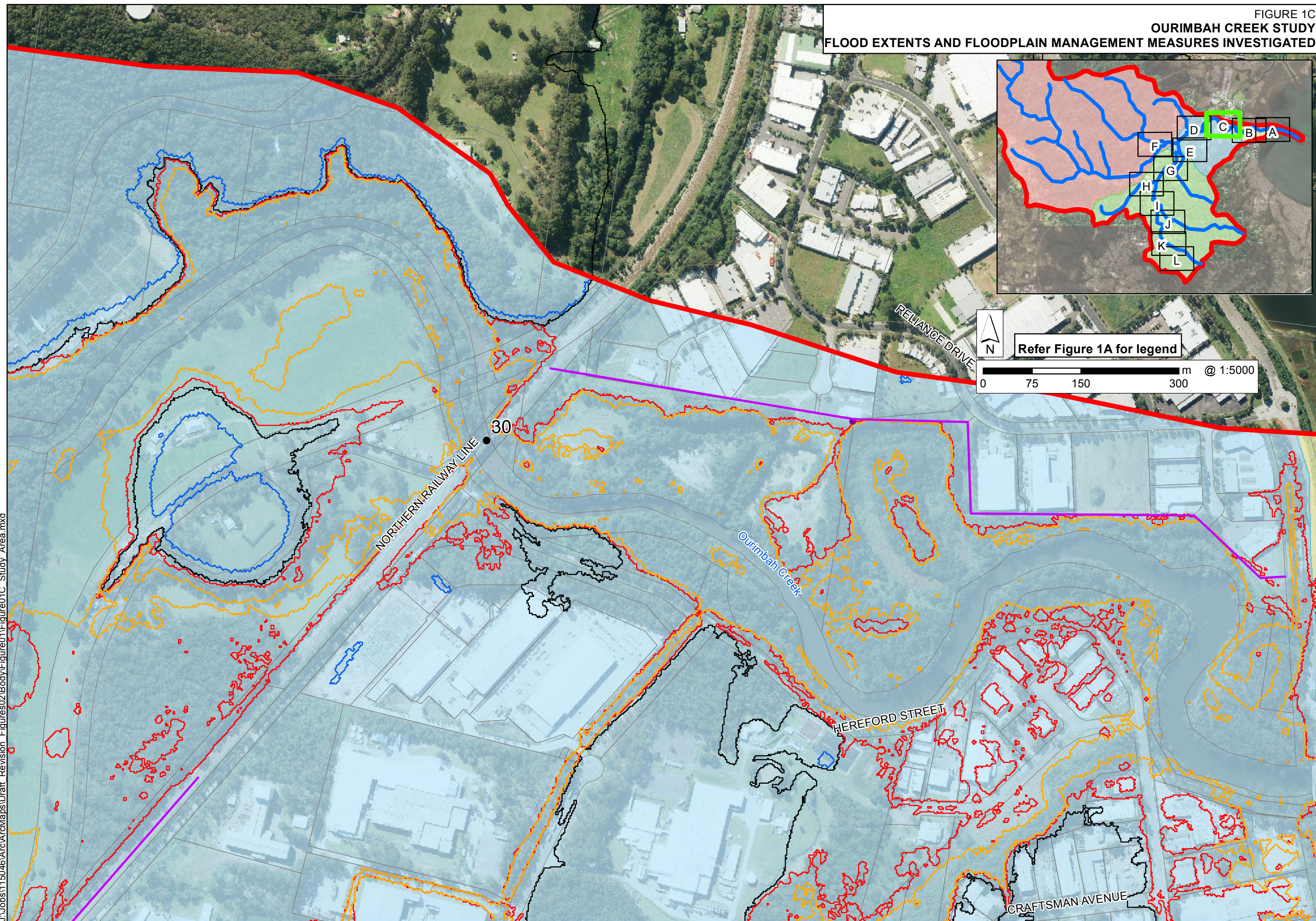
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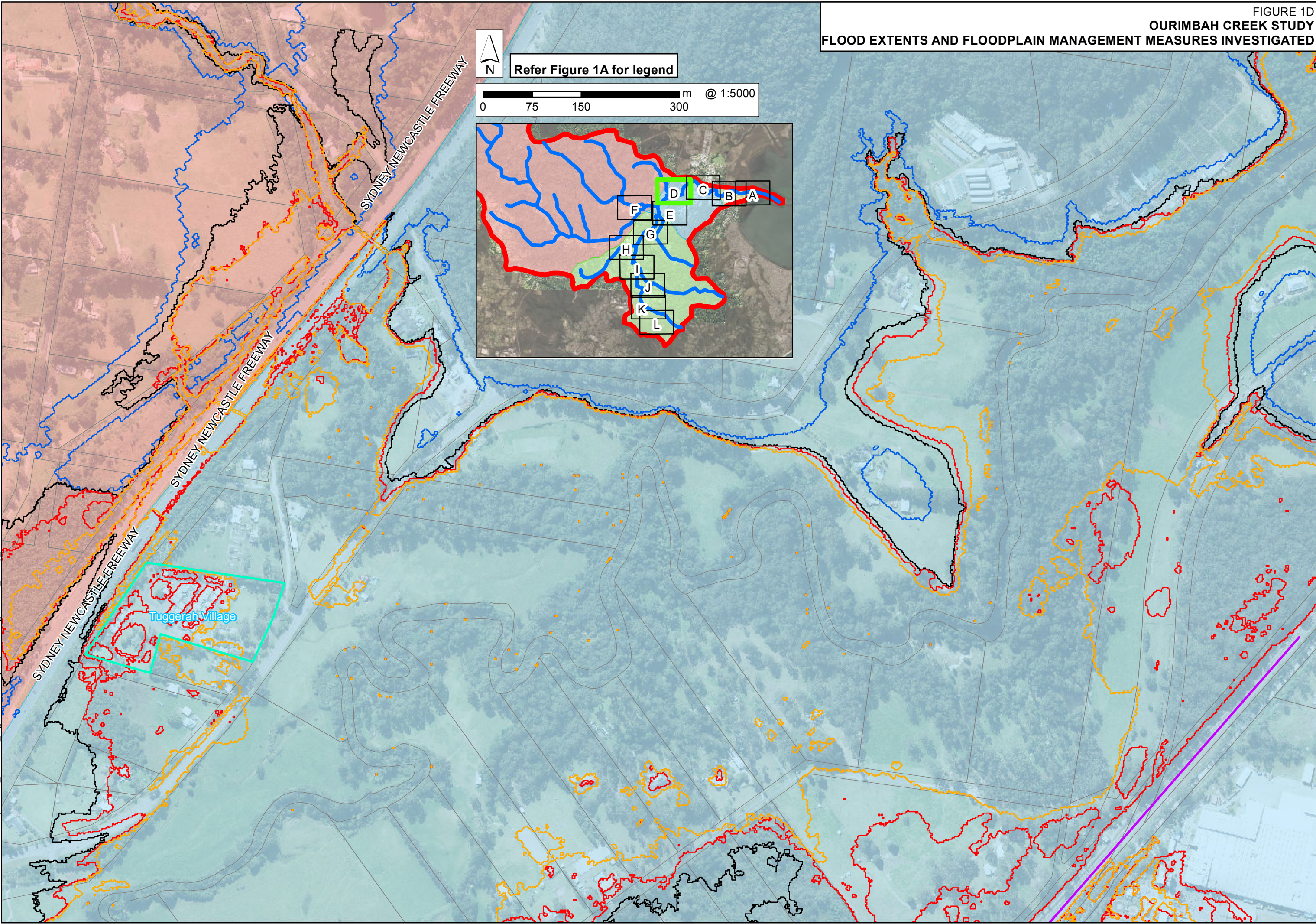


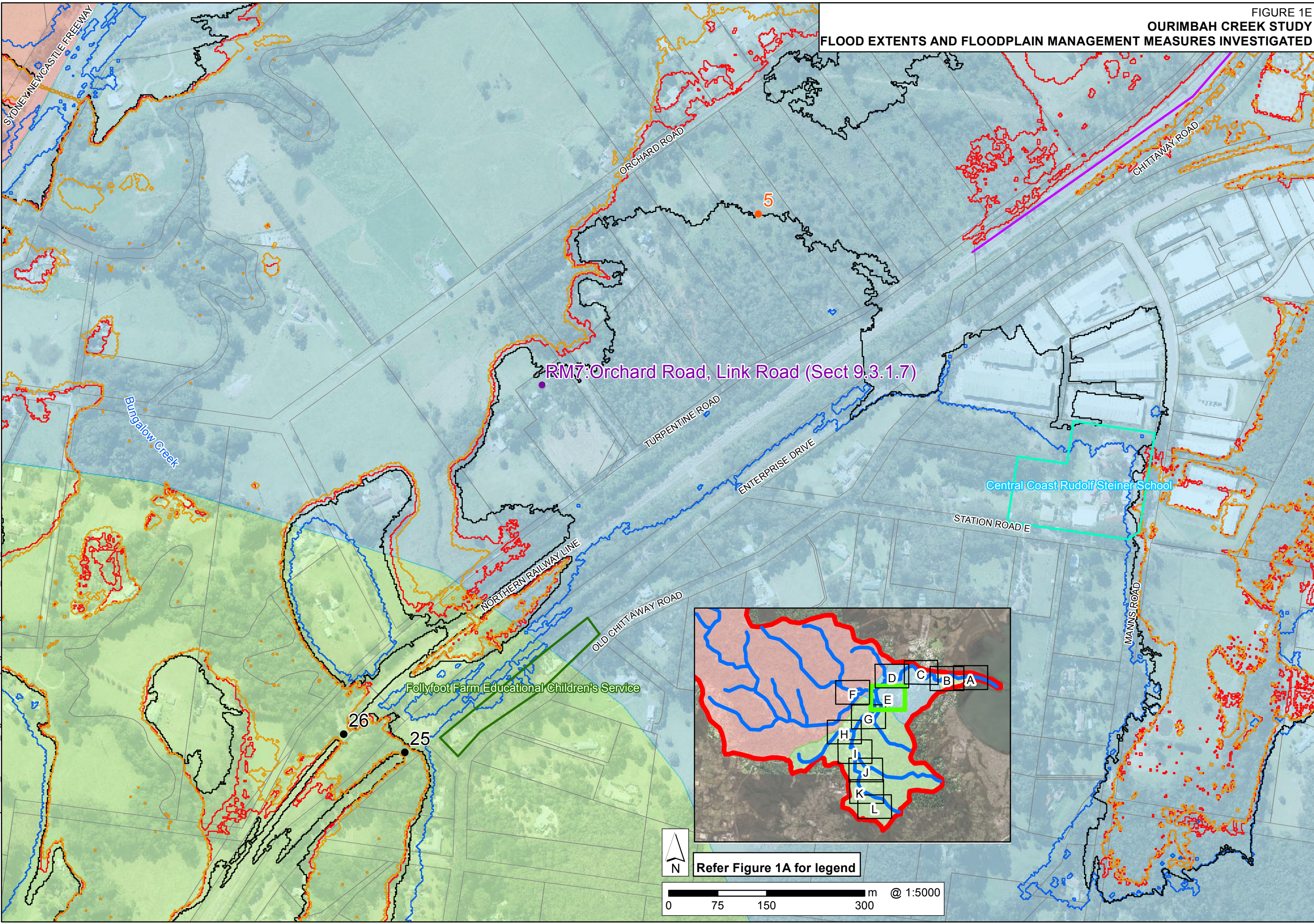
Refer Wyong River and Tuggerah Lakes Flood Studies for flood extent

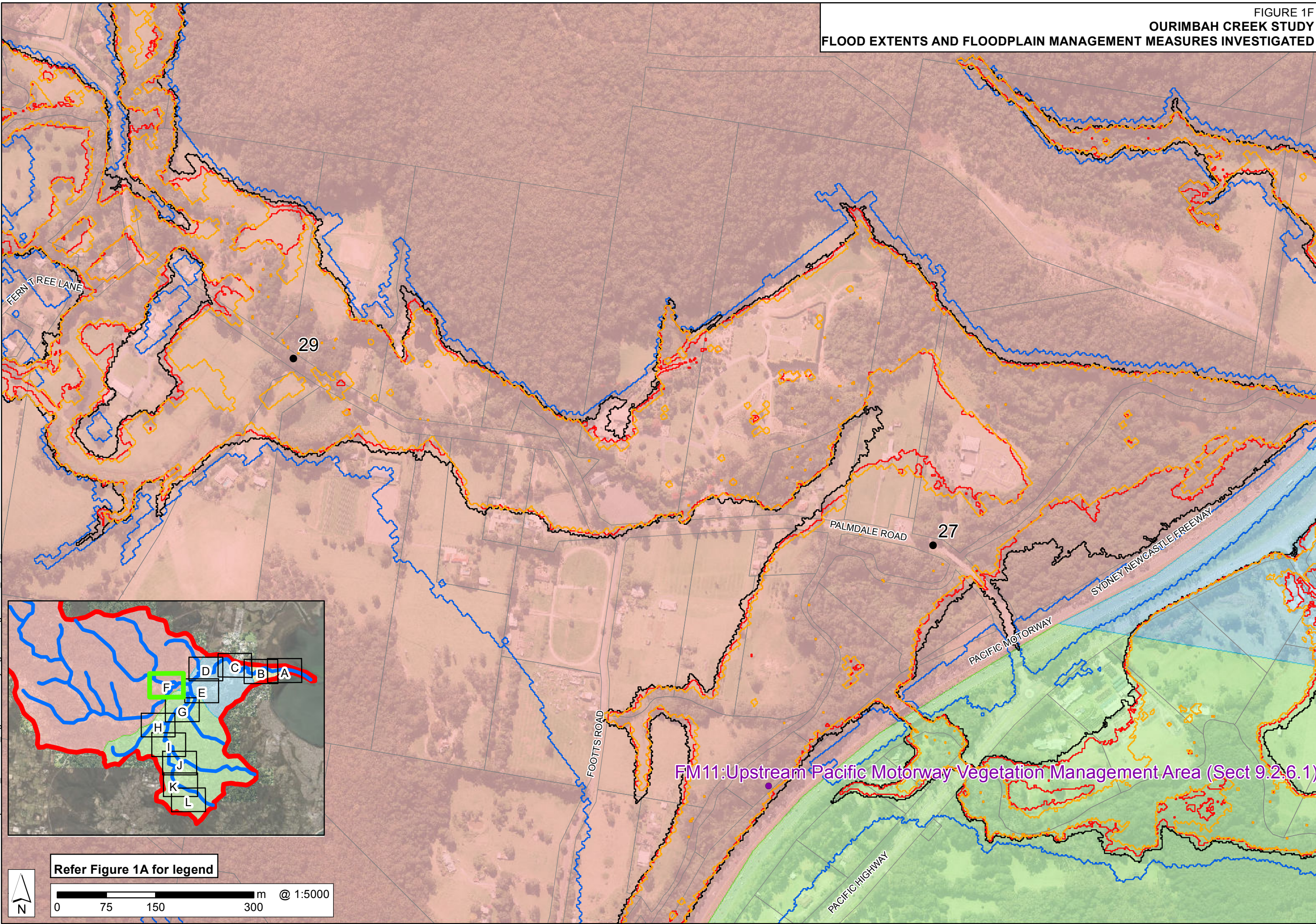


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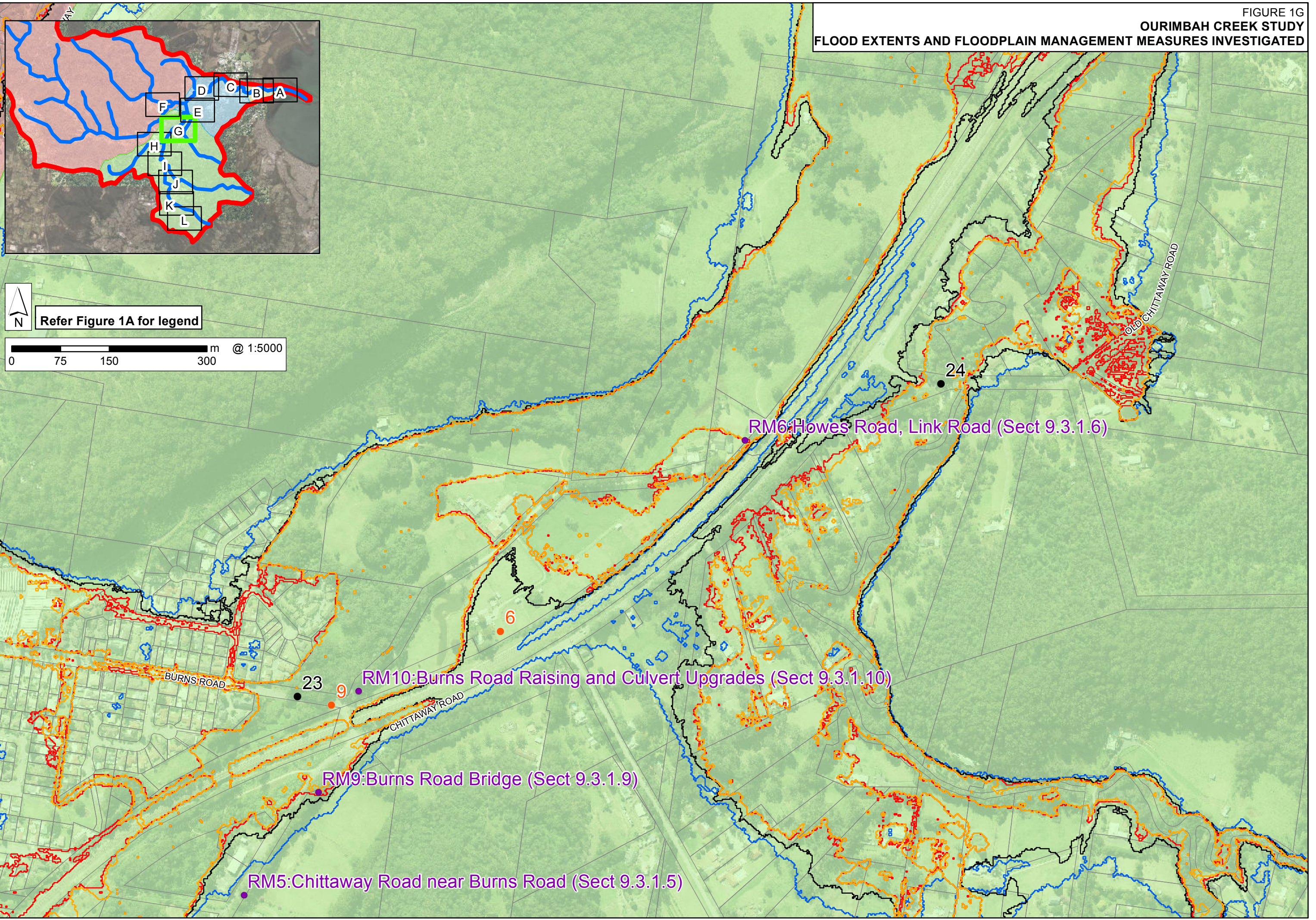








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28
FM10:Footts Road Weir Removal (Sect 9.2.5.2)

Ausgrid Depot

RM9:Burns Road Bridge (Sect 9.3.1.9)

RM5:Chittaway Road near Burns Road (Sect 9.3.1.5)

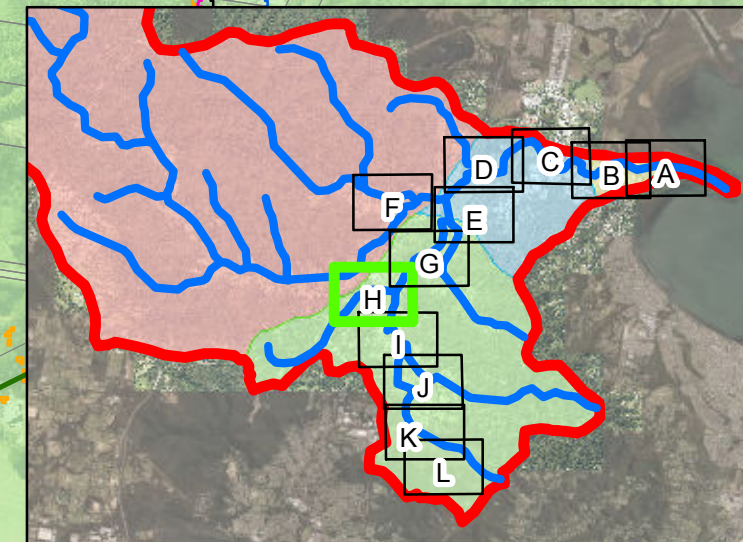
19 20
RM14:Pacific Highway at Dog Trap Gully (Sect 9.3.1.14)

FM2:Bangalow Creek Levees (Sect 9.2.1.2)

RM4:The Boulevard at Univ Newcastle Ourimbah Campus (Sect 9.3.1.4)

FM4:University Lower Carpark Levee (Sect 9.2.1.4)

FM5:University Lower Carpark Filling (Sect 9.2.1.5)



0 75 150 300 m @ 1:5000

Refer Figure 1A for legend

Camp Australia - Ourimbah Public School OSHC

CHARLES STREET

FM4:University Lower Carpark Levee (Sect 9.2.1.4)

KU - Ourimbah Preschool and Children's Centre

FM5:University Lower Carpark Filling (Sect 9.2.1.5)

SHIRLEY STREET

FM3:Mill Street Industrial Area Levee (Sect 9.2.1.3)

KING STREET

FM12:Sohier Park Vegetation Management Area (Sect 9.2.6.2)

GLEN ROAD

FM2:Bangalow Creek Levees (Sect 9.2.1.2)

11

FM2:Bangalow Creek Levees (Sect 9.2.1.2)

WALMSLEY ROAD

FINLAY CRESCENT

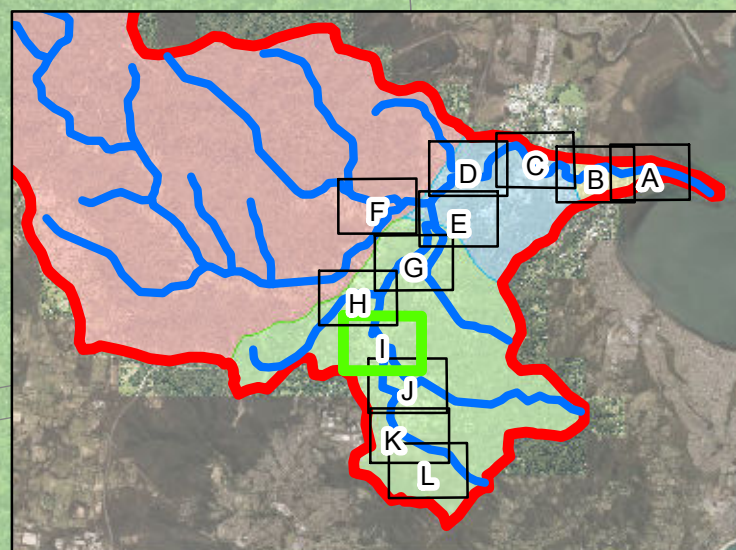
ROBERTHOLL DRIVE

PACIFIC HIGHWAY

NORTHERN RAILWAY LINE

36

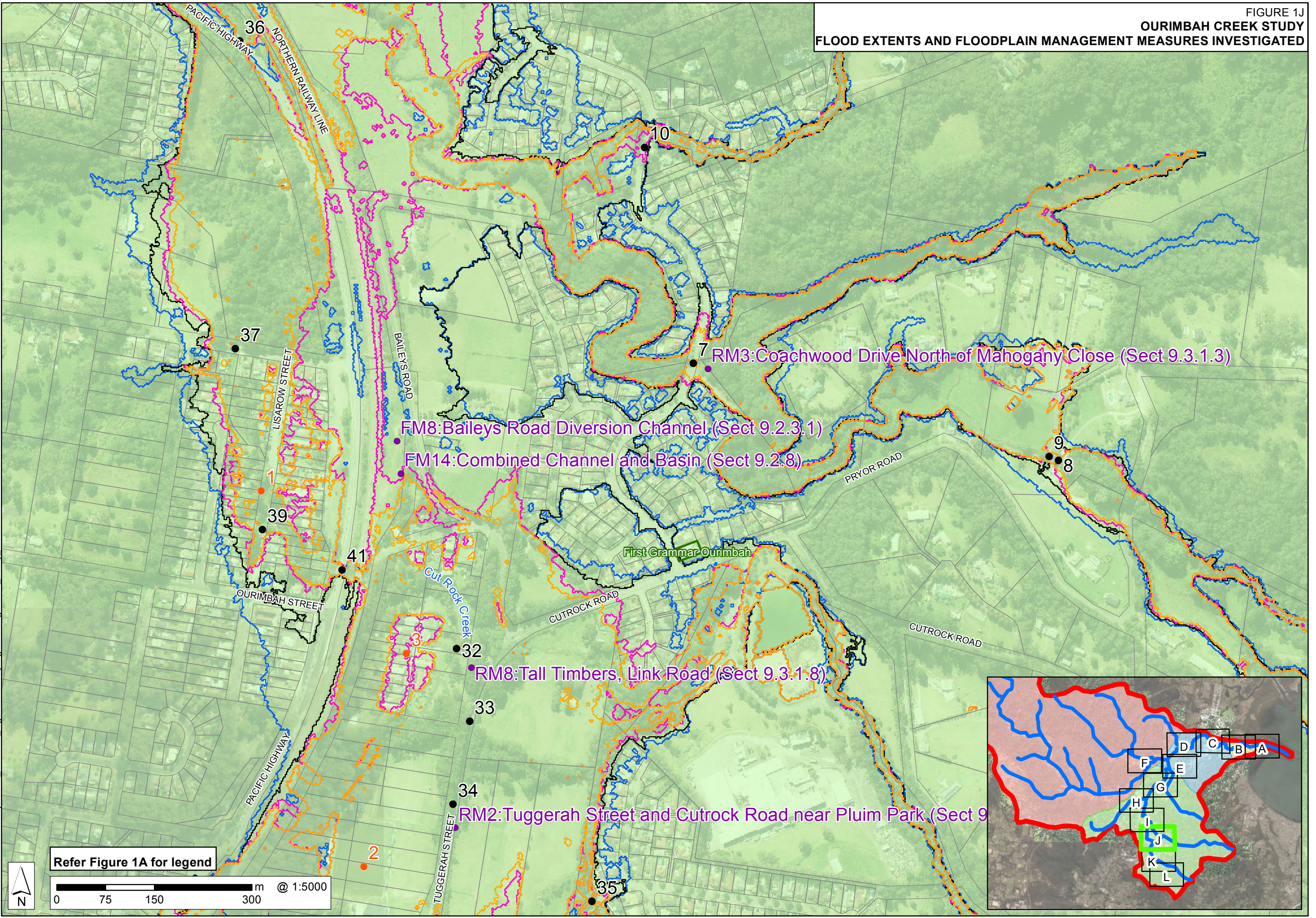
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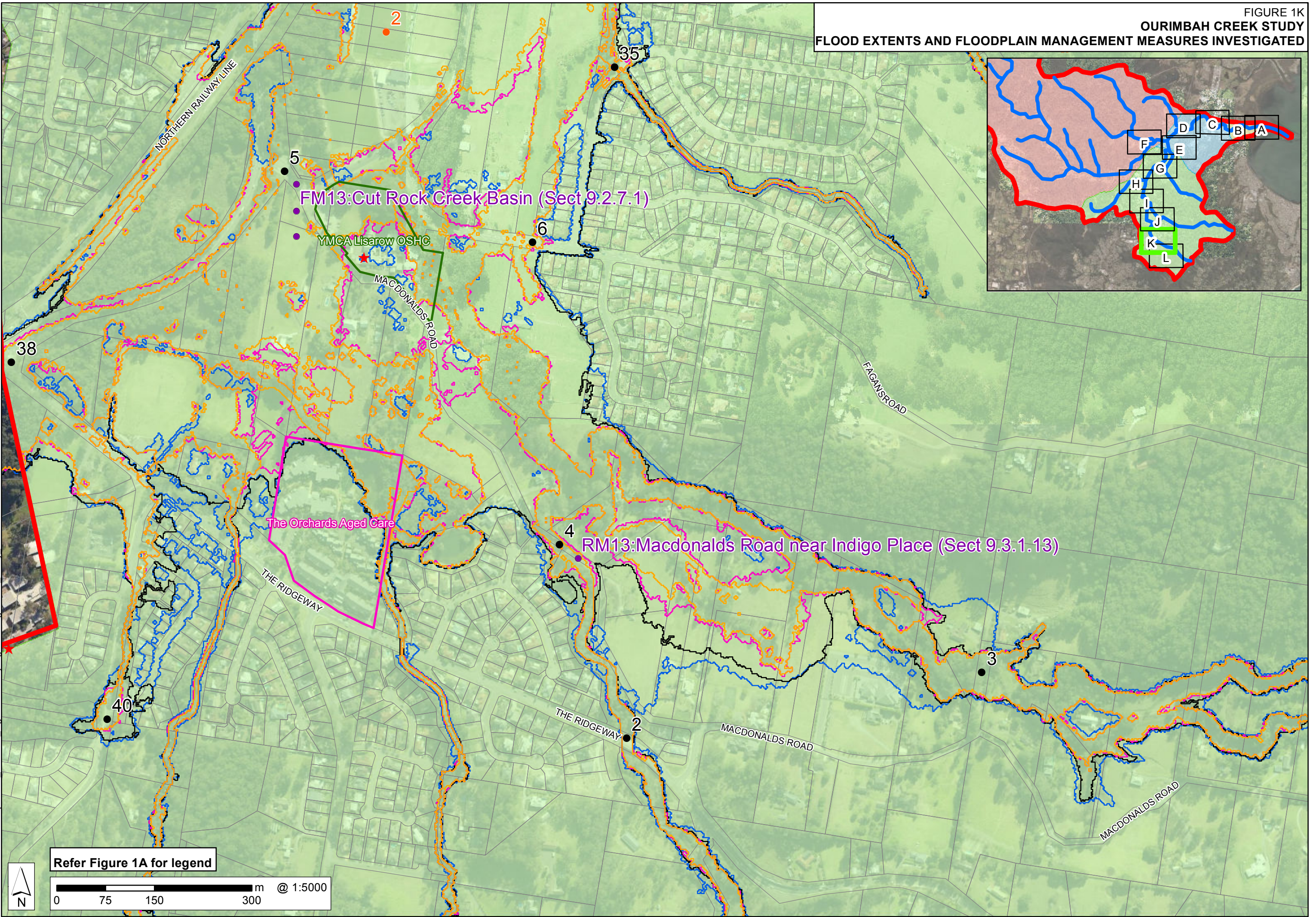


Refer Figure 1A for legend



0 75 150 300 m @ 1:5000





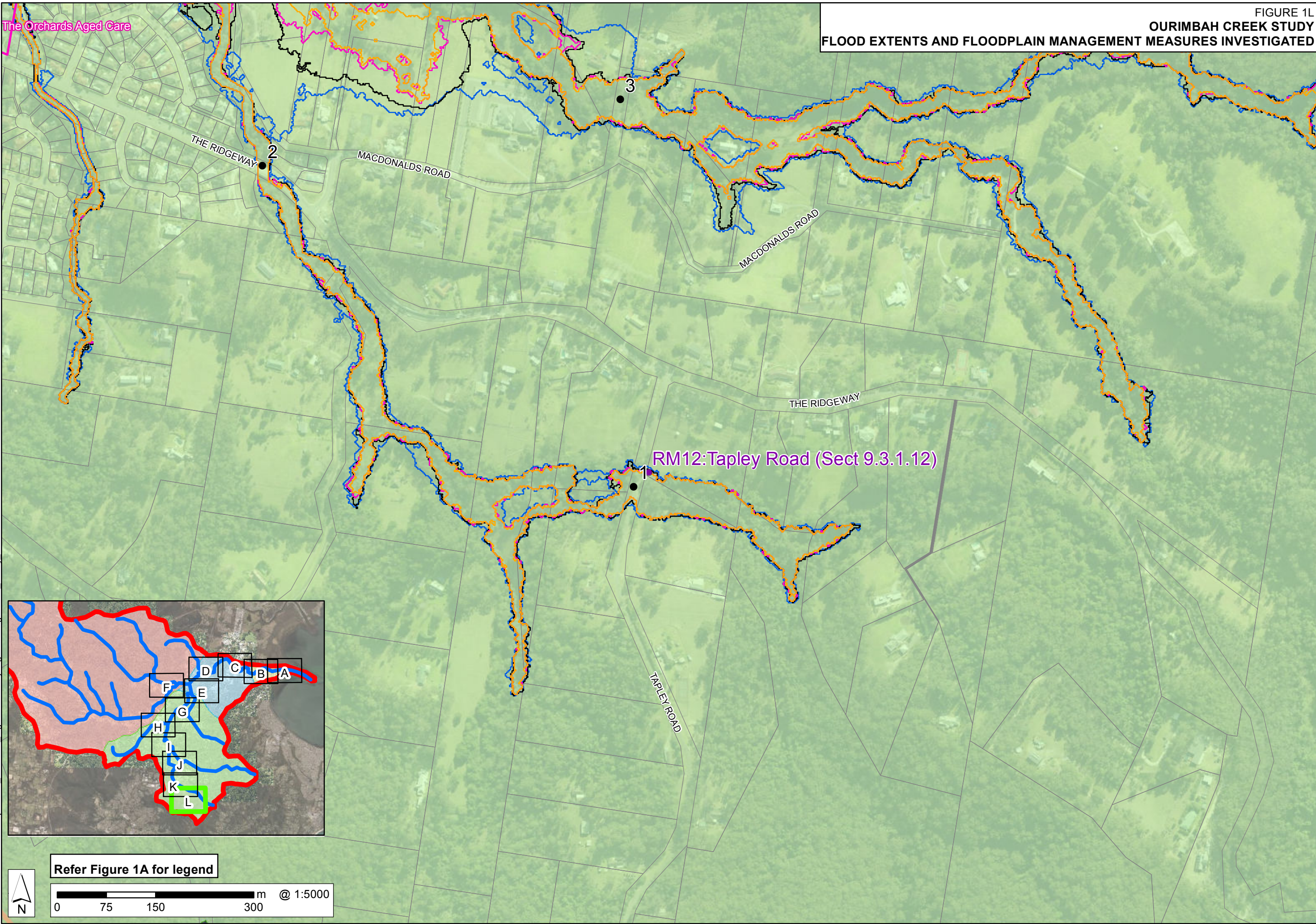


FIGURE 3
OURIMBAH COMMUNITY CONSULTATION
RESPONDENT LOCATIONS

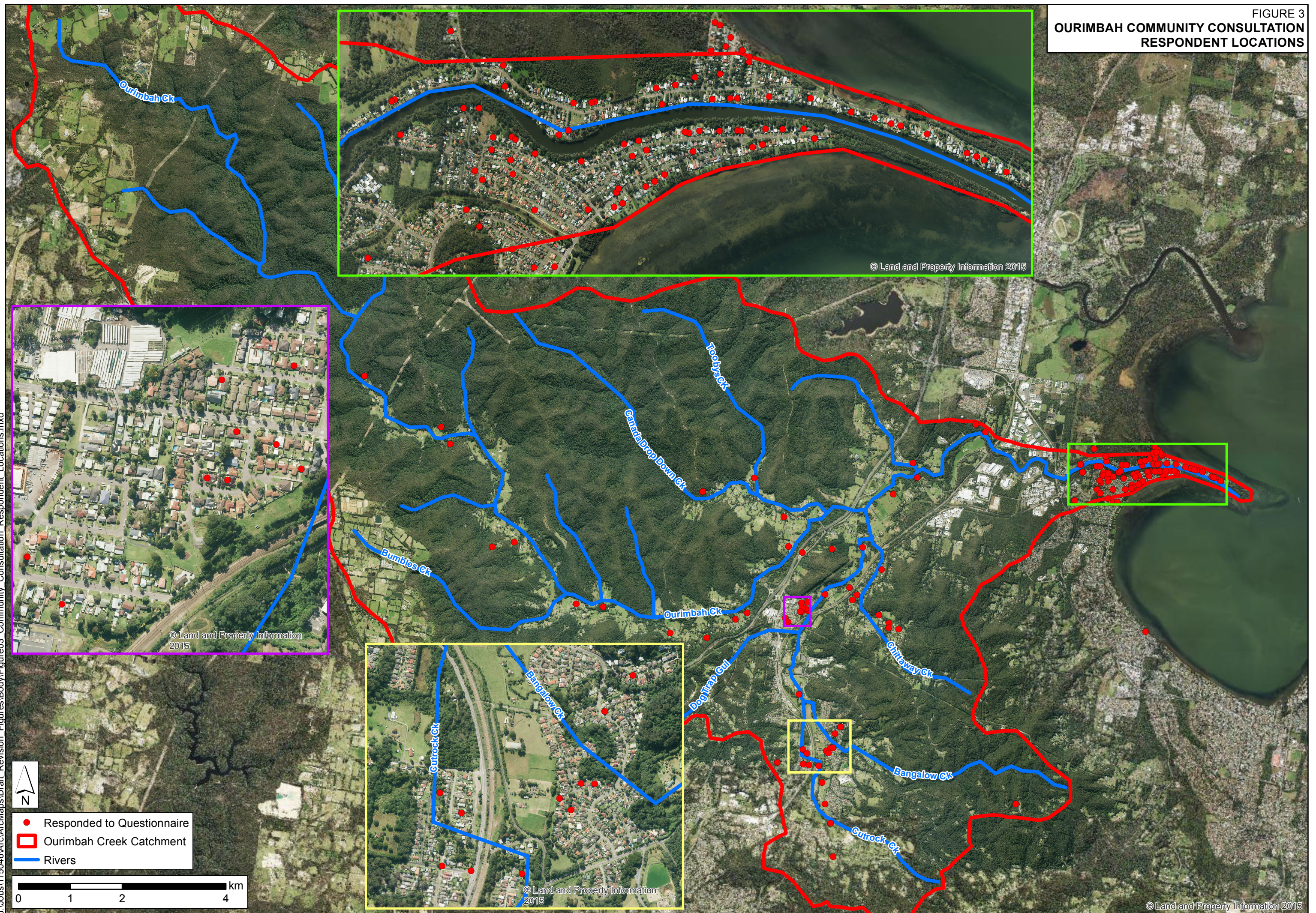


FIGURE 4
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

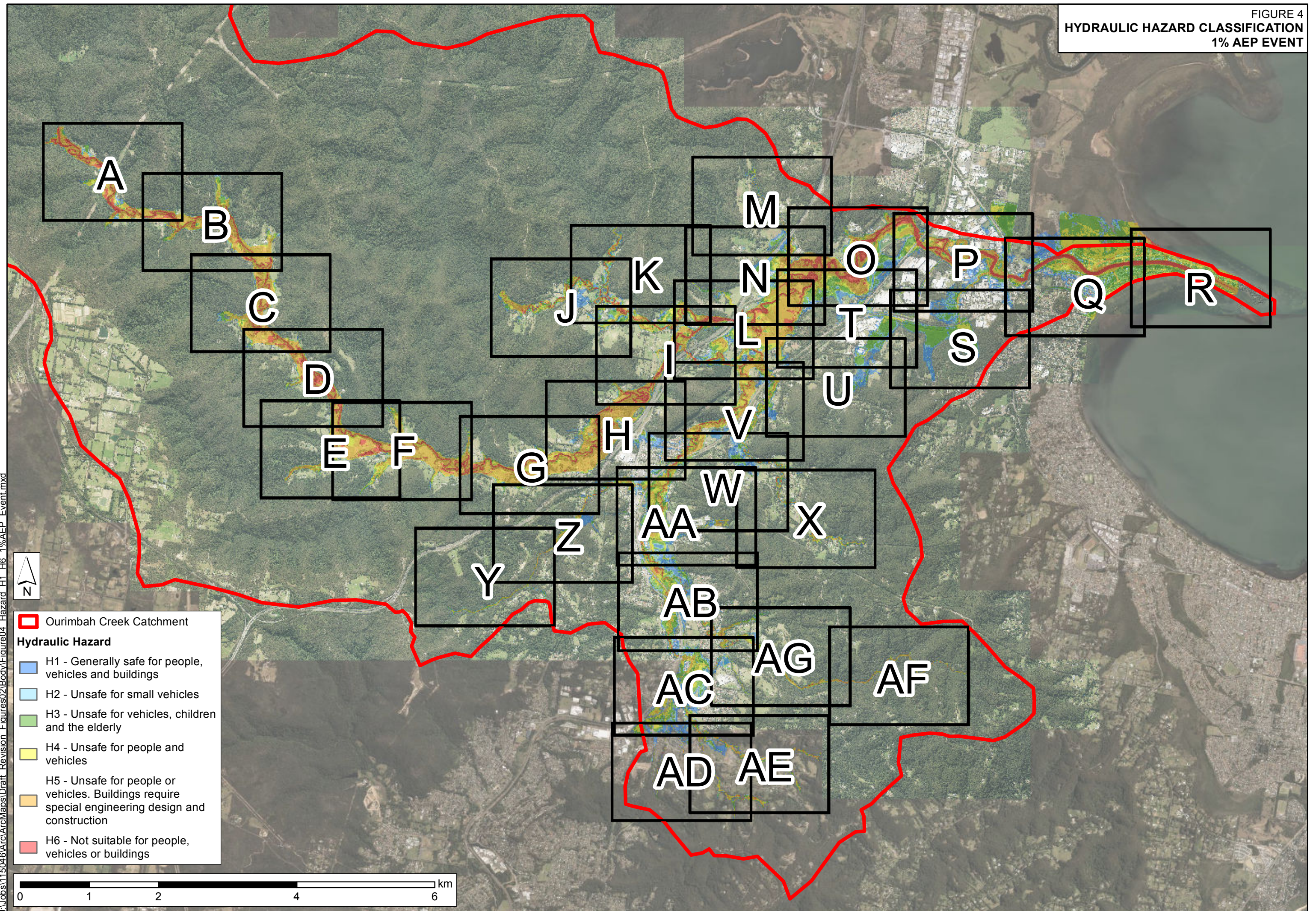


FIGURE 4A
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

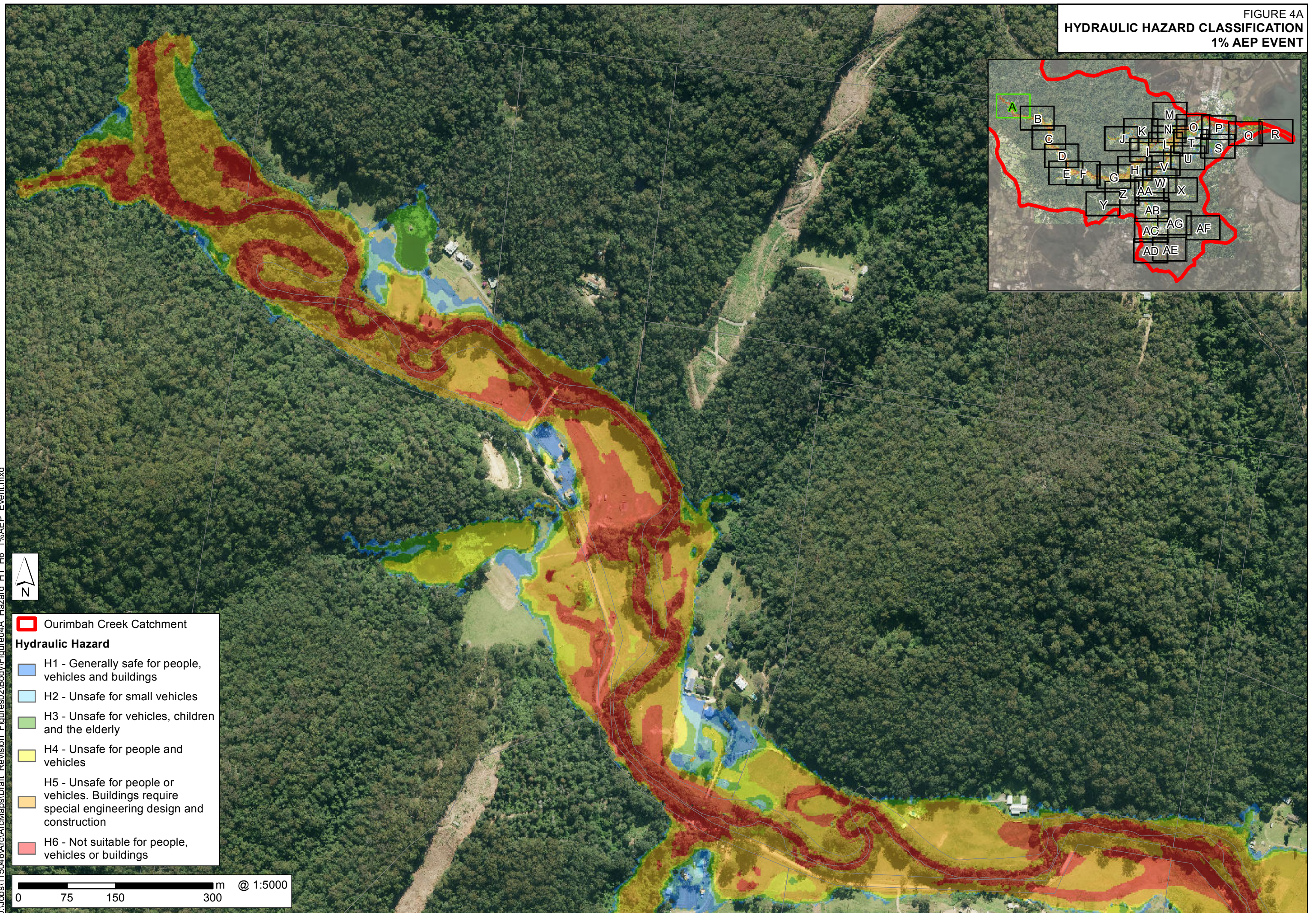


FIGURE 4B
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

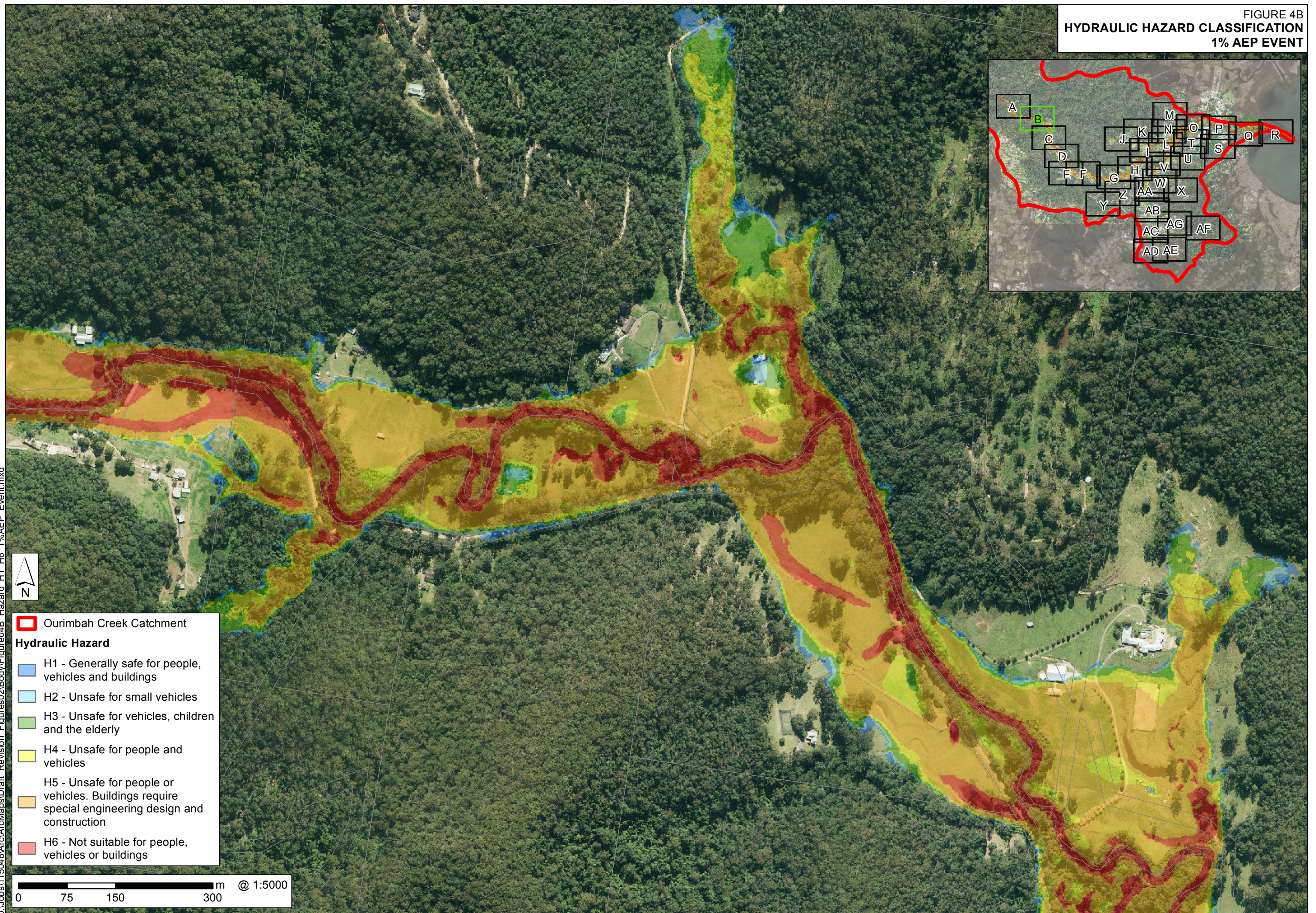
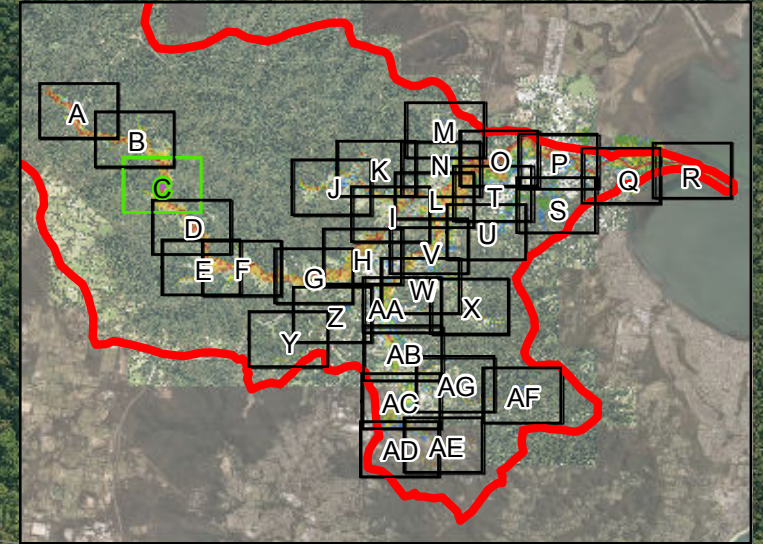









FIGURE 4C
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



-  Ourimbah Creek Catchment
- Hydraulic Hazard**
-  H1 - Generally safe for people, vehicles and buildings
 -  H2 - Unsafe for small vehicles
 -  H3 - Unsafe for vehicles, children and the elderly
 -  H4 - Unsafe for people and vehicles
 -  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 -  H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

FIGURE 4D
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

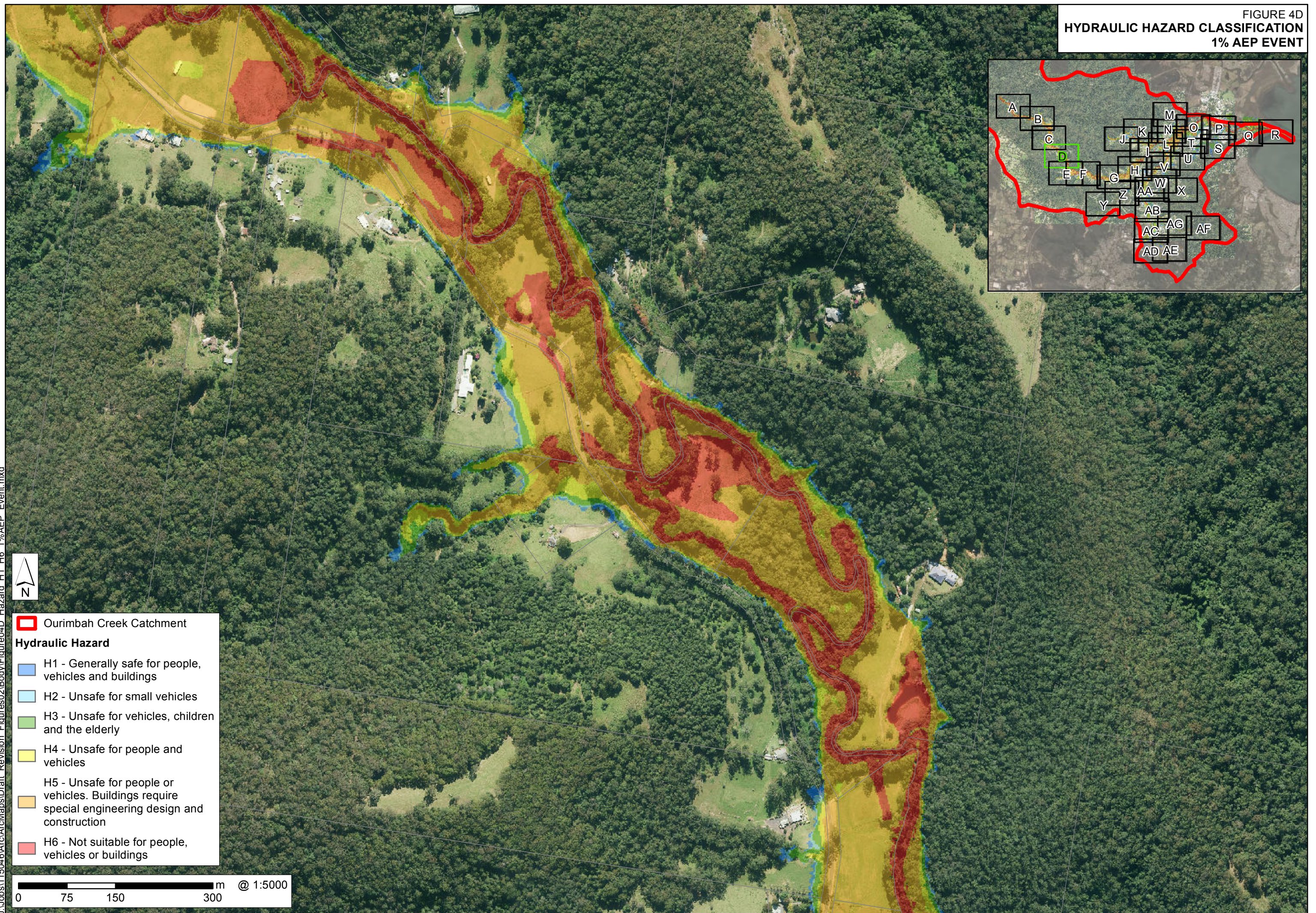
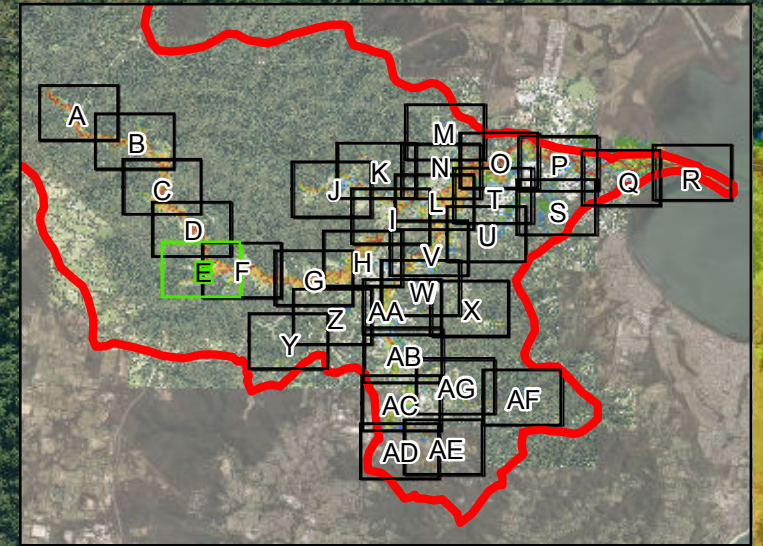









FIGURE 4E
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



-  Ourimbah Creek Catchment
- Hydraulic Hazard**
-  H1 - Generally safe for people, vehicles and buildings
 -  H2 - Unsafe for small vehicles
 -  H3 - Unsafe for vehicles, children and the elderly
 -  H4 - Unsafe for people and vehicles
 -  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 -  H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

FIGURE 4F
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

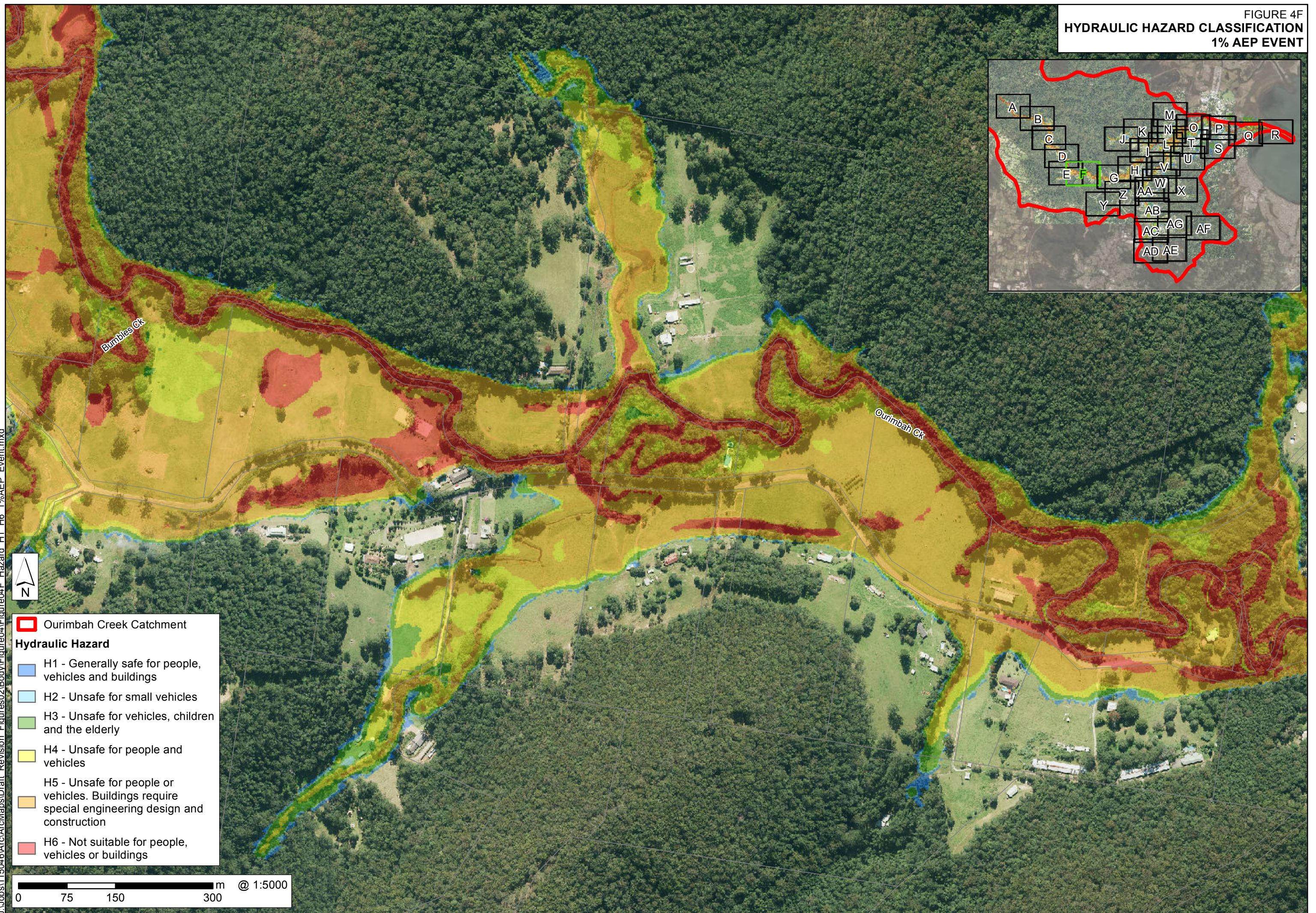
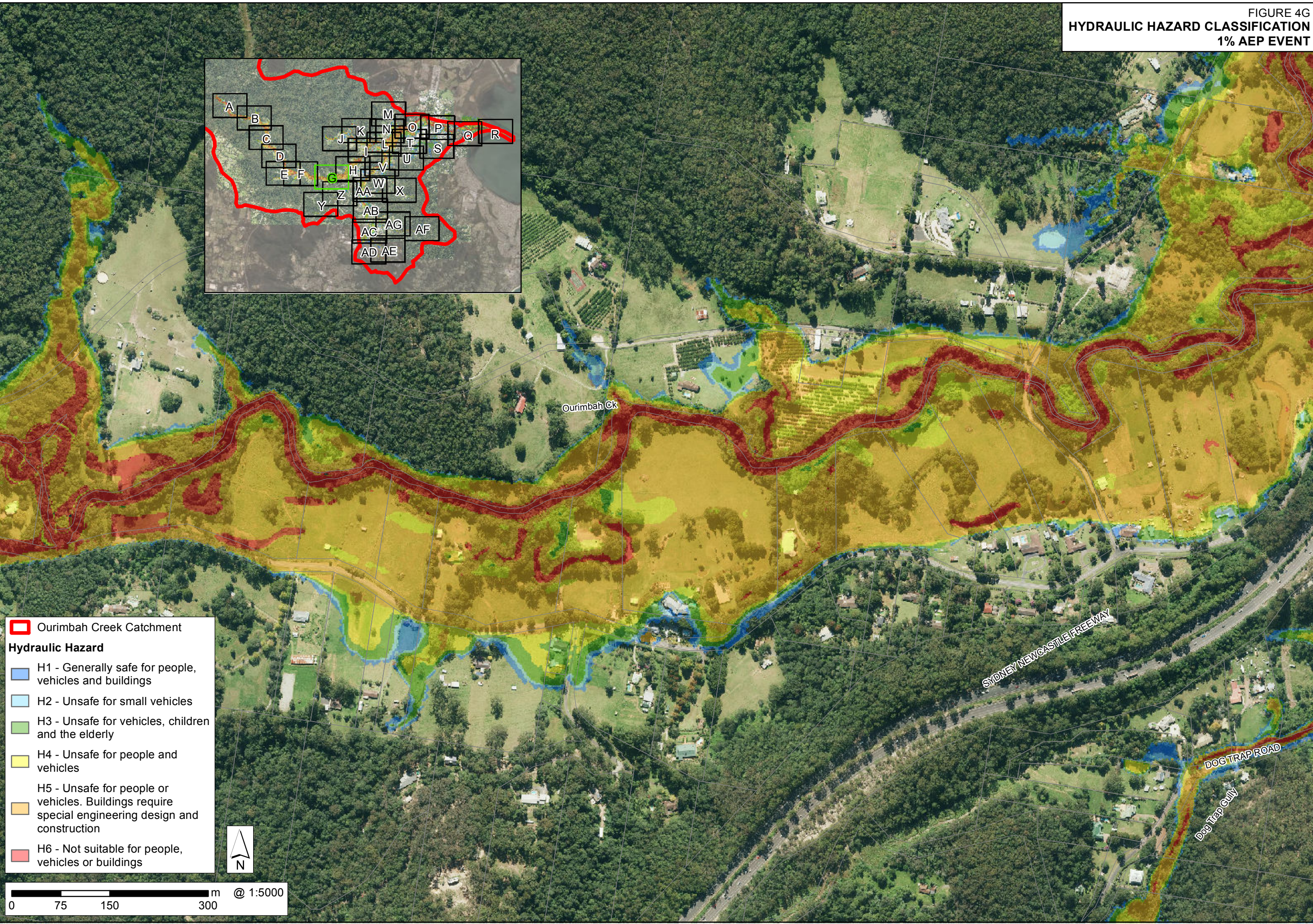
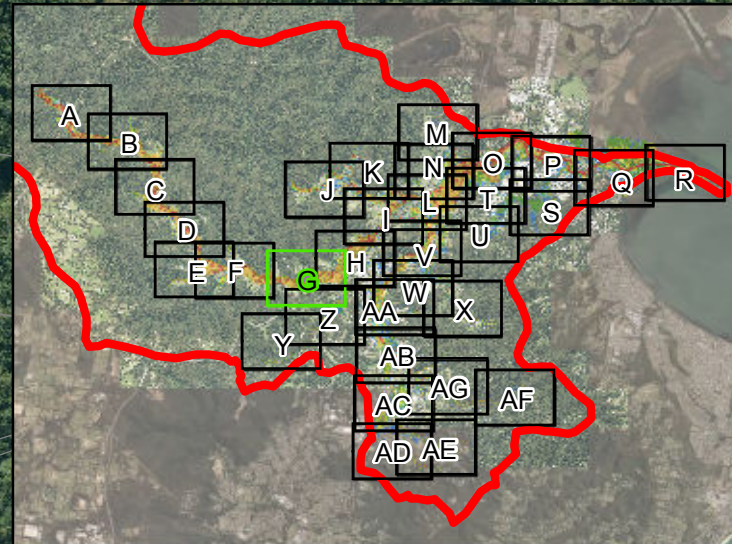









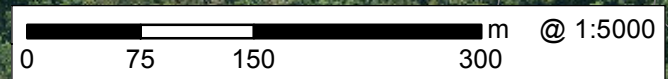
FIGURE 4G
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



 Ourimbah Creek Catchment

Hydraulic Hazard

-  H1 - Generally safe for people, vehicles and buildings
-  H2 - Unsafe for small vehicles
-  H3 - Unsafe for vehicles, children and the elderly
-  H4 - Unsafe for people and vehicles
-  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
-  H6 - Not suitable for people, vehicles or buildings



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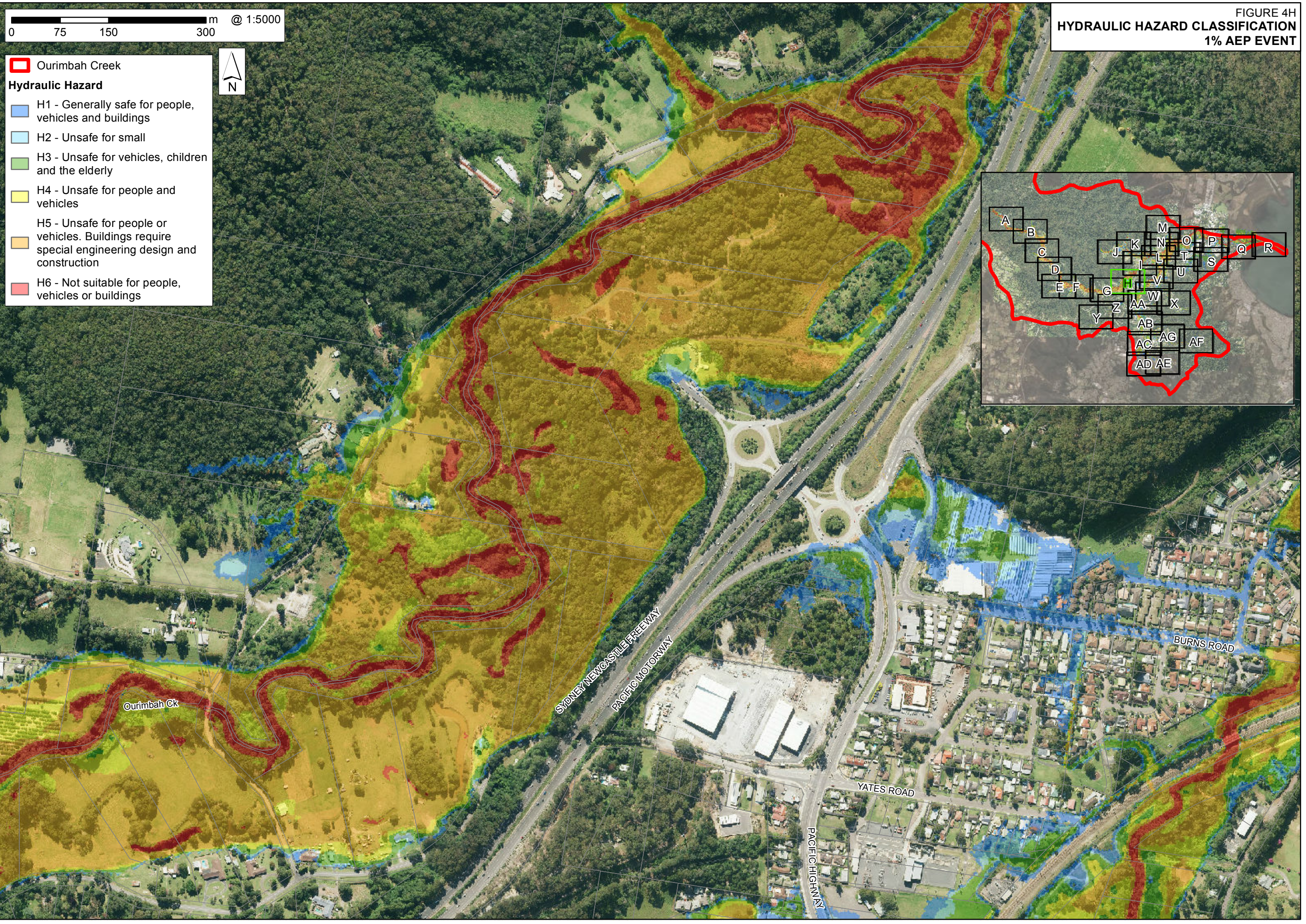


FIGURE 4H
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

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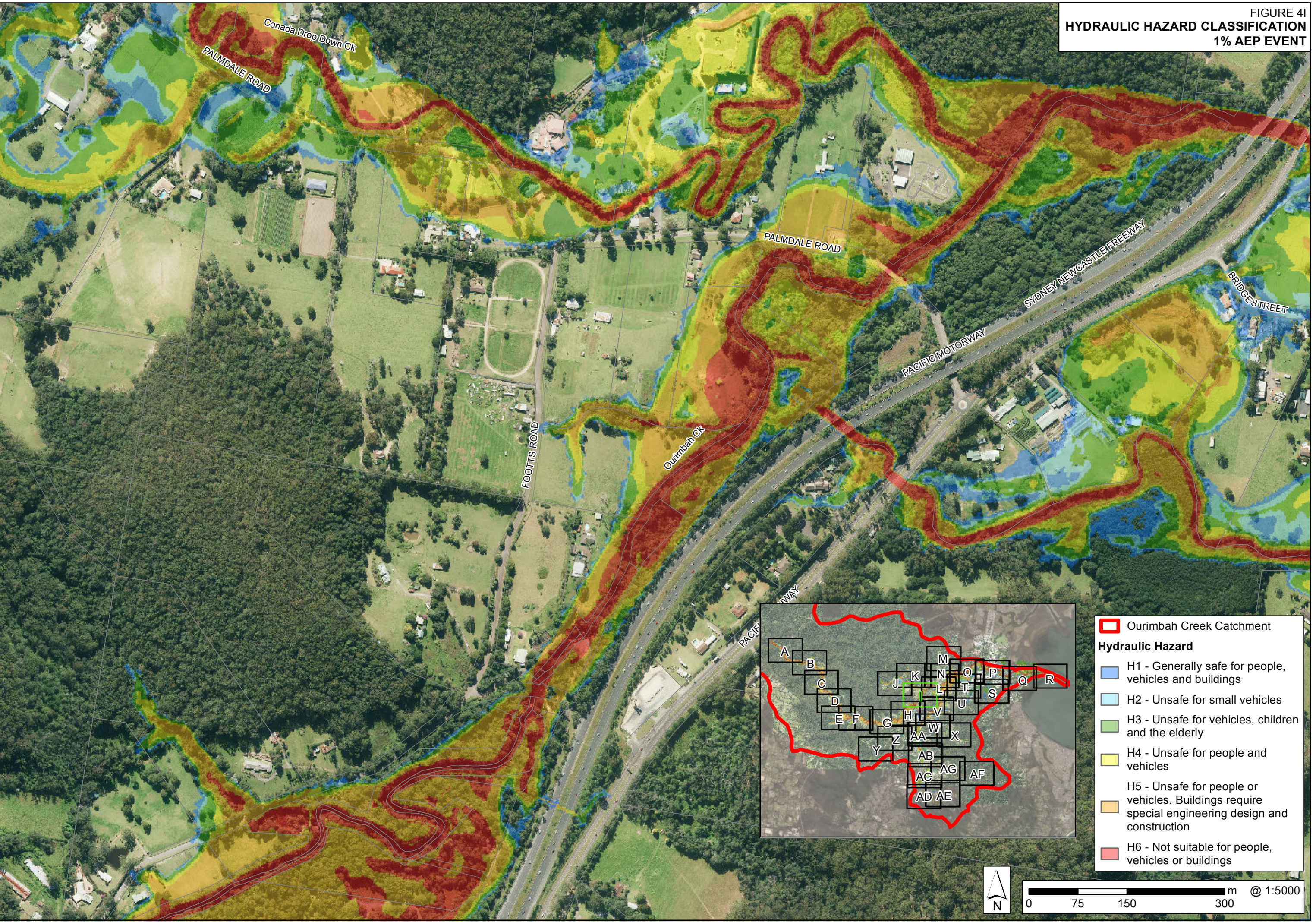
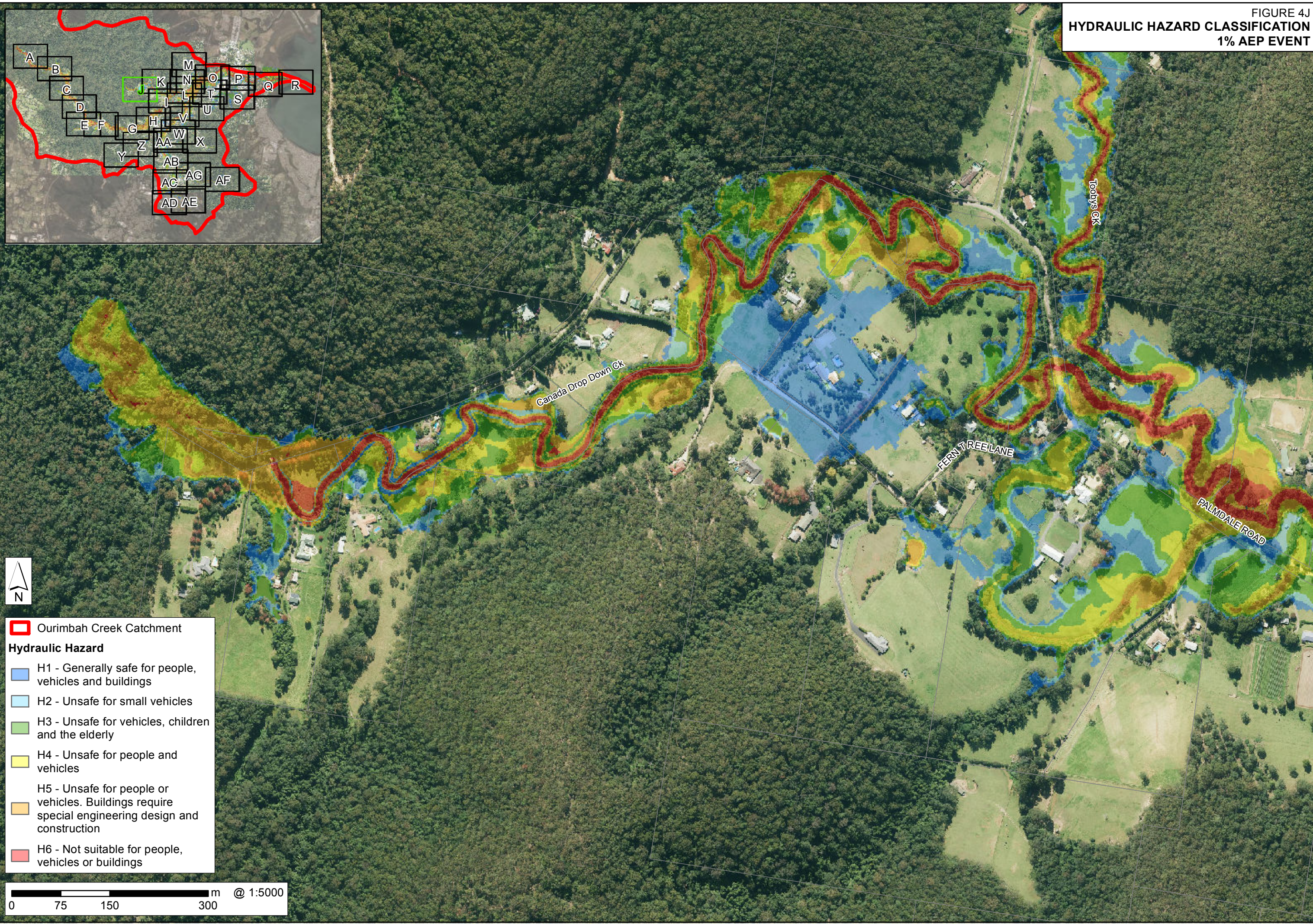


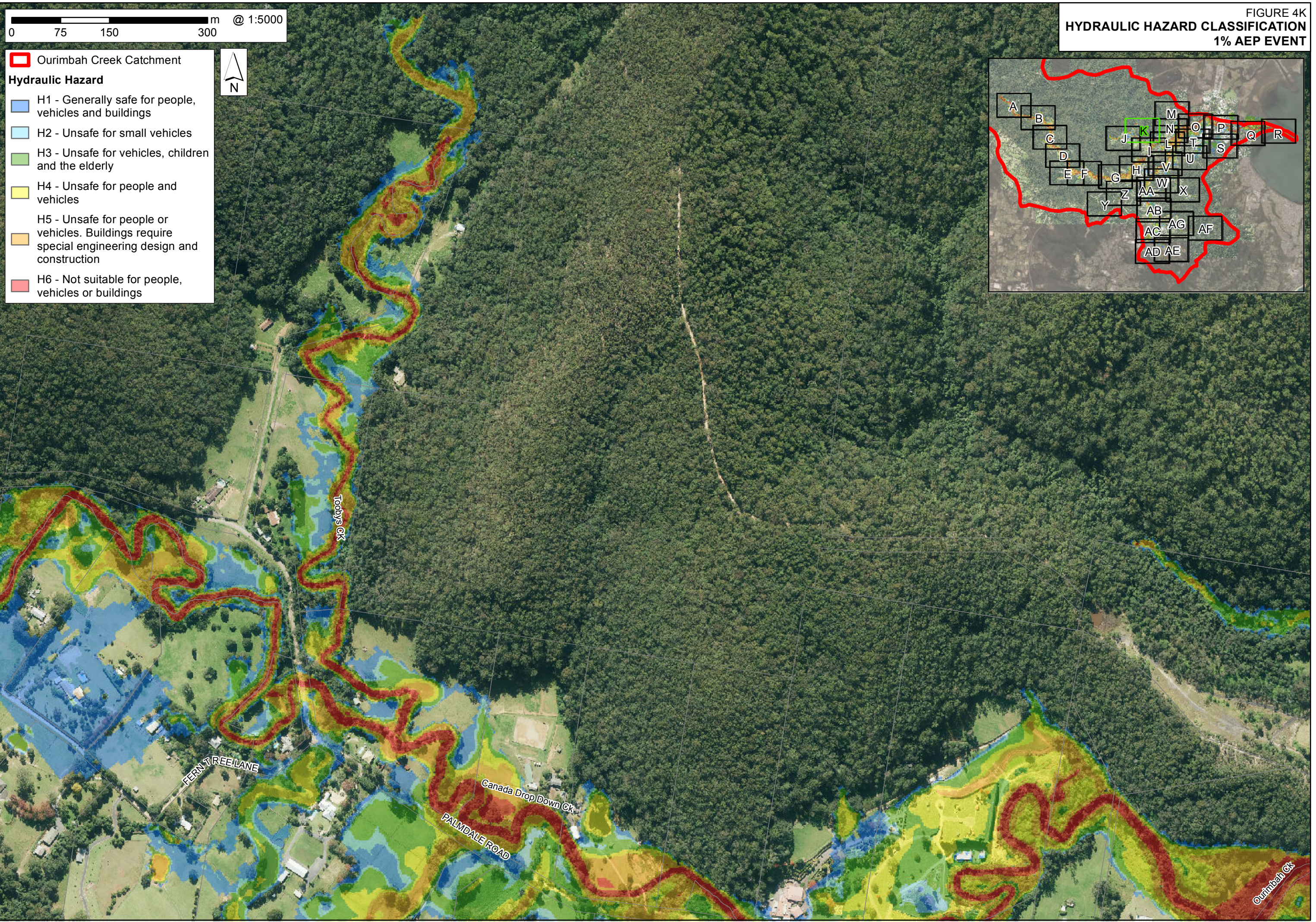
FIGURE 41
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

FIGURE 4J
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



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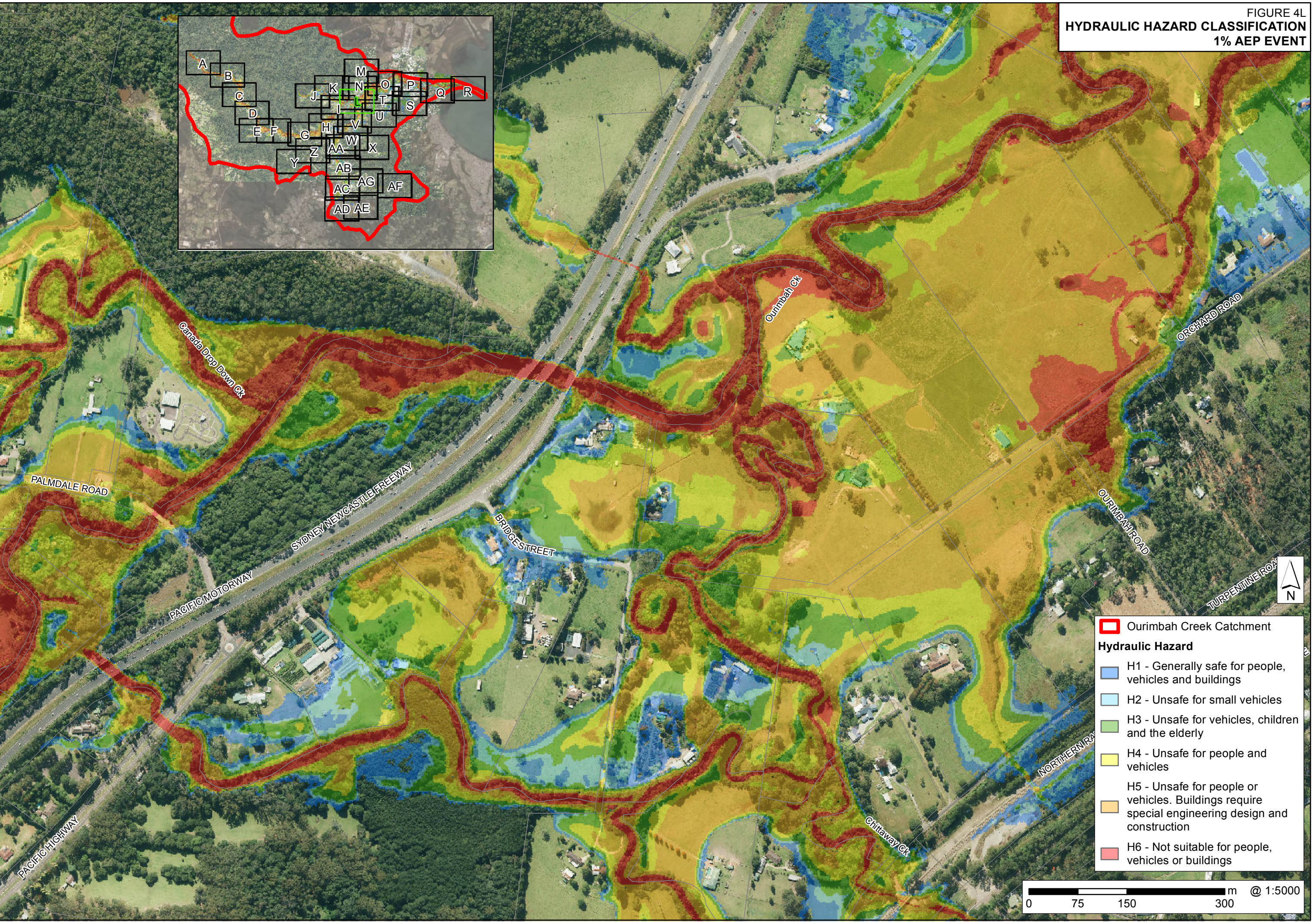
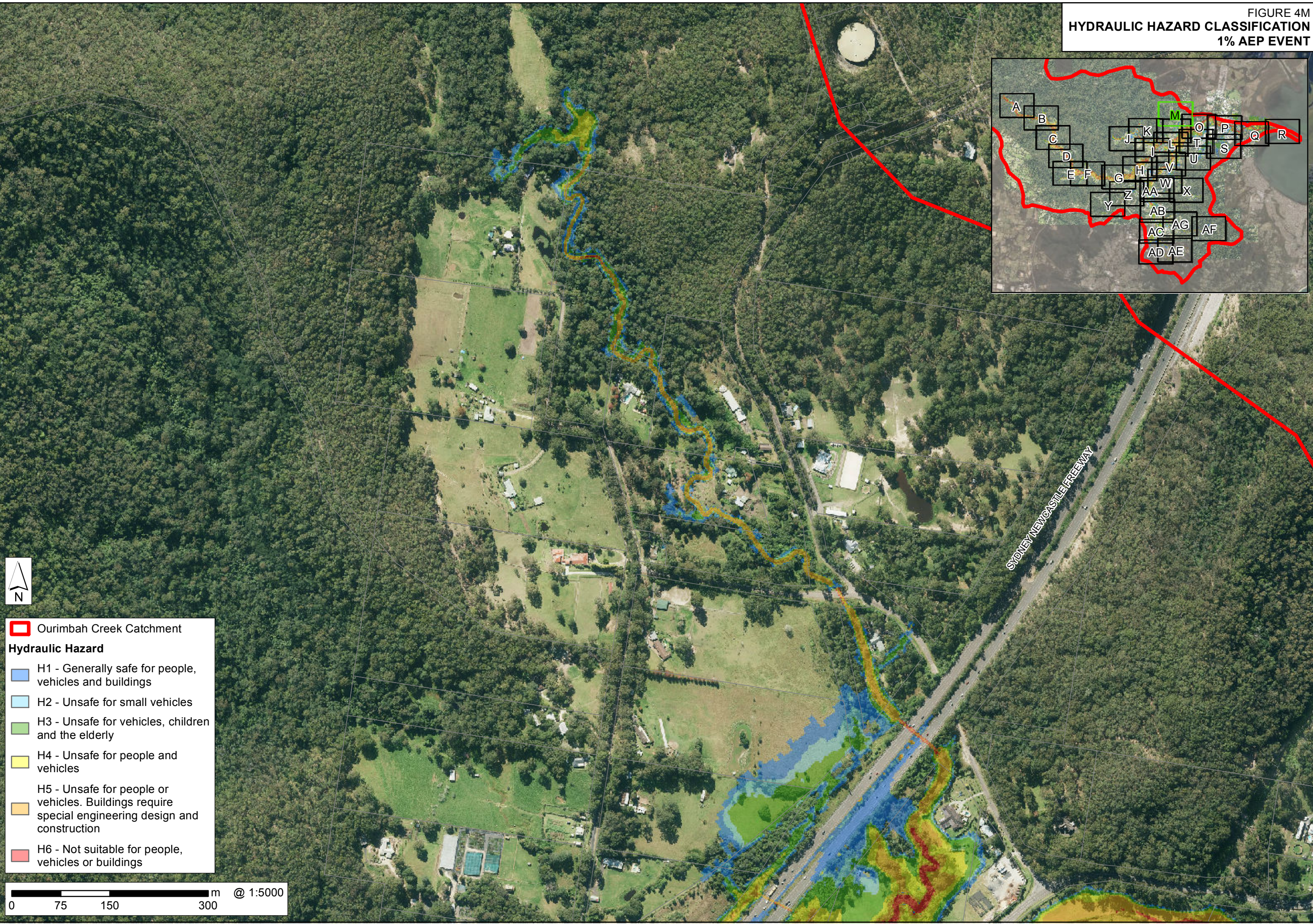
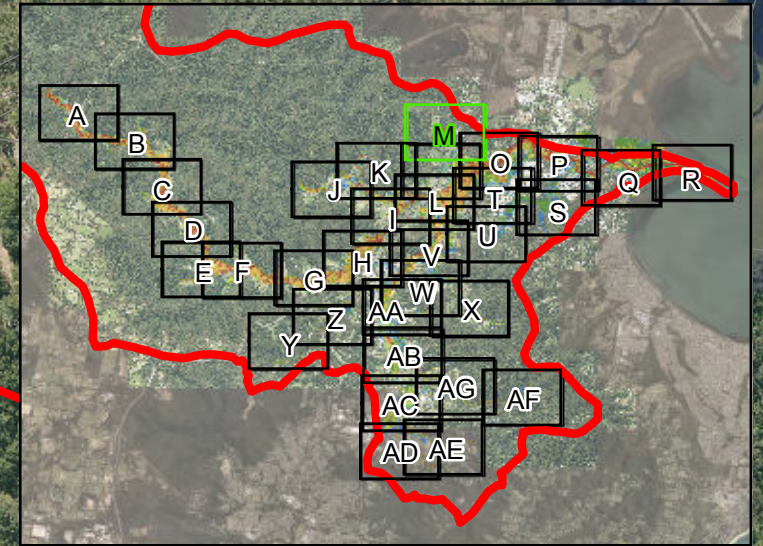
















FIGURE 4M
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



-  Ourimbah Creek Catchment
- Hydraulic Hazard**
-  H1 - Generally safe for people, vehicles and buildings
 -  H2 - Unsafe for small vehicles
 -  H3 - Unsafe for vehicles, children and the elderly
 -  H4 - Unsafe for people and vehicles
 -  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 -  H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

0 75 150 300 m @ 1:5000

-  Ourimbah Creek Catchment
- Hydraulic Hazard**
-  H1 - Generally safe for people, vehicles and buildings
 -  H2 - Unsafe for small vehicles
 -  H3 - Unsafe for vehicles, children and the elderly
 -  H4 - Unsafe for people and vehicles
 -  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 -  H6 - Not suitable for people, vehicles or buildings

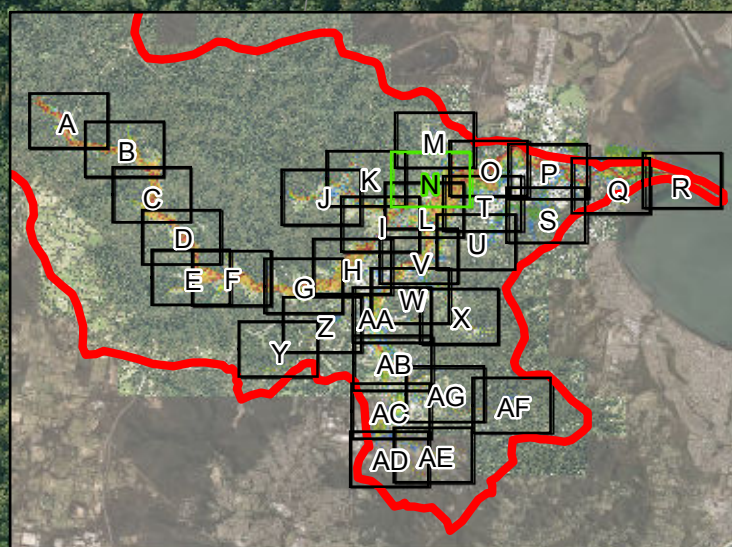
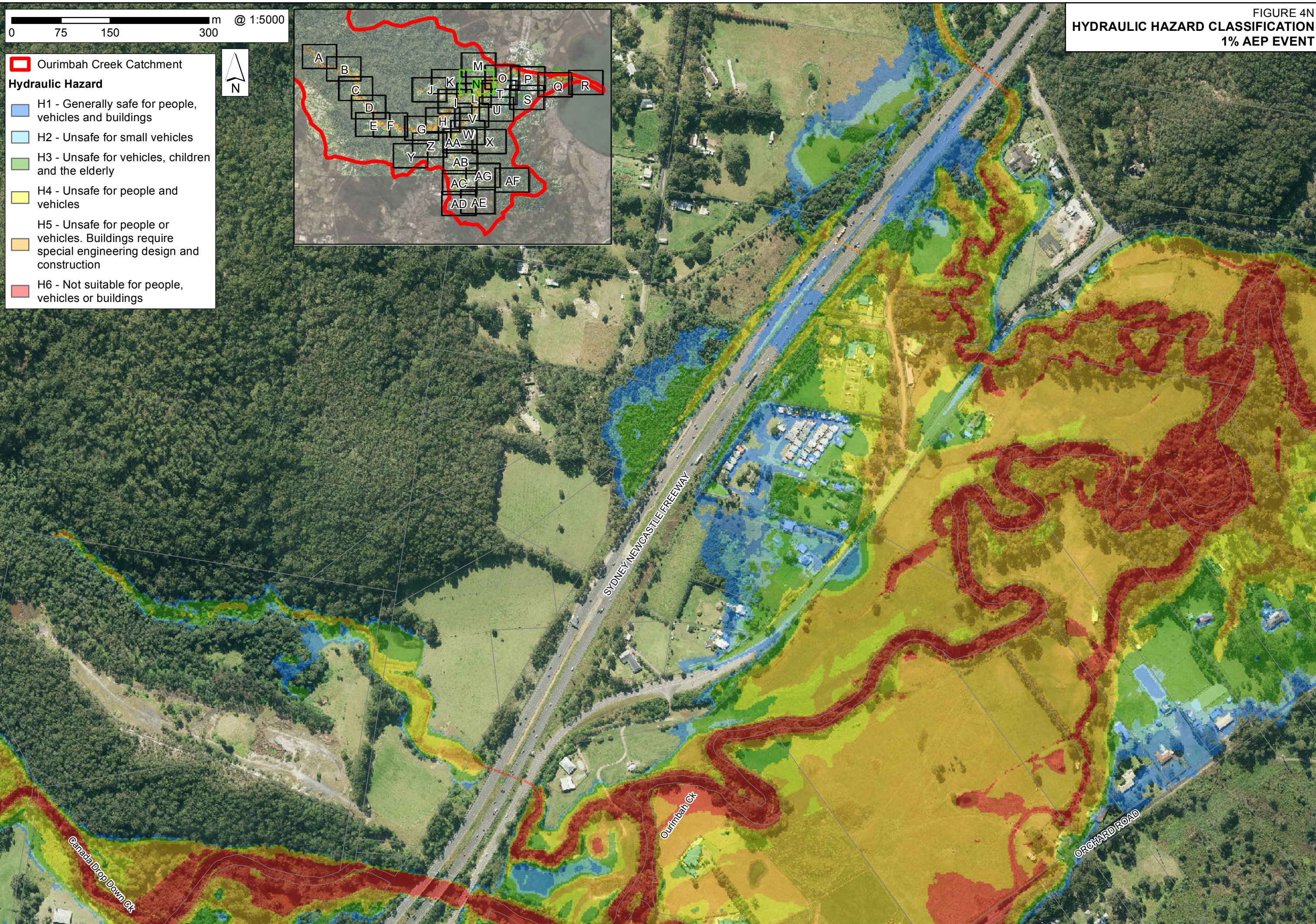



FIGURE 4N
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT







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0 75 150 300 m @ 1:5000

 Ourimbah Creek Catchment

Hydraulic Hazard

-  H1 - Generally safe for people, vehicles and buildings
-  H2 - Unsafe for small vehicles
-  H3 - Unsafe for vehicles, children and the elderly
-  H4 - Unsafe for people and vehicles
-  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
-  H6 - Not suitable for people, vehicles or buildings

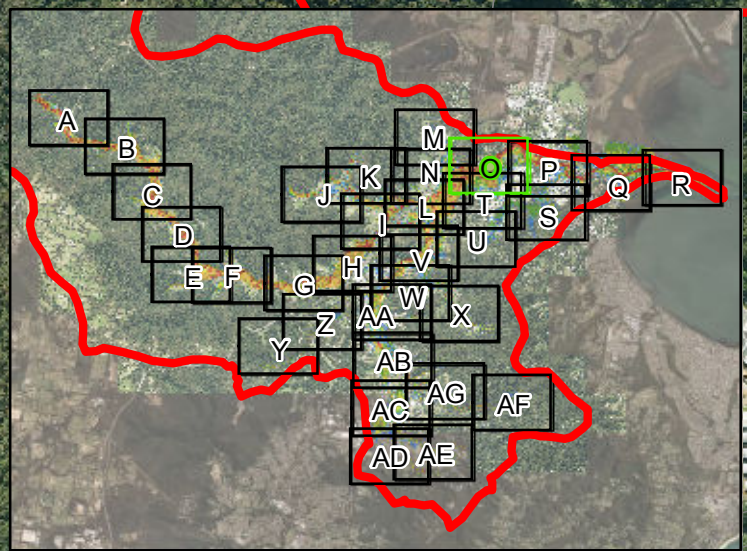


FIGURE 40
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

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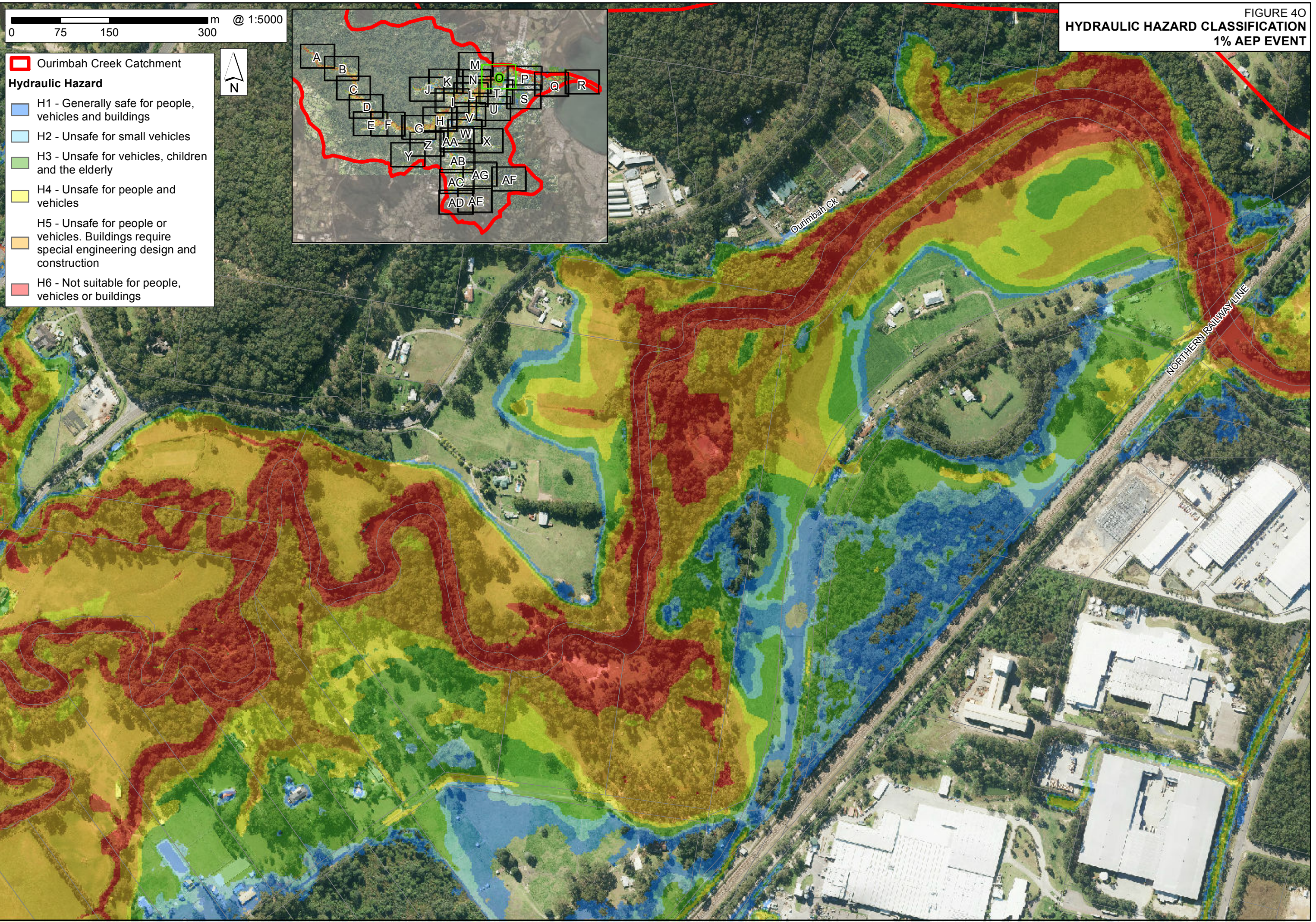
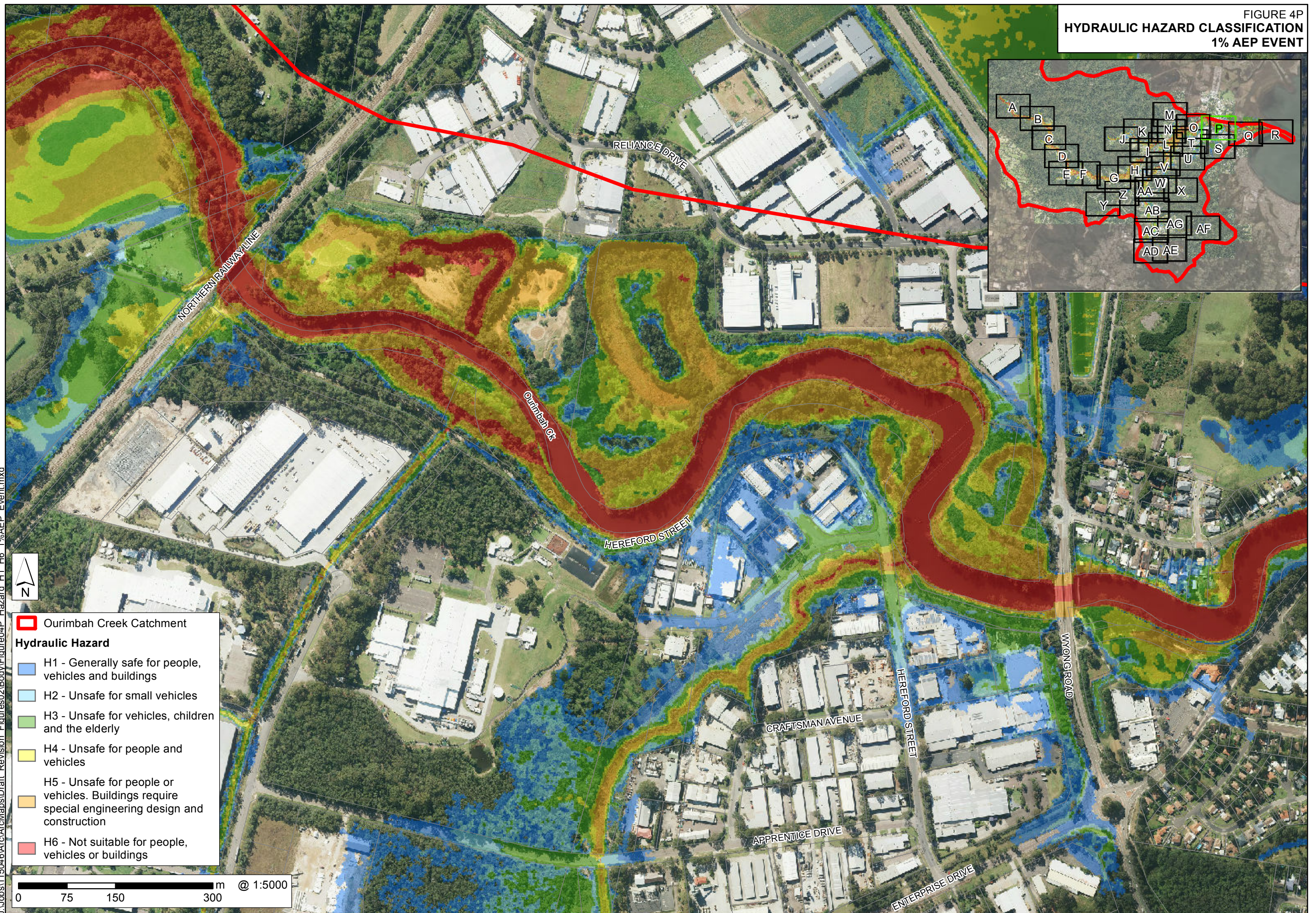


FIGURE 4P
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



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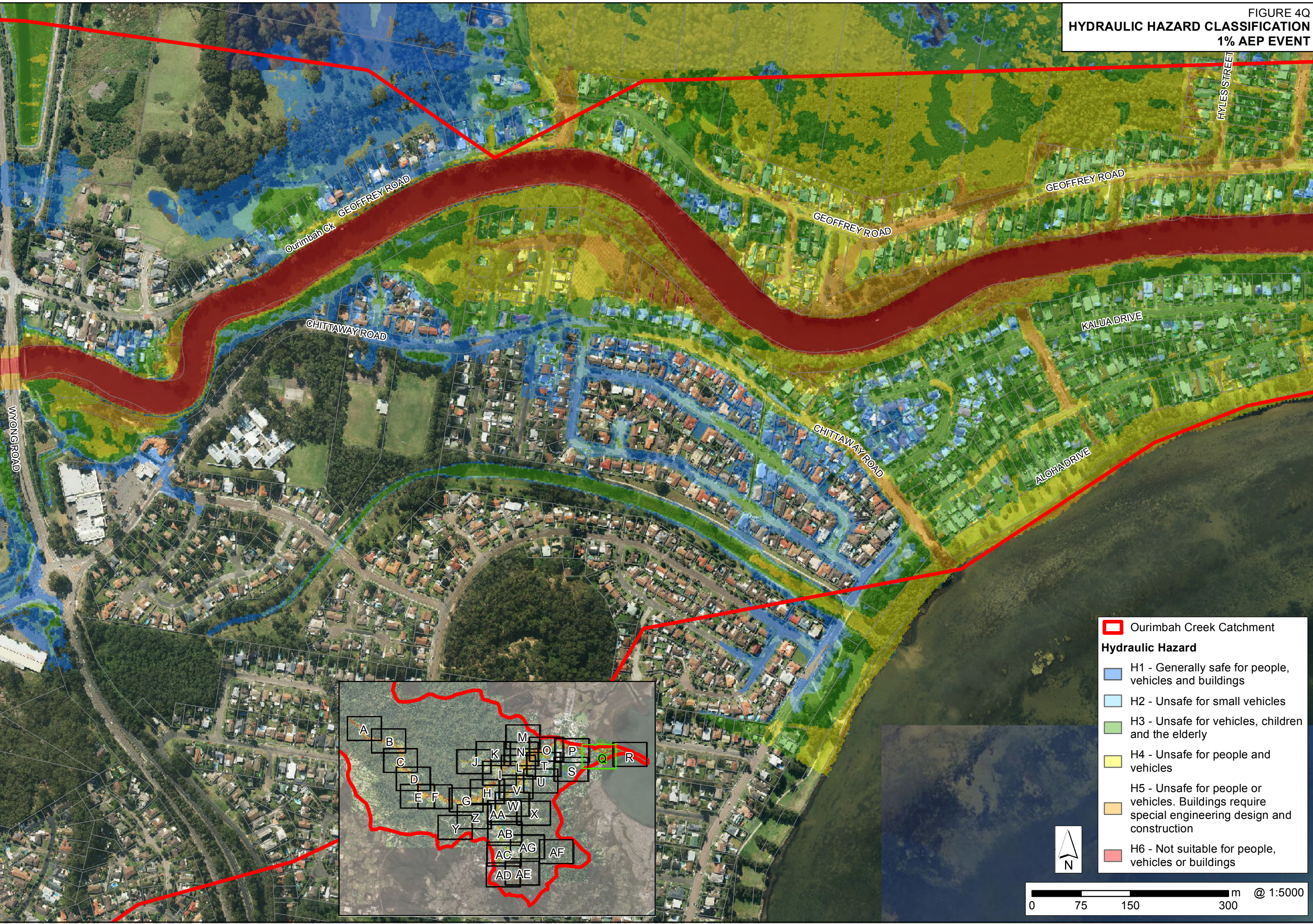


FIGURE 4Q
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

Ourimbah Creek Catchment

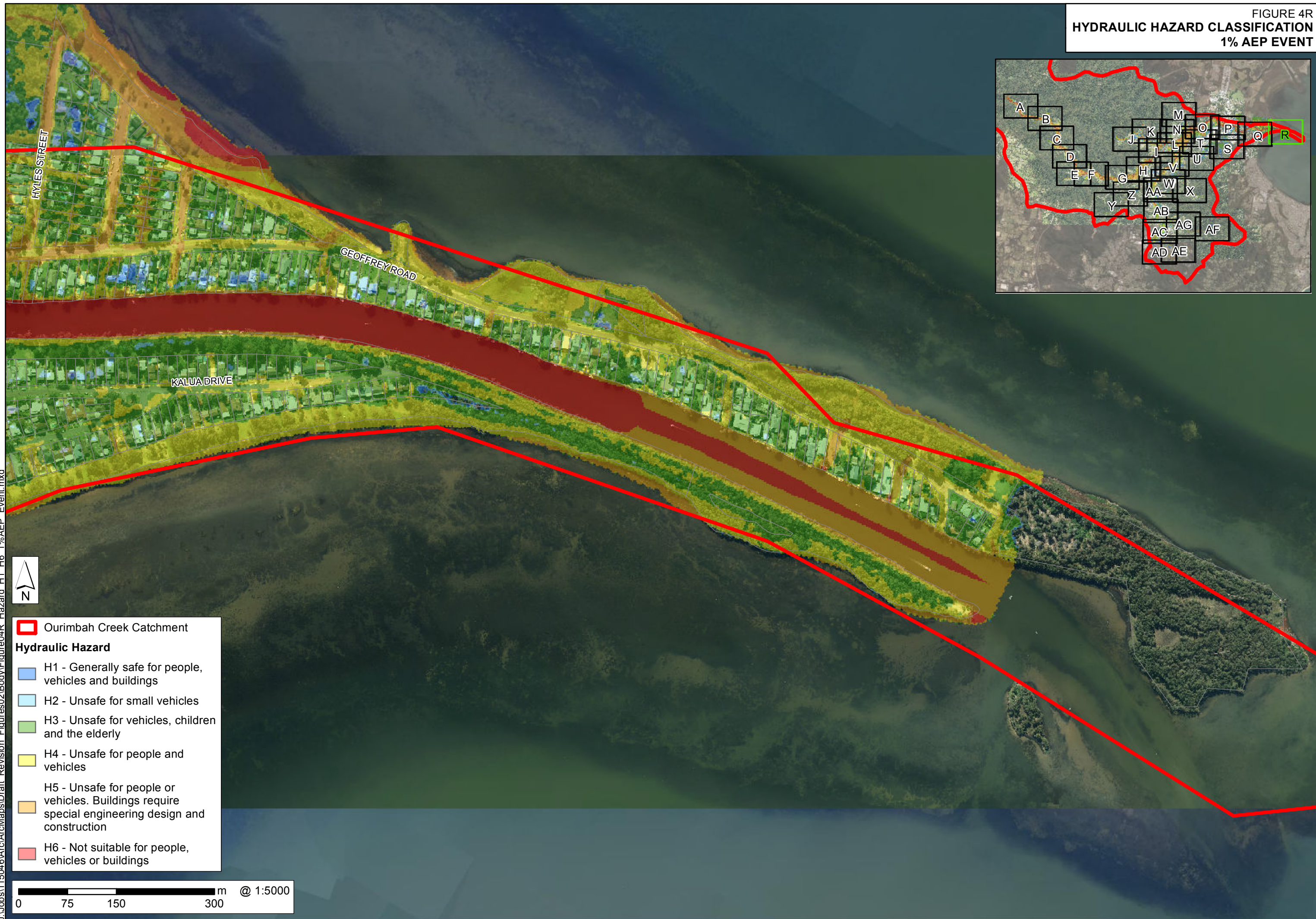
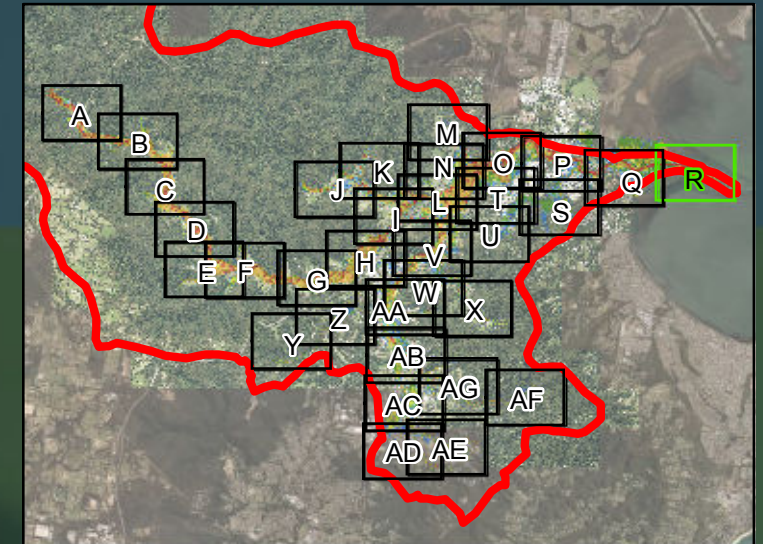
Hydraulic Hazard

- H1 - Generally safe for people, vehicles and buildings
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
- H6 - Not suitable for people, vehicles or buildings

N

0 75 150 300 m @ 1:5000

FIGURE 4R
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



- Ourimbah Creek Catchment
- Hydraulic Hazard**
- H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 - H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

FIGURE 4S
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



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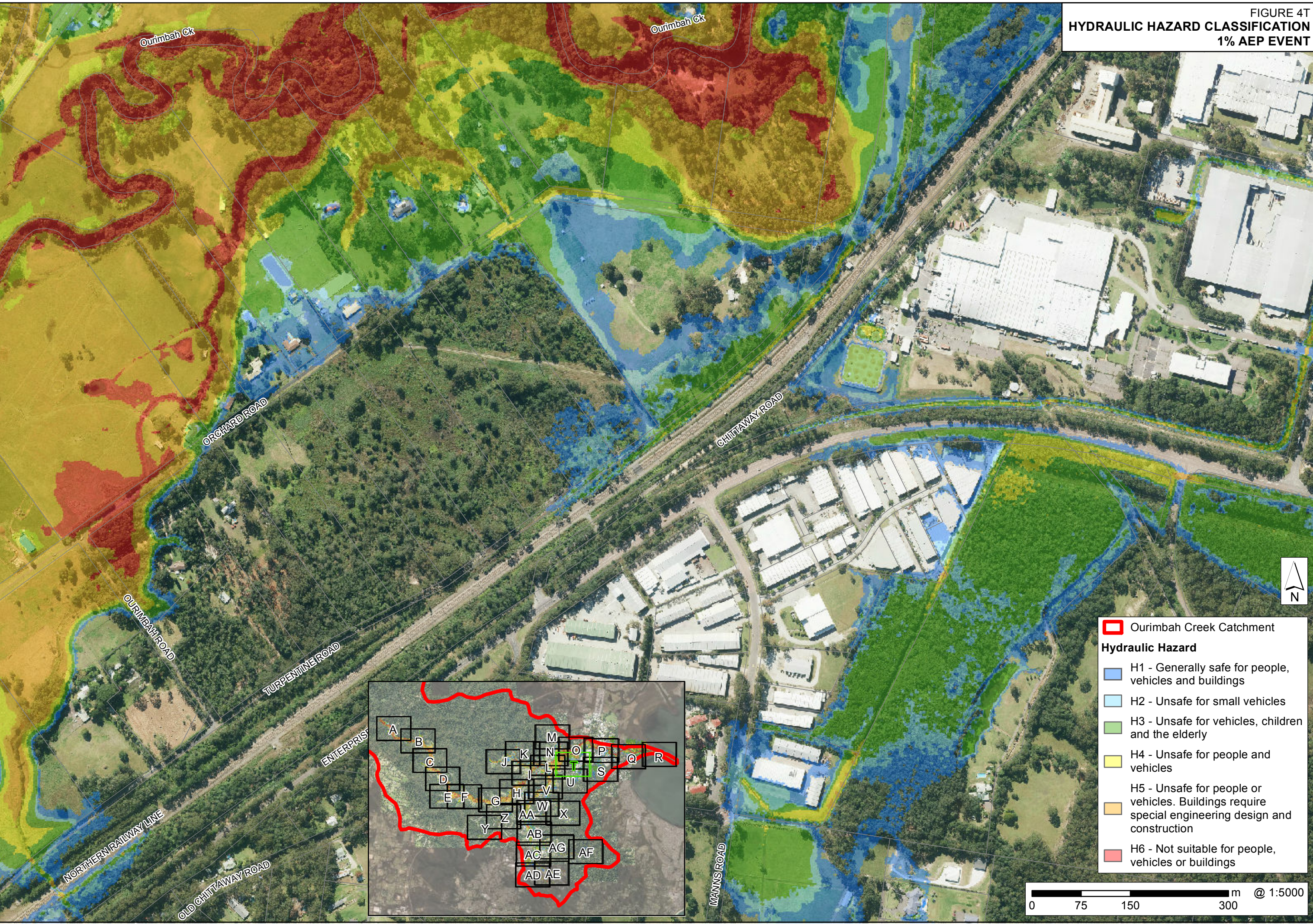


FIGURE 4T
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

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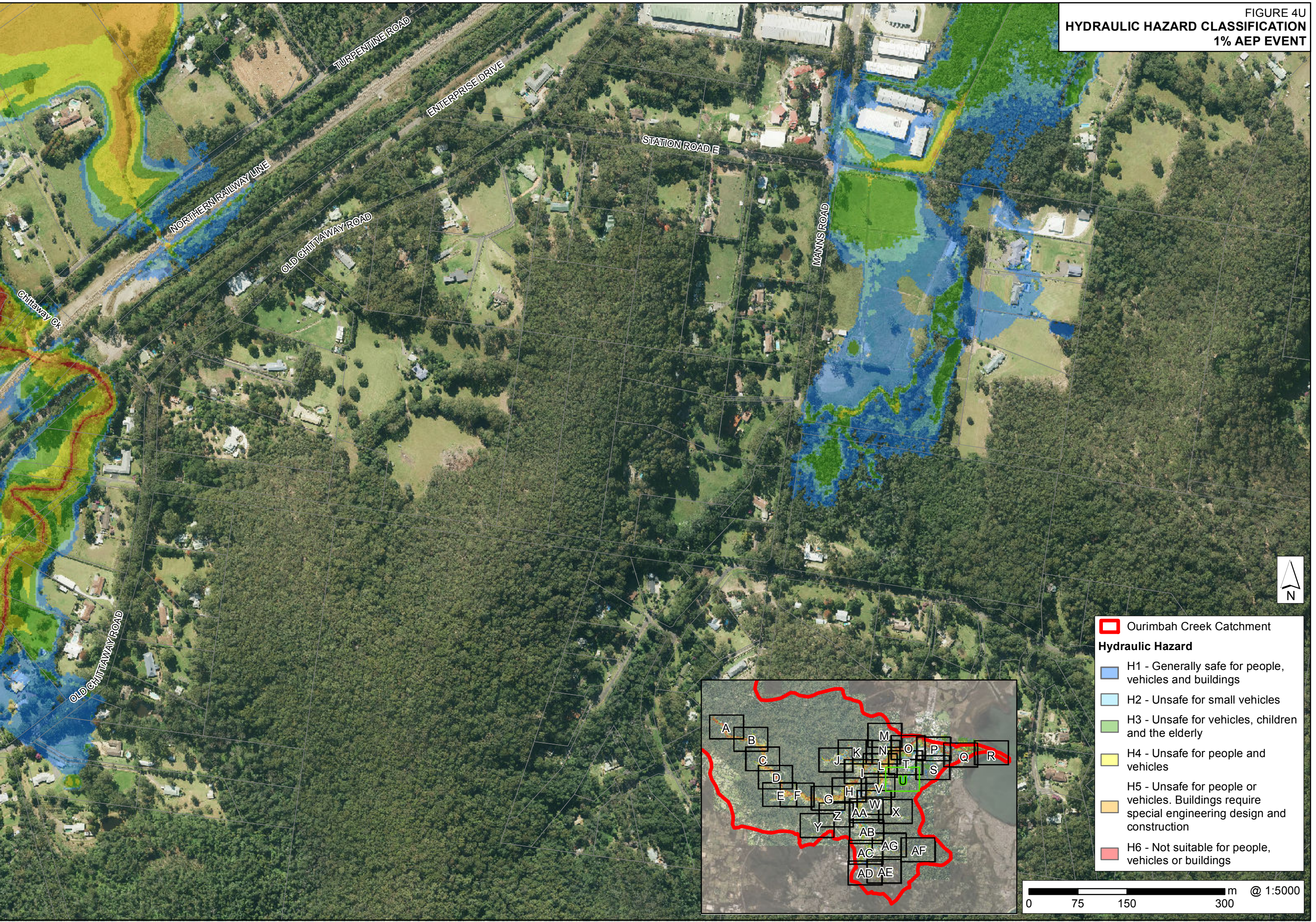


FIGURE 4V
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

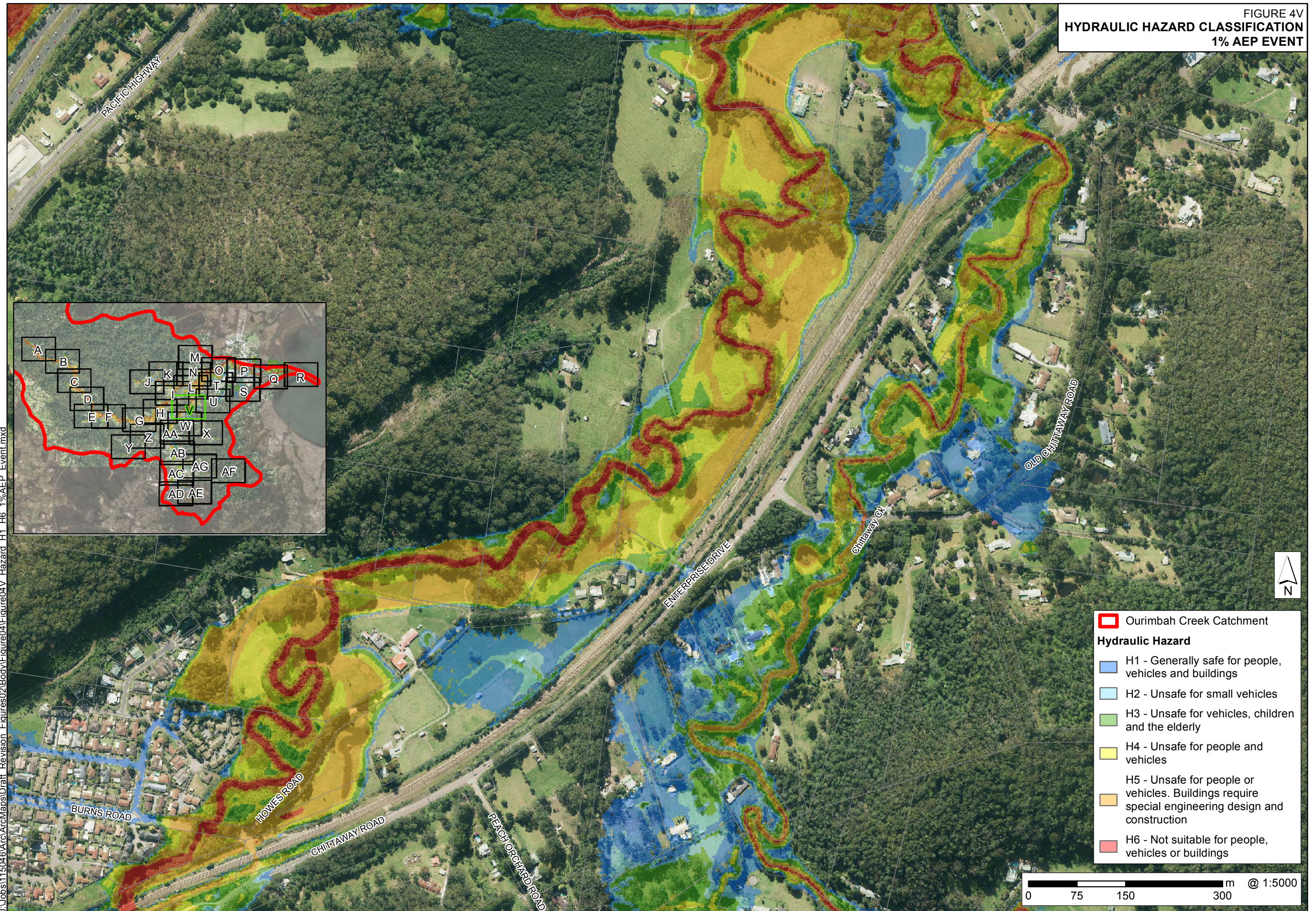


FIGURE 4W
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

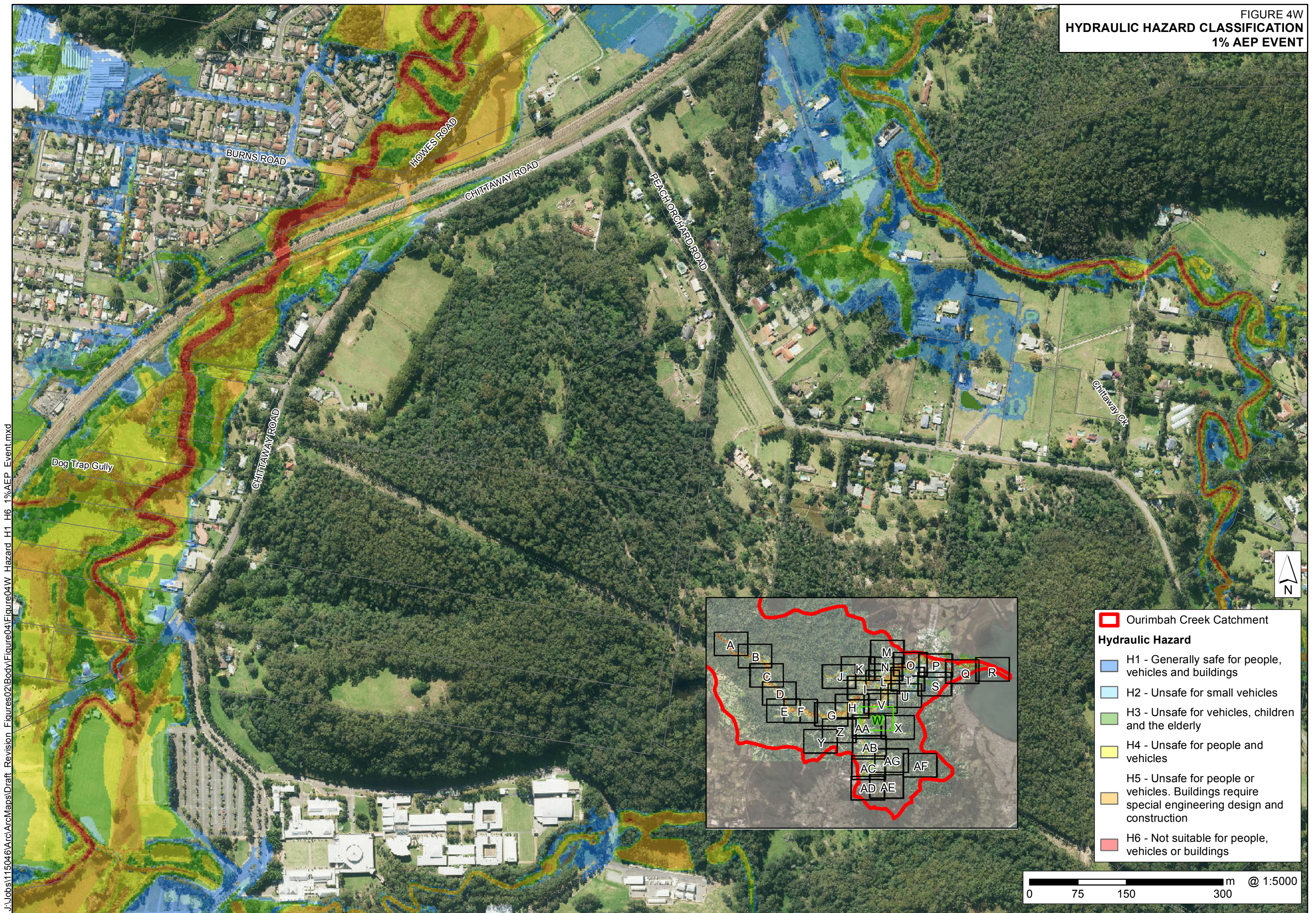


FIGURE 4X
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

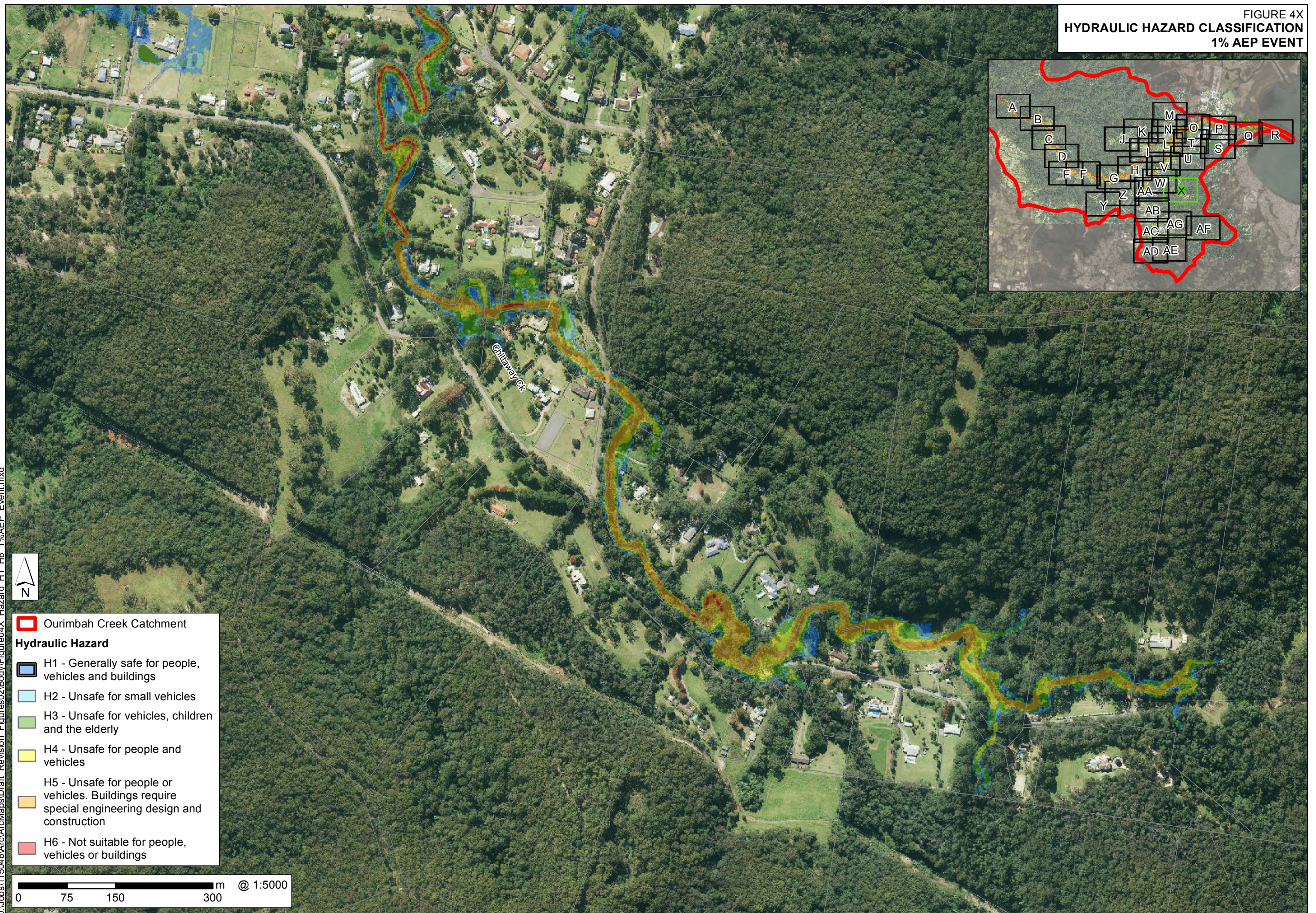
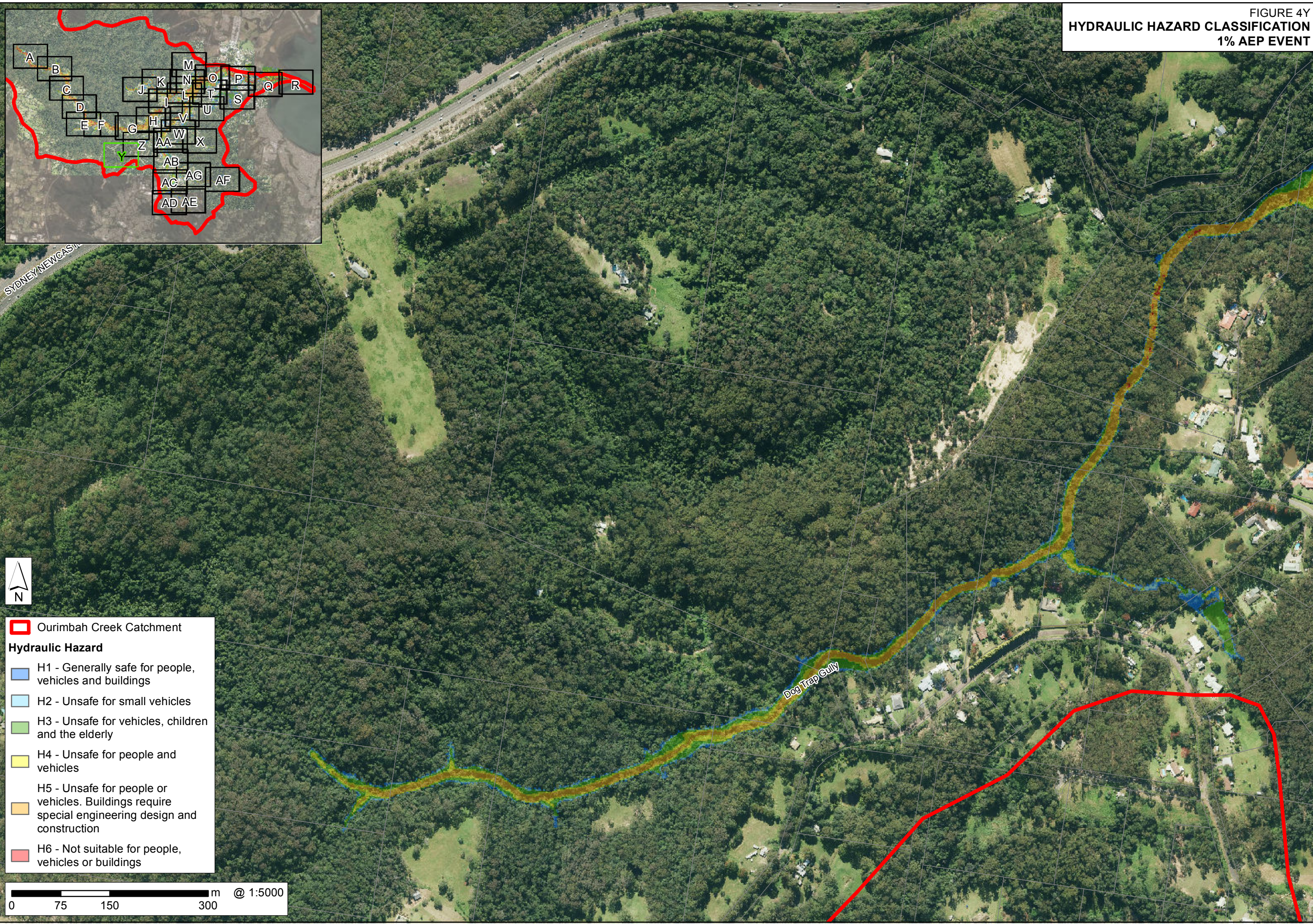









FIGURE 4Y
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



 Ourimbah Creek Catchment

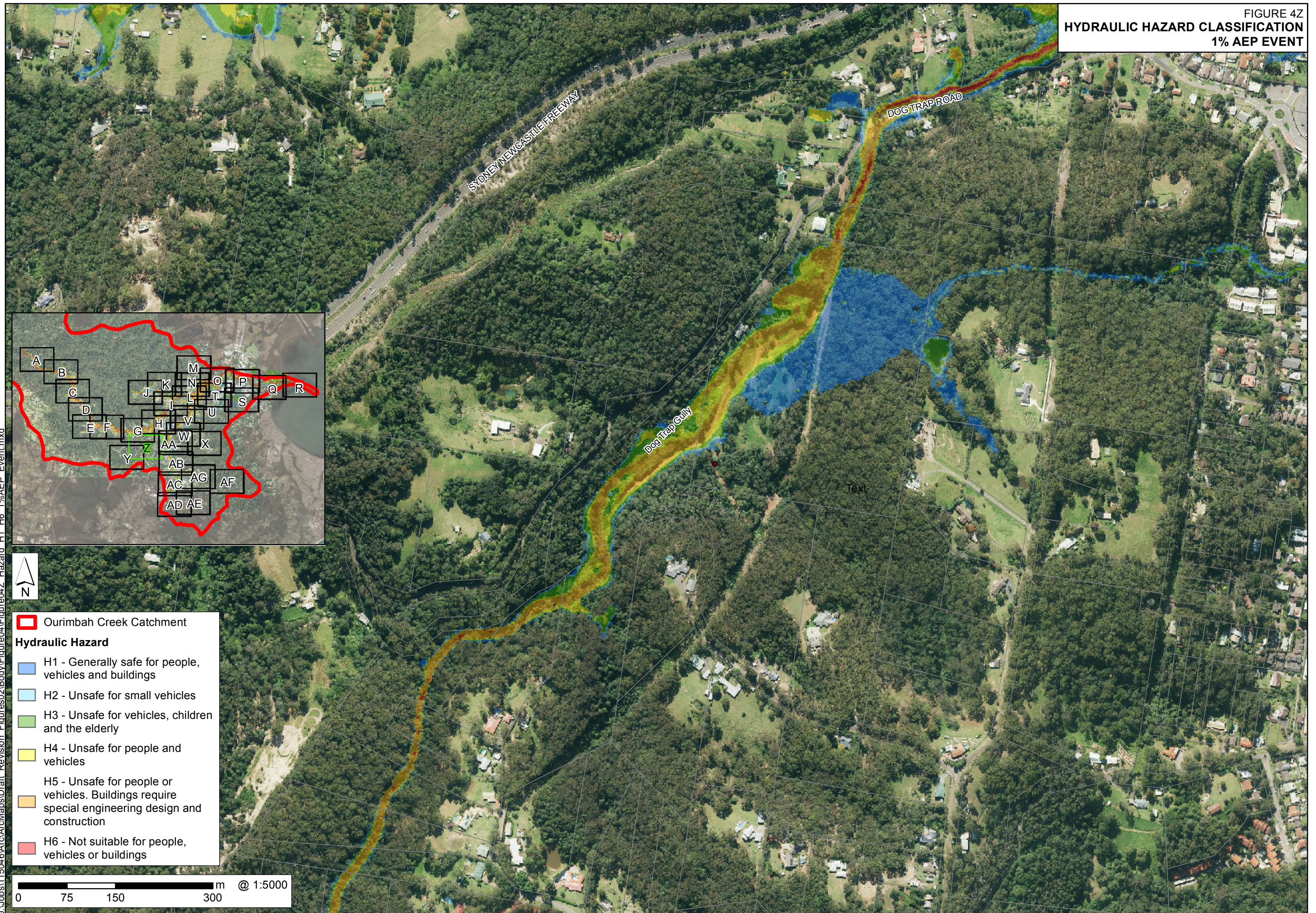
Hydraulic Hazard

-  H1 - Generally safe for people, vehicles and buildings
-  H2 - Unsafe for small vehicles
-  H3 - Unsafe for vehicles, children and the elderly
-  H4 - Unsafe for people and vehicles
-  H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
-  H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

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FIGURE 4Z
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



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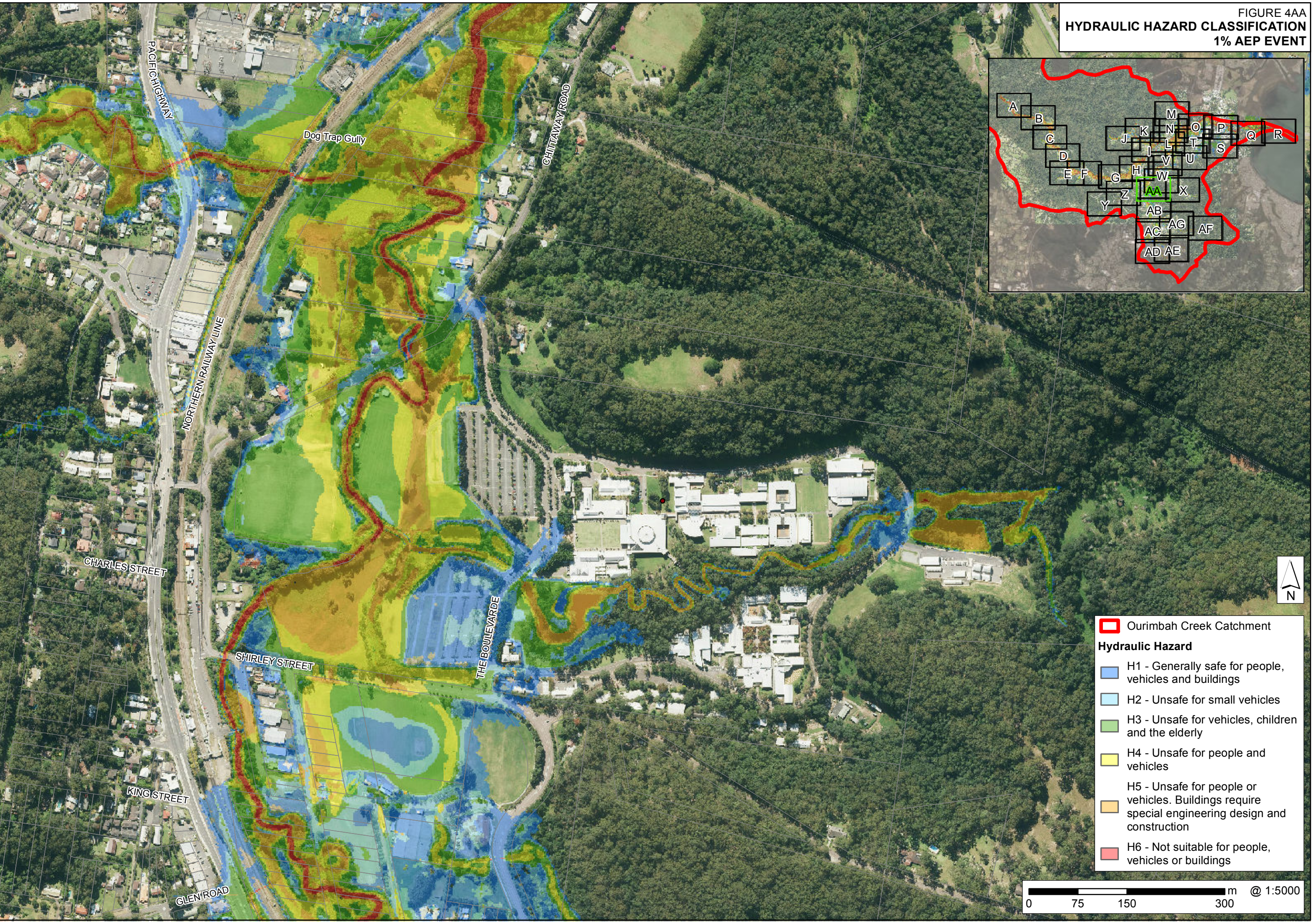


FIGURE 4AA
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

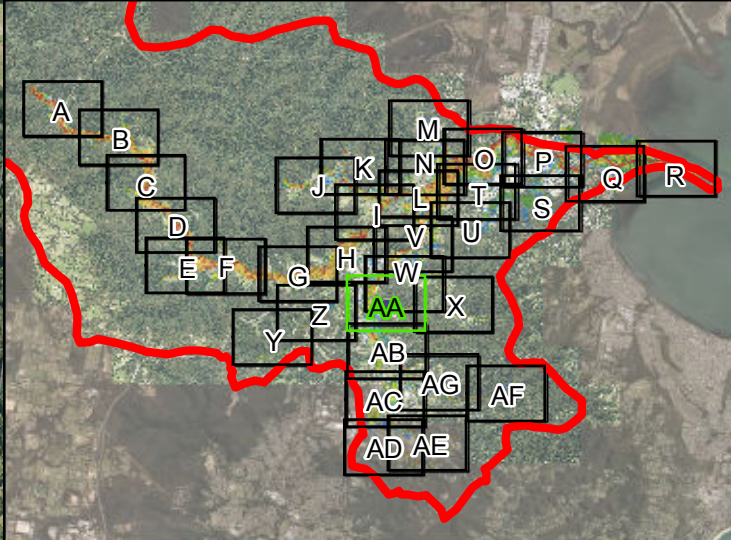


FIGURE 4AB
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

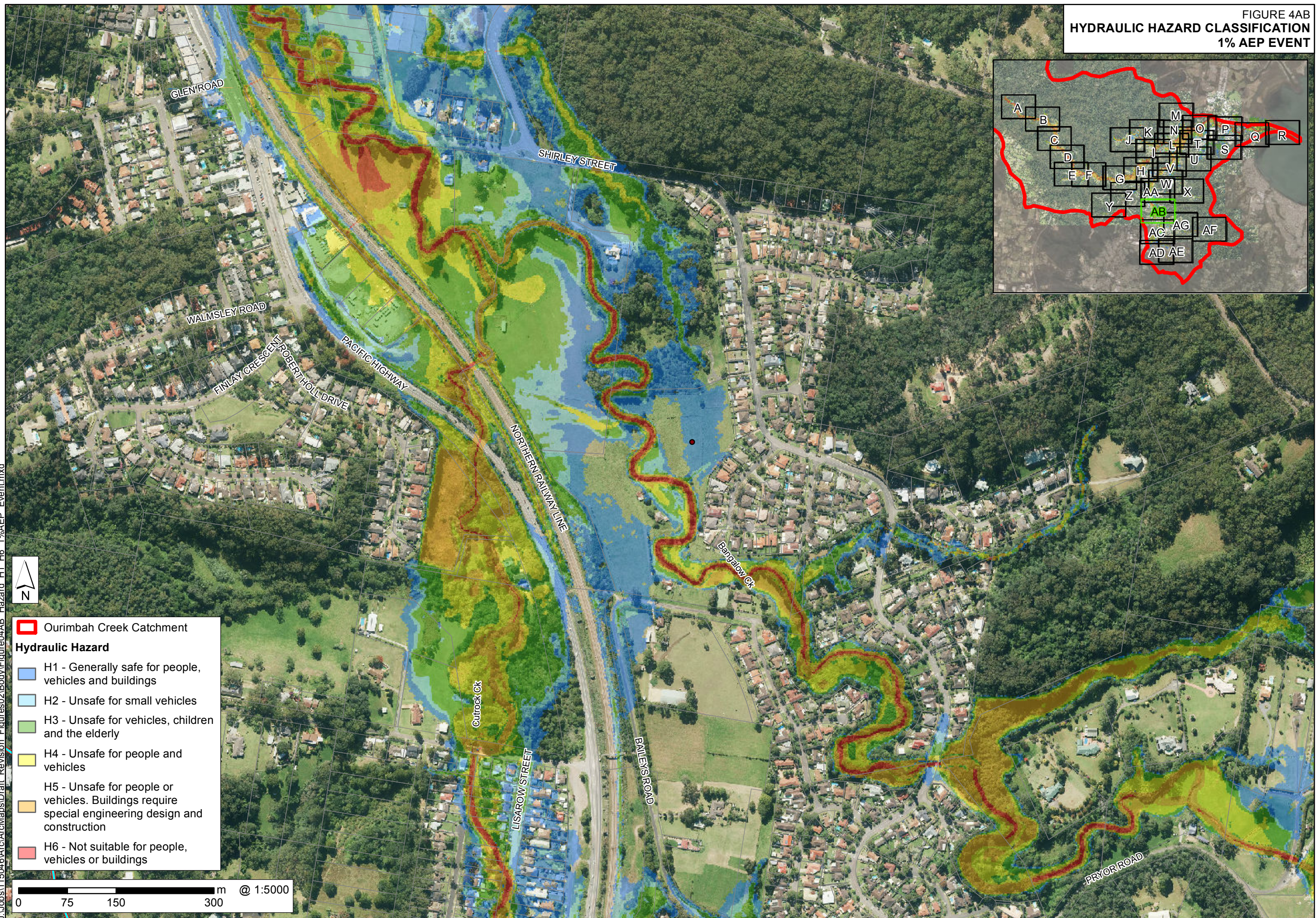
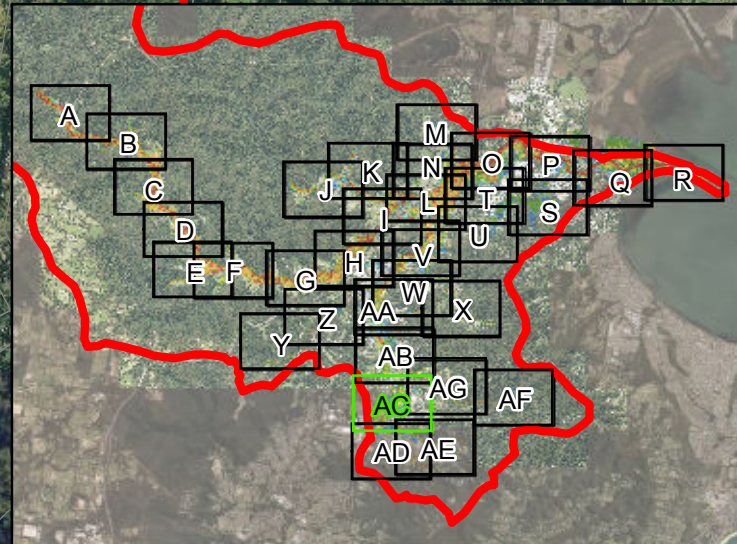
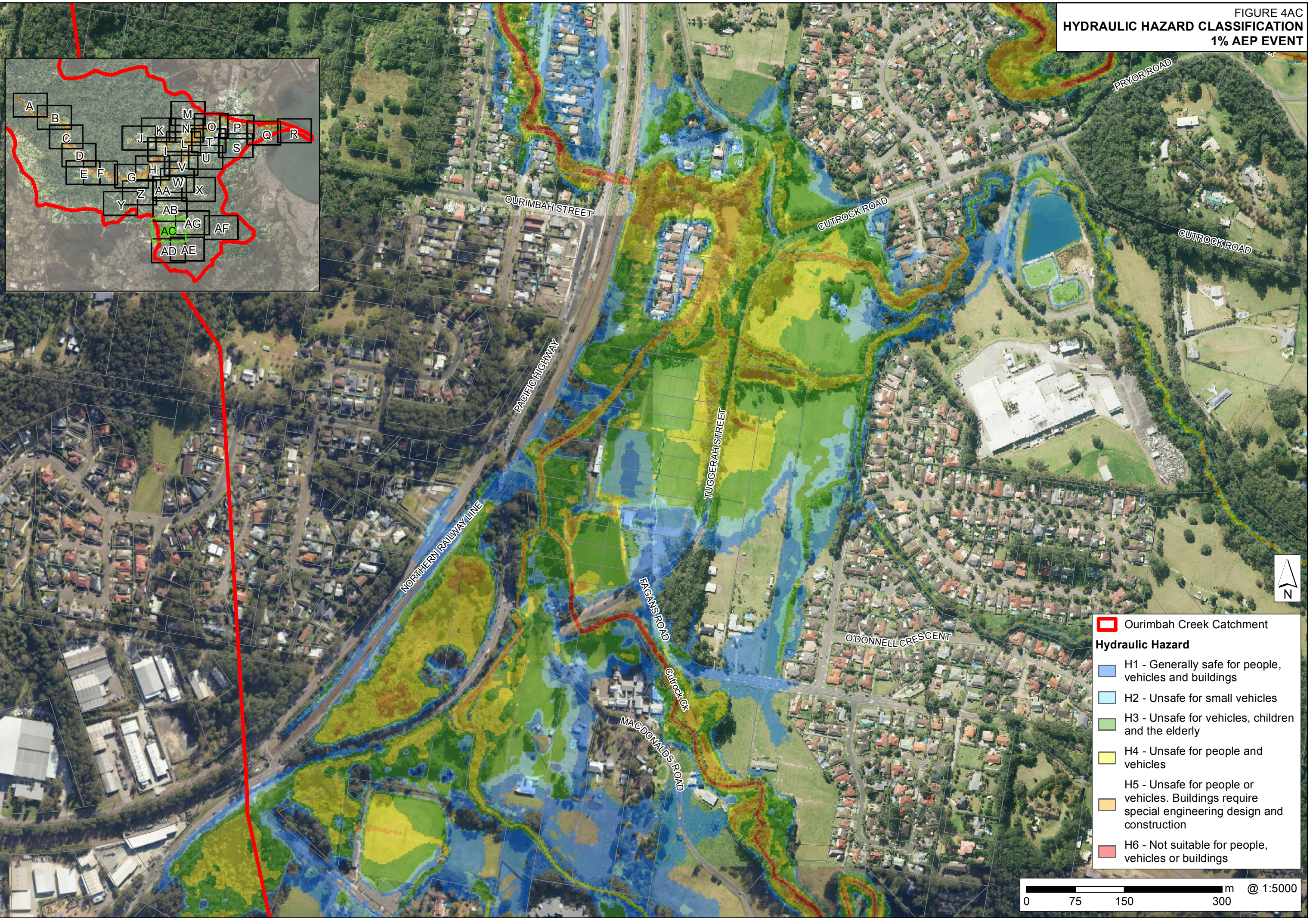


FIGURE 4AC
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



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- Ourimbah Creek Catchment**
- Hydraulic Hazard**
- H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for people or vehicles. Buildings require special engineering design and construction
 - H6 - Not suitable for people, vehicles or buildings

0 75 150 300 m @ 1:5000

FIGURE 4AD
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

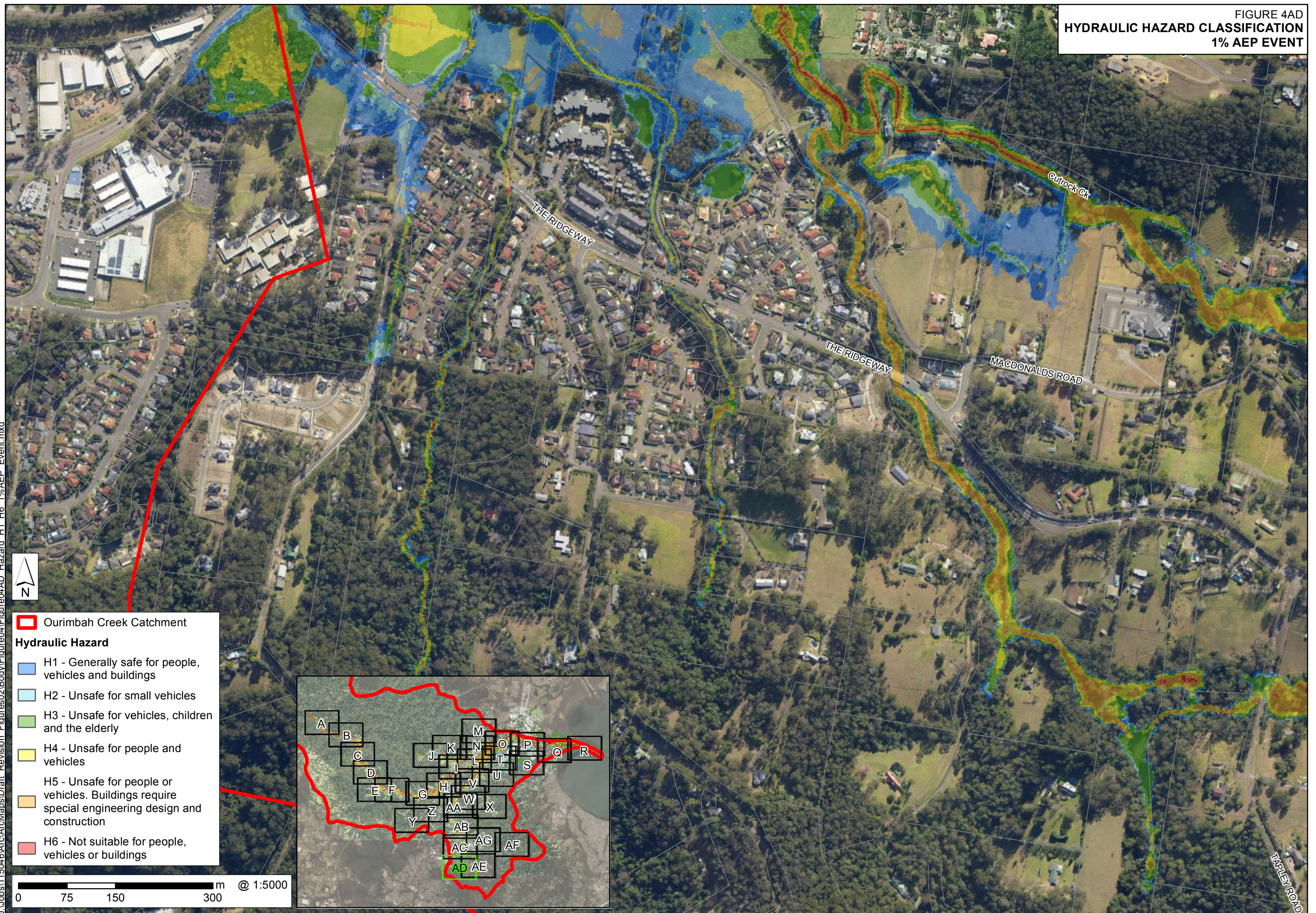
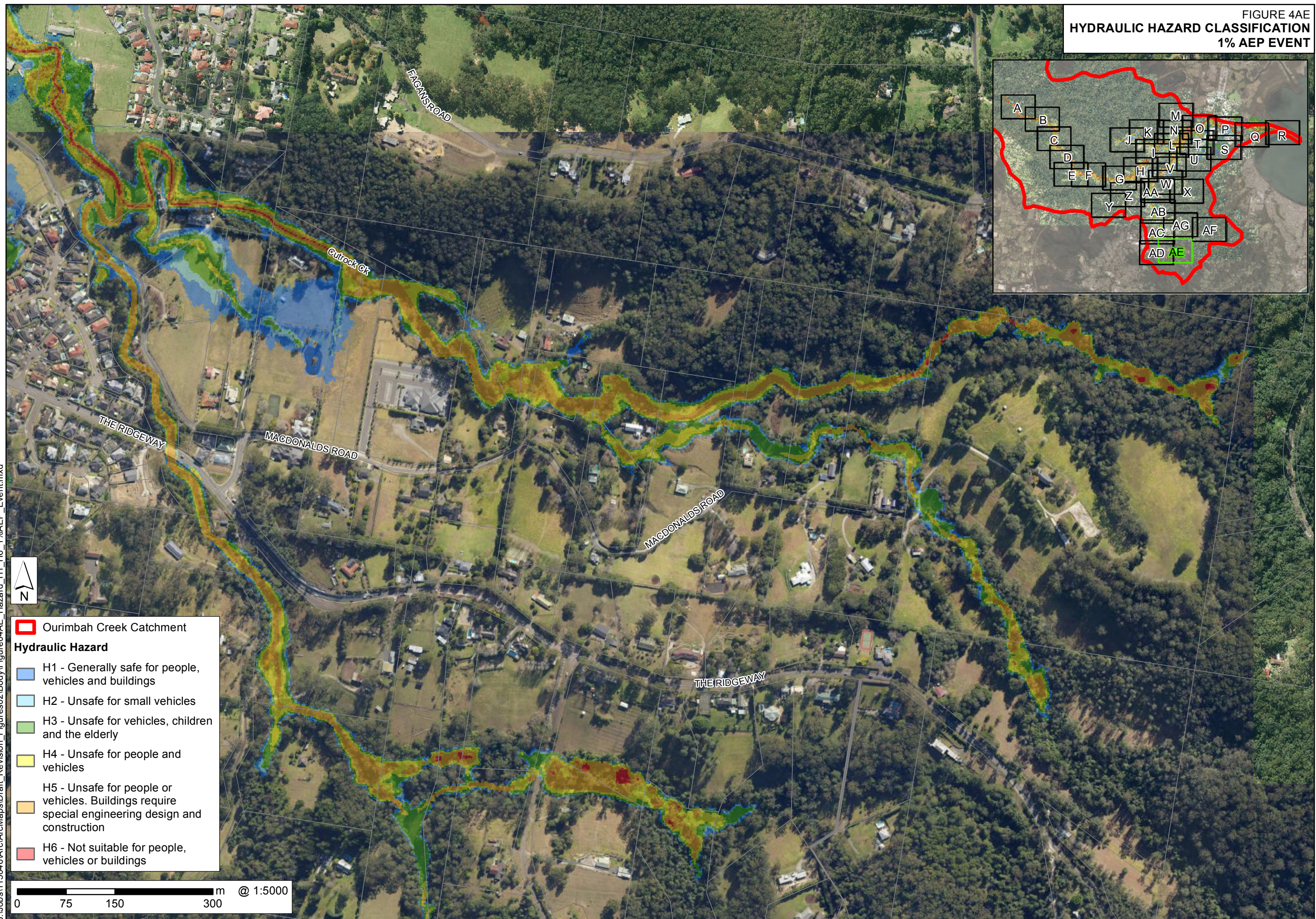


FIGURE 4AE
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT



J:\Jobs\115046\ArcMaps\Draft_Revision\Figures\Figure4AE_Hazard_H1_H6_1%AE_Event.mxd

FIGURE 4AF
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

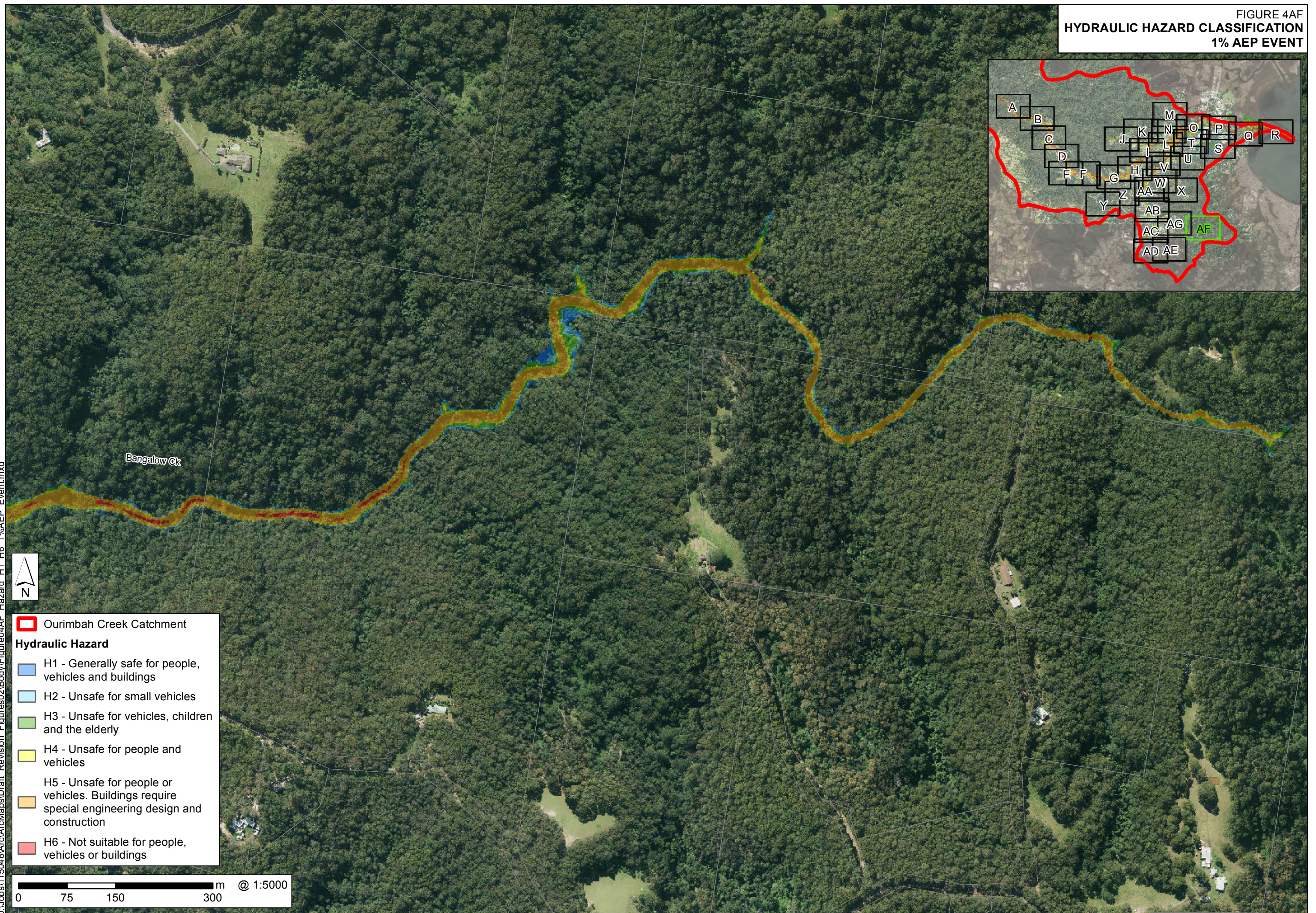


FIGURE 4AG
HYDRAULIC HAZARD CLASSIFICATION
1% AEP EVENT

