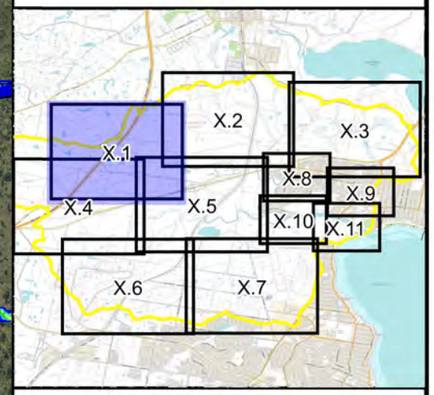
FLOOD HAZARD MAPS

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Pacific Motorway

Bushells Ridge

Figure 13.1: Hazard Categories for the 1% AEP Flood

Prepared By:

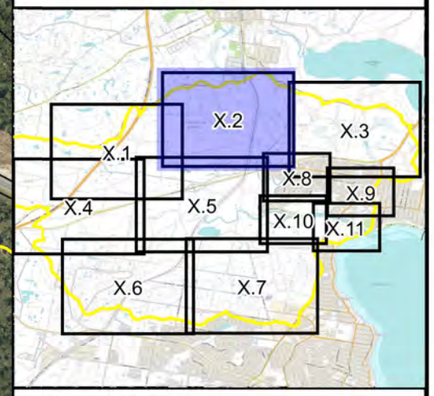
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig13.1 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 13.2: Hazard Categories for the 1% AEP Flood

Prepared By:

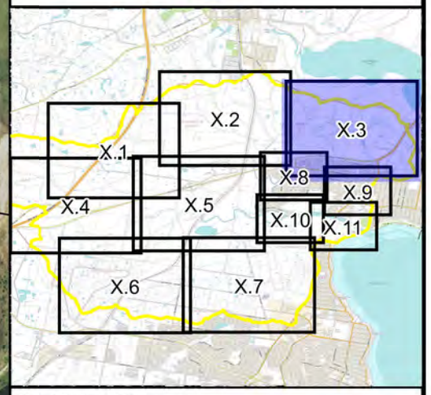
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig13.2 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

Doyalson Link Road

Roper Road

Colorado Drive

Figure 13.3: Hazard Categories for the 1% AEP Flood

Prepared By:

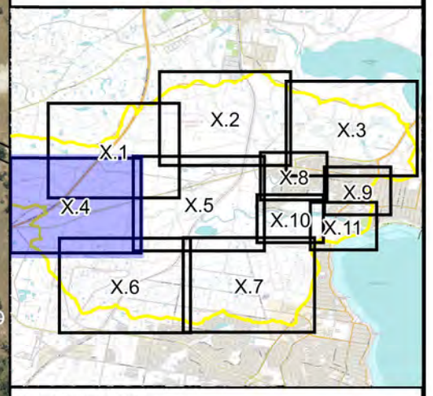
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig13.3 - Hazard Categories for the 1% AEP Flood.wor

Pacific Motorway

Bushells Ridge

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 13.4: Hazard Categories for the 1% AEP Flood

Prepared By:

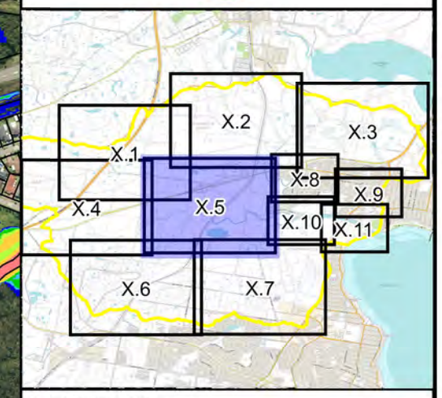
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig13.4 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



Bushells Ridge

Wallarah Creek

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 13.5: Hazard Categories for the 1% AEP Flood

Prepared By:

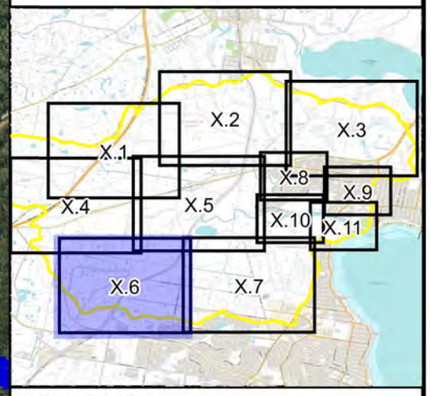
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig13.5 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



Wallarah

Sparks R

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

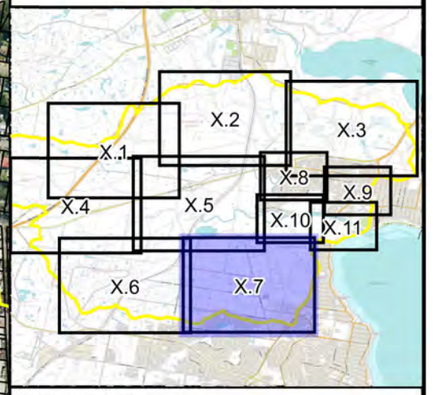
Figure 13.6: Hazard Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig13.6 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 13.7: Hazard Categories for the 1% AEP Flood

Prepared By:

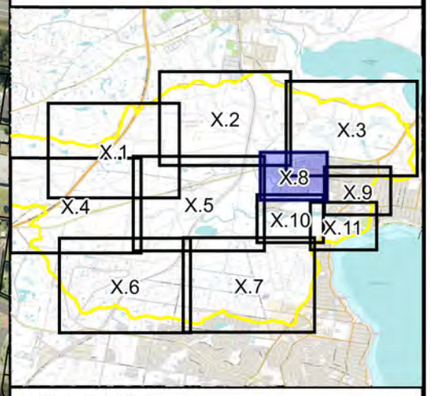
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig13.7 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:4,000 (at A3)

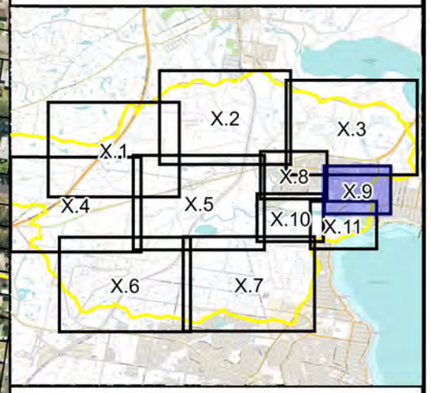
0 0.1 0.2 Km

Figure 13.8: Hazard Categories for the 1% AEP Flood

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

File Name: Fig13.8 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



Roper Road

St Lawerence Avenue

Pacific Hwy

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

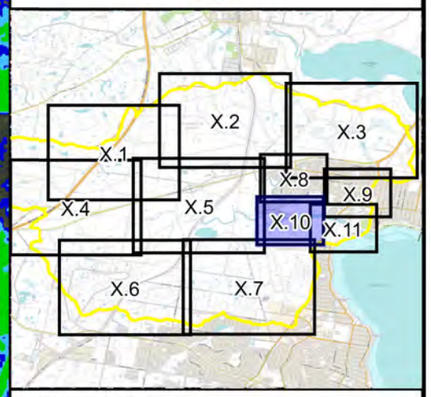
Figure 13.9: Hazard Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig13.9 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:4,000 (at A3)

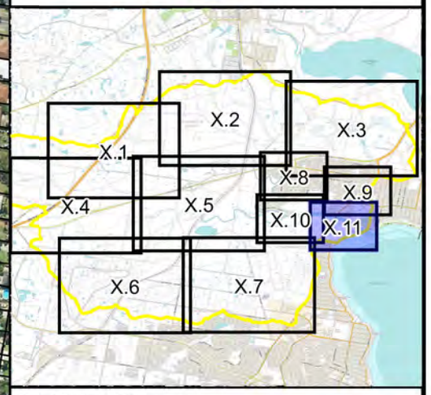
0 0.1 0.2 Km

Figure 13.10: Hazard Categories for the 1% AEP Flood

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File Name: Fig13.10 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 13.11: Hazard Categories for the 1% AEP Flood

Prepared By:

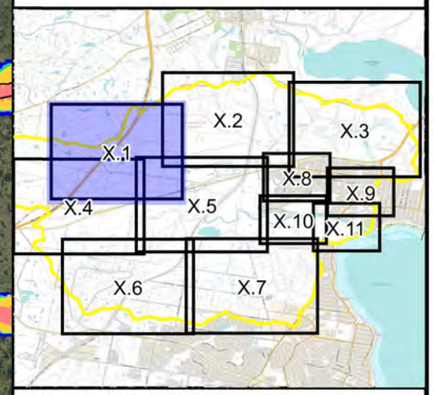
Catchment Simulation Solutions

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File Name: Fig13.11 - Hazard Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

Figure 14.1: Hazard Categories for the PMF

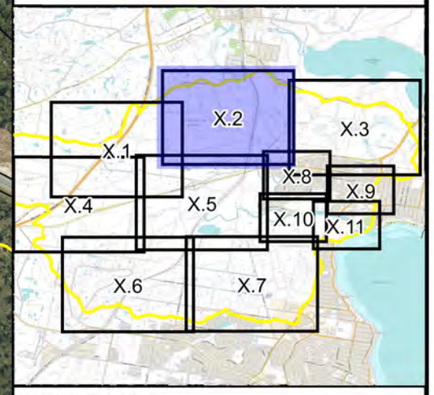
Prepared By:
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig14.1 - Hazard Categories for the PMF.wor

Pacific Motorway

Bushells Ridge

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 14.2: Hazard Categories for the PMF

Prepared By:

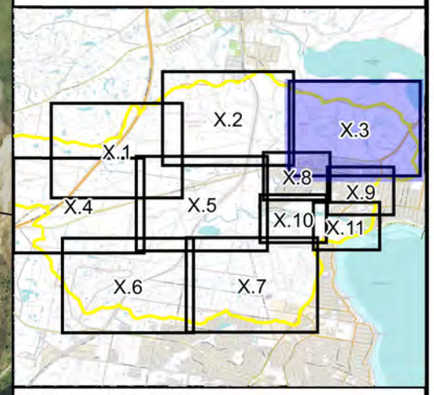
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig14.2 - Hazard Categories for the PMF.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

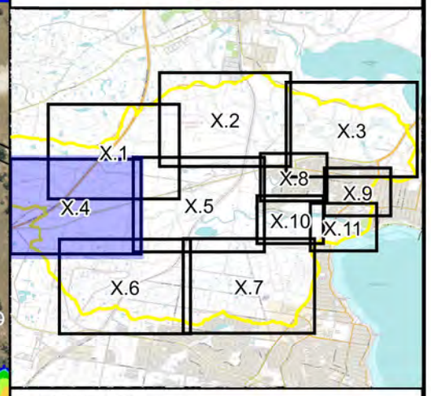
Figure 14.3: Hazard Categories for the PMF

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

File Name: Fig14.3 - Hazard Categories for the PMF.wor

Doyalson Link Road
Roper Road
Colorado Drive

Central Coast Council



Pacific Motorway

Bushells Ridge

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 14.4: Hazard Categories for the PMF

Prepared By:

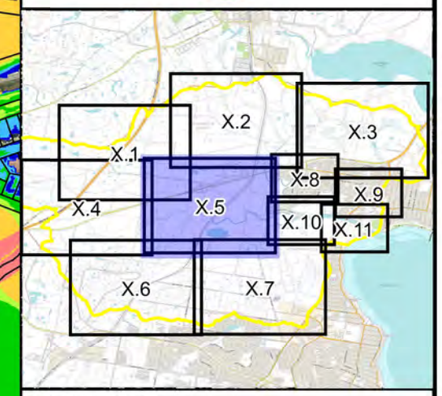
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig14.4 - Hazard Categories for the PMF.wor

Central Coast Council



Bushells Ridge

Wallarah Creek

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 14.5: Hazard Categories for the PMF

Prepared By:

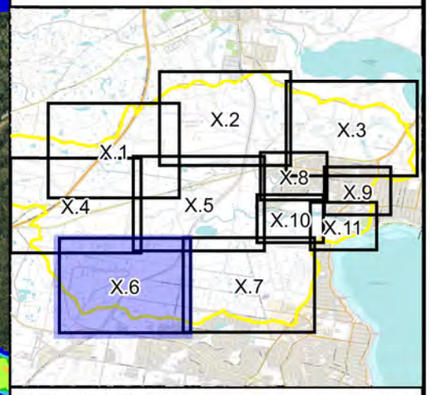
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig14.5 - Hazard Categories for the PMF.wor

Central Coast Council



Wallarah

Sparks R

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

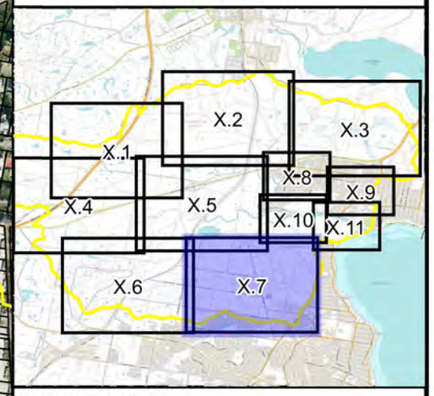
Km

Figure 14.6: Hazard Categories for the PMF

Prepared By:
Catchment Simulation Solutions
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Sydney, NSW 2000

File Name: Fig14.6 - Hazard Categories for the PMF.wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 14.7: Hazard Categories for the PMF

Prepared By:

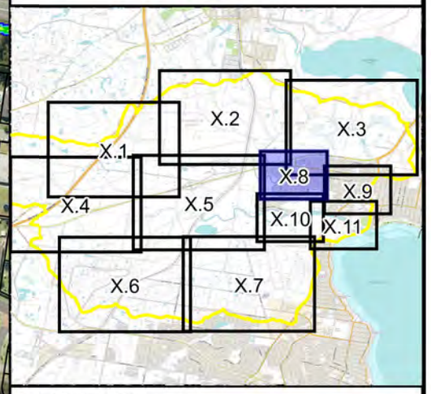
Catchment Simulation Solutions

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File Name: Fig14.7 - Hazard Categories for the PMF.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

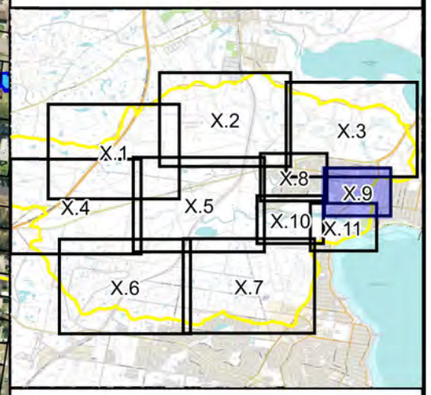
0 0.1 0.2 Km

Figure 14.8: Hazard Categories for the PMF

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

File Name: Fig14.8 - Hazard Categories for the PMF.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

Figure 14.9: Hazard Categories for the PMF

Prepared By:

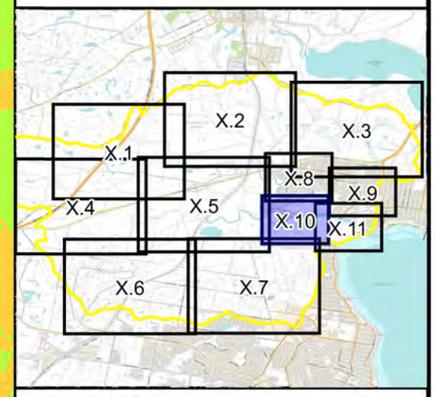
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig14.9 - Hazard Categories for the PMF.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 14.10: Hazard Categories for the PMF

Prepared By:

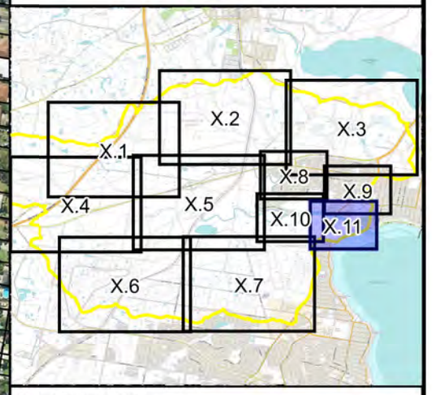
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig14.10 - Hazard Categories for the PMF.wor

Central Coast Council



LEGEND

Hazard Category

- H1 - Generally Safe
- H2 - Unsafe for small vehicles
- H3 - Unsafe for vehicles, children and elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for people and vehicles Buildings require special design
- H6 - Unsafe for people and vehicles All buildings vulnerable to failure

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 14.11: Hazard Categories for the PMF

Prepared By:

Catchment Simulation Solutions

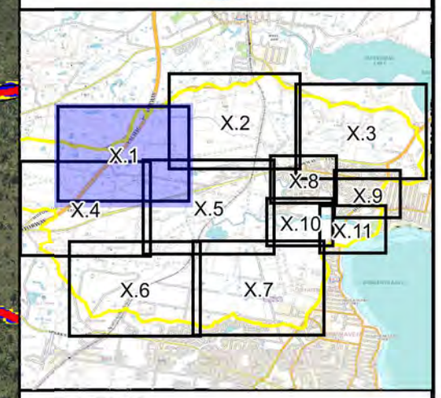
Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig14.11 – Hazard Categories for the PMF.wor

HYDRAULIC CATEGORY MAPS

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Pacific Motorway

Bushells Ridge

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

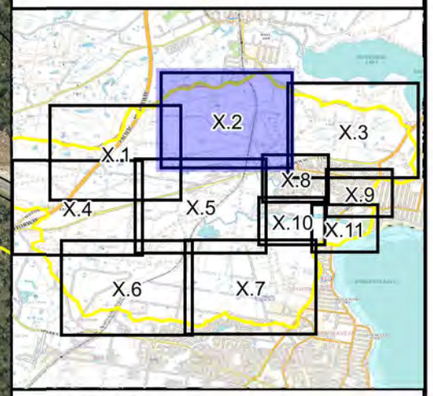
Figure 15.1: Hydraulic Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig15.1 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

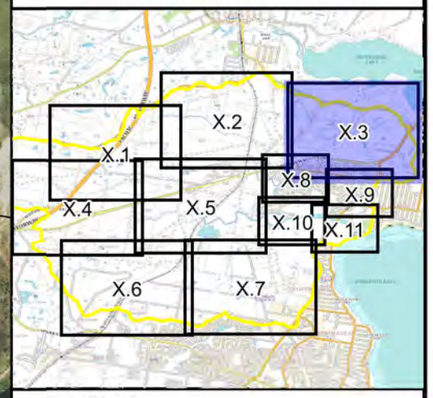
Figure 15.2: Hydraulic Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig15.2 - Hydraulic Categories for the 1% AEP Flood.wor

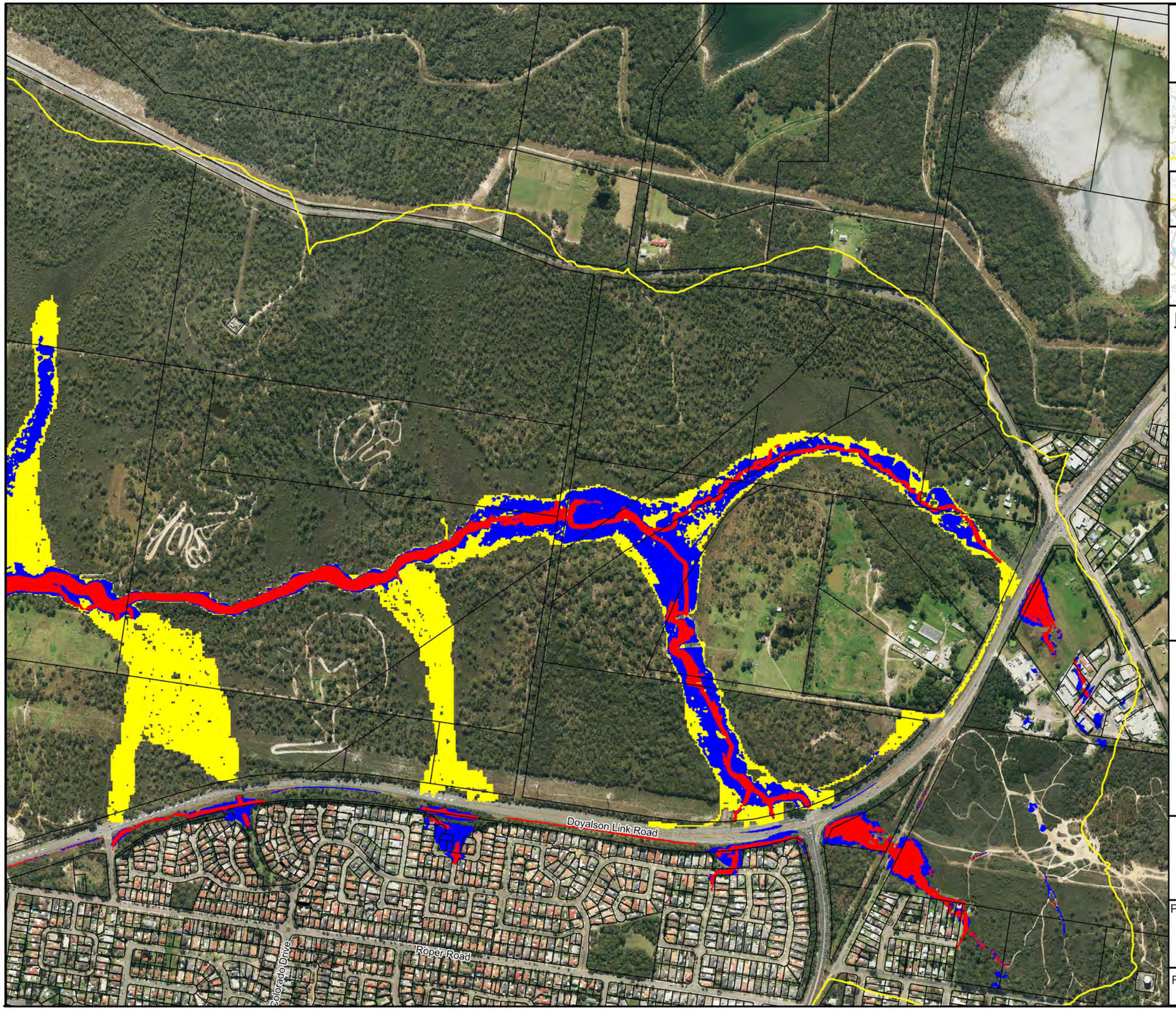
Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway



N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 15.3: Hydraulic Categories for the 1% AEP Flood

Prepared By:

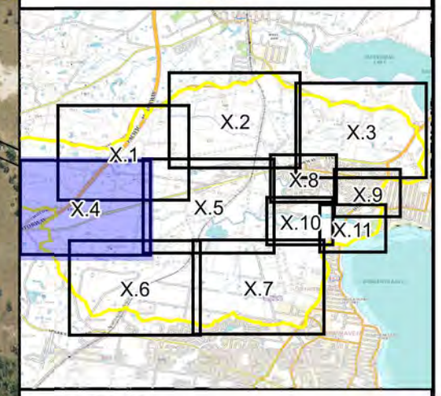
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig15.3 - Hydraulic Categories for the 1% AEP Flood.wor

Pacific Motorway

Bushells Ridge

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

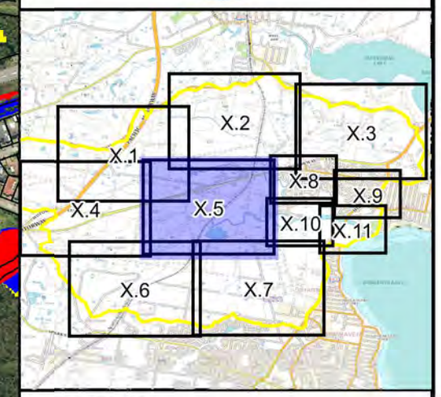
Figure 15.4: Hydraulic Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig15.4 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



Bushells Ridge

Wallarah Creek

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 15.5: Hydraulic Categories for the 1% AEP Flood

Prepared By:

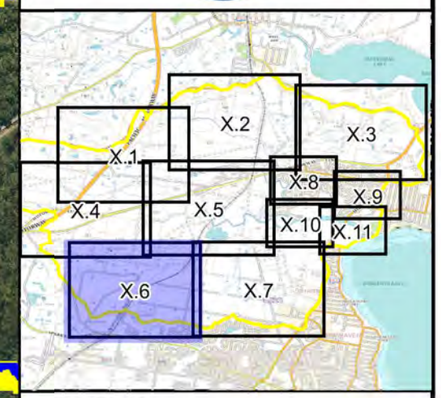
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig15.5 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



Wallarah

Sparks R

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 15.6: Hydraulic Categories for the 1% AEP Flood

Prepared By:

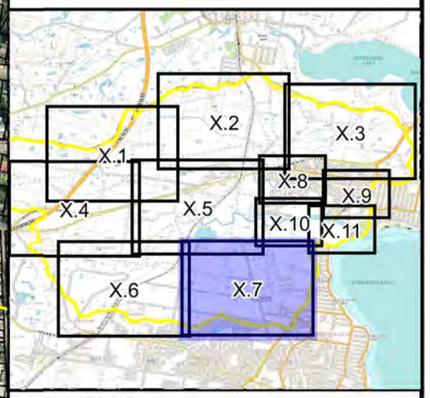
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig15.6 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 15.7: Hydraulic Categories for the 1% AEP Flood

Prepared By:

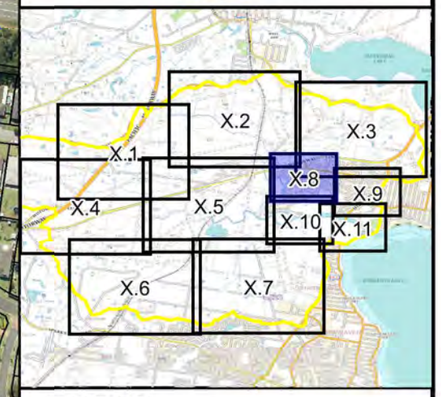
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig15.7 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Colorado Drive

McKellar Blvd

Lady Laurel Drive

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 15.8: Hydraulic Categories for the 1% AEP Flood

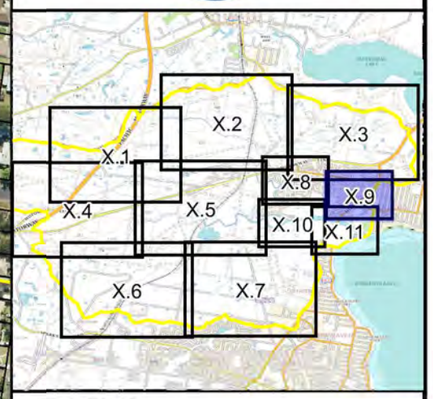
Prepared By:

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

File Name: Fig15.8 - Hydraulic Categories for the 1% AEP Flood.wor



Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N
W E
S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

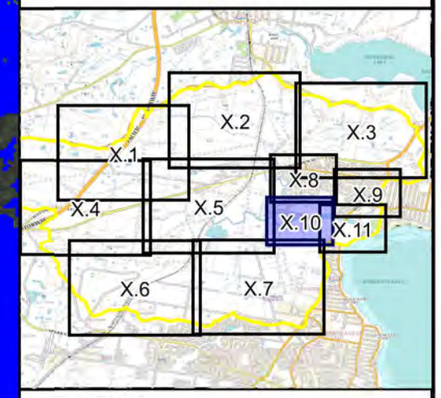
Figure 15.9: Hydraulic Categories for the 1% AEP Flood

Prepared By:

Catchment Simulation Solutions
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Sydney, NSW 2000

File Name: Fig15.9 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

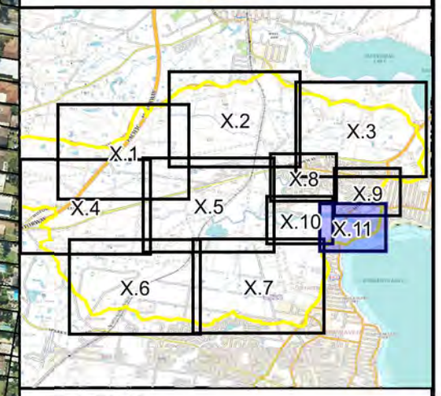
Figure 15.10: Hydraulic Categories for the 1% AEP Flood

Prepared By:

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

File Name: Fig15.10 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 15.11: Hydraulic Categories for the 1% AEP Flood

Prepared By:

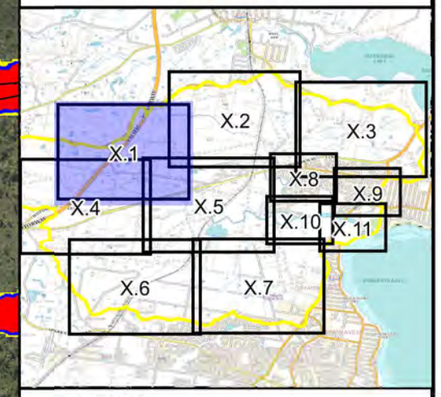
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig15.11 - Hydraulic Categories for the 1% AEP Flood.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Pacific Motorway

Bushells Ridge

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.1: Hydraulic Categories for the PMF

Prepared By:

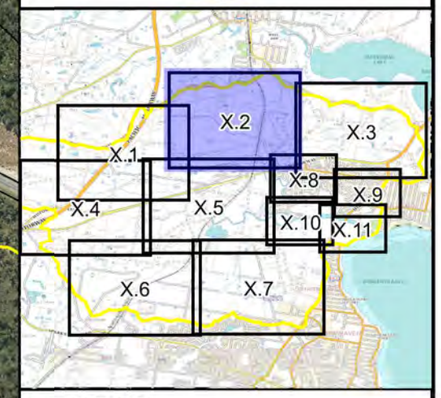
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig16.1 - Hydraulic Categories for the PMF.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.2: Hydraulic Categories for the PMF

Prepared By:

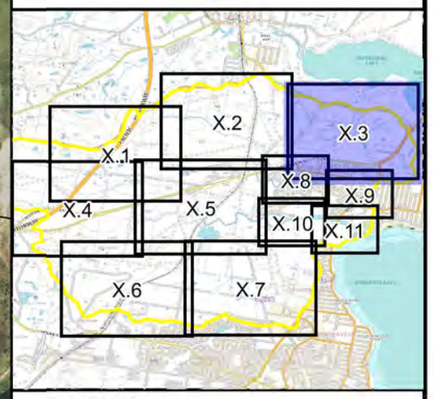
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig16.2 - Hydraulic Categories for the PMF.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

Doyalson Link Road

Roper Road

Colorado Drive

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.3: Hydraulic Categories for the PMF

Prepared By:

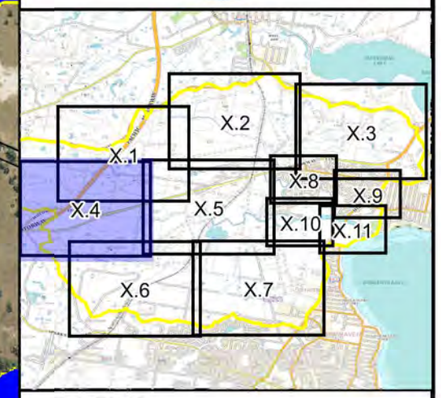
Catchment Simulation Solutions

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File Name: Fig16.3 - Hydraulic Categories for the PMF.wor

Central Coast Council



Pacific Motorway

Bushells Ridge

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.4: Hydraulic Categories for the PMF

Prepared By:

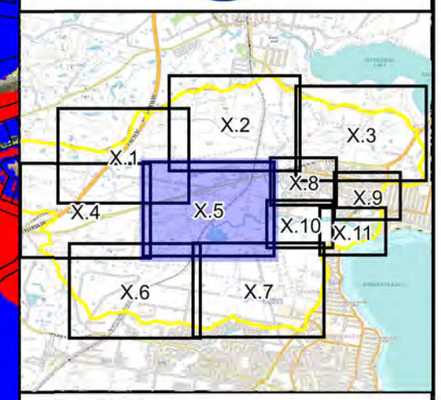
Catchment Simulation Solutions

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File Name: Fig16.4 - Hydraulic Categories for the PMF.wor

Central Coast Council



Bushells Ridge

Wallarah Creek

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.5: Hydraulic Categories for the PMF

Prepared By:

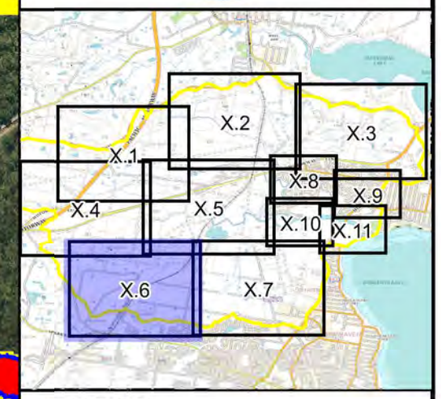
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig16.5 - Hydraulic Categories for the PMF.wor

Central Coast Council



Wallarah

Sparks

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.6: Hydraulic Categories for the PMF

Prepared By:

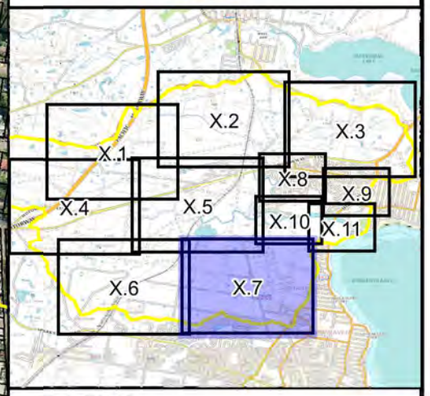
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Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig16.6 - Hydraulic Categories for the PMF.wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 16.7: Hydraulic Categories for the PMF

Prepared By:

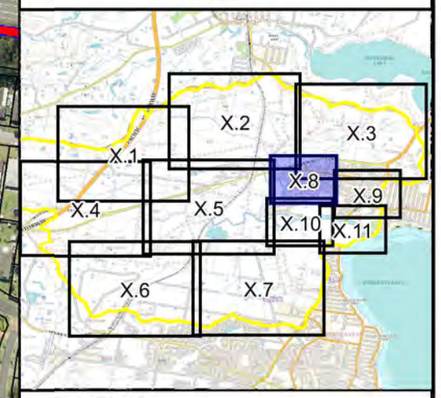
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig16.7 - Hydraulic Categories for the PMF.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 16.8: Hydraulic Categories for the PMF

Prepared By:

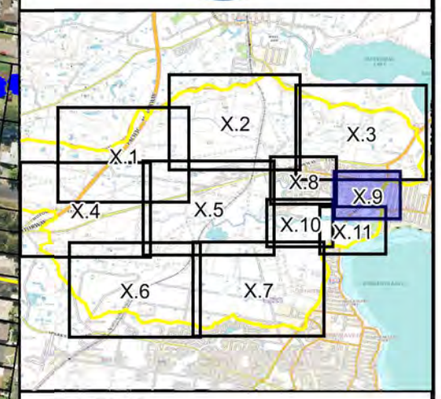
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig16.8 - Hydraulic Categories for the PMF.wor

Central Coast Council



Roper Road

St Lawerence Avenue

Pacific Hwy

LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 16.9: Hydraulic Categories for the PMF

Prepared By:

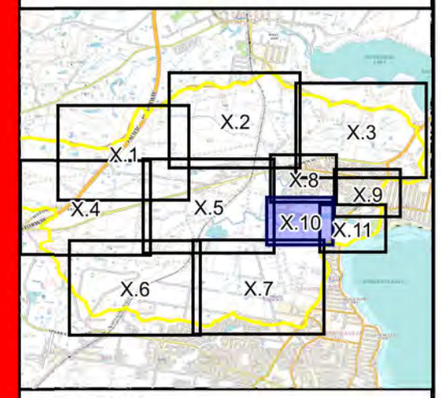
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Sydney, NSW 2000

File Name: Fig16.9 - Hydraulic Categories for the PMF.wor

Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 16.10: Hydraulic Categories for the PMF

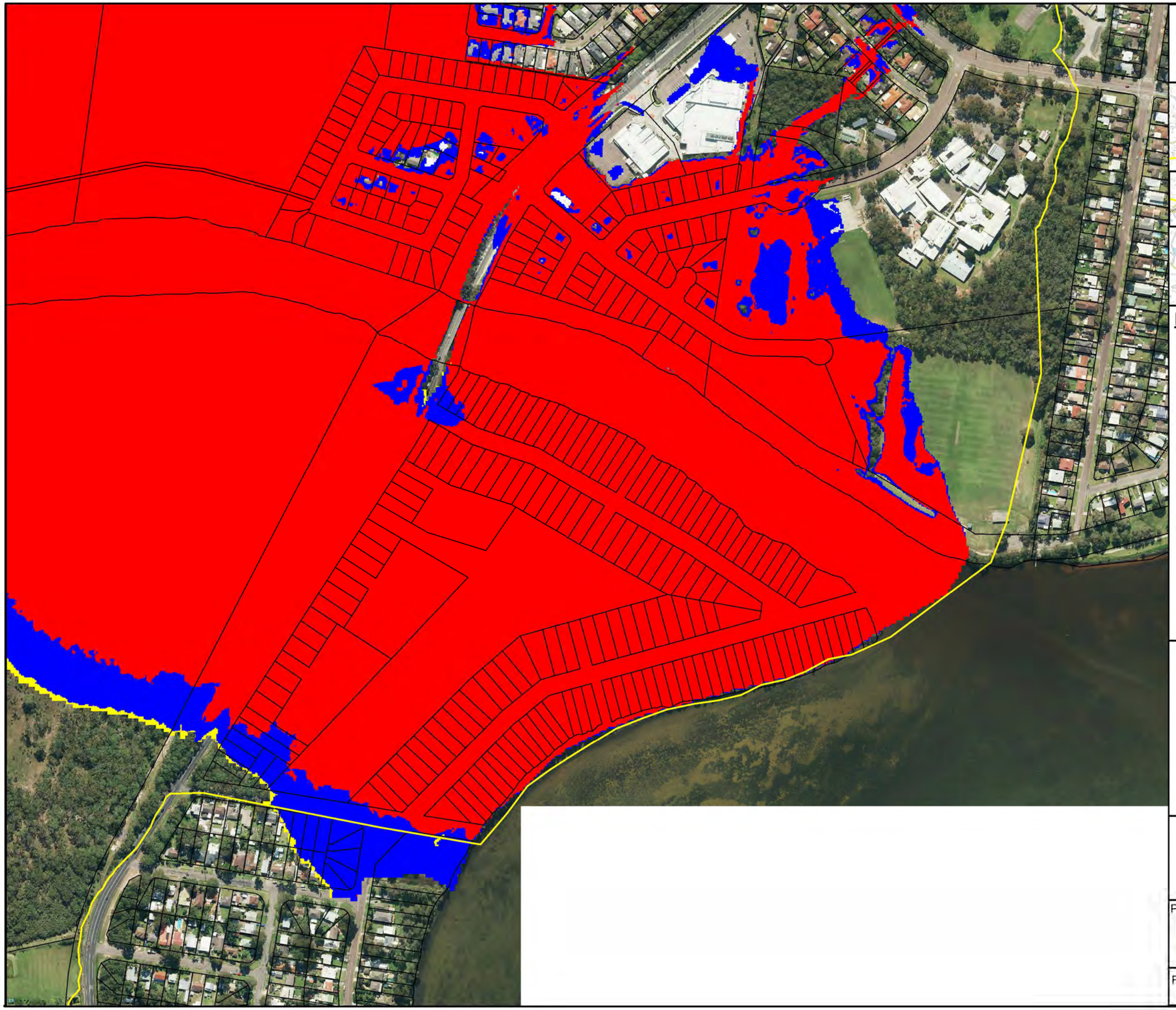
Prepared By:

Catchment Simulation Solutions

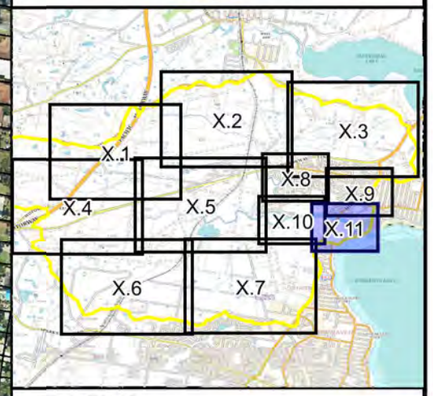
Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig16.10 - Hydraulic Categories for the PMF.wor



Central Coast Council



LEGEND

Hydraulic Categories

- Flood Fringe
- Flood Storage
- Floodway

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 16.11: Hydraulic Categories for the PMF

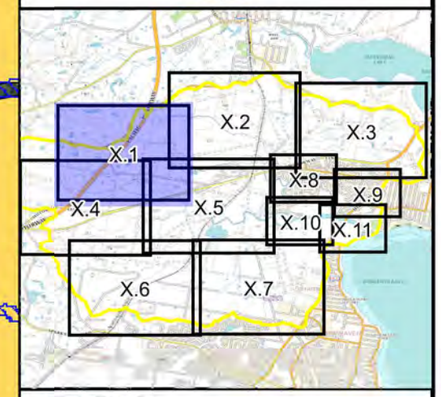
Prepared By:

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

File Name: Fig16.11 - Hydraulic Categories for the PMF.wor

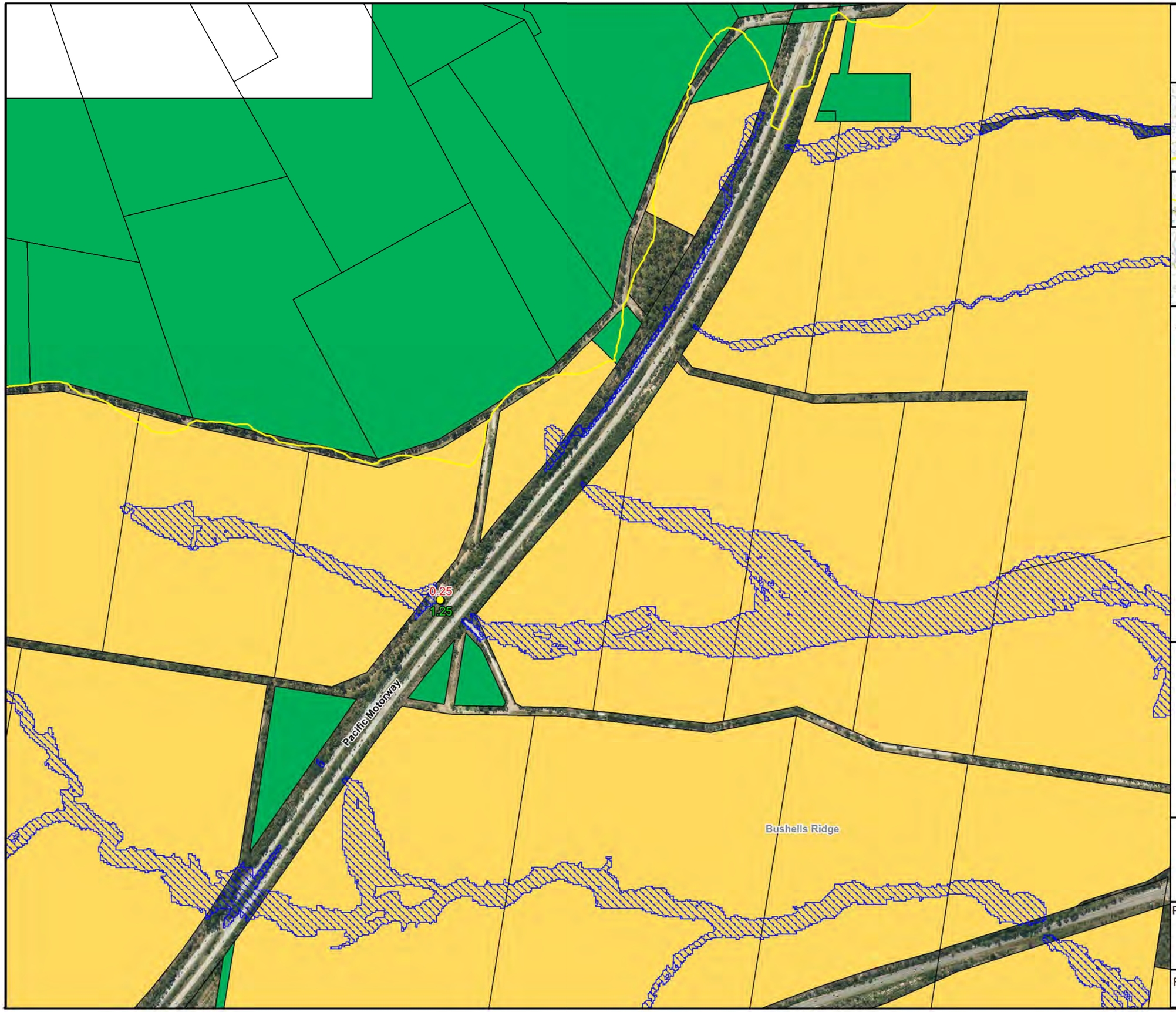
EMERGENCY RESPONSE PRECINCT CLASSIFICATIONS

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)



N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

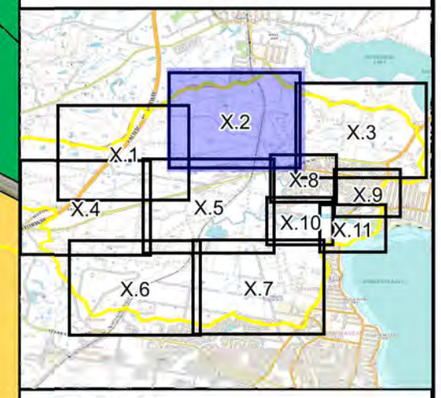
Km

Figure 17.1: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.1 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

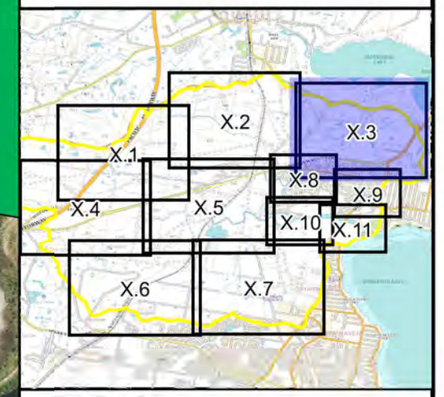
0 0.2 0.4 Km

Figure 17.2: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.2 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

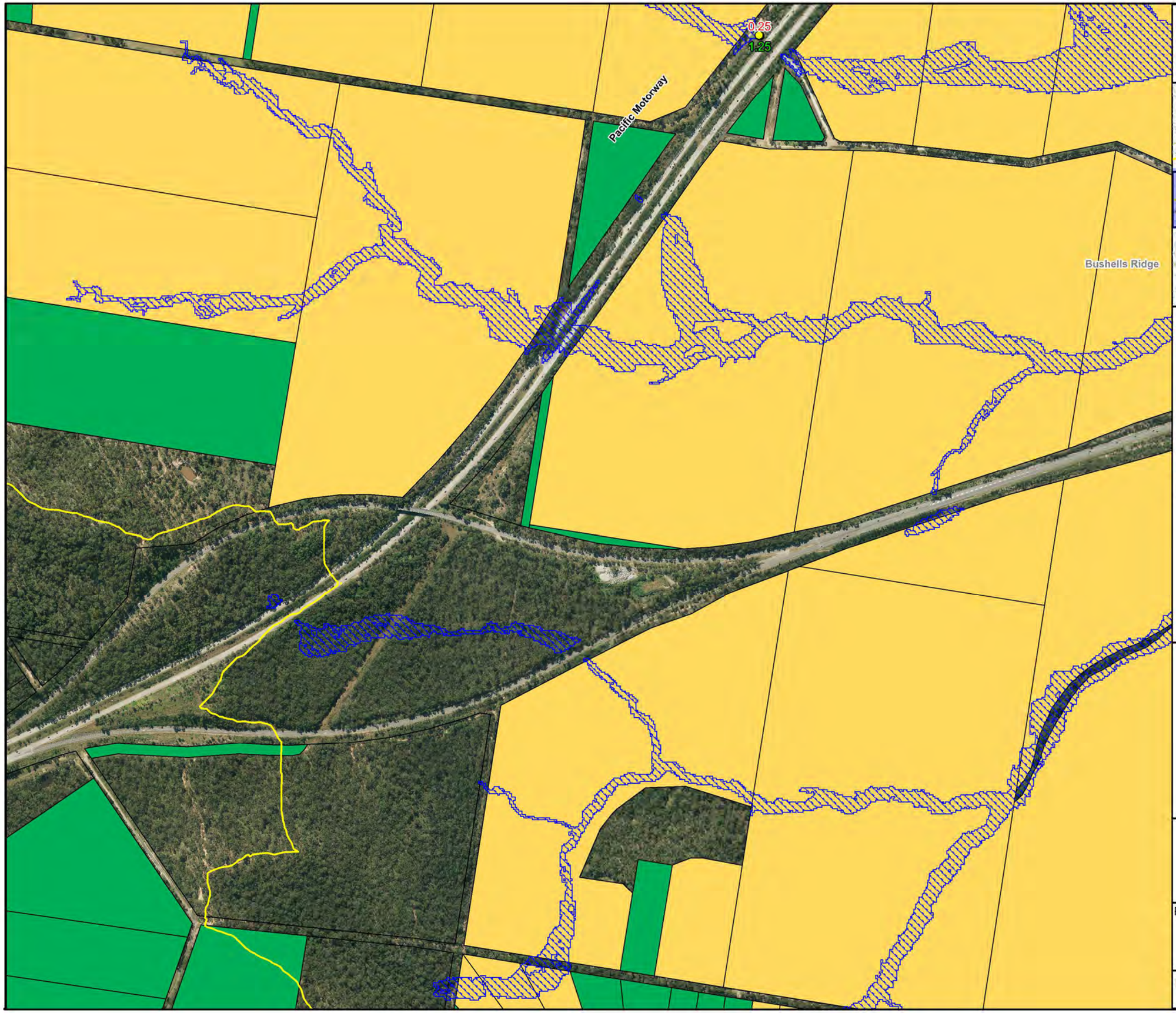
Figure 17.3: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

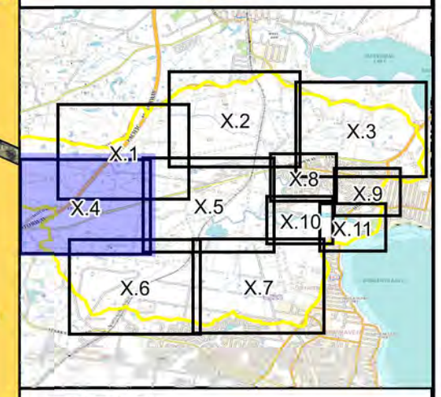
Catchment Simulation Solutions
Suite 2.01, 210 George St
Sydney, NSW 2000

File Name: Fig17.3 - ERC for the 1% AEP Flood .wor

Doyalson Link Road
Roper Road
Colorado Drive
0.17
0.17
0.17
0.17
1.67
1.25
0.08
0.17
0.08
0.25
0.17
0.08



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

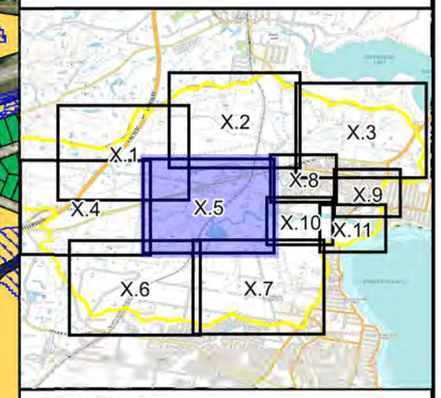
Km

Figure 17.4: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.4 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

Bushells Ridge

Wallarah Creek

0.17 1.67

0.42 1.67

0.17 2.25

0.42 1.67

0.25 2.25

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

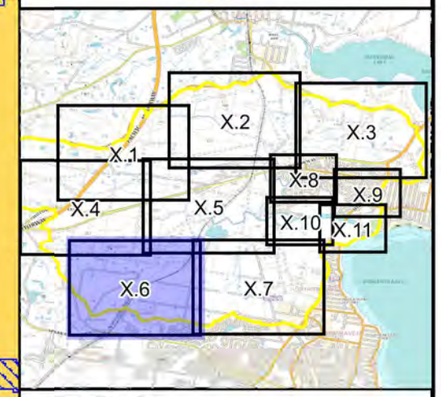
Figure 17.5: Emergency Response Precinct Classifications for the 1% AEP Flood

Prepared By:

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

File Name: Fig17.5 - ERC for the 1% AEP Flood .wor

Central Coast Council



Wallarah

0.17
0.08

Sparks R...

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

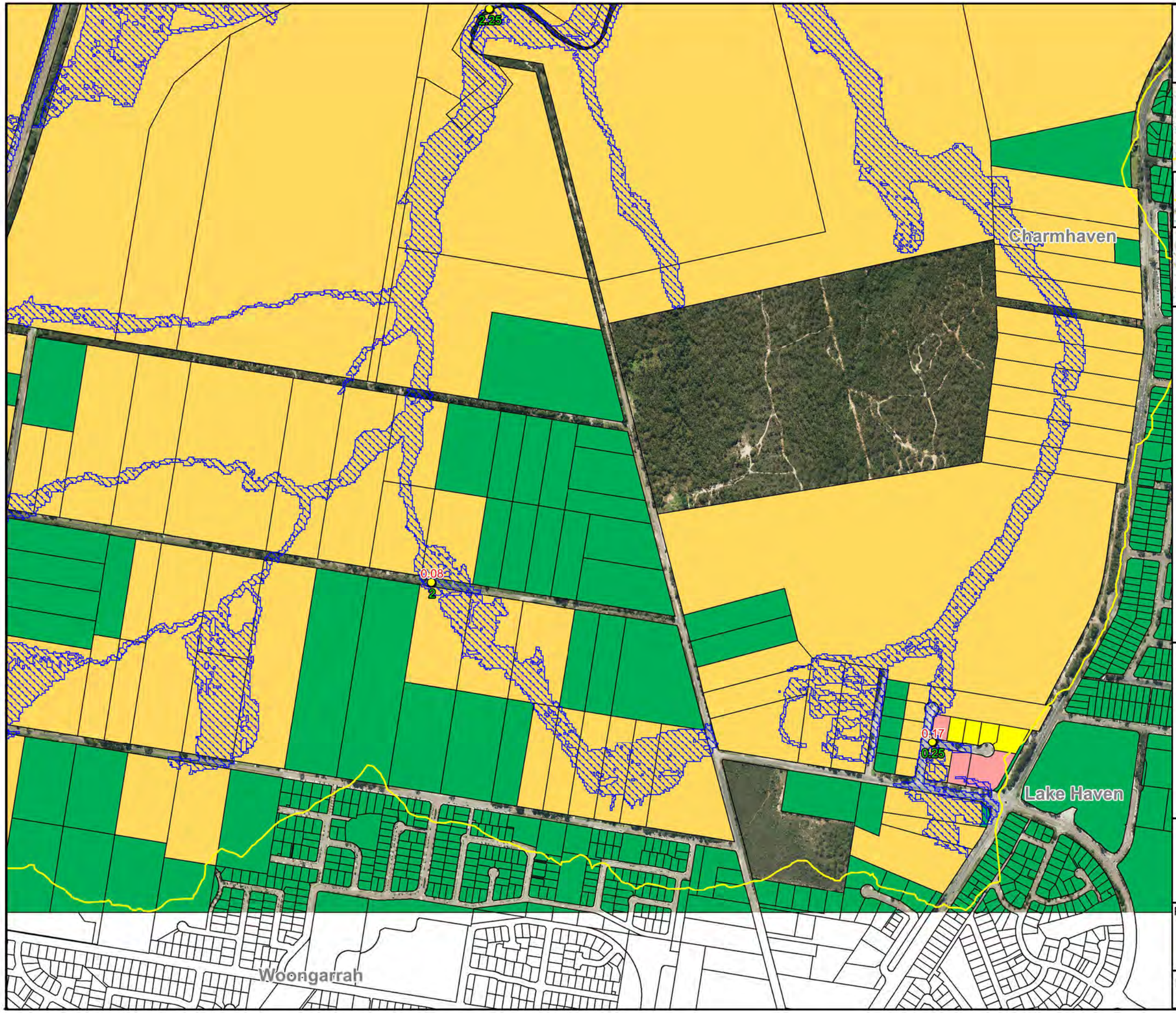
0 0.2 0.4
Km

Figure 17.6: Emergency Response Precinct Classifications for the 1% AEP Flood

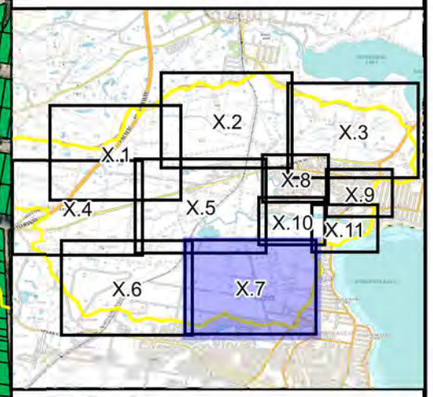
Prepared By:

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

File Name: Fig17.6 - ERC for the 1% AEP Flood .wor



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

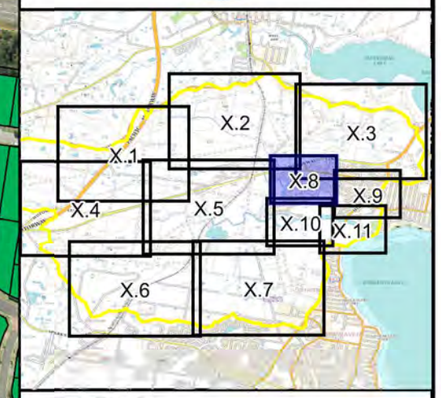
0 0.2 0.4 Km

Figure 17.7: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.7 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

Figure 17.8: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.8 - ERC for the 1% AEP Flood .wor

Roper Road

St Lawerence Avenue

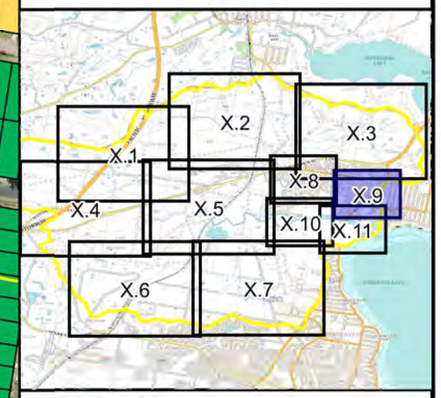
Pacific Hwy

0.17
0.08

0.17
0.08

0.17
0.08

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.8 Time Road Cut (hours)

N
W E
S

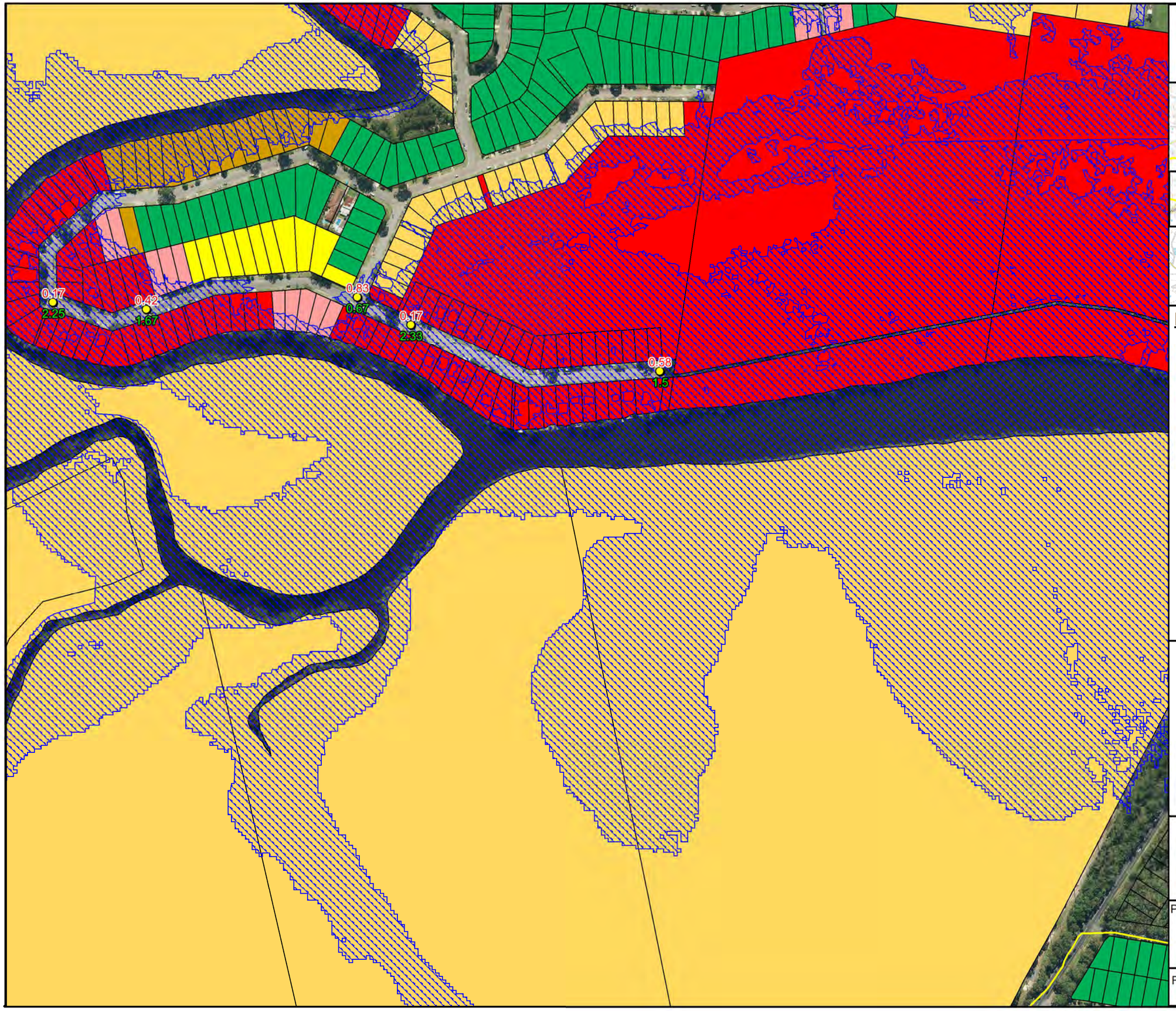
Scale 1:4,000 (at A3)

0 0.1 0.2
Km

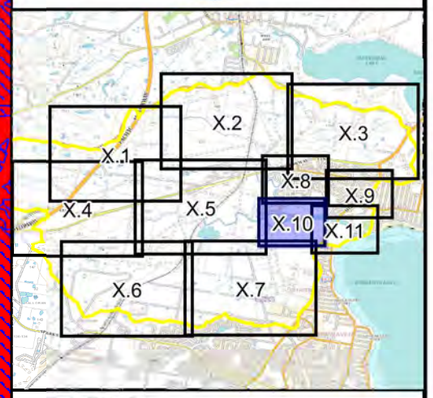
Figure 17.9: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.9 - ERC for the 1% AEP Flood .wor



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:4,000 (at A3)

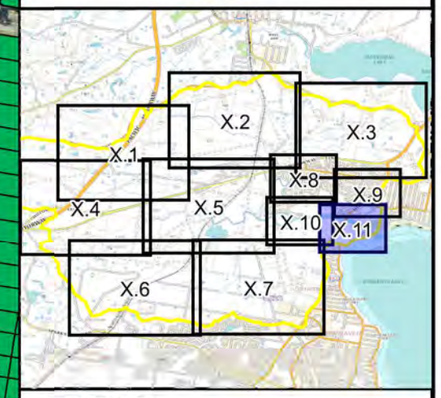
0 0.1 0.2 Km

Figure 17.10: Emergency Response Precinct Classifications for the 1% AEP Flood

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

File Name: Fig17.10 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

Scale 1:4,000 (at A3)

0 0.1 0.2

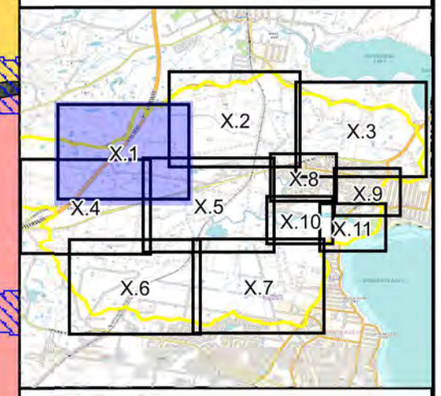
Km

Figure 17.11: Emergency Response Precinct Classifications for the 1% AEP Flood

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

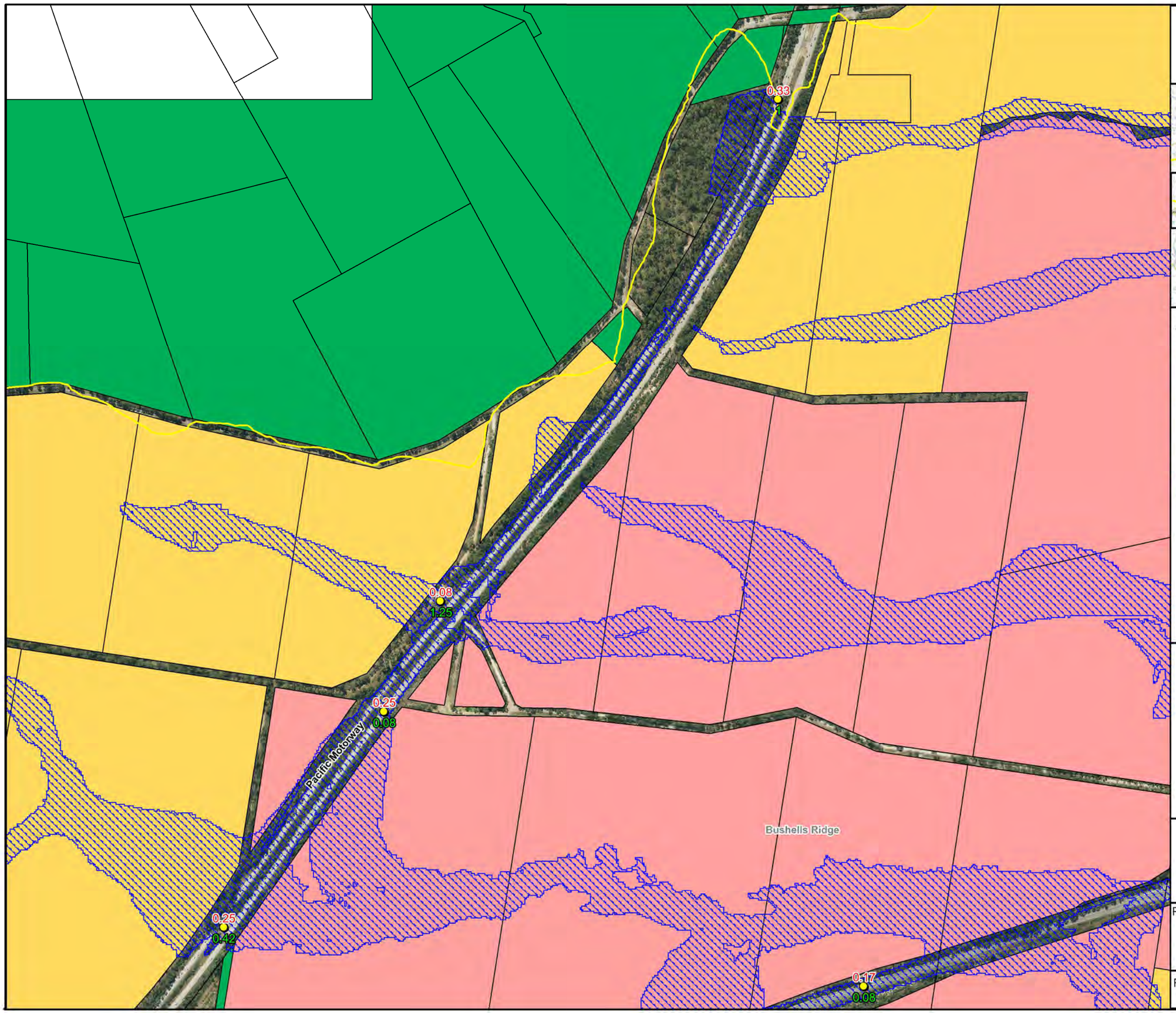
File Name: Fig17.11 - ERC for the 1% AEP Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.8 Time Road Cut (hours)



N
W E
S

Scale 1:8,000 (at A3)

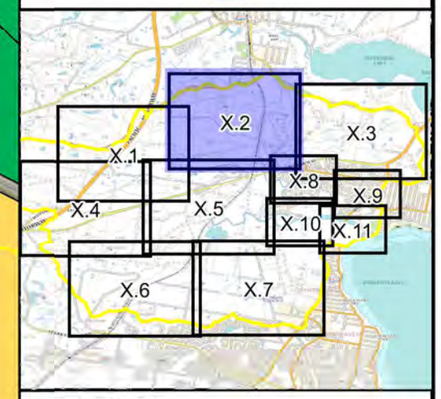
0 0.2 0.4 Km

Figure 18.1: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.1 - ERC for the PMF Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)



Scale 1:8,000 (at A3)

0 0.2 0.4 Km

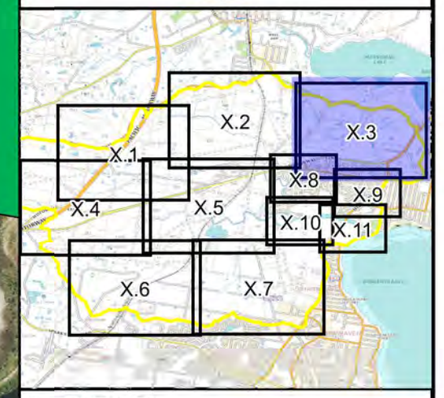
Figure 18.2: Emergency Response Precinct Classifications for the PMF

Prepared By:

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

File Name: Fig18.2 - ERC for the PMF Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

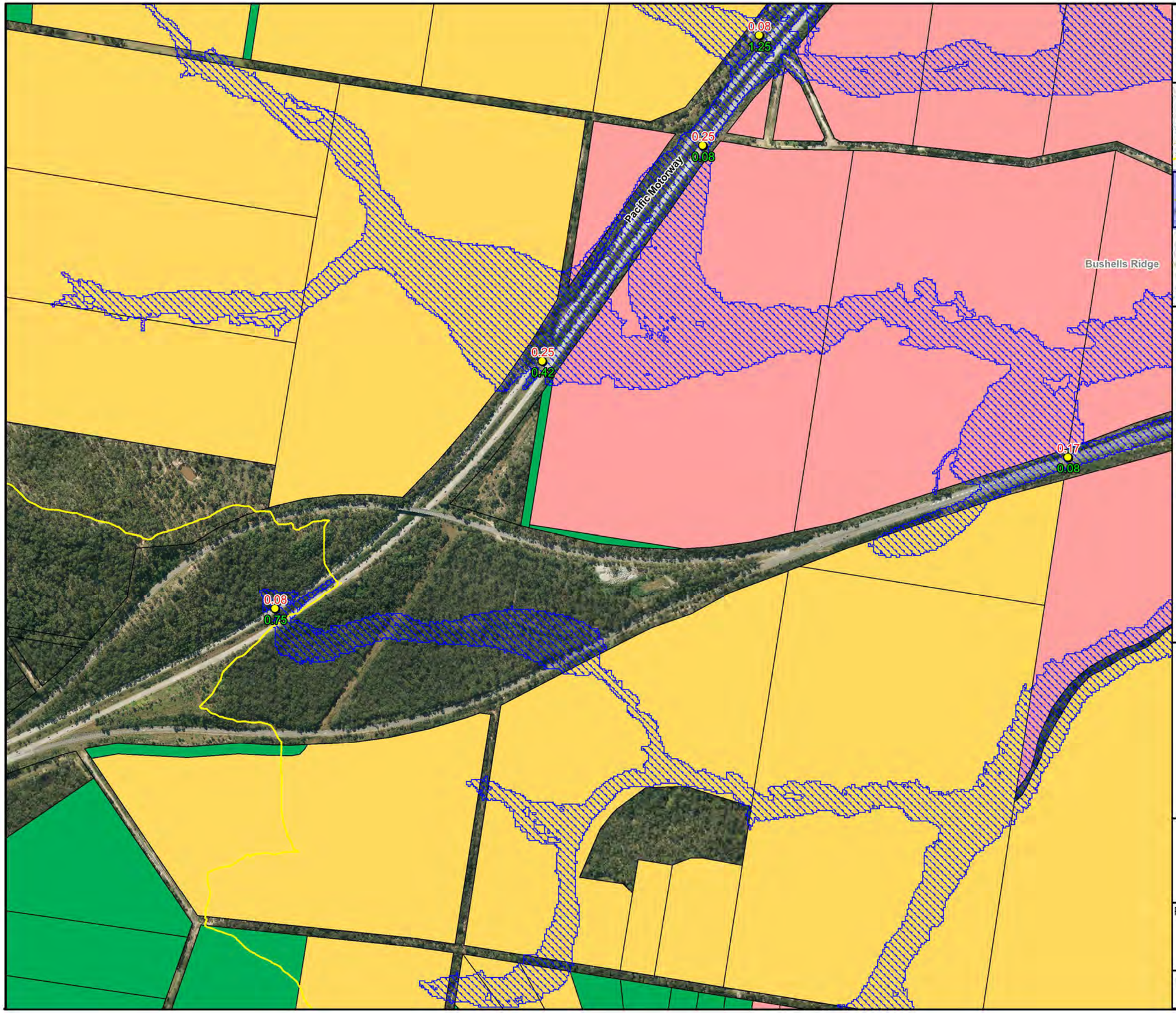
Scale 1:8,000 (at A3)

0 0.2 0.4 Km

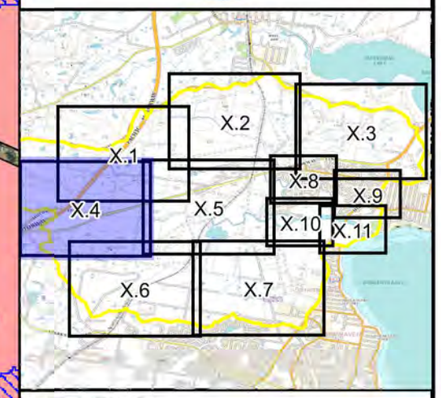
Figure 18.3: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.3 - ERC for the PMF Flood .wor



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

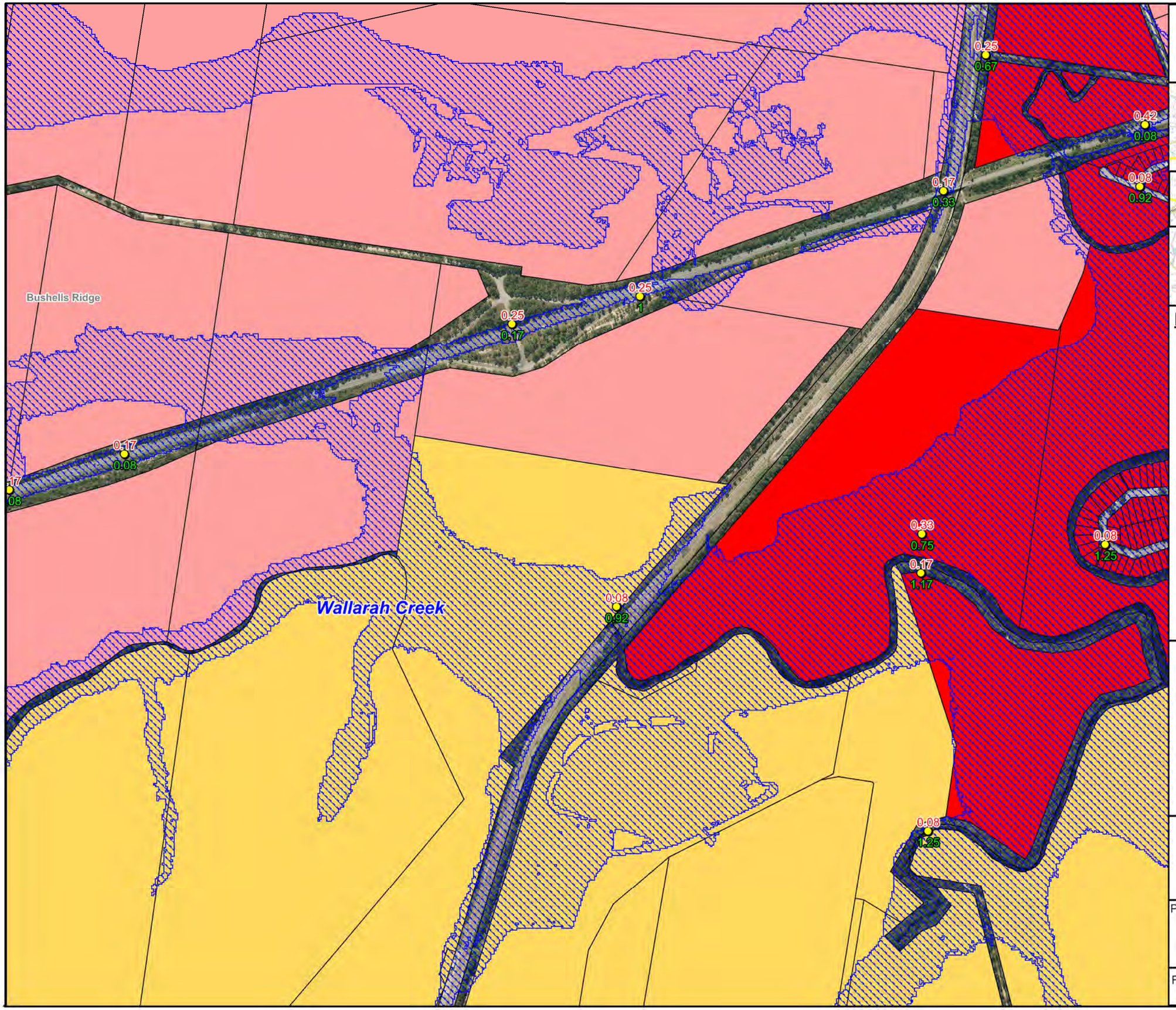
0 0.2 0.4

Km

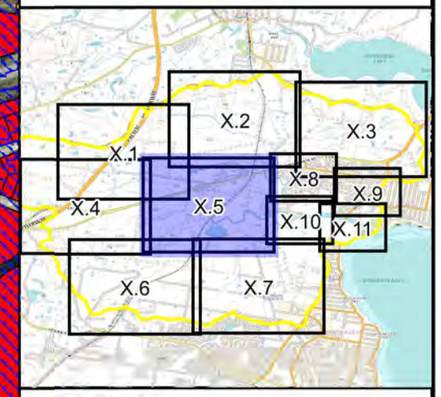
Figure 18.4: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.4 - ERC for the PMF Flood .wor



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

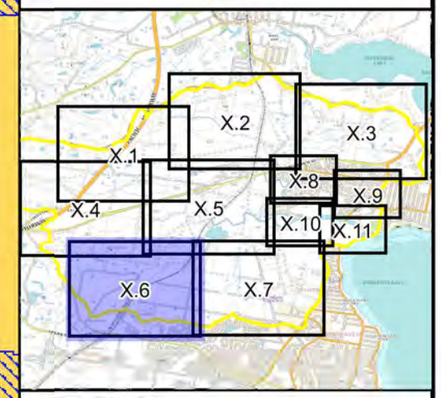
0 0.2 0.4 Km

Figure 18.5: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.5 - ERC for the PMF Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

Wallarah
0.08
0.75
0.17
0.75
0.08
0.75

N
W
E
S

Scale 1:8,000 (at A3)

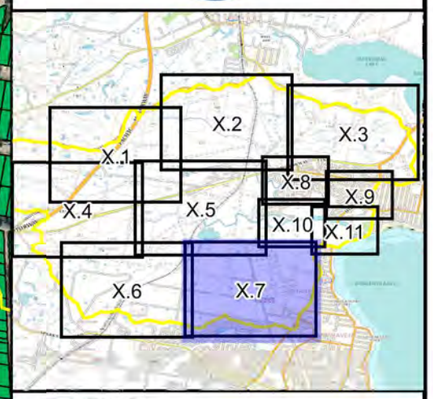
0 0.2 0.4 Km

Figure 18.6: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.6 - ERC for the PMF Flood .wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

1.25

0.08
0:56

0.08
1.08

0.08
0.42

0.08
0.42

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:8,000 (at A3)

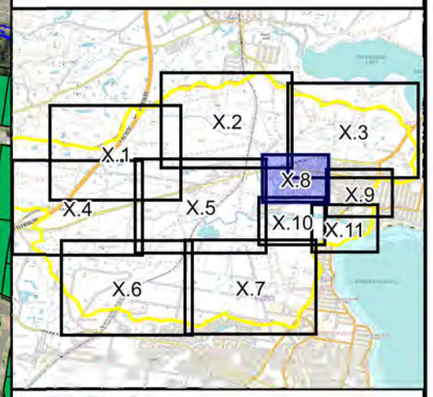
0 0.2 0.4
Km

Figure 18.7: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.7 - ERC for the PMF Flood .wor

Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 / 2.3 — Time Road First Cut (hours) / Time Road Cut (hours)

N
W E
S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

Figure 18.8: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.8 - ERC for the PMF Flood .wor

Roper Road

St Lawerence Avenue

Pacific Hwy

Central Coast Council

X.1 X.2 X.3 X.4 X.5 X.6 X.7 X.8 X.9 X.10 X.11

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N W E S

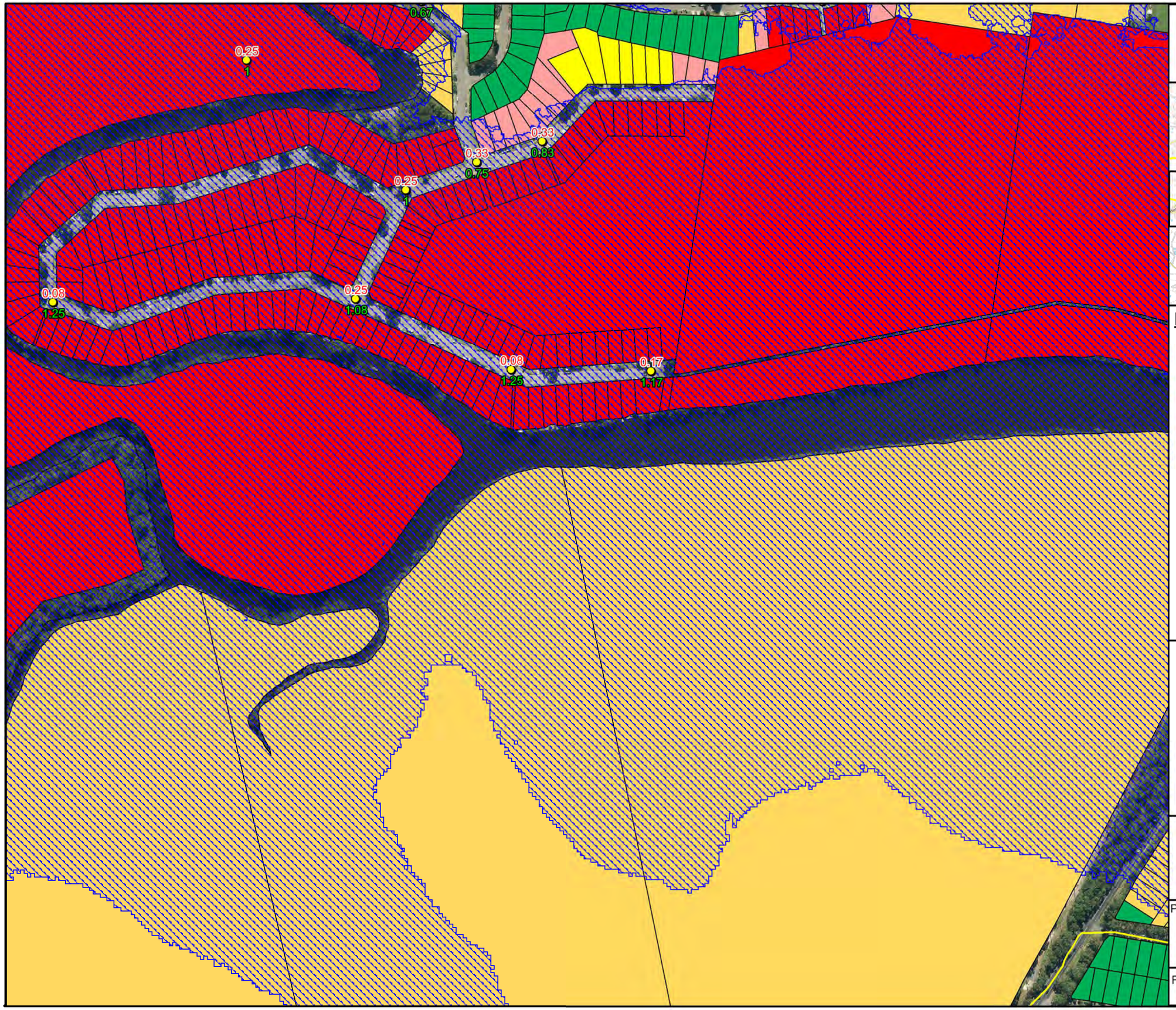
Scale 1:4,000 (at A3)

0 0.1 0.2 Km

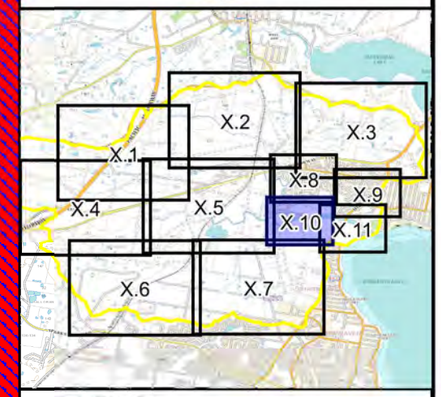
Figure 18.9: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.9 - ERC for the PMF Flood .wor



Central Coast Council



LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:4,000 (at A3)

0 0.1 0.2

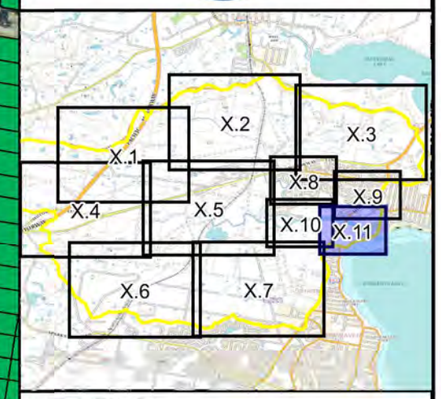
Km

Figure 18.10: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.10 - ERC for the PMF Flood .wor





Central Coast Council

LEGEND

- Flooded Isolated Submerged
- Flooded Isolated Elevated
- Flooded Exit Route Overland Escape
- Flooded Exit Rising Road Egress
- Indirect Consequences
- No Flood Impacts
- Inundation Extent
- 3.6 Time Road First Cut (hours)
- 2.3 Time Road Cut (hours)

N
W E
S

Scale 1:4,000 (at A3)

0 0.1 0.2 Km

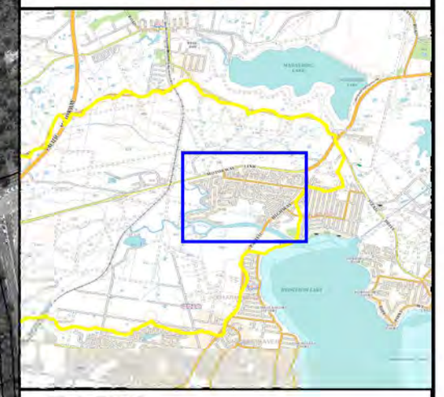
Figure 18.11: Emergency Response Precinct Classifications for the PMF

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

File Name: Fig18.11 - ERC for the PMF Flood .wor

MISCELLANEOUS MAPS

Central Coast Council



LEGEND

Event of First Above Floor Flooding

- 20%AEP (Gauge Level - 0.95 mAHD)
- 5%AEP (Gauge Level - 1.19 mAHD)
- 1%AEP (Gauge Level - 1.42 mAHD)
- PMF (Gauge Level - 2.95 mAHD)
- Wallarah Creek Bridge Gauge Location

N

W E

S

Scale 1:4,000 (at A3)

0 0.1 0.2

Km

Figure 19: Frequency of Above Floor Inundation

Prepared By:

Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig19 Frequency of Above Floor Inundation.wor

Central Coast Council



LEGEND

Potential Areas of Future Urban Development

- RU6
- IN1

Bushells Ridge

Main Northern Railway

Blue Haven

Charmhaven

Wallarah

Lake Haven

Woongarrah

N

W E

S

Scale 1:28,000 (at A3)

0 0.5 1.0

Km

Figure 20: Potential Future Catchment Land Use

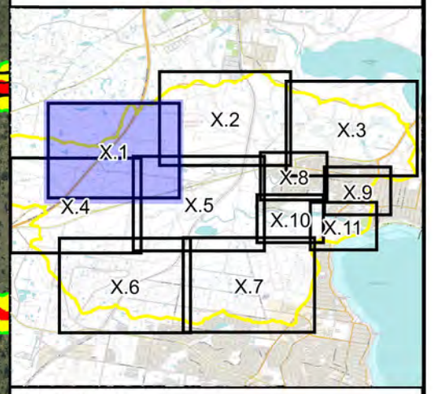
Prepared By:

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

File Name: Fig20 - Potential Future Catchment Land Use.wor

FLOOD PLANNING MAPS

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N

W E

S

Scale 1:8,000 (at A3)

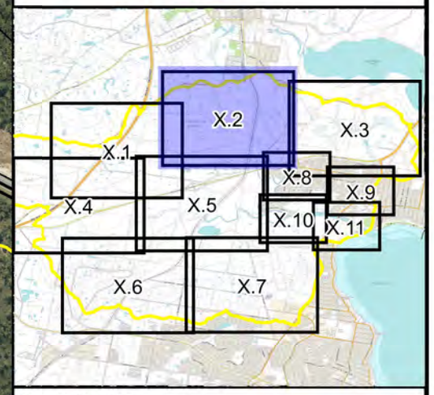
0 0.2 0.4 Km

Figure 21.1: Flood Planning Constraint Categories

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

File Name: Fig21.1 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

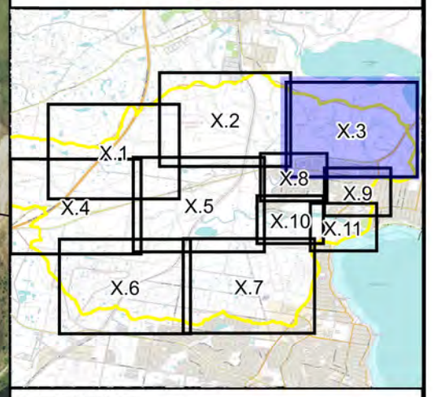
Figure 21.2: Flood Planning Constraint Categories

Prepared By:

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

File Name: Fig21.2 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

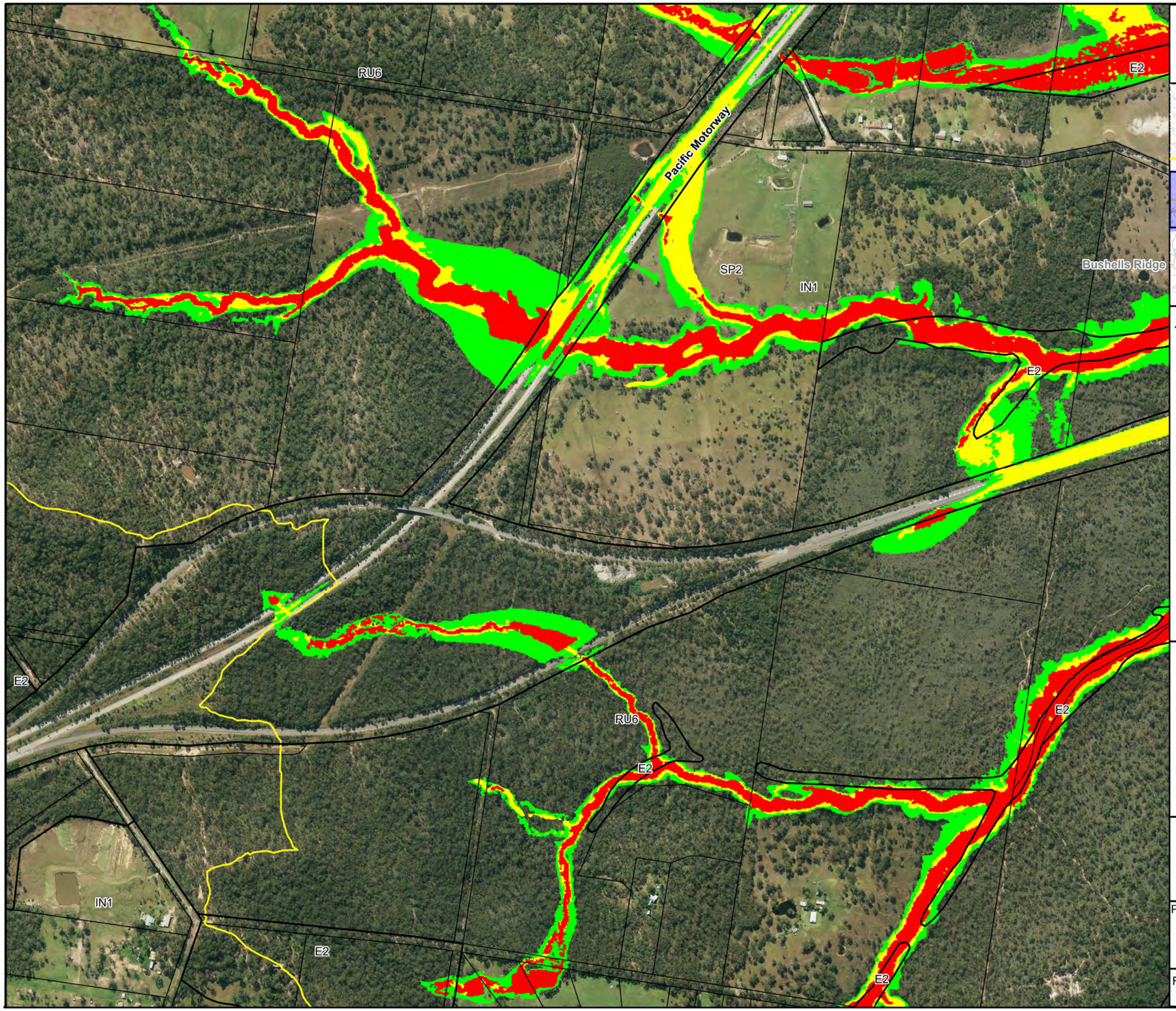
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0 0.2 0.4 Km

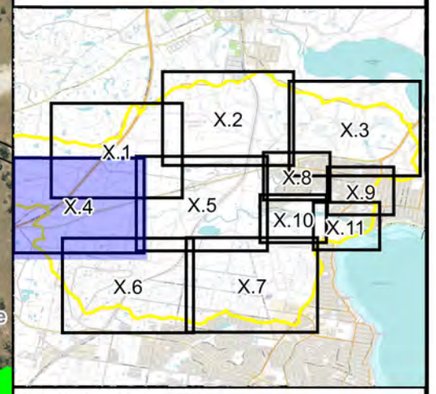
Figure 21.3: Flood Planning Constraint Categories

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

File Name: Fig21.3 - Flood Planning Constraint Categories.wor



Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

Scale 1:8,000 (at A3)

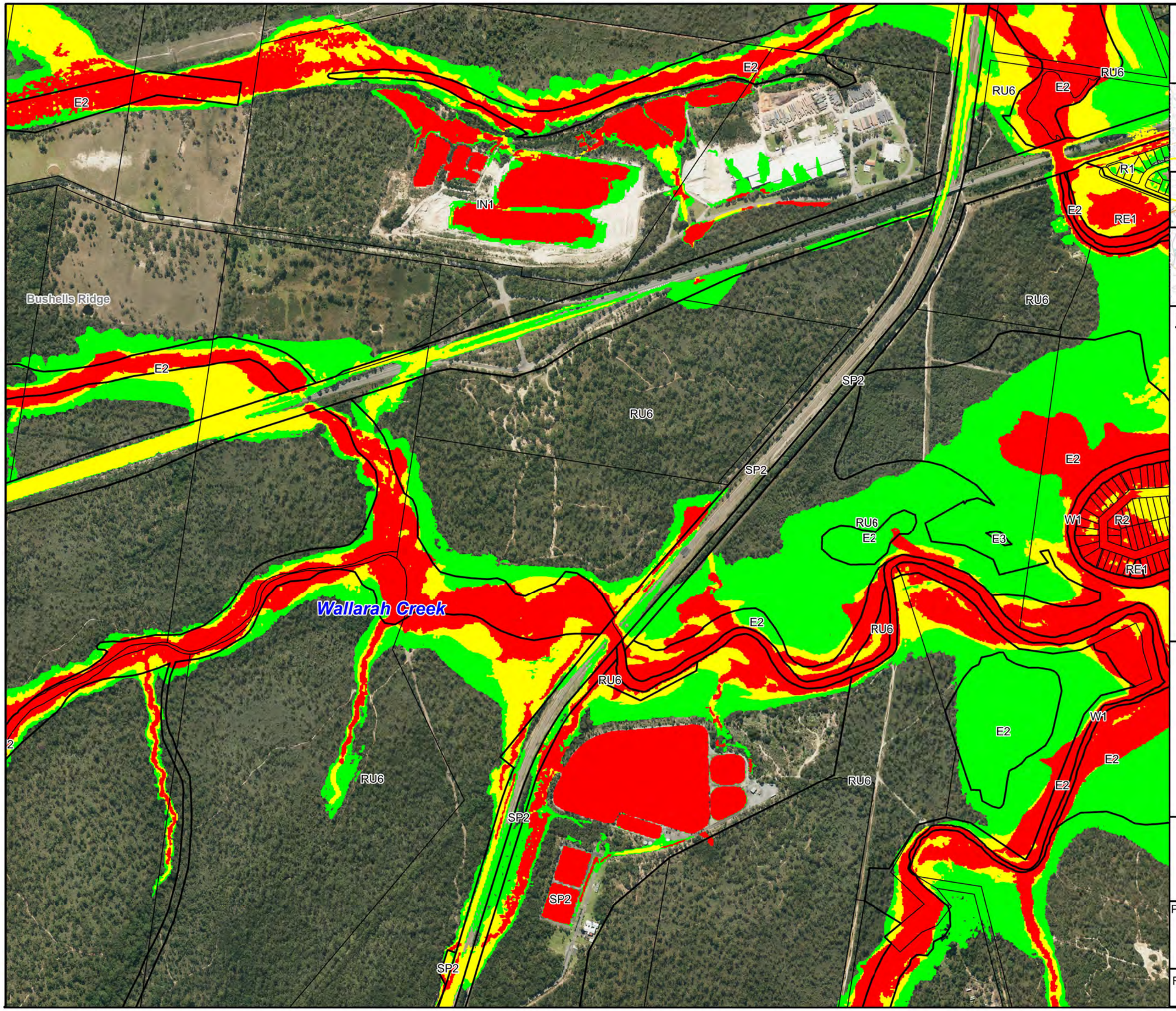
0 0.2 0.4 Km

Figure 21.4: Flood Planning Constraint Categories

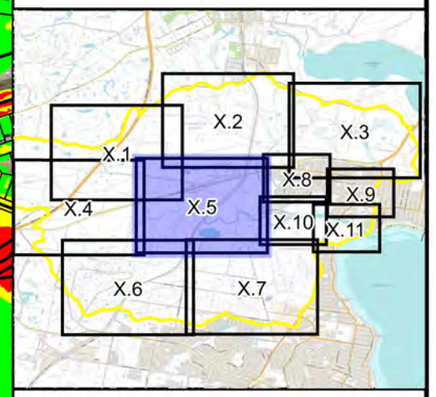
Prepared By:

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

File Name: Fig21.4 - Flood Planning Constraint Categories.wor



Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

Scale 1:8,000 (at A3)

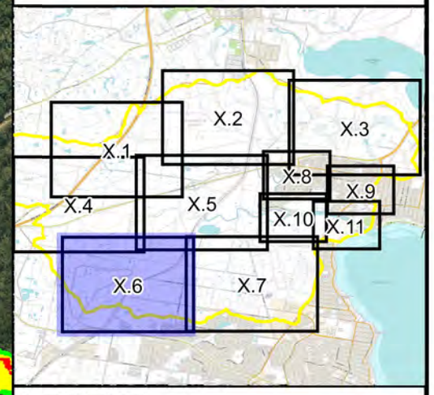
0 0.2 0.4 Km

Figure 21.5: Flood Planning Constraint Categories

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

File Name: Fig21.5 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 21.6: Flood Planning Constraint Categories

Prepared By:

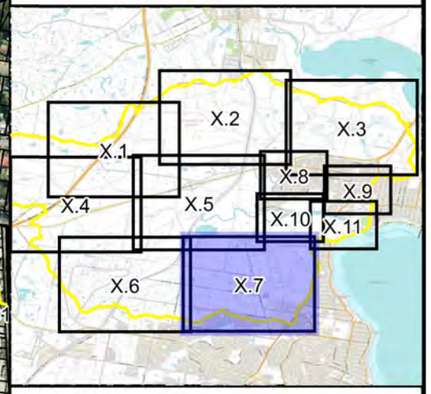
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig21.6 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

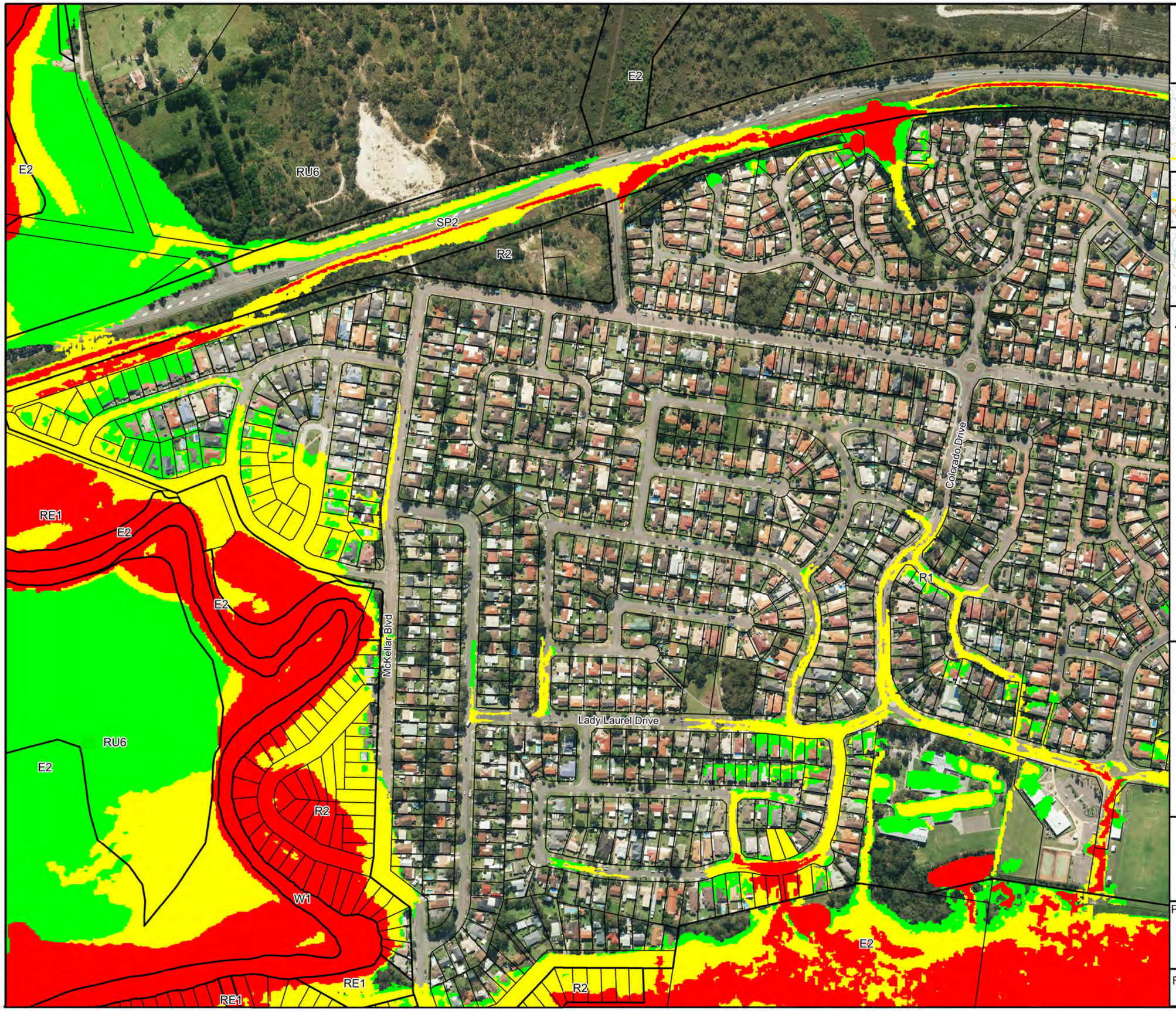
Scale 1:8,000 (at A3)

0 0.2 0.4 Km

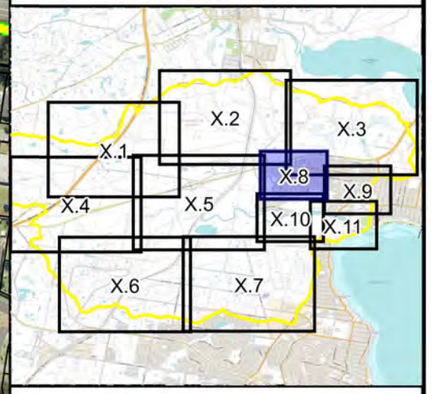
Figure 21.7: Flood Planning Constraint Categories

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

File Name: Fig21.7 - Flood Planning Constraint Categories.wor



Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

Figure 21.8: Flood Planning Constraint Categories

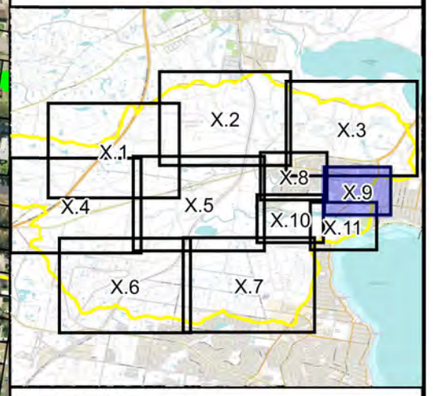
Prepared By:

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

File Name: Fig21.8 - Flood Planning Constraint Categories.wor



Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N
W E
S

Scale 1:8,000 (at A3)

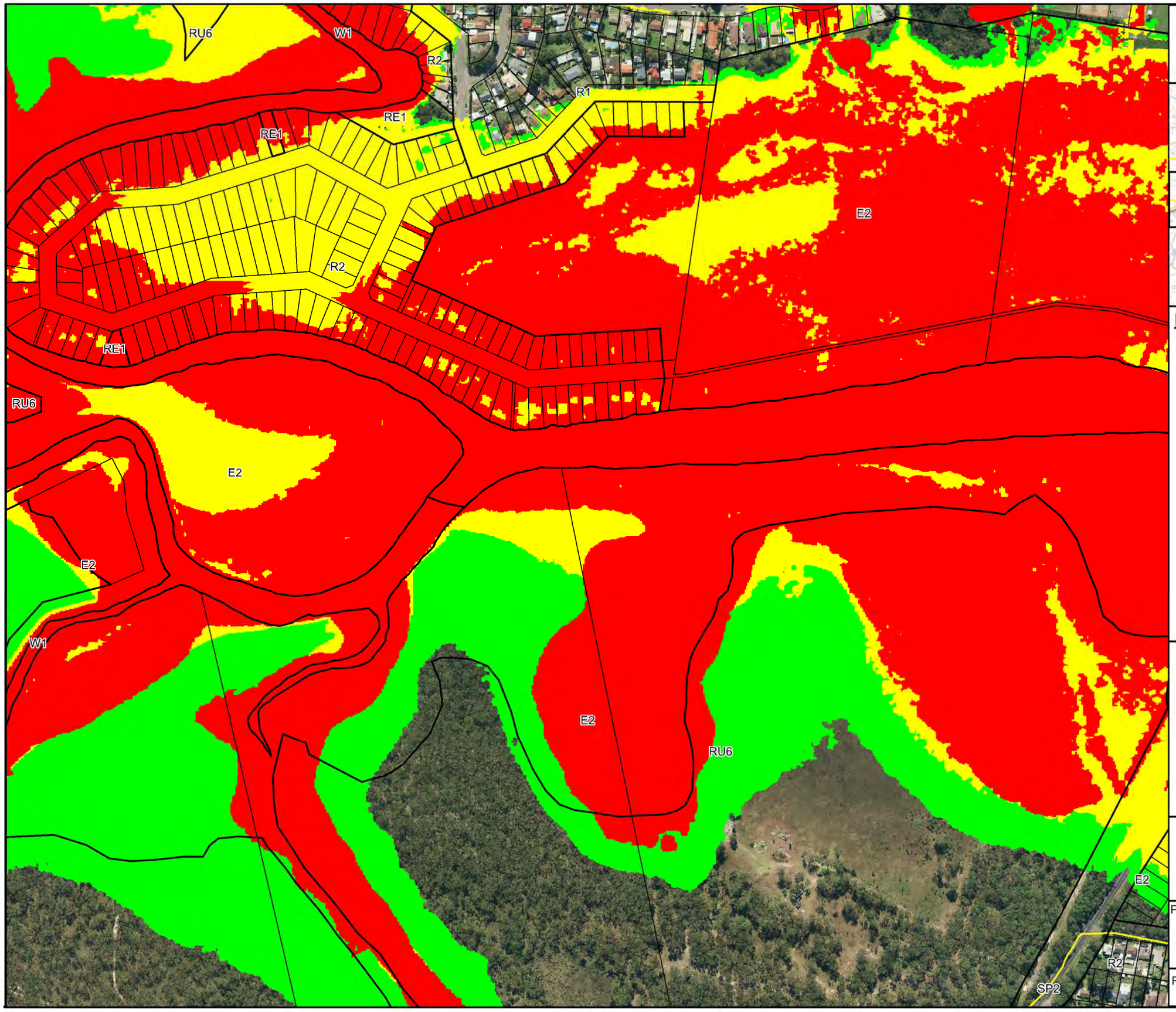
0 0.2 0.4 Km

Figure 21.9: Flood Planning Constraint Categories

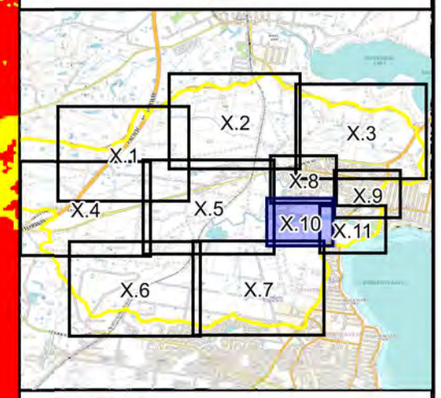
Prepared By:

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

File Name: Fig21.9 - Flood Planning Constraint Categories.wor



Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

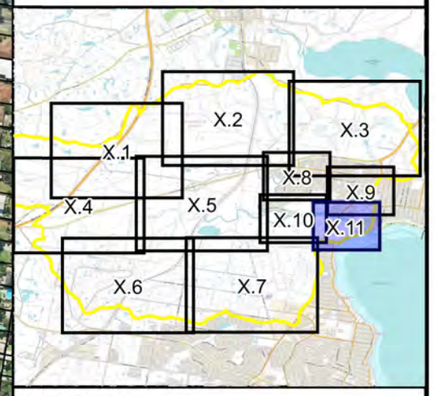
Figure 21.10: Flood Planning Constraint Categories

Prepared By:

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

File Name: Fig21.10 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

- Category 1
- Category 2
- Category 3
- Category 4
- R2 Land Zone Extent

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

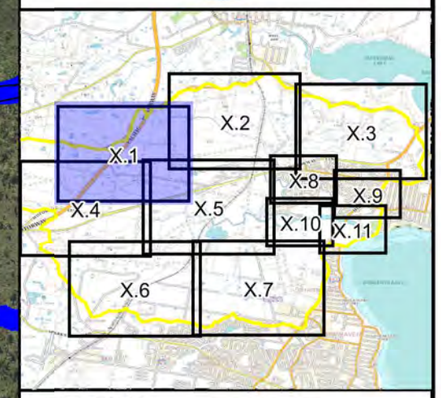
Figure 21.11: Flood Planning Constraint Categories

Prepared By:

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

File Name: Fig21.11 - Flood Planning Constraint Categories.wor

Central Coast Council



LEGEND

Flood Planning Area

Pacific Motorway

Bushells Ridge

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

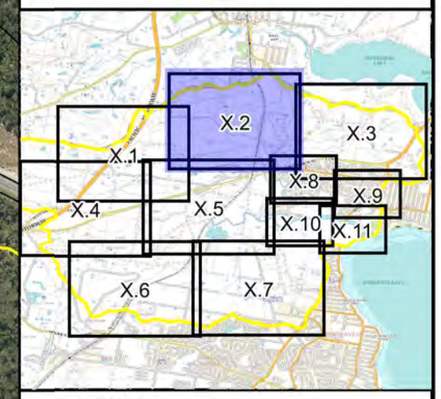
Figure 22.1: Flood Planning Area

Prepared By:

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

File Name: Fig22.1 - Flood Planning Area.wor

Central Coast Council



LEGEND

Flood Planning Area

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 22.2: Flood Planning Area

Prepared By:

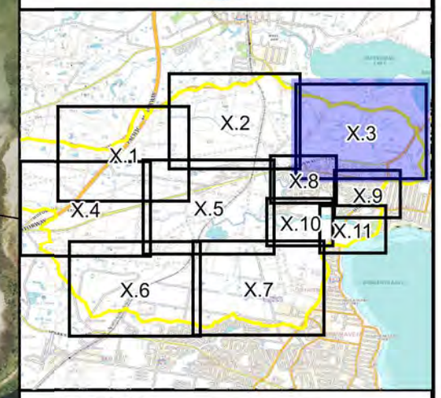
Catchment Simulation Solutions

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Sydney, NSW 2000

File Name: Fig22.2 - Flood Planning Area.wor

Central Coast Council



LEGEND

Flood Planning Area

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4 Km

Figure 22.3: Flood Planning Area

Prepared By:

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

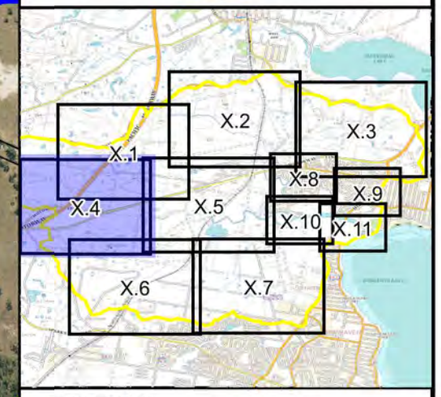
File Name: Fig22.3 - Flood Planning Area.wor

Doyalson Link Road

Roper Road

Colorado Drive

Central Coast Council



Pacific Motorway

Bushells Ridge

LEGEND

Flood Planning Area

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

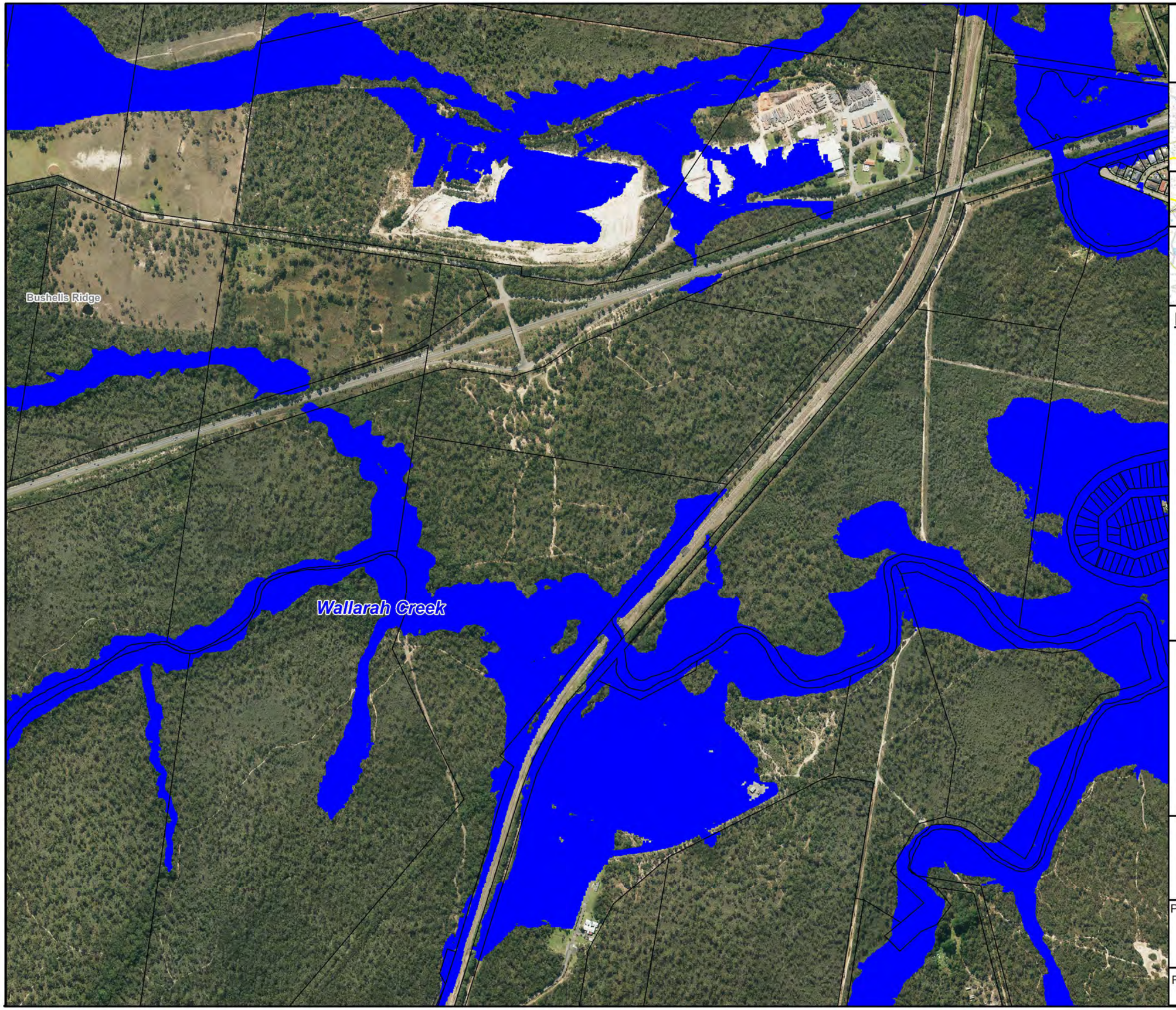
Km

Figure 22.4: Flood Planning Area

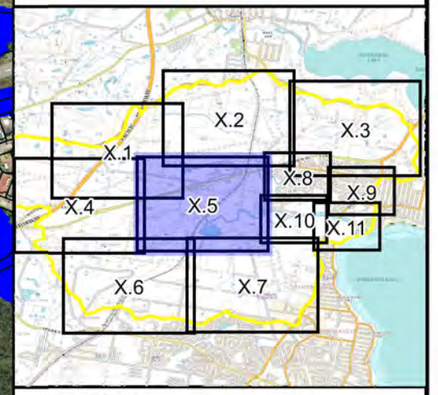
Prepared By:

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

File Name: Fig22.4 - Flood Planning Area.wor



Central Coast Council



LEGEND

Flood Planning Area

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

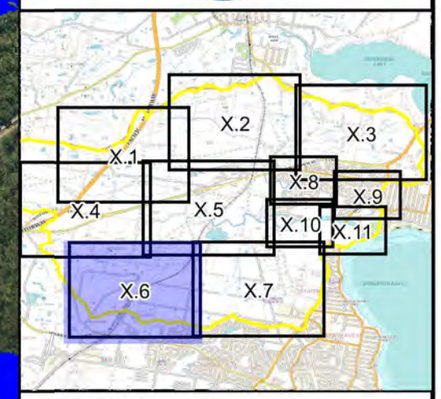
Figure 22.5: Flood Planning Area

Prepared By:

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

File Name: Fig22.5 - Flood Planning Area.wor

Central Coast Council



Wallarah

Sparks R

LEGEND

Flood Planning Area

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 22.6: Flood Planning Area

Prepared By:

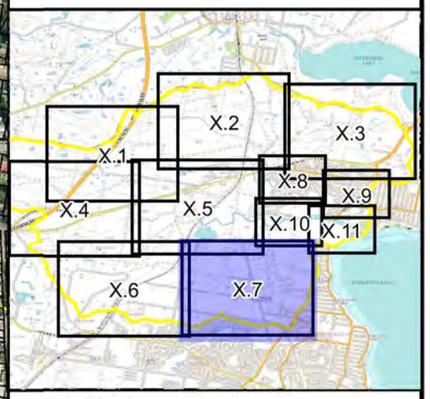
Catchment Simulation Solutions

Suite 2.01, 210 George St

Sydney, NSW 2000

File Name: Fig22.6 - Flood Planning Area.wor

Central Coast Council



Charmhaven

Lake Haven

Woongarrah

LEGEND

Flood Planning Area

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

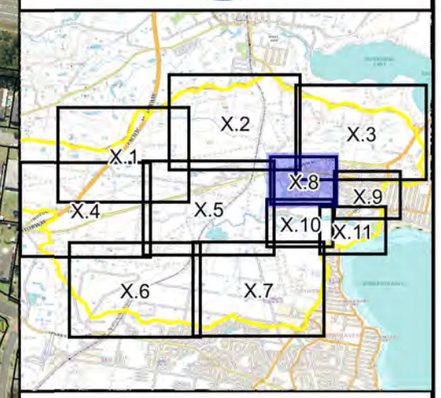
Figure 22.7: Flood Planning Area

Prepared By:

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

File Name: Fig22.7 - Flood Planning Area.wor

Central Coast Council



LEGEND

Flood Planning Area

Colorado Drive

McKellar Blvd

Lady Laurel Drive

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 22.8: Flood Planning Area

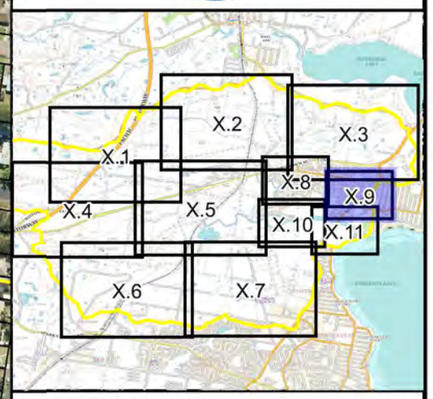
Prepared By:

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

File Name: Fig22.8 - Flood Planning Area.wor



Central Coast Council



LEGEND

Flood Planning Area

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

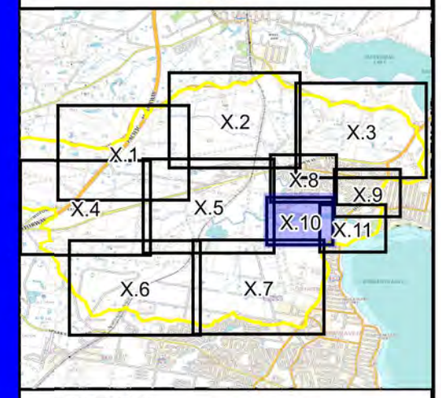
Figure 22.9: Flood Planning Area

Prepared By:

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

File Name: Fig22.9 - Flood Planning Area.wor

Central Coast Council



Wallarah Creek

LEGEND

Flood Planning Area

N

W E

S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

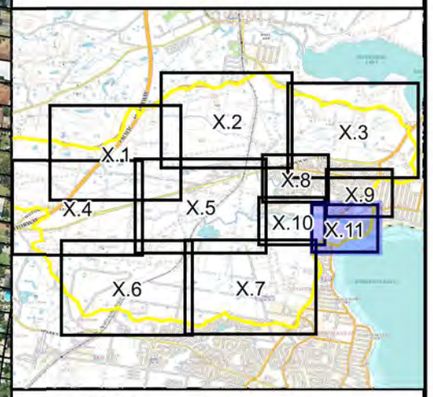
Figure 22.10: Flood Planning Area

Prepared By:

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

File Name: Fig22.10 - Flood Planning Area.wor

Central Coast Council



LEGEND

Flood Planning Area

N
W E
S

Scale 1:8,000 (at A3)

0 0.2 0.4

Km

Figure 22.11: Flood Planning Area

Prepared By:

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

File Name: Fig22.11 - Flood Planning Area.wor

CONCEPT DESIGNS FOR FLOOD RISK MANAGEMENT MEASURES

Provide earthern embankment with crest level at 5.9m AHD and 1V:4H batters. Required embankment fill depths are show in Figure 23.2.

30m spillway at 5.6m AHD

Rectangular outlet: 1.8m high x 10m wide.

THOMPSON VALE RD

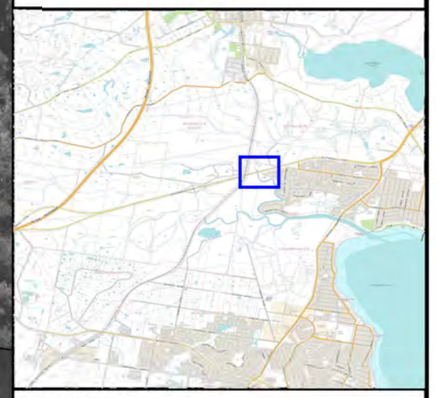
THOMPSON VALE RD

POPRAN WAY

WATERHEN CL

WATERHEN CL

Central Coast Council



LEGEND

- Terrain Changes
- Culvert
- Basin Wall
- Basin Spillway

N

W E

S

Scale 1:1,500 (at A3)

0 36 72

m

Figure 23.1: Concept Design for the Doyalson Link Road Basin (FM1)

Prepared By:

Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig23.1 - Concept Design for the Doyalson Link Road Basin (FM1).wor

FOR INFORMATION PURPOSES ONLY



Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-6.00	-4.00		0m3	CUT
-4.00	-2.00		0m3	CUT
-2.00	0.00		0m3	CUT
0.00	2.00		2581m3	FILL
2.00	4.00		492m3	FILL
4.00	5.81		227m3	FILL

Preliminary Cut Volume = 0m3
Preliminary Fill Volume = 3300m3
Preliminary Net Volume = 3300m3

N
W E
S

Scale 1:1,500 (at A3)

0 36 72
m

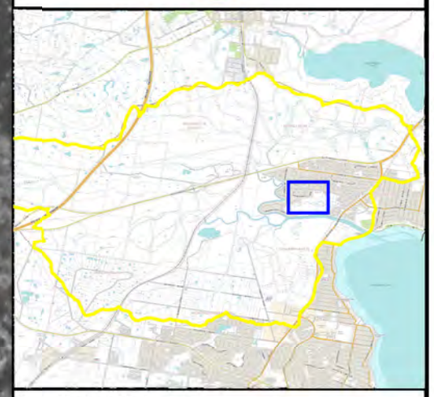
Figure 23.2: Concept Design for the Doyalson Link Road Basin (FM1)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig23.2 - Concept Design for the Doyalson Link Road Basin (FM1).wor



Central Coast Council



LEGEND

- Terrain Changes
- Cross Section

N
W E
S

Scale 1:420 (at A3)

0 11 22

m

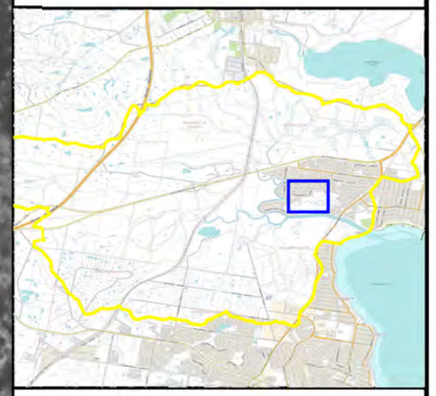
Figure 24.1: Concept Design for the Modified Pinehurst Way Detention Basin (FM2)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig24.1 - Concept Design for Pinehurst Way Detention Basin (FM2).wor



Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-0.96	-0.60		6m3	CUT
-0.60	-0.30		17m3	CUT
-0.30	0.00		49m3	CUT
0.00	0.30		0m3	FILL
0.30	0.60		0m3	FILL
0.60	0.90		0m3	FILL

Preliminary Cut Volume = 72m3
Preliminary Fill Volume = 0m3
Preliminary Net Volume = -72m3

N
W E
S

Scale 1:420 (at A3)

0 11 22
m

Figure 24.2: Concept Design for the Modified Pinehurst Way Detention Basin (FM2)

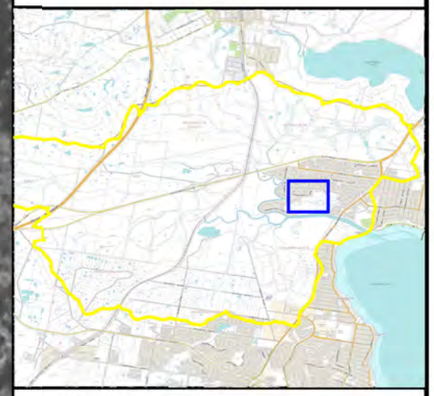
Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig24.2 - Concept Design for Pinehurst Way Detention Basin (FM2).wor

FOR INFORMATION PURPOSES ONLY



Central Coast Council



LEGEND

- New Box Culvert Alignment
- Existing Stormwater Pipes
- Cross Section

N
W E
S

Scale 1:420 (at A3)

0 11 22 m

Figure 25: Concept Design for the Pinehurst Way Stormwater Upgrade (FM3)

Prepared By:

Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig25 - Concept Design for Pinehurst Way Stormwater Upgrade (FM3).wor

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LEGEND

- New Stormwater Pipes
- 0.375 Existing Stormwater Pipes (Size - m)
- Overland Flow Path Alignment

Maximum Wall Height (m)

- 0.6
- 0.7
- 0.8
- 0.9

N
W E
S

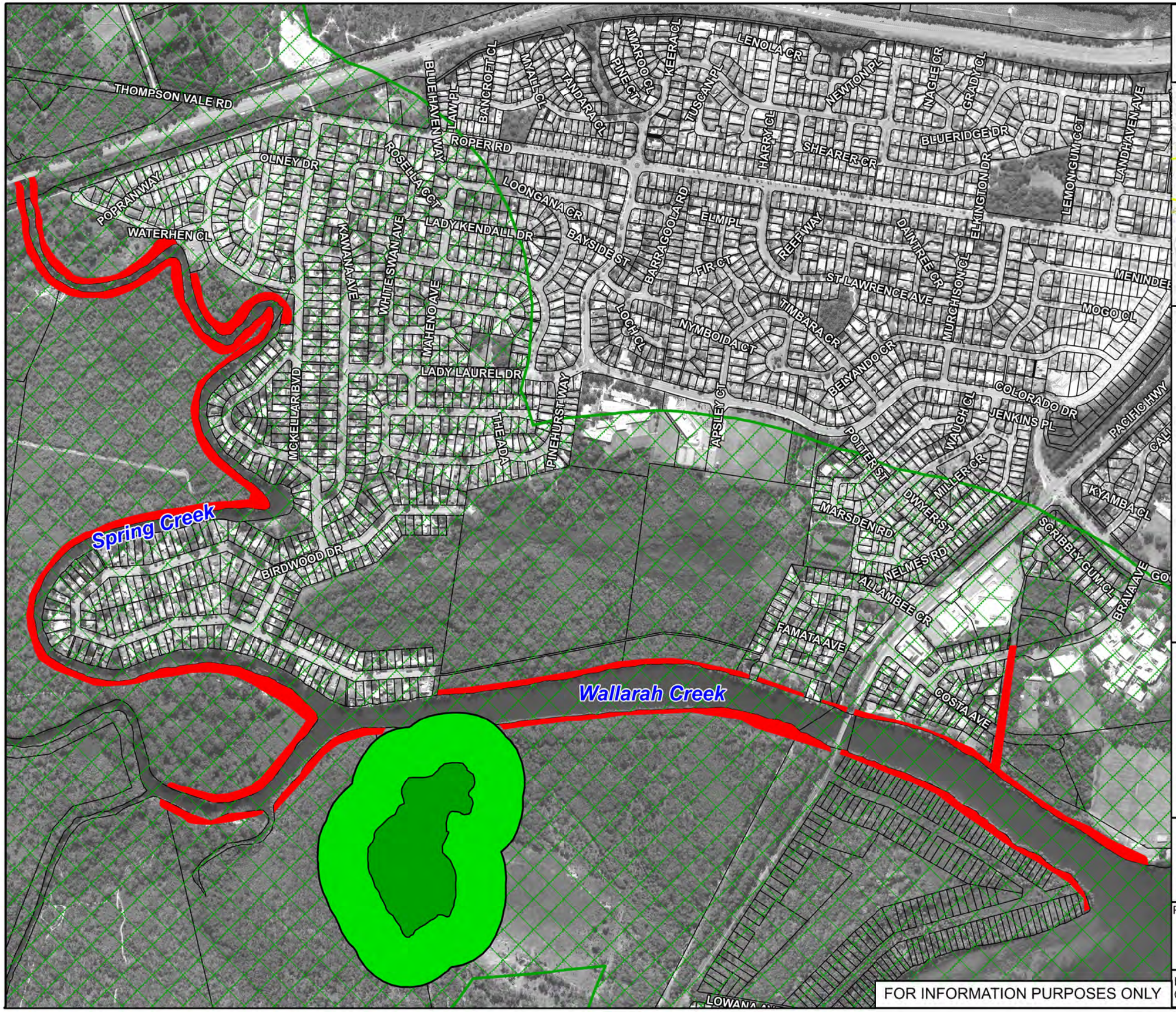
Scale 1:680 (at A3)

0 18 36 m

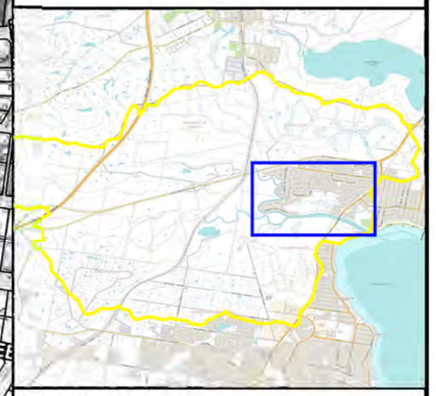
Figure 26: Concept Design for the Brava Avenue Floodwall and Drainage Upgrades (FM4)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig26 - Concept Design for the Brava Ave Floodwall & Drainage (FM4).wor



Central Coast Council



LEGEND

- Potential vegetation removal
- Coastal Environment Area
- Coastal Wetlands Area and Exclusion Zone

N
W E
S

Scale 1:7,000 (at A3)

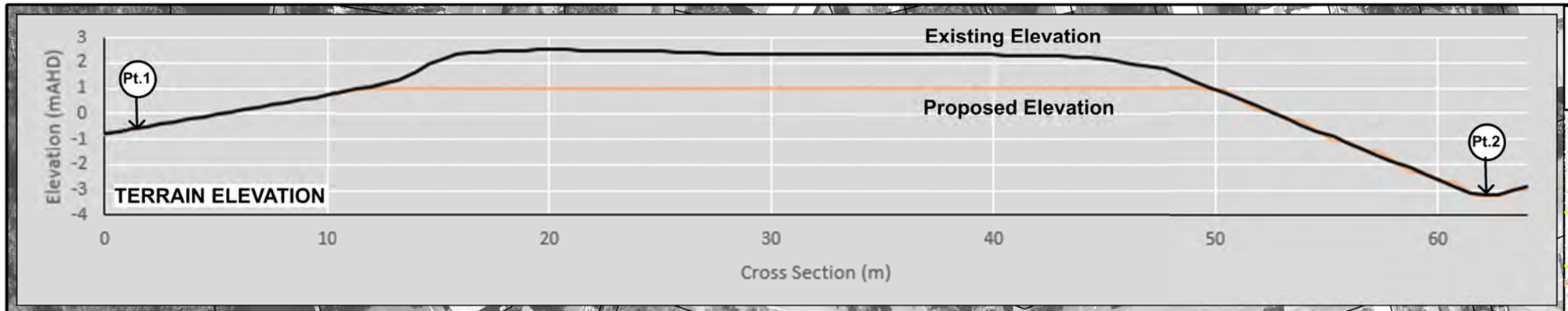
0 175 350

m

Figure 27: Concept Design for the Creek Maintenance and Removal of Dense Vegetation (FM5)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig27 - Concept Design for the Creek Vegetation Maintenance (FM5).wor



BIRDWOOD DR

Lower the terrain to 1.0m AHD. See Figure 28.2 for extent of changes. Vegetation to be reinstated to current level.

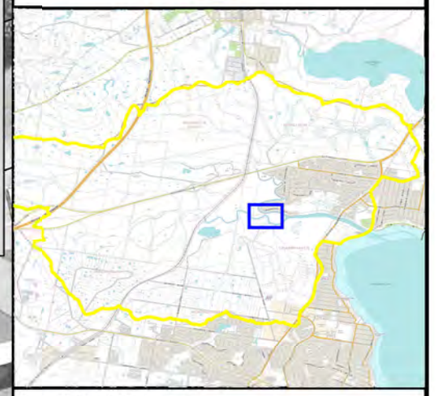
Pt. 1

Pt. 2

1V:10H slope up to existing terrain

FOR INFORMATION PURPOSES ONLY

Central Coast Council



LEGEND

- Terrain Changes
- Long Section

N

W E

S

Scale 1:680 (at A3)

0 17 34

m

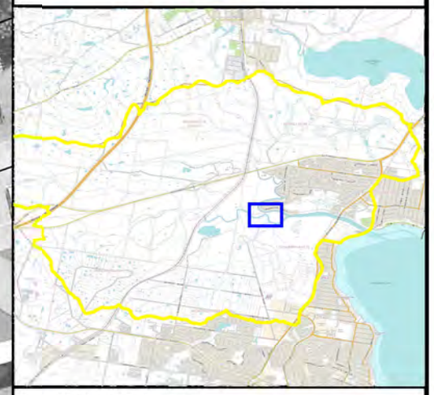
Figure 28.1: Concept Design for the Spring Creek High Flow Bypass (FM6)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig28.1 - Concept Design for the Spring Creek High Flow Bypass (FM6).wor



Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-3.00	-2.00		0m3	CUT
-2.00	-1.00		1540m3	CUT
-1.00	0.00		5706m3	CUT
0.00	1.00		0m3	FILL
1.00	2.00		0m3	FILL
2.00	3.00		0m3	FILL

Preliminary Cut Volume = 7246m3
Preliminary Fill Volume = 0m3
Preliminary Net Volume = -7246m3

N
W E
S

Scale 1:680 (at A3)

0 17 34
m

FOR INFORMATION PURPOSES ONLY

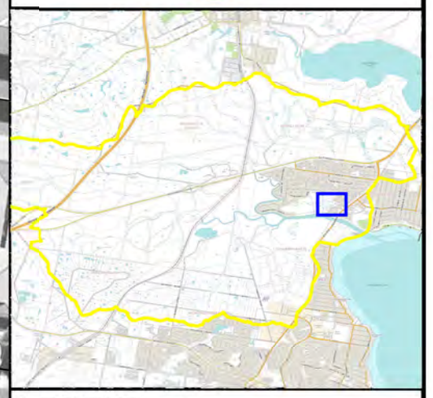
Figure 28.2: Concept Design for the Spring Creek High Flow Bypass (FM6)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig28.2 - Concept Design for the Spring Creek High Flow Bypass (FM6).wor



Central Coast Council



LEGEND

- Terrain Changes
- New Culvert
- Existing Channel Alignment

N
W E
S

Scale 1:780 (at A3)

0 19 38

m

Figure 29.1: Concept Design for the Allambee Crescent Channel Modifications (FM7)

Prepared By:

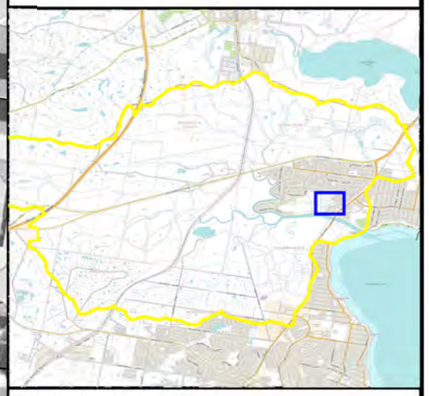
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig29.1 - Concept Design for the Allambee Crescent Channel Mod (FM7).wor

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Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-1.20	-0.80		0m3	CUT
-0.80	-0.40		0m3	CUT
-0.40	0.00		0m3	CUT
0.00	0.40		180m3	FILL
0.40	0.80		32m3	FILL
0.80	1.20		7m3	FILL

Preliminary Cut Volume = 0m3
Preliminary Fill Volume = 219m3
Preliminary Net Volume = 219m3

N
W E
S

Scale 1:780 (at A3)

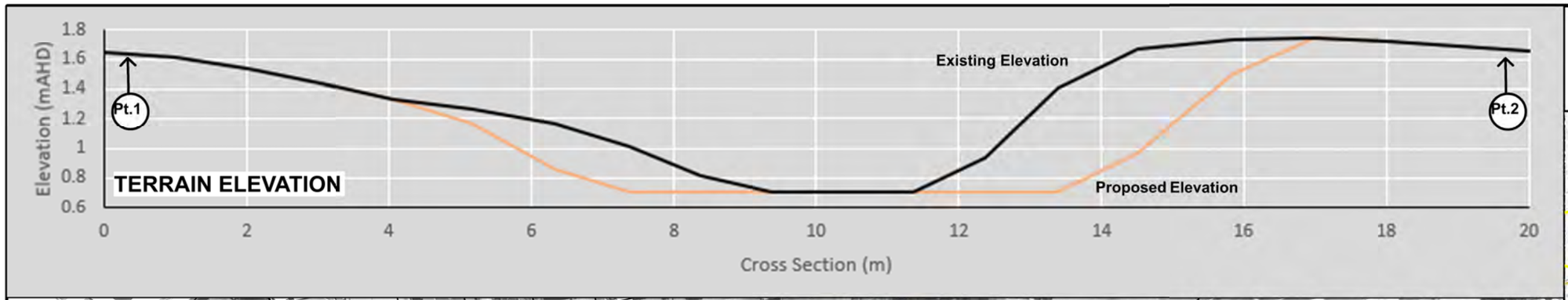
0 19 38
m

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Figure 29.2: Concept Design for the Allambee Crescent Channel Modifications (FM7)

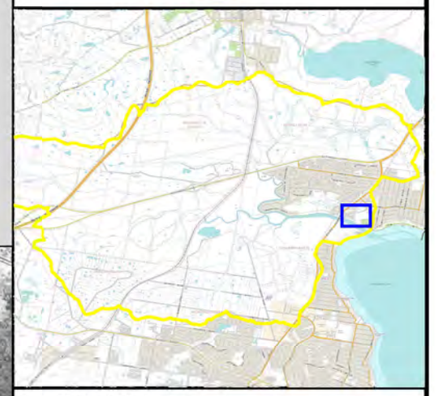
Prepared By:
Catchment Simulation Solutions
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Sydney, NSW 2000

File Name: Fig29.2 - Concept Design for the Allambee Crescent Channel Mod (FM7).wor





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LEGEND

- Extent of Terrain Changes
- Cross Section

N
W
E
S

Scale 1:1,100 (at A3)

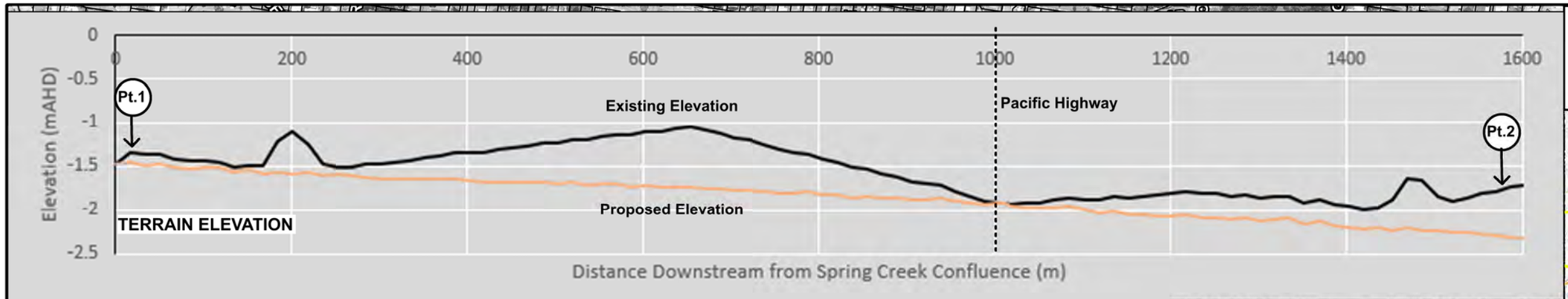
0 28 56

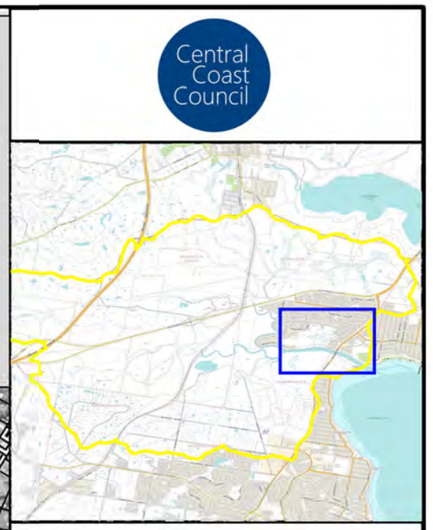
m

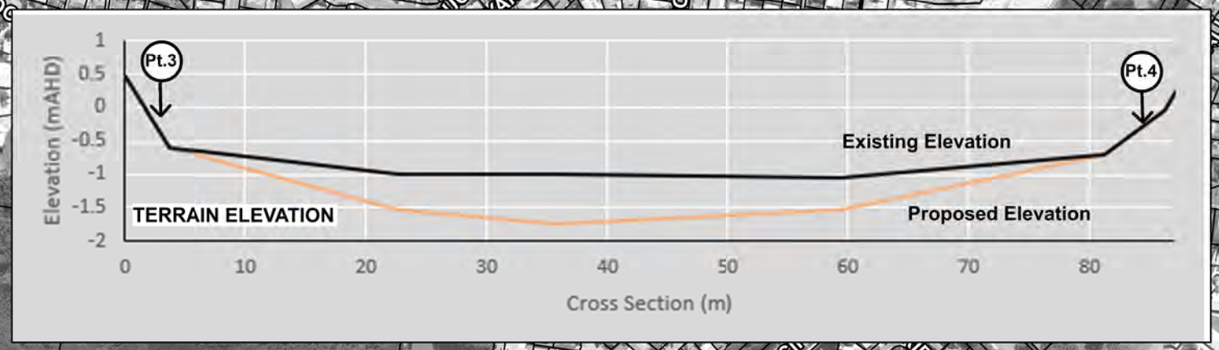
Figure 30: Concept Design to Enlarge Unnamed Watercourse Between Brava and Costa Avenues (FM8)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig30 - Concept Design to Enlarge Watercourse Between Brava + Costa (FM8).wor







LEGEND

Section Profile

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-0.70	-0.40		5949m3	CUT
-0.40	-0.20		8355m3	CUT
-0.20	0.00		8200m3	CUT
0.00	0.20		0m3	FILL
0.20	0.40		0m3	FILL
0.40	0.60		0m3	FILL

Preliminary Cut Volume = 22504m3
Preliminary Fill Volume = 0m3
Preliminary Net Volume = -22504m3

N
W
E
S

Scale 1:6,000 (at A3)

0 150 300

m

Figure 31: Concept Design to Dredge Wallarah Creek Downstream of the Spring Creek Confluence (FM9)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig31 - Concept Design to Dredge Wallarah Creek (FM9).wor

PINEHURST WAY

Pt. 3

Pt. 5

Pt. 6

Pt. 1

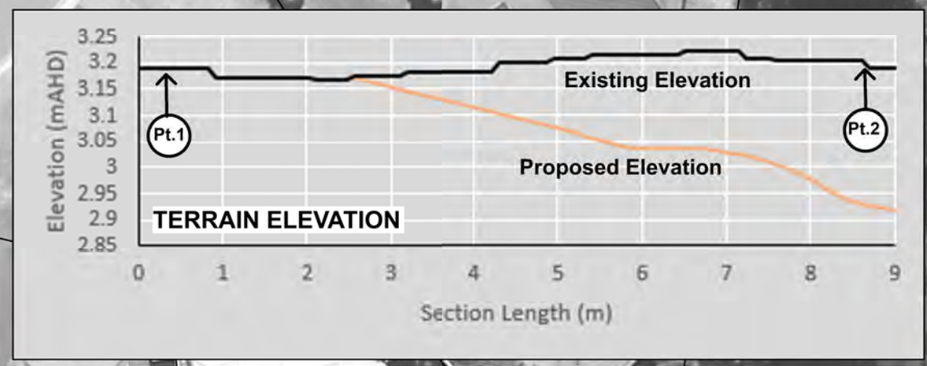
Pt. 2

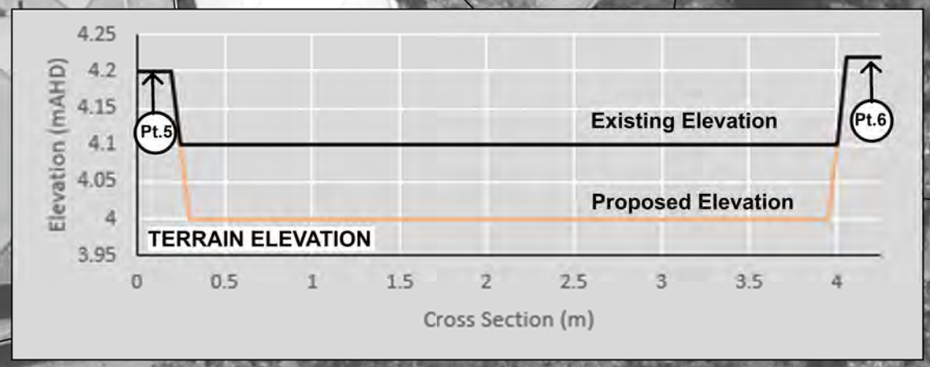
Pt. 4

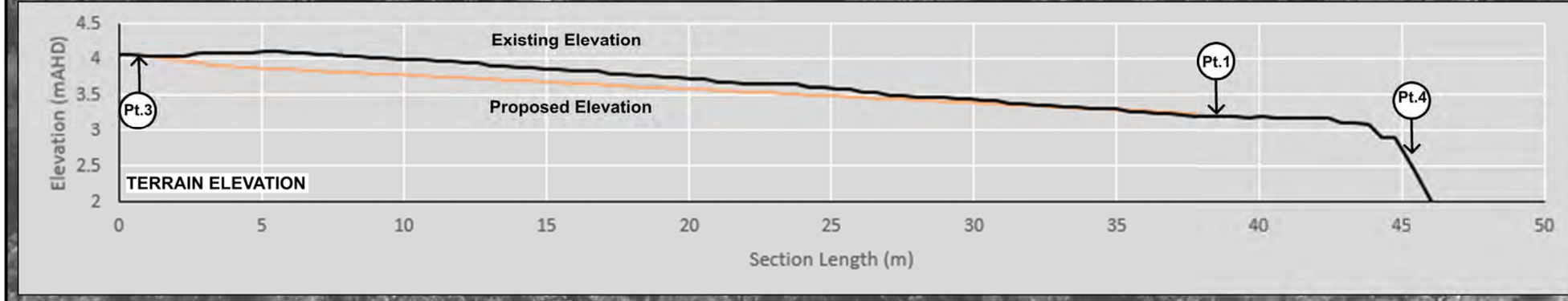
Replace existing lintel with a grate inlet

Lower existing flow path by 0.10m

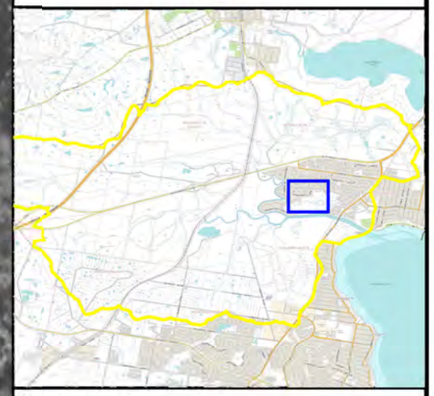
Lower terrain to allow high flow to bypass the detention basin







Central Coast Council



LEGEND

- Terrain Changes
- Long Section
- Stormwater Pit

N

W E

S

Scale 1:420 (at A3)

0 11 22

m

Figure 32.1: Concept Design for the Pinehurst Way Flow Path Reshaping (FM10)

Prepared By:

Catchment Simulation Solutions

Suite 10.01, 70 Phillip St

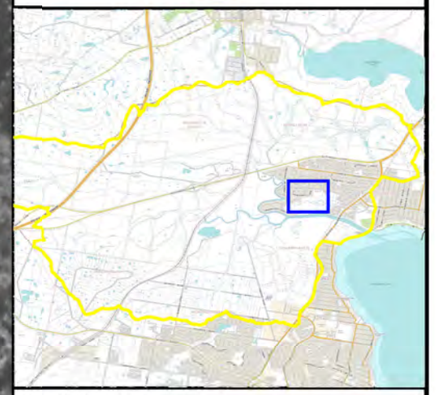
Sydney, NSW 2000

File Name: Fig32.1 - Concept Design for the Pinehurst Way Flow Path Reshaping (FM10).wor

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Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-0.30	-0.20		8m3	CUT
-0.20	-0.10		19m3	CUT
-0.10	0.00		27m3	CUT
0.00	0.10		0m3	FILL
0.10	0.20		0m3	FILL
0.20	0.30		0m3	FILL

Preliminary Cut Volume = 54m3
Preliminary Fill Volume = 0m3
Preliminary Net Volume = -54m3

N
W E
S

Scale 1:420 (at A3)

0 11 22
m

Figure 32.2: Concept Design for the Pinehurst Way Flow Path Reshaping (FM10)

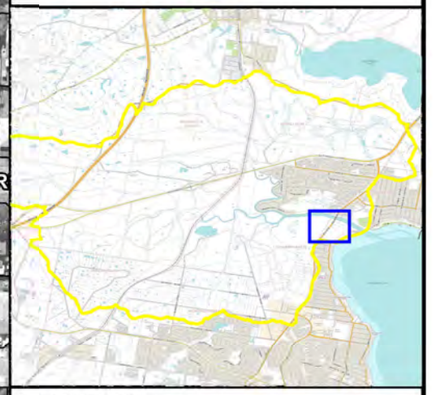
Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig32.2 - Concept Design for the Pinehurst Way Flow Path Reshaping (FM10).wor

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Central Coast Council



LEGEND

Potentially Eligible Building

N
W E
S

Scale 1:1,500 (at A3)

0 39 78

m

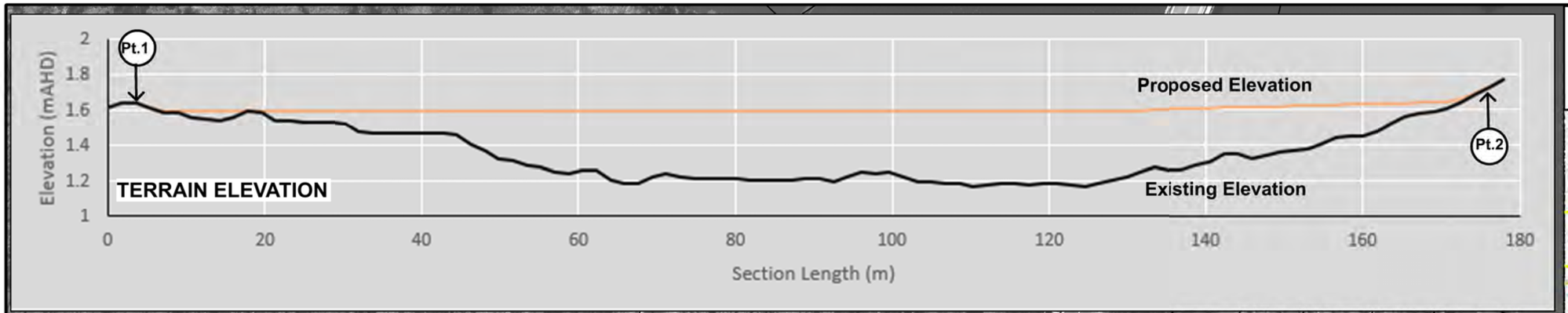
Figure 33: Properties Potentially Eligible for Voluntary Purchase (PM2)

Prepared By:

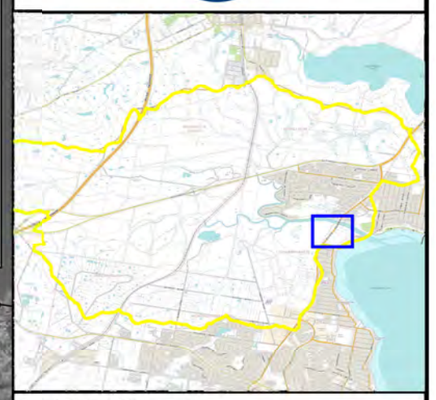
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig33 - Properties Potentially Eligible for Voluntary Purchase (PM2).wor

FOR INFORMATION PURPOSES ONLY







LEGEND

- Terrain Changes
- Culvert
- Road Profile

N
W E
S

Scale 1:1,000 (at A3)

0 30 60

m

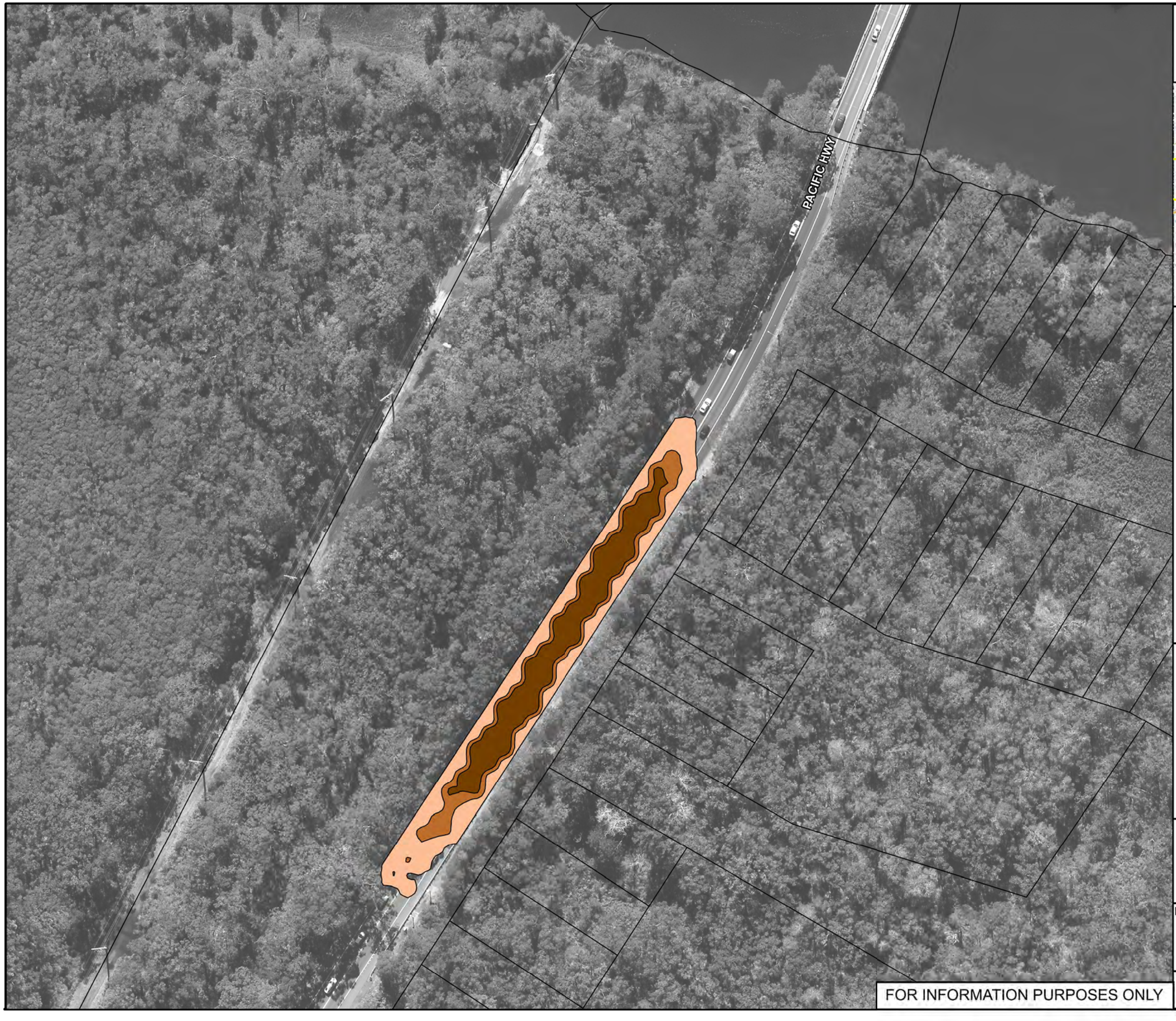
Figure 34.1: Concept Design for the Upgrade of Pacific Highway (RM5)

Prepared By:

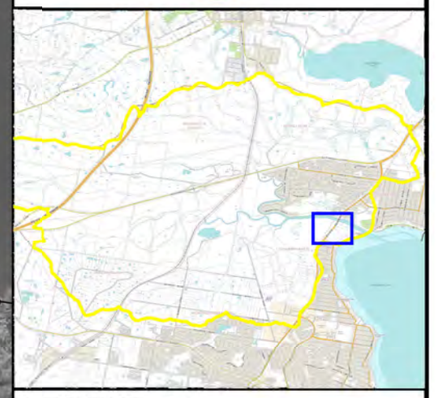
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig34.1 - Concept Design for the Upgrade of Pacific Highway (RM5).wor

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Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-0.30	-0.20		0m3	CUT
-0.20	-0.10		0m3	CUT
-0.10	0.00		0m3	CUT
0.00	0.10		152m3	FILL
0.10	0.20		123m3	FILL
0.20	0.44		109m3	FILL

Preliminary Cut Volume = 0m3
Preliminary Fill Volume = 384m3
Preliminary Net Volume = 384m3

N
W E
S

Scale 1:1,000 (at A3)

0 30 60
m

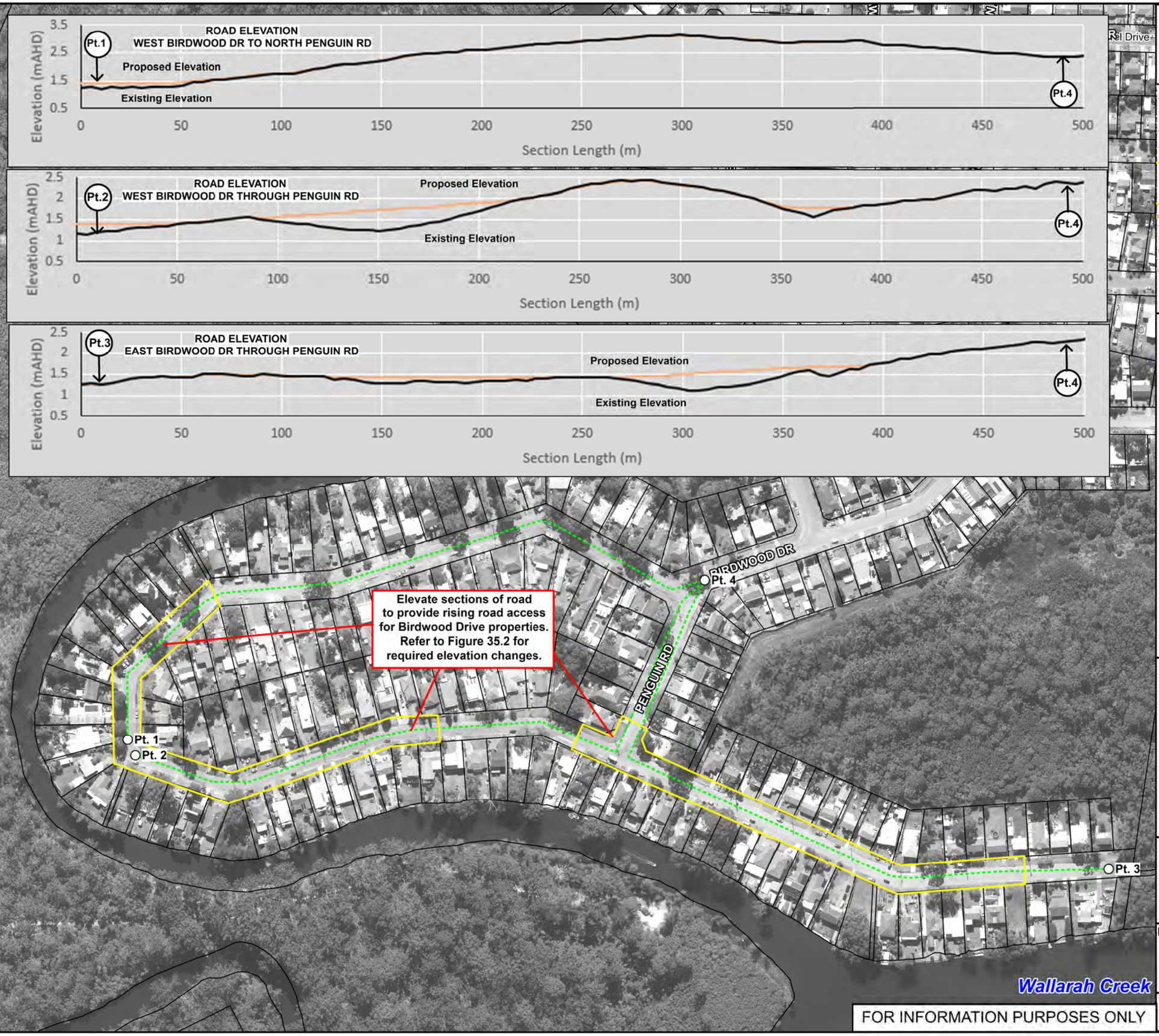
Figure 34.2: Concept Design for the Upgrade of Pacific Highway (RM5)

Prepared By:

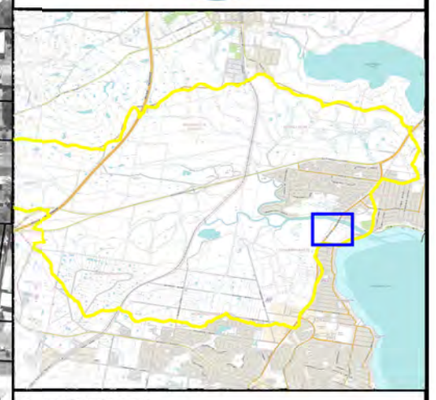
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig34.2 - Concept Design for the Upgrade of Pacific Highway (RM5).wor

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Central Coast Council



LEGEND

- Terrain Changes
- Road Longitudal Sections

N
W E
S

Scale 1:2,600 (at A3)

0 65 130

m

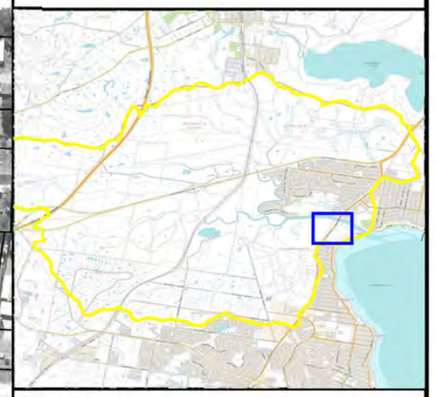
Figure 35.1: Concept Design for the Upgrade of Birdwood Drive (RM6)

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig35.1 - Concept Design for the Upgrade of Birdwood Drive (RM6).wor



Central Coast Council



LEGEND

Terrain Differences

From Depth	To Depth	Colour	Depth Range Volume	
-0.45	-0.30		0m3	CUT
-0.30	-0.15		0m3	CUT
-0.15	0.00		0m3	CUT
0.00	0.15		244m3	FILL
0.15	0.30		151m3	FILL
0.30	0.45		79m3	FILL

Preliminary Cut Volume = 0m3
Preliminary Fill Volume = 474m3
Preliminary Net Volume = 474m3

N
W E
S

Scale 1:2,600 (at A3)

0 65 130
m

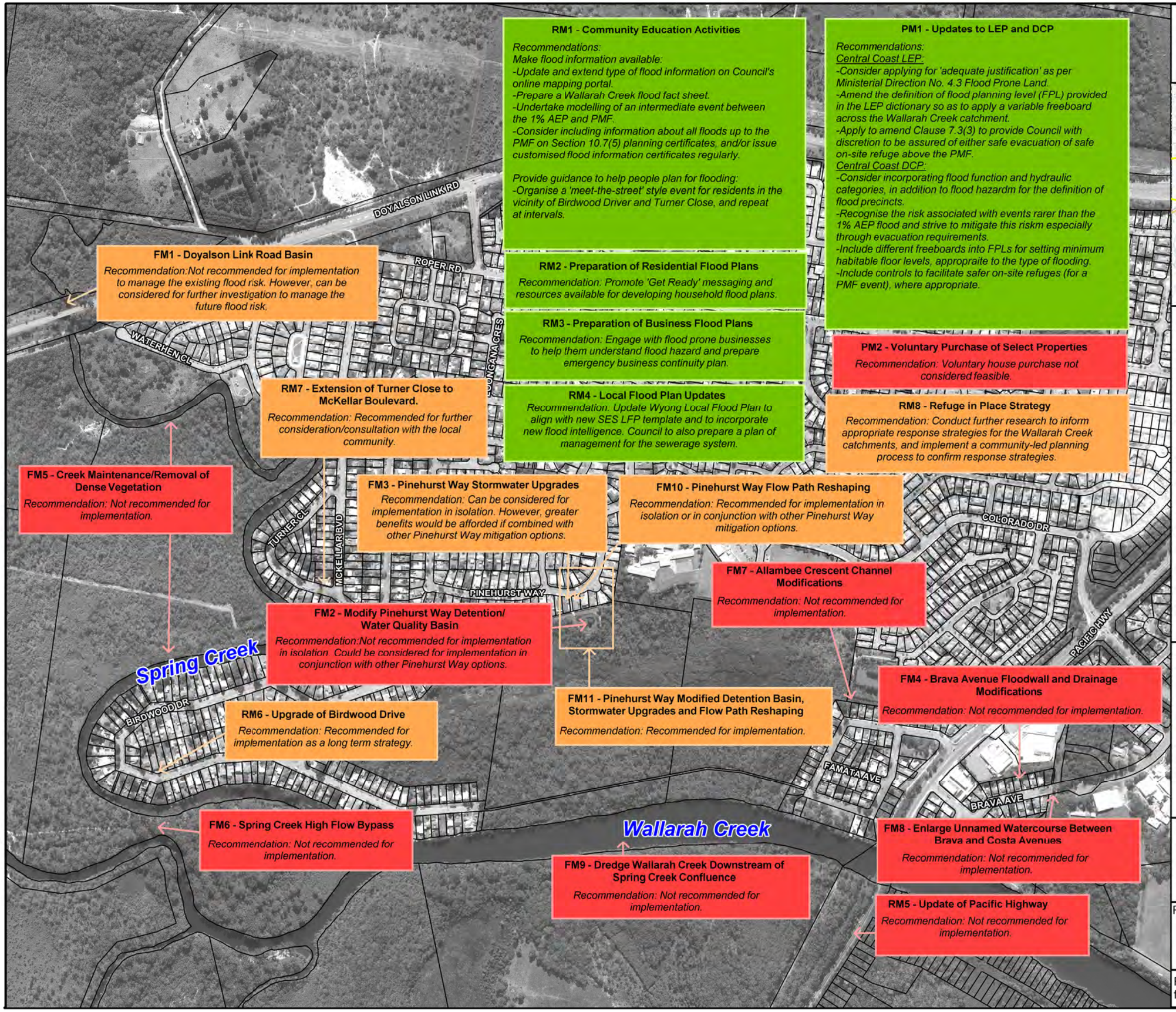
FOR INFORMATION PURPOSES ONLY

Figure 35.2: Concept Design for the Upgrade of Birdwood Drive (RM6)

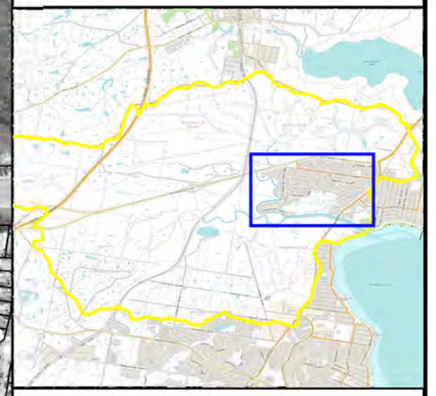
Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig35.2 - Concept Design for the Upgrade of Birdwood Drive (RM6).wor

DRAFT FLOODPLAIN RISK MANAGEMENT PLAN



Central Coast Council



LEGEND

- High Priority Option
- Medium or Low Priority Option
- Not recommended
- FM — Flood Modification Option
- PM — Property Modification Option
- RM — Response Modification Option

N
W E
S

Scale 1:7,000 (at A3)

0 175 350

m

Figure 36: Draft Floodplain Risk Management Plan for the Wallarah Creek Catchment

Prepared By:
Catchment Simulation Solutions
Suite 10.01, 70 Phillip St
Sydney, NSW 2000

File Name: Fig36 - Draft FPRMP for the Wallarah Catchment.wor