



**G801-a-1
Maloneys Beach
PMF Depth**

Legend

Study Area

Depth (m)

- 0.15 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3 - 4
- >4



0 80 160 240 m

1:5,000

Size : A3
Date : 15 June 2020
Revision : A
Created by : LRE
Coordinate System : MGA 56

R h e l m



**G801-a-2
Maloneys Beach
1% AEP Depth**

Legend

Study Areas

Depth (m)

0.15 - 0.3

0.3 - 0.5

0.5 - 1

1 - 2

2 - 3

3 - 4

>4



0 80 160 240 m

1:5000

Size : A3
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Coordinate System : MGA 56

R h e l m



G801-a-3
Maloneys Beach
10% AEP Depth

Legend

Study Areas

Depth (m)

0.15 - 0.3

0.3 - 0.5

0.5 - 1

1 - 2

2 - 3

3 - 4

>4



0 80 160 240 m



1:5000

Size : A3
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**G802-a-1
Maloneys Beach
PMF Velocity**

Legend

Study Areas

Velocity (m/s)

0 - 0.5

0.5 - 1

1 - 2

2 - 3

3 - 4

> 4



0 80 160 240 m



1:5000

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R h e l m





**G802-a-2
Maloneys Beach
1% AEP Velocity**

Legend

Study Areas

Velocity (m/s)

0 - 0.5

0.5 - 1

1 - 2

2 - 3

3 - 4

> 4



0 80 160 240 m



1:5000

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**G802-a-3
Maloneys Beach
10% AEP Velocity**

Legend

Study Areas

Velocity (m/s)

0 - 0.5

0.5 - 1

1 - 2

2 - 3

3 - 4

> 4



0 80 160 240 m



1:5000

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**G803-a-1
Maloneys Beach
PMF Hazard**



0 80 160 240 m



1:5000







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R h e l m

Legend

Study Areas

Hazard

-  H1 - Generally safe for vehicles, people & buildings
-  H2 - Unsafe for small vehicles
-  H3 - Unsafe for vehicles, children and the elderly
-  H4 - Unsafe for vehicles and people
-  H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
-  H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure





**G803-a-2
Maloneys Beach
1% AEP Hazard**



0 80 160 240 m

1:5000

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- Legend**
- Study Areas
- Hazard**
- H1 - Generally safe for vehicles, people & buildings
 - H2 - Unsafe for small vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for vehicles and people
 - H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
 - H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure





**G803-a-3
Maloneys Beach
10% AEP Hazard**



0 80 160 240 m



1:5000







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Legend

Study Areas

Hazard

-  H1 - Generally safe for vehicles, people & buildings
-  H2 - Unsafe for small vehicles
-  H3 - Unsafe for vehicles, children and the elderly
-  H4 - Unsafe for vehicles and people
-  H5 - Unsafe for vehicles and people. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
-  H6 - Unsafe for vehicles and people. All building types considered vulnerable to failure



**G804-a-1
Maloneys Beach
PMF Flood Function**

Legend

-  Study Areas
- Flood Function**
-  Floodway
-  Storage
-  Fringe

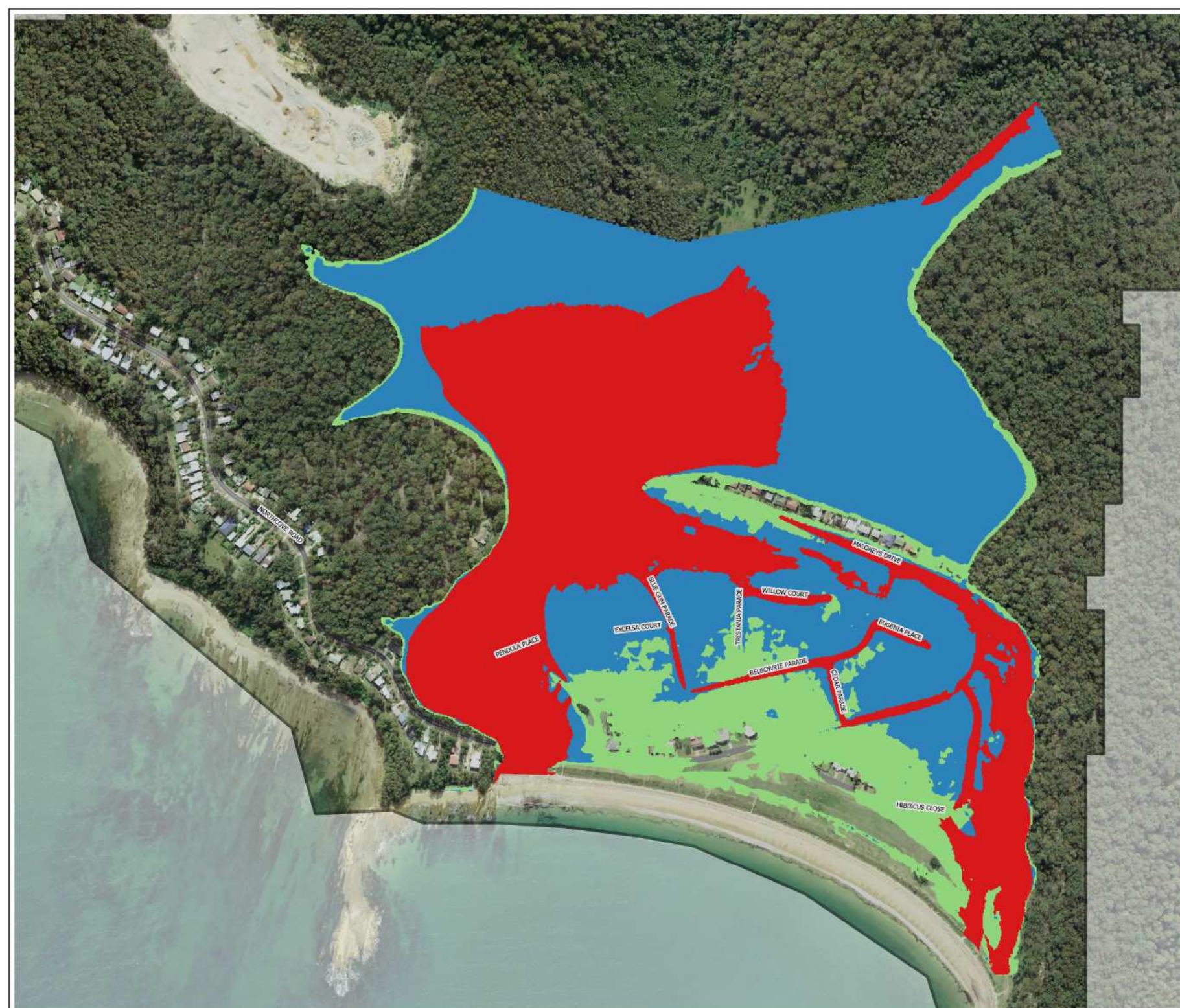


0 80 160 240 m



1:5000

Size : A3
Date : 15 June 2020
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Coordinate System : MGA 56





**G804-a-2
Maloneys Beach
1% AEP Flood
Function**

Legend

-  Study Areas
- Flood Function**
-  Floodway
-  Storage
-  Fringe



0 80 160 240 m



1:5000

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**G805-a-1
Maloneys Beach
1% AEP 0.35m SLR
Impacts
(2050 Scenario)**

Legend

Study Area

Water Level Difference (m)

Was dry, now wet



0 80 160 240 m



1:5000

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**G805-a-2
Maloneys Beach
5% AEP 0.35m SLR
Impacts
(2050 Scenario)**

Legend

Study Areas

Water Level Difference (m)

≤ 0.01

0.01 - 0.05

0.05 - 0.1

0.1 - 0.2

0.2 - 0.4

0.4 - 0.6

> 0.6

Was dry, now wet



0 80 160 240 m



1:5000

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**G806-a
Maloneys Beach
0.72m SLR Impacts
(2100 Scenario)**

Legend

Study Area

Water Level Difference (m)

-  ≤ 0.01
-  0.01 - 0.05
-  0.05 - 0.1
-  0.1 - 0.2
-  0.2 - 0.4
-  0.4 - 0.6
-  > 0.6
-  Was dry, now wet



0 80 160 240 m



1:5000

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**G807-a-2
Maloneys Beach
PMF Critical Duration**


Legend


 Study Areas

Critical Duration

 60 minute

 90 minute

 120 minute

 180 minute



0 80 160 240 m



1:5000

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**G807-a-2
Maloneys Beach
1% AEP Critical
Duration**


Legend


 Study Areas

Critical Duration

 30 minute

 60 minute

 120 minute

 180 minute



0 80 160 240 m



1:5000

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**G807-a-2
Maloneys Beach
10% AEP Critical
Duration**


Legend


 Study Areas

Critical Duration

 30 minute

 90 minute

 120 minute

 270 minute



0 80 160 240 m



1:5000





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G807-a Maloneys Beach Tidal Inundation

Legend

-  Study Areas
-  Existing Tidal Extent
-  0.35m SLR Tidal Extent
-  0.72m SLR Tidal Extent



0 80 160 240 m



1:5000






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**G901-a
Maloneys Beach
Flood Planning Area**

Legend

-  Study Areas
-  Existing 1% AEP +0.5m
-  0.35m SLR 1% AEP +0.5m
-  0.72m SLR 1% AEP +0.5m
-  PMF Extent



0 80 160 240 m



1:5000

Size : A3
Date : 15 June 2020
Revision : A
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**G902-a-1
Maloneys Beach
PMF Flood Emergency
Response
Classifications**

Legend

Study Areas

Classifications

Flooded Rising Road

Flooded Overland Escape

Isolated, Elevated

Isolated, Submerged



0 80 160 240 m



1:5000

Size : A3
Date : 15 June 2020
Revision : A
Created by : LRE
Coordinate System : MGA 56





**G902-a-2
Maloneys Beach
1% AEP Flood
Emergency Response
Classifications**

Legend

Study Areas

Classifications

Flooded Rising Road

Flooded Overland Escape

Isolated, Elevated

Isolated, Submerged



0 80 160 240 m



1:5000

Size : A3
Date : 15 June 2020
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ID	Location	20% AEP	10% AEP	1% AEP	PMF
M-1	Northcove Road	0	0	0.57	2.46
M-2	Maloneys Drive	0	0	0	2.4
M-3	Belbowire Parade	0	0	0	1.21



**G903-a
Maloneys Beach
Road Overtopping**

- Legend**
- Study Areas
 - Overtopping Locations
 - 1% AEP Depth (m)
 - 0.15 - 0.3
 - 0.3 - 0.5
 - 0.5 - 1
 - 1 - 2
 - 2 - 3
 - 3 - 4
 - >4



0 80 160 240 m
1:5000

Size : A3
Date : 15 June 2020
Revision : A
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T002-a Maloneys Beach Pump Station Affection

Legend

- Study Areas
- 10% AEP Extent
- 1% AEP Extent
- PMF Extent

Pump Station Affection

- Flooded in 10% AEP
- Flooded in 1% AEP
- Flooded in PMF
- Flood Free



0 80 160 240 m

1:5,000

Size : A3
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G905-a Maloneys Beach Draft Flood Prone Land Control Areas

Legend

- Study Areas
- FPA - Flood Planning Area
- SFC - Special Flood Considerations

Land Use Zones

- | | | | |
|----|-----|-----|-----|
| B1 | E2 | RE1 | SP1 |
| B2 | E4 | RE2 | SP2 |
| B4 | IN1 | RU1 | SP3 |
| B5 | R2 | RU3 | W1 |
| DM | R3 | RU4 | W2 |
| E1 | R5 | RU5 | |



0 80 160 240 m



1:5000

Size : A3
Date : 22 June 2020
Revision : A
Created by : LRE
Coordinate System : MGA 56

