



Map G140

**Flood Planning Area
(FPA)**

Davistown

Legend

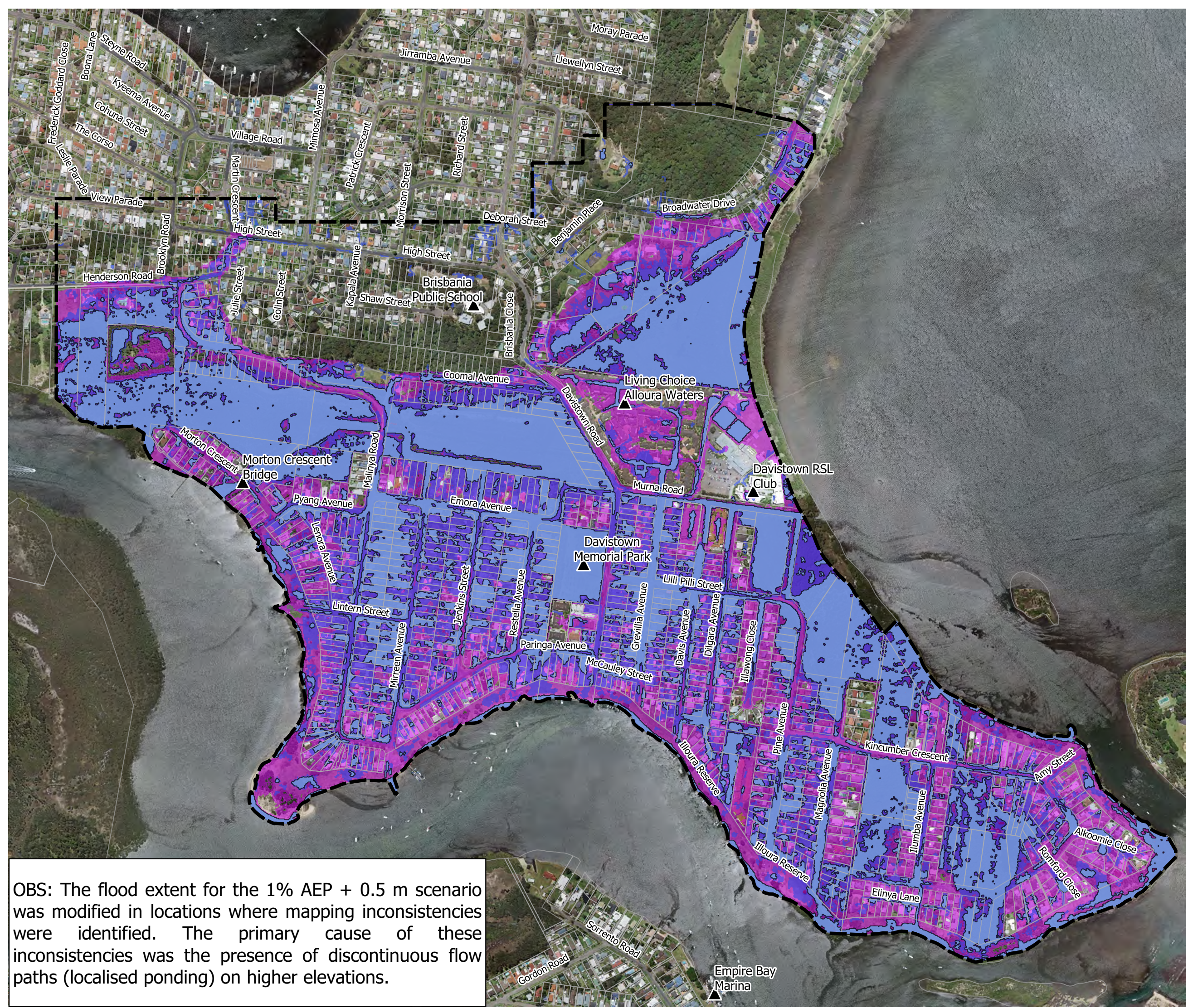
-  Model Area
-  Cadastre
-  FPA - 1% AEP + 30% rainfall increase
-  FPA - PMF
-  FPA - 1% AEP + 0.5 m freeboard



Scale : 1:7500@A3
Date : December 2019
Revision : A
Created by : JS
Coordinate System : MGA 56



OBS: The flood extent for the 1% AEP + 0.5 m scenario was modified in locations where mapping inconsistencies were identified. The primary cause of these inconsistencies was the presence of discontinuous flow paths (localised ponding) on higher elevations.





Map G141

**Flood Planning Area
(FPA)**

Empire Bay/Bensville

Legend

- Model Area
- Cadastre
- FPA - 1% AEP + 30% rainfall increase
- FPA - PMF
- FPA - 1% AEP + 0.5 m freeboard

0 200 400 600 m

Scale : 1:12000@A3
Date : December 2019
Revision : A
Created by : JS
Coordinate System : MGA 56



OBS: The flood extent for the 1% AEP + 0.5 m scenario was modified in locations where mapping inconsistencies were identified. The primary cause of these inconsistencies was the presence of discontinuous flow paths (localised ponding) on higher elevations.

Peak Overtopping Depths / Duration

ID	Location	20% AEP	1% AEP
DT-01	Malynia Road (North)	0.2m / 1hr	0.3m / 1.5hr
DT-03	Emora Avenue	0.2m / 2hr	0.3m / 4hr+
DT-02	Malynia Road (South)	0.1m / 1hr	0.2m / 3.5hr
DT-04	Kincumber Cresc	0.2m / 1.5hr	0.3m / 2.5hr



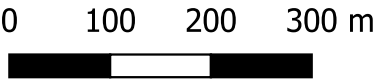
Map G150

Road Overtopping

Davistown

Legend

- Model Area
- Cadastre
- Infrastructure Locations
- 1% AEP Depth
 - 0.10 - 0.2
 - 0.2 - 0.3
 - 0.3 - 0.4
 - 0.4 - 0.5
 - 0.5 - 0.75
 - 0.75 - 1
 - 1 - 1.2
 - > 1.2



Scale : 1:7500@A3
Date : December 2019
Revision : A
Created by : JS
Coordinate System : MGA 56





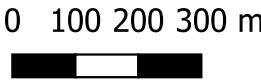
Map G151

Road Overtopping

Empire Bay/Bensville

Legend

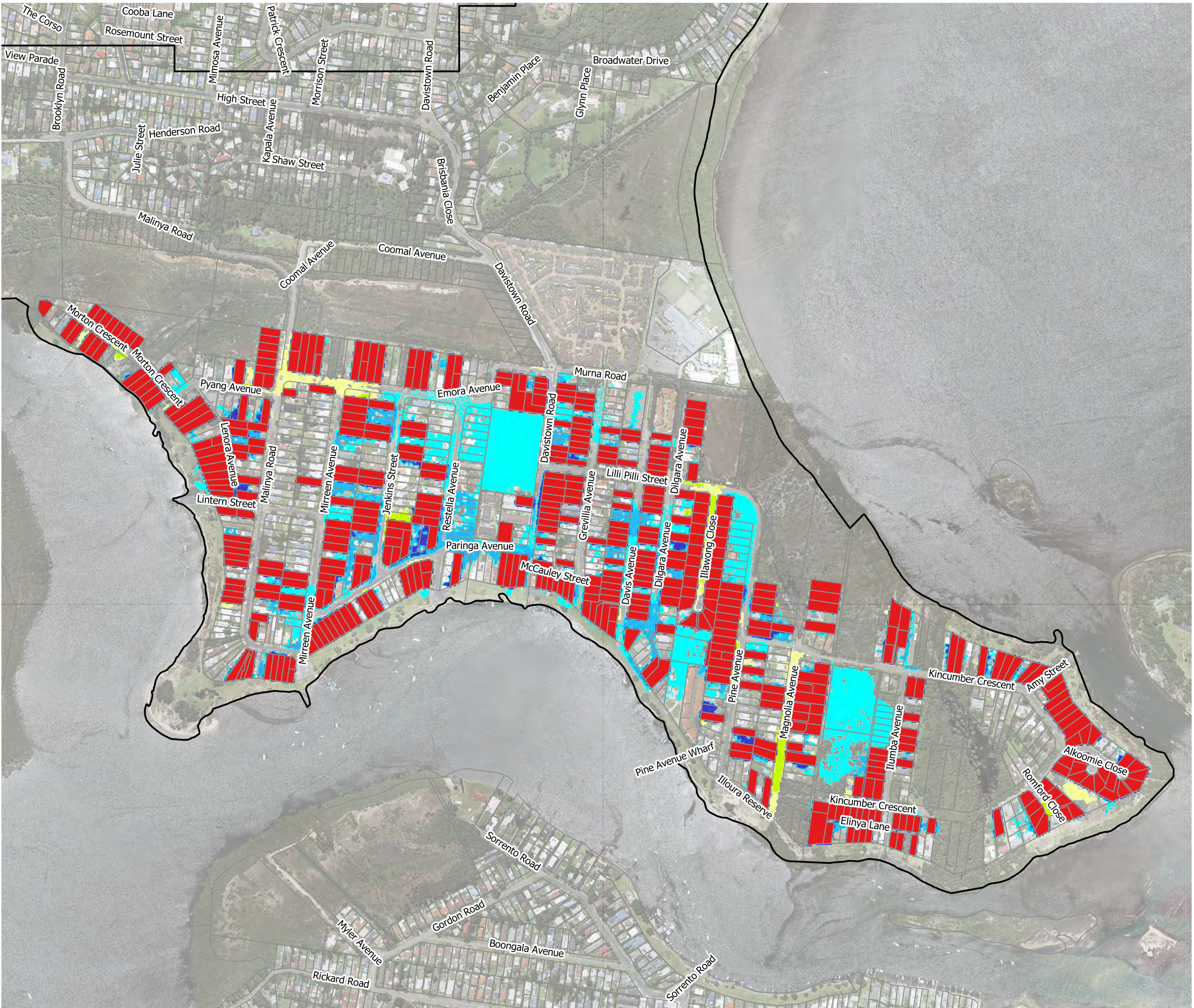
- Model Area
- Cadastre
- Infrastructure Locations
- 1% AEP Depth
 - 0.10 - 0.2
 - 0.2 - 0.3
 - 0.3 - 0.4
 - 0.4 - 0.5
 - 0.5 - 0.75
 - 0.75 - 1
 - 1 - 1.2
 - > 1.2



Scale : 1:12000@A3
Date : December 2019
Revision : A
Created by : JS
Coordinate System : MGA 56

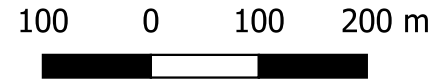


Peak Overtopping Depths / Duration			
ID	Location	20% AEP	1% AEP
EB-01	Gordon Road	0.2m / 3.5hr	0.3m / 4hr
EB-02	Boongala Avenue	0.5m / 4+hr	0.6m / 4+hr
EB-03	Sorrento Road	0.1m / 3hr	0.2m / 4hr
EB-04	Shelly Beach Road	0.1m / 1.5hr	0.2m / 2.5hr
EB-05	Rickard Road	0.4m / 4+hr	0.5m / 4+hr
EB-06	Greenfield Road	0.4m / 4+hr	0.5m / 4+hr
EB-07	Rosella Road	-	0.1m / 0.5hr
EB-08	Palmers Lane	0.3m / 3hr	0.5m / 3.5+hr
EB-09	Empire Bay Drive	0.2m / 1hr	0.3m / 1.5hr
EB-10	Pomona Road (1)	0.2m / 1hr	0.3m / 2hr
EB-11	Pomona Road (2)	0.3m / 1.5hr	0.4m / 2hr
EB-12	Pomona Road (3)	0.2m / 0.5hr	0.2m / 1hr



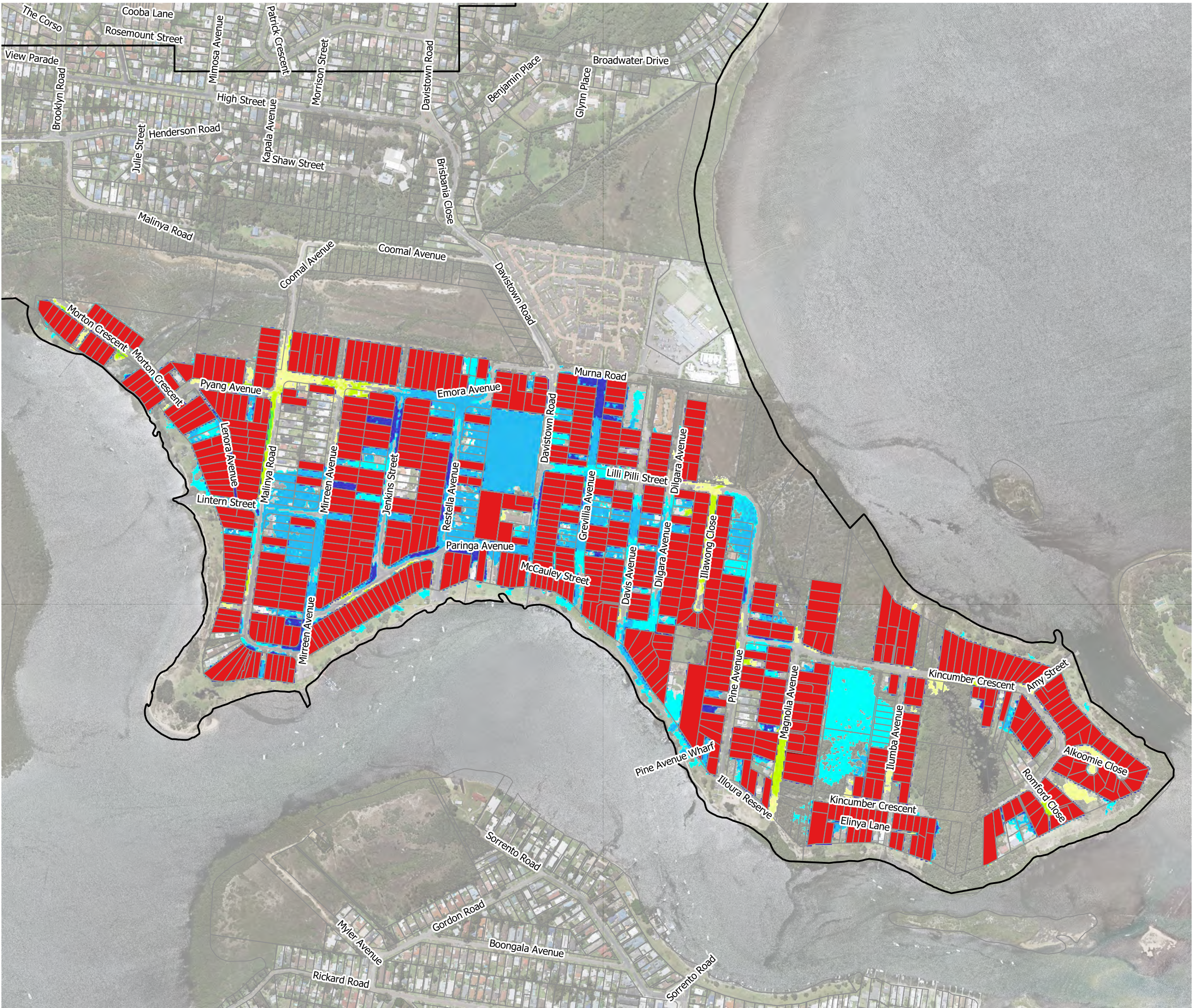
Map G160
Filling Impacts
Davistown - 1% AEP
Scenario 1

- Legend**
- Cadastre
 - Study Area
 - Properties with Ground Raised
 - Impact on Existing Flood Levels (m)
 - ≤ -0.2
 - 0.2 - -0.05
 - 0.05 - -0.02
 - 0.02 - -0.01
 - 0.01 - 0.02
 - 0.02 - 0.05
 - 0.05 - 0.2
 - > 0.2



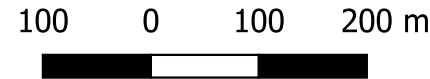
Scale : 1:7000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map Grid of Australia 94





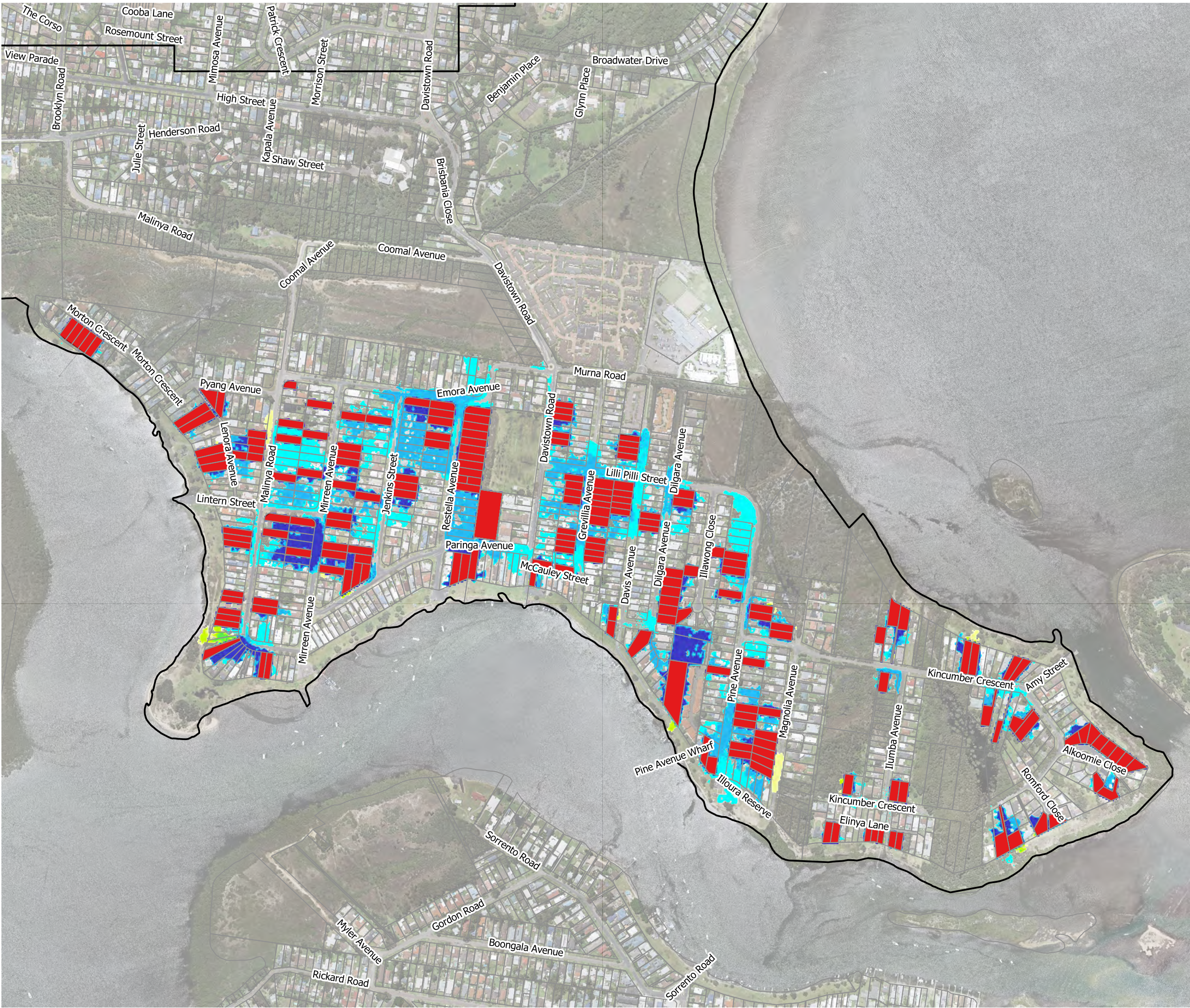
Map G161
Filling Impacts
Davistown - 1% AEP
Scenario 2

- Legend**
- Cadastre
 - Study Area
 - Properties with Ground Raised
 - Impact on Existing Flood Levels (m)
 - ≤ -0.2
 - 0.2 - -0.05
 - 0.05 - -0.02
 - 0.02 - -0.01
 - 0.01 - 0.02
 - 0.02 - 0.05
 - 0.05 - 0.2
 - > 0.2



Scale : 1:7000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map Grid of Australia 94

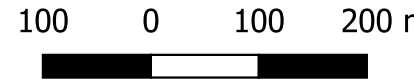




Map G162
Filling Impacts
Davistown - 1% AEP
Scenario 3

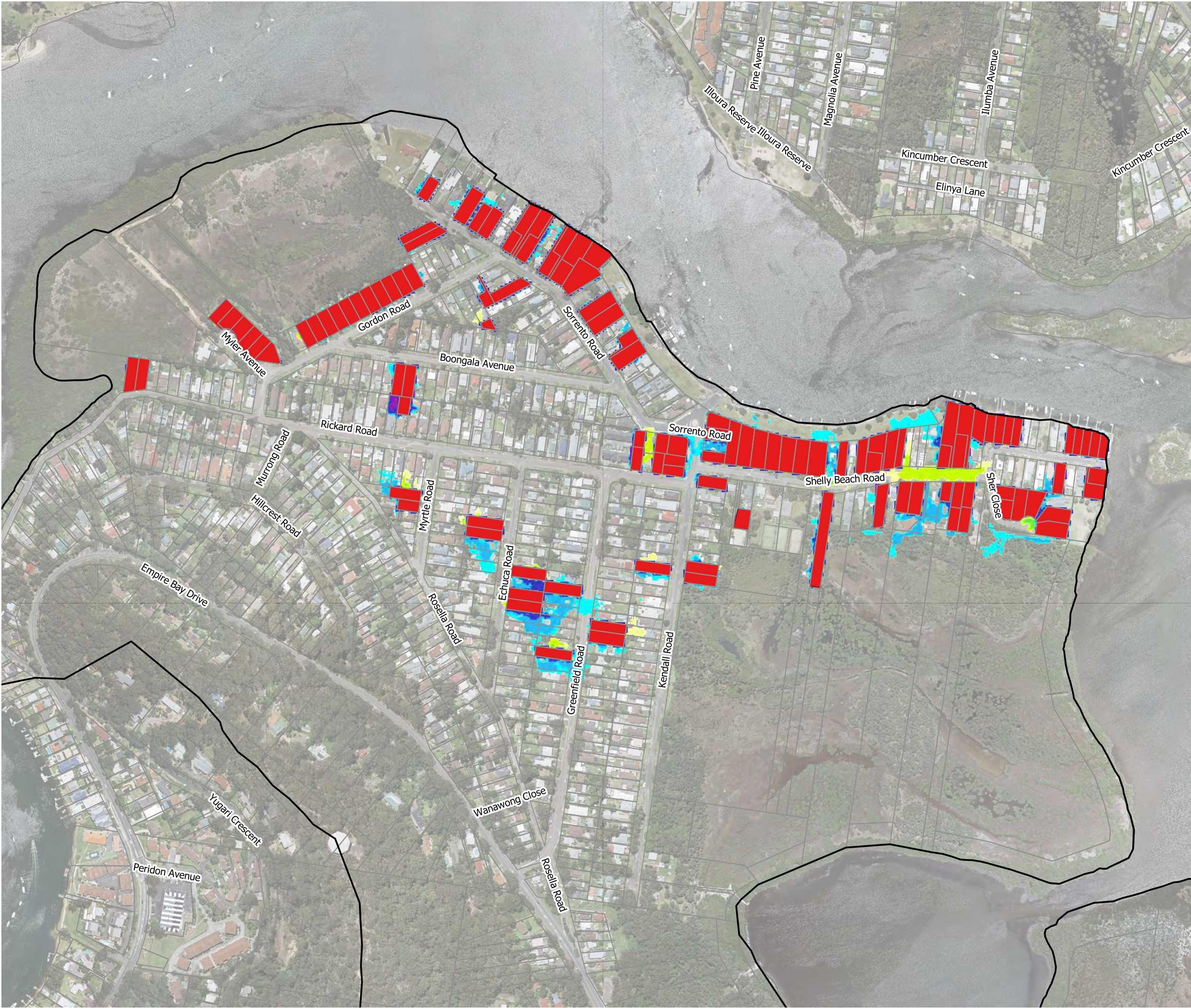
Legend

- Cadastre
- Study Area
- Properties with Ground Raised
- Impact on Existing Flood Levels (m)
 - ≤ -0.2
 - $-0.2 - -0.05$
 - $-0.05 - -0.02$
 - $-0.02 - -0.01$
 - $0.01 - 0.02$
 - $0.02 - 0.05$
 - $0.05 - 0.2$
 - > 0.2



Scale : 1:7000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map Grid of Australia 94

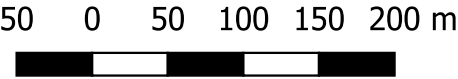




Map G163
Filling Impacts
Empire Bay - 1% AEP
Scenario 1

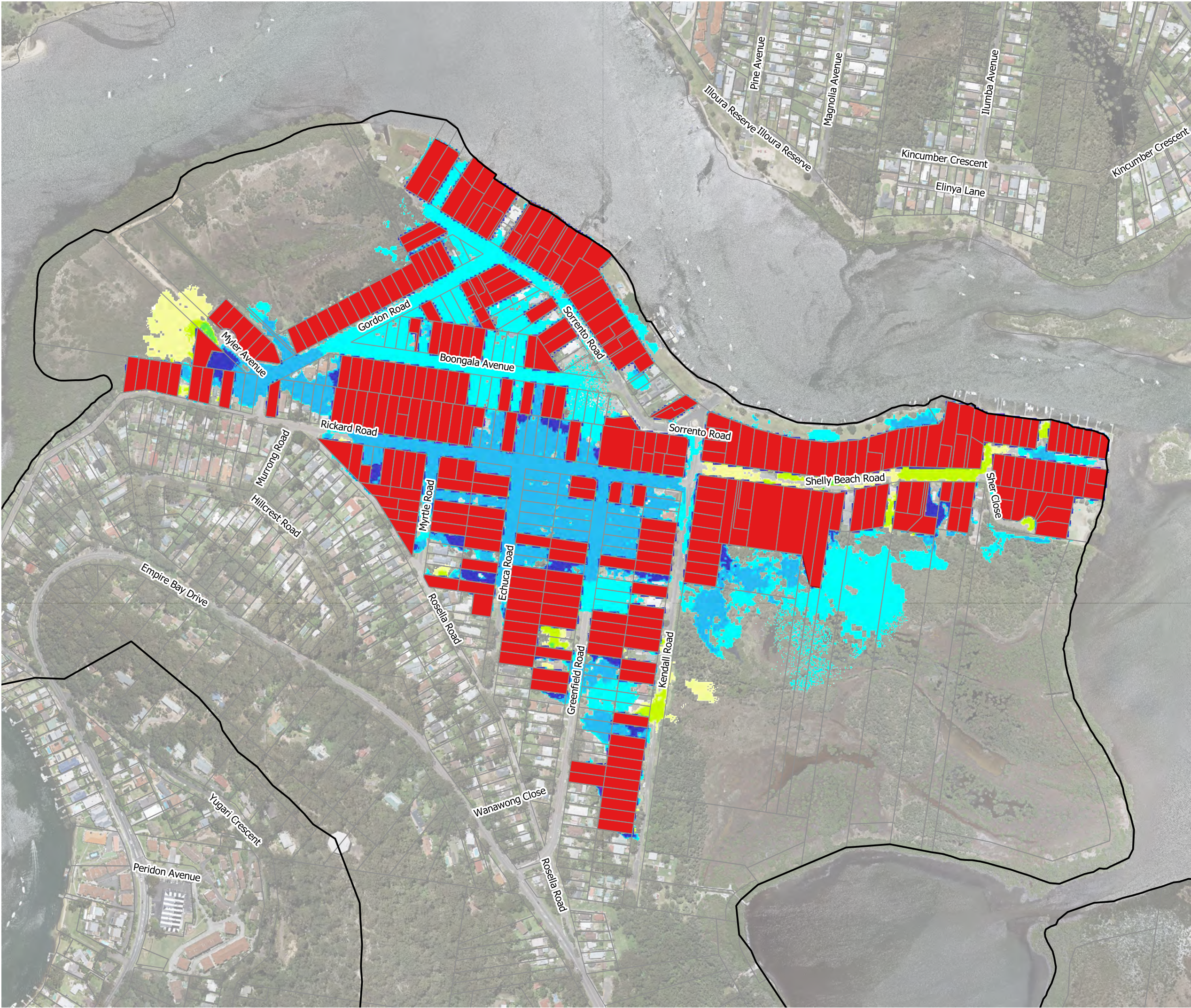
Legend

- DtownEBay-Cadastre-20180525
- EmpireBay_Boundary
- Properties with Ground Raised
- Impact on Existing Flood Levels
 - ≤ -0.2
 - 0.2 - -0.05
 - 0.05 - -0.02
 - 0.02 - -0.01
 - 0.01 - 0.02
 - 0.02 - 0.05
 - 0.05 - 0.2
 - > 0.2



Scale : 1:5000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map of Grid
Australia 94

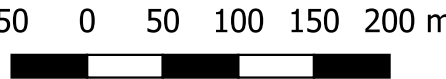




Map G164
Filling Impacts
Empire Bay - 1% AEP
Scenario 2

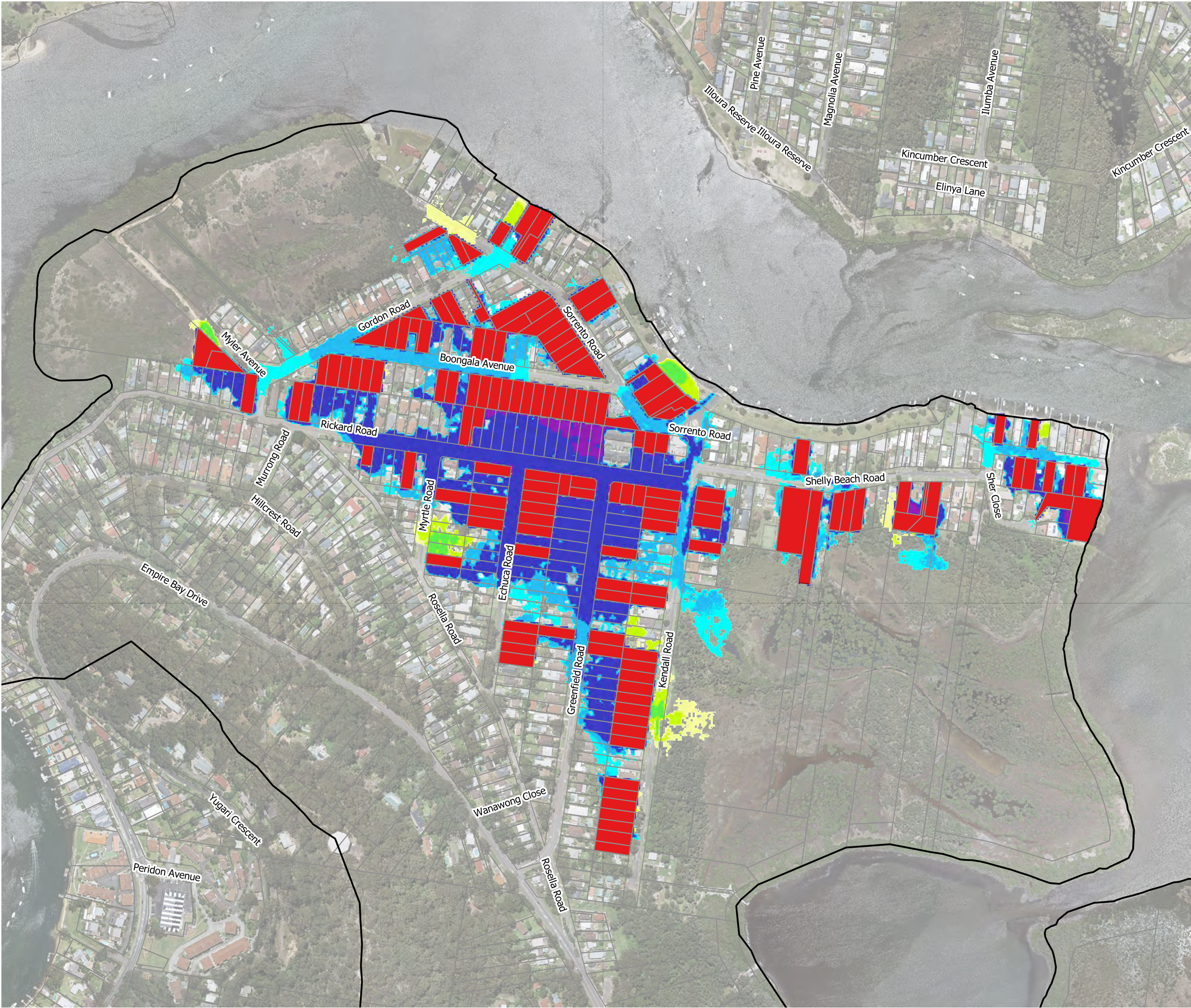
Legend

- DtownEBay-Cadastre-20180525
- EmpireBay_Boundary
- Properties with Ground Raised
- Impact on Existing Flood Levels
 - ≤ -0.2
 - 0.2 - -0.05
 - 0.05 - -0.02
 - 0.02 - -0.01
 - 0.01 - 0.02
 - 0.02 - 0.05
 - 0.05 - 0.2
 - > 0.2



Scale : 1:5000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map of Grid
Australia 94

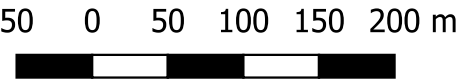




Map G165
Filling Impacts
Empire Bay - 1% AEP
Scenario 3

Legend

- DtownEBay-Cadastre-20180525
- EmpireBay_Boundary
- Properties with Ground Raised
- Impact on Existing Flood Levels
 - ≤ -0.2
 - $-0.2 - -0.05$
 - $-0.05 - -0.02$
 - $-0.02 - -0.01$
 - $0.01 - 0.02$
 - $0.02 - 0.05$
 - $0.05 - 0.2$
 - > 0.2



Scale : 1:5000@A3
Date : 28 May 2020
Revision : A
Created by : JRF
Coordinate System : Map of Grid
Australia 94

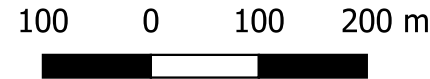




Map G201 Preliminary Options Davistown

Legend

- Option DT1
- Option DT2
- Option DT3
- Option DT4
- Option DT5
- Option DT6
- Cadastre
- Study Area



Scale : 1:7000@A3
Date : 02 June 2020
Revision : B
Created by : JS
Coordinate System : Map Grid of Australia 94

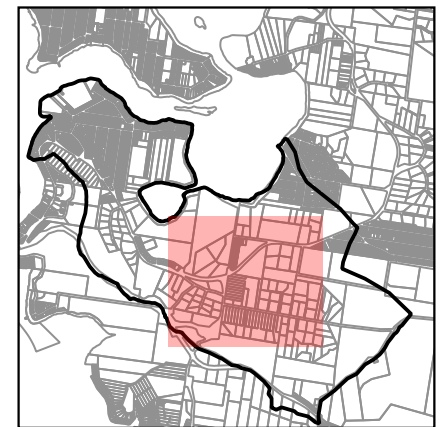




Map G202 Preliminary Options Empire Bay 1

Legend

- Option EB1
- Option EB2 & EB3
- Option EB4
- Option EB5
- Option EB6
- Option EB7
- Cadastre
- Study Area



50 0 50 100 m

Scale : 1:4500@A3
Date : 02 June 2020
Revision : B
Created by : JS
Coordinate System : MGA 56

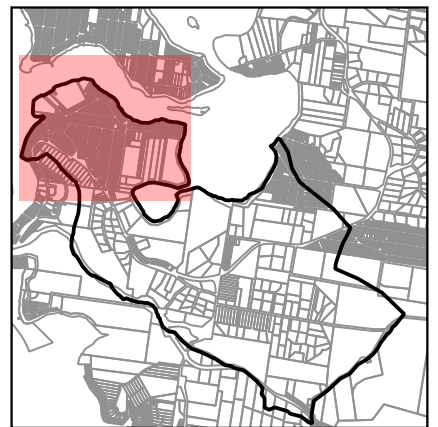




Map G203 Preliminary Options Empire Bay 2

Legend

- Option EB1
- Option EB2 & EB3
- Option EB4
- Option EB5
- Option EB6
- Option EB7
- Cadastre
- Study Area



50 0 50 100 m

Scale : 1:5000@A3
Date : 02 June 2020
Revision : B
Created by : JS
Coordinate System : MGA 56





Map G210 Flood Modification Options

**FM DT1 Foreshore
barrier around
Davistown (excluding
properties east of
Magnolia Ave and the
south of Morton
Crescent)**

**1% AEP Depth
Difference (Option FM
DT1 less Existing)**

Legend

Cadastre

Levee

Shared Path

Roadside Berm

Retaining Wall

One way pipes through
foreshore barrier

Wet/Dry

Was wet, now dry

Was dry, now wet

1% AEP - Depth Difference (m)

<= -0.2

-0.2 - -0.1

-0.1 - -0.05

-0.05 - -0.01

0.01 - 0.05

0.05 - 0.1

0.1 - 0.2

> 0.2

0 100 200 300 m

Scale : 1:7500@A3

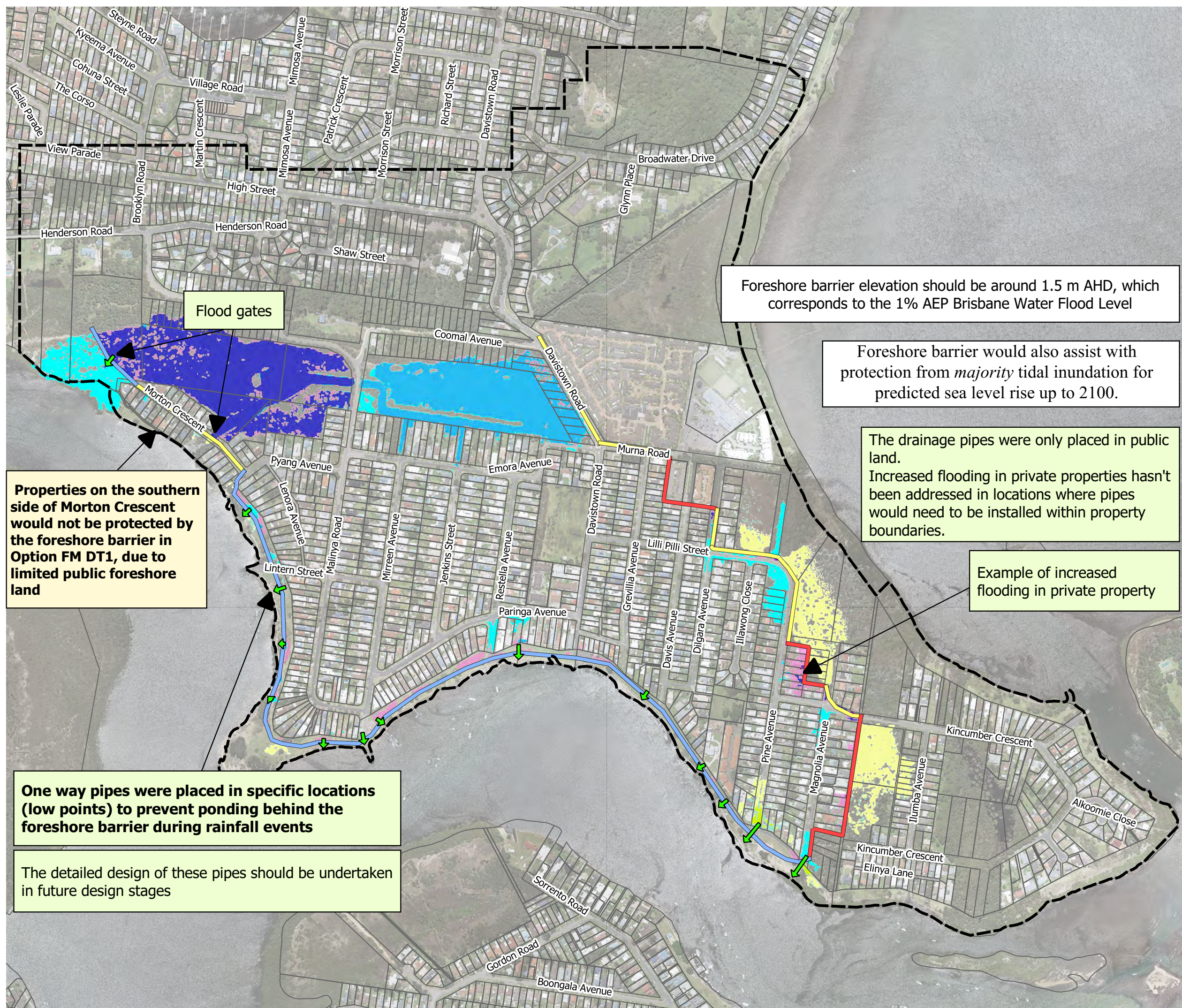
Date : 02 June 2020

Revision : B

Created by : JS

Coordinate System : Map of Grid
Australia 94

R h e l m





Map G211 Flood Modification Options

Option FM DT2 Foreshore barrier around Davistown (including all properties)

1% AEP Depth Difference (Option FM DT2 less Existing)

Legend

- Cadastre
- One way pipes through foreshore barrier

Wet/Dry

- Was wet, now dry
- Was dry, now wet

Levee

- Shared Path
- Roadside Bund
- Retaining Wall

1% AEP - Depth Difference (m)

- ≤ -0.2
- $-0.2 - -0.1$
- $-0.1 - -0.05$
- $-0.05 - -0.01$
- $0.01 - 0.05$
- $0.05 - 0.1$
- $0.1 - 0.2$
- > 0.2

0 100 200 300 m

Scale : 1:7500@A3

Date : 02 June 2020

Revision : B

Created by : JS

Coordinate System : Map of Grid
Australia 94

