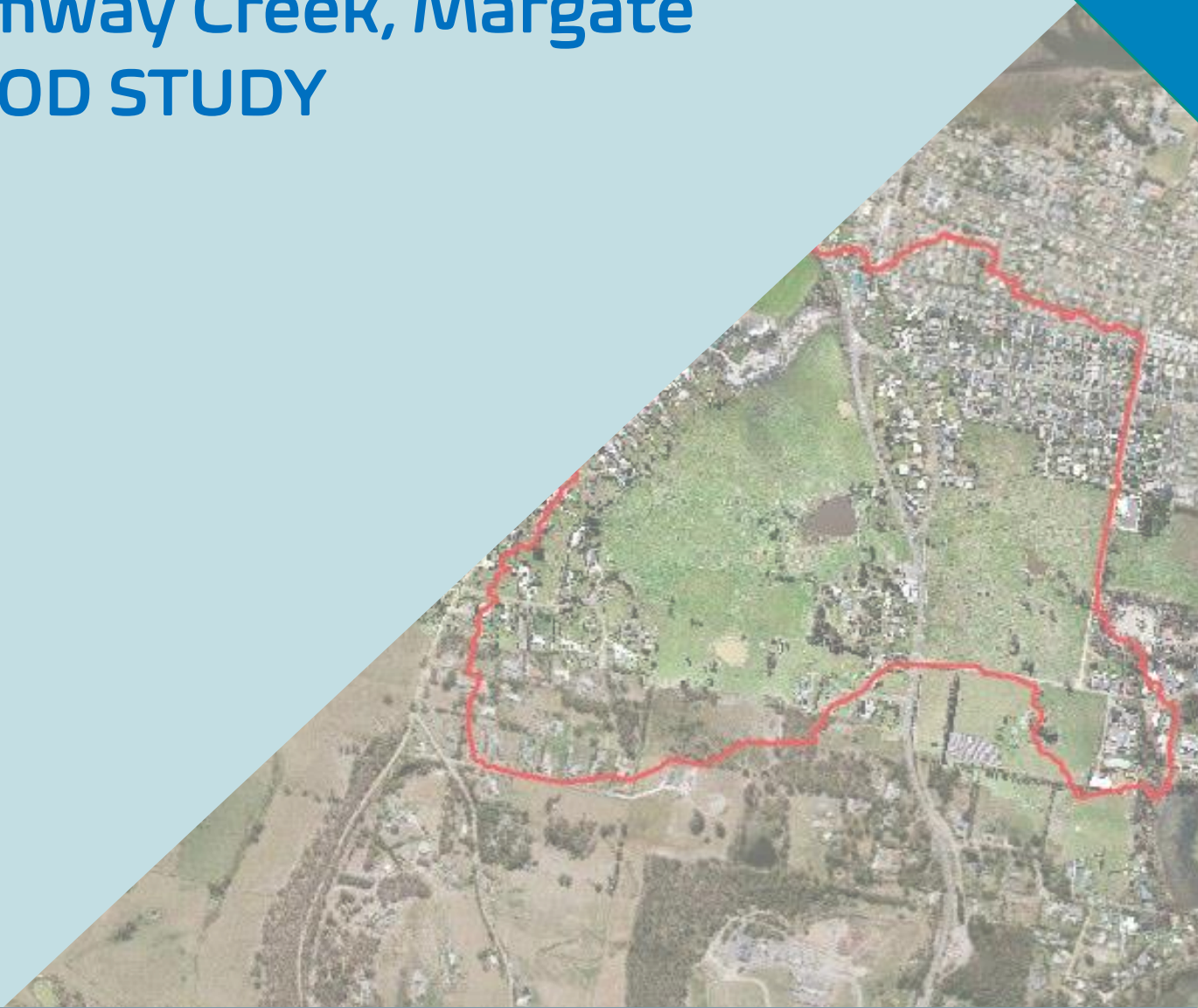


10 January 2023
FS_HOB_2268

Tramway Creek, Margate FLOOD STUDY



Prepared for: Kingborough Council

flüssig
ENGINEERS

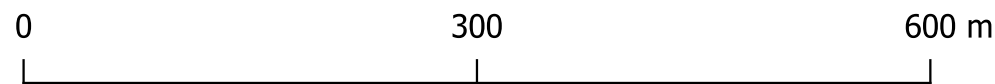
Level 4 - 116 Bathurst Street
HOBART TASMANIA 7000

ABN 16 639 276 181

Figure A1



Title: Existing Conditions 0.5% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Black
> 1.20	Dark blue

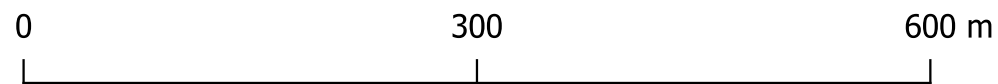


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Figure A2



Title: Existing Conditions 0.5% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

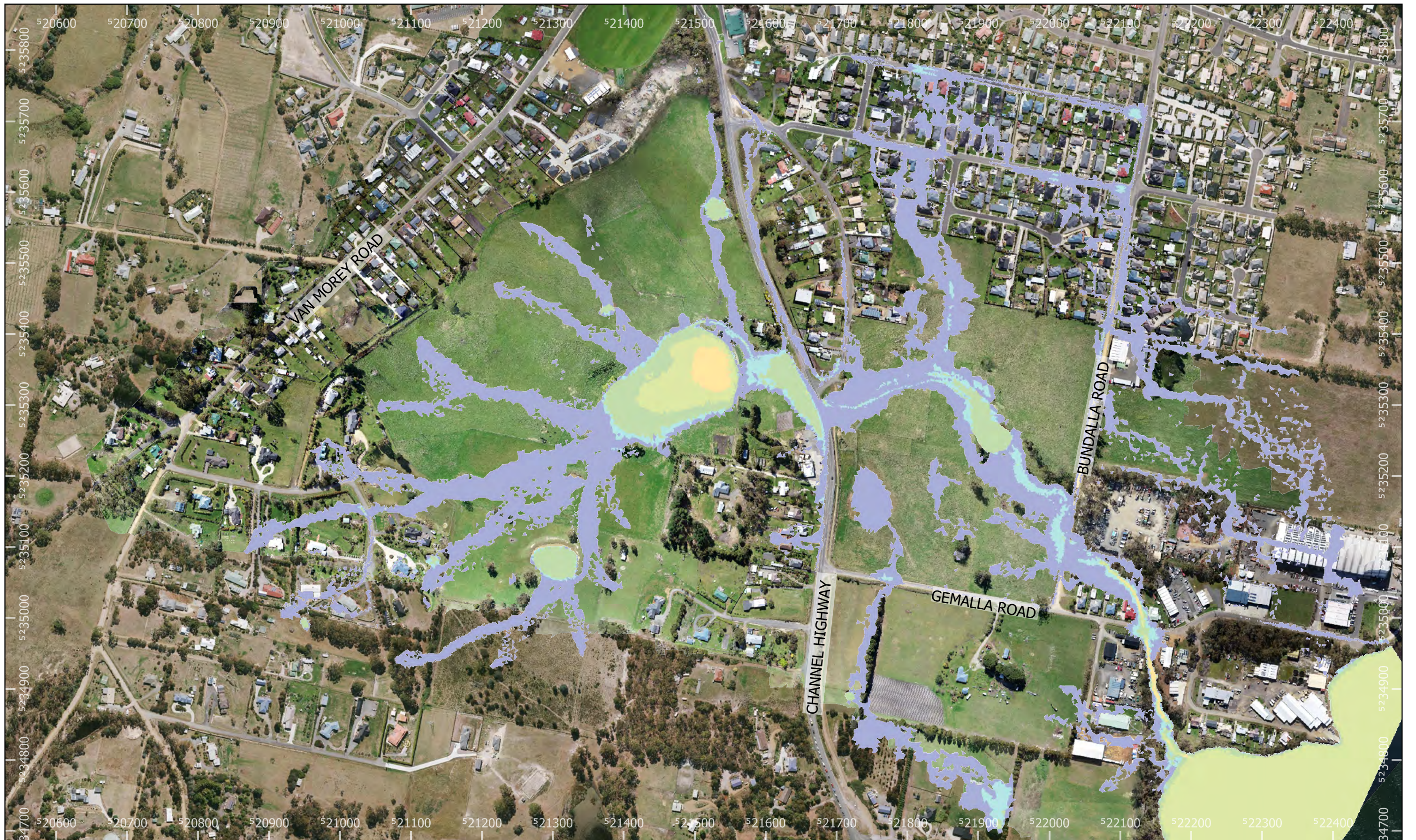
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

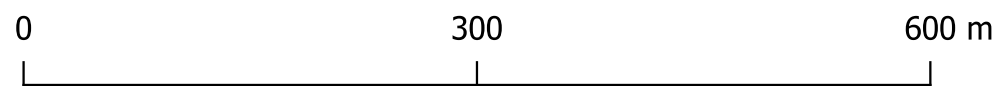


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Figure A3



Title: Existing Conditions 0.5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- Hazard H4
- H1 H5
- H2 H6
- H3

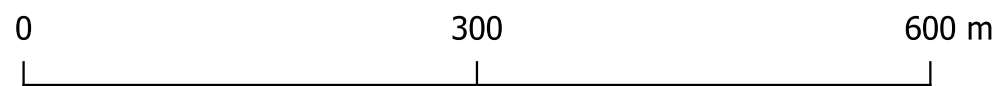


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Figure A4



Title: Existing Conditions 0.5% AEP Levels (mAHD)	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Dark Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

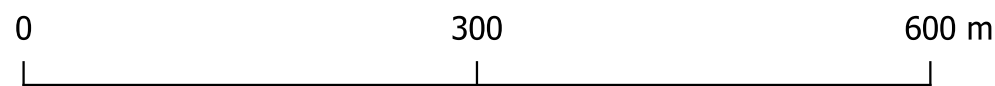


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Figure A5



Title: Existing Conditions 1% AEP Depth (m)	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Black
> 1.20	Dark Blue

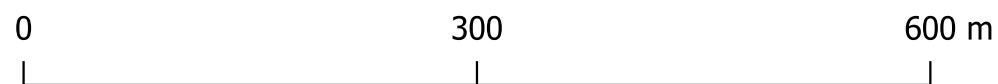


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Figure A6



Title: Existing Conditions 1% AEP Velocity (m/s)	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

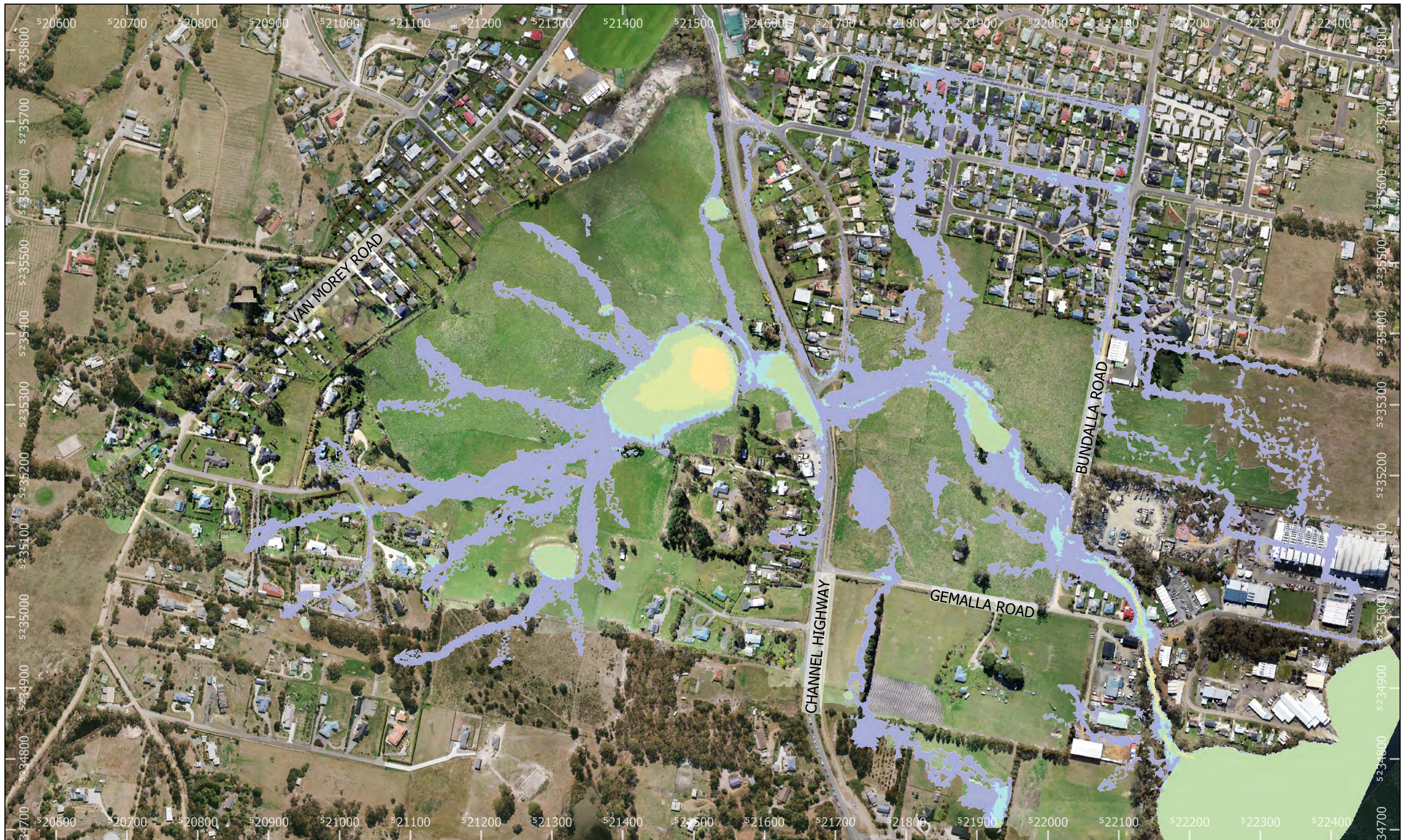
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Light Orange
1.50 - 1.80	Orange-Red
1.80 - 2.20	Red
> 2.20	Dark Red

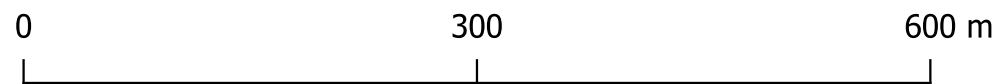


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Figure A7



Title: Existing Conditions 1% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- Hazard H4
- H1 H5
- H2 H6
- H3

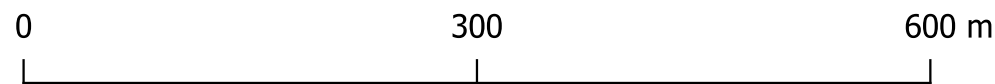


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Figure A8



Title: Existing Conditions 1% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Dark Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

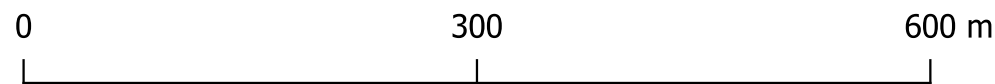


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Figure A9



Title: Existing Conditions 5% AEP Depth (m)	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	White
0.05 - 0.10	Lightest Blue
0.10 - 0.30	Light Blue
0.30 - 0.60	Medium Light Blue
0.60 - 0.90	Medium Blue
0.90 - 1.20	Dark Blue
> 1.20	Very Dark Blue

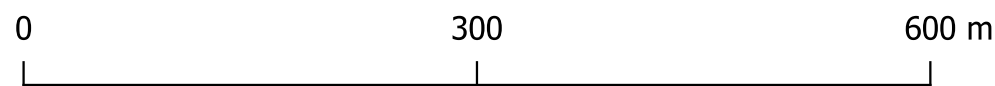


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Figure A10



Title: Existing Conditions 5% AEP Velocity (m/s)	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

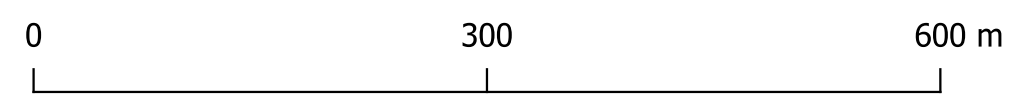


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Figure A11



Title: Existing Conditions 5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Hazard		H4
		H5
		H2
		H3
		H6
		H1

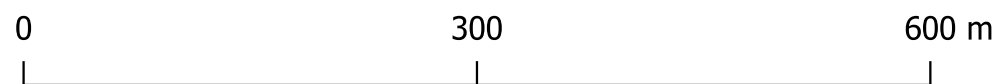


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Figure A12



Title: Existing Conditions 5% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	
■ <= 5.00	■ 30.00 - 40.00
■ 5.00 - 10.00	■ 40.00 - 50.00
■ 10.00 - 20.00	■ 50.00 - 60.00
■ 20.00 - 30.00	■ > 60.00

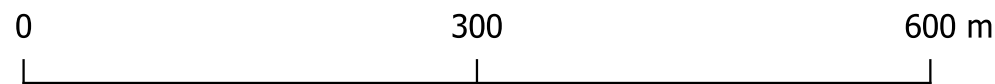


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Figure A13



Title: Existing Conditions 0.5% AEP + CC @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

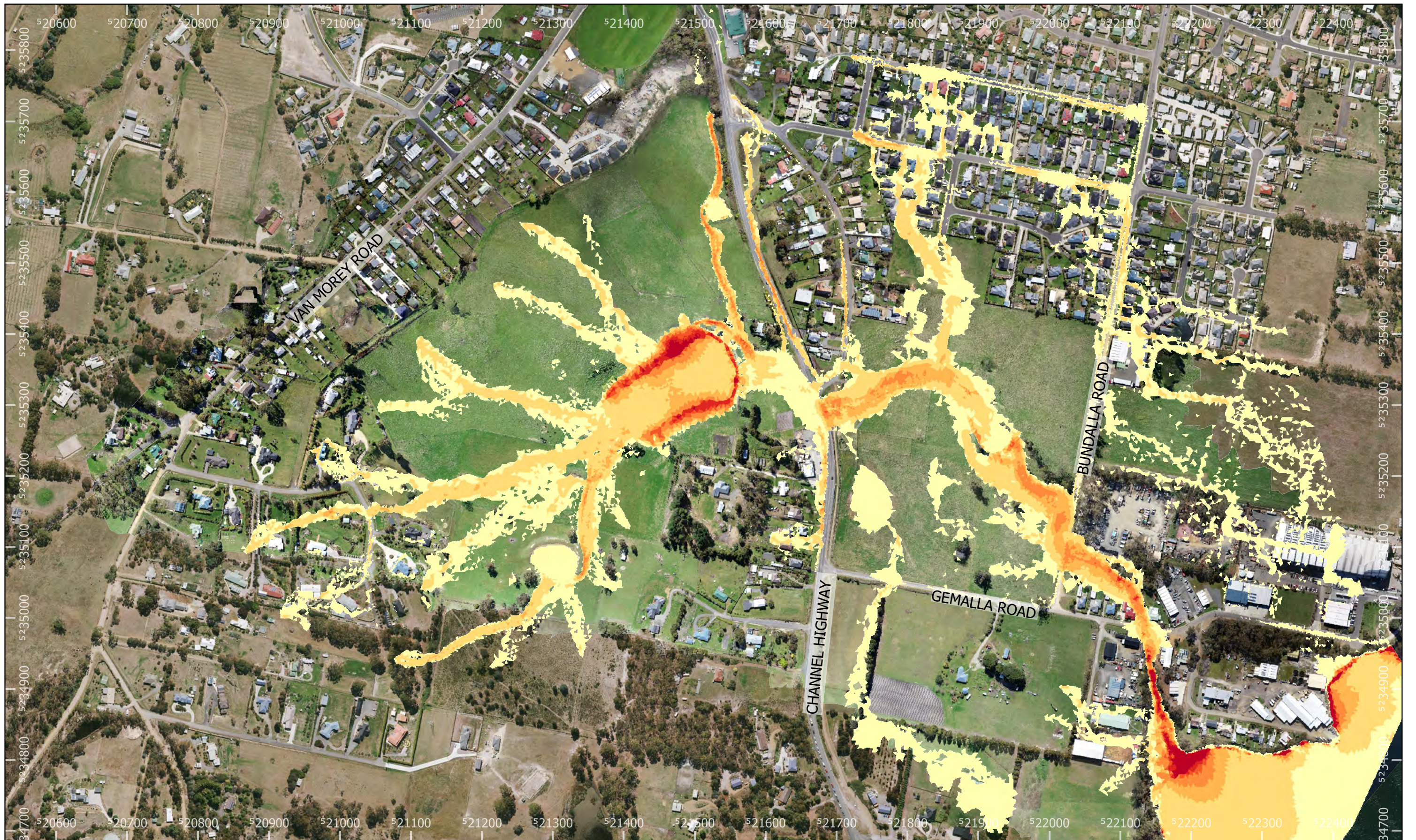
Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Black
> 1.20	Dark Blue

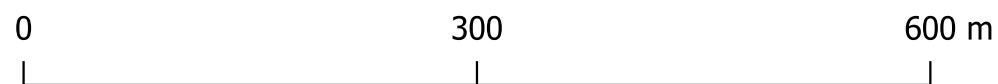


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Figure A14



Title: Existing Conditions 0.5% AEP + CC @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

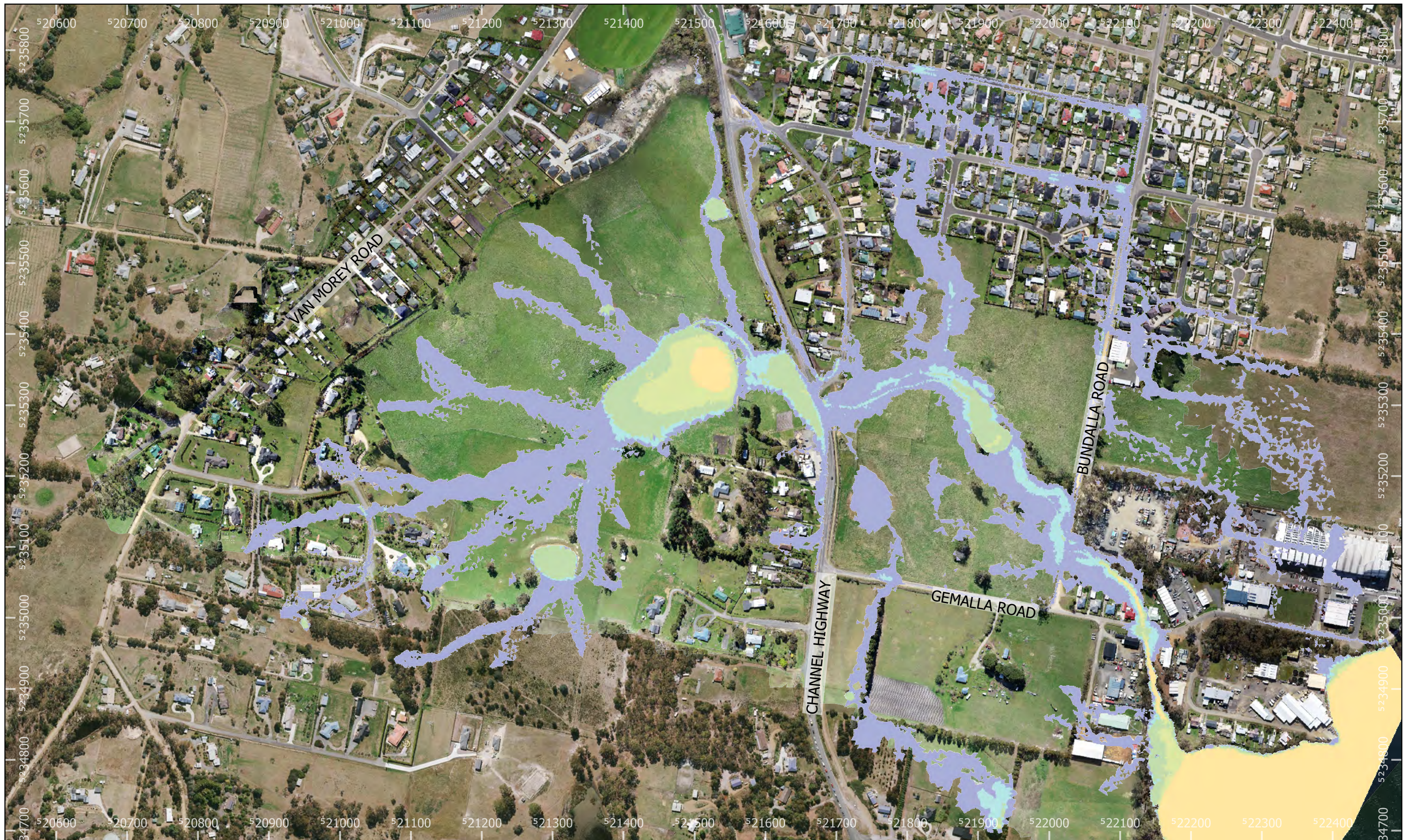
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

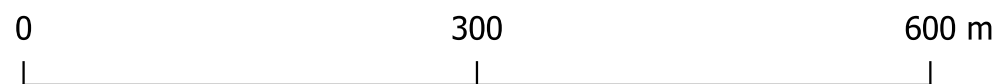


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Figure A15



Title: Existing Conditions 0.5% AEP + CC @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Hazard	H4
H1	H5
H2	H6
H3	

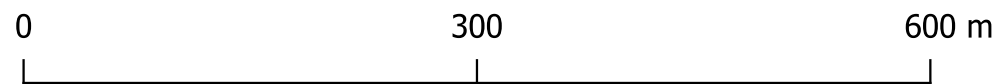


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Figure A16



Title: Existing Conditions 0.5% AEP + CC @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Dark Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

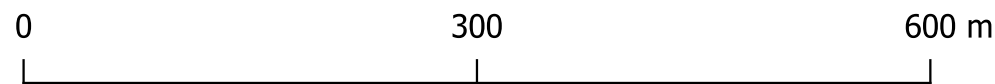


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Figure A17



Title: Existing Conditions 1% AEP + CC @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Black
> 1.20	Black

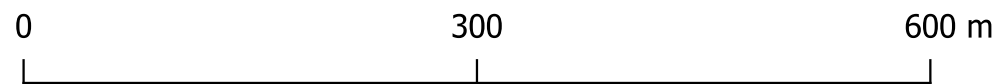


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Figure A18



Title: Existing Conditions 1% AEP + CC @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

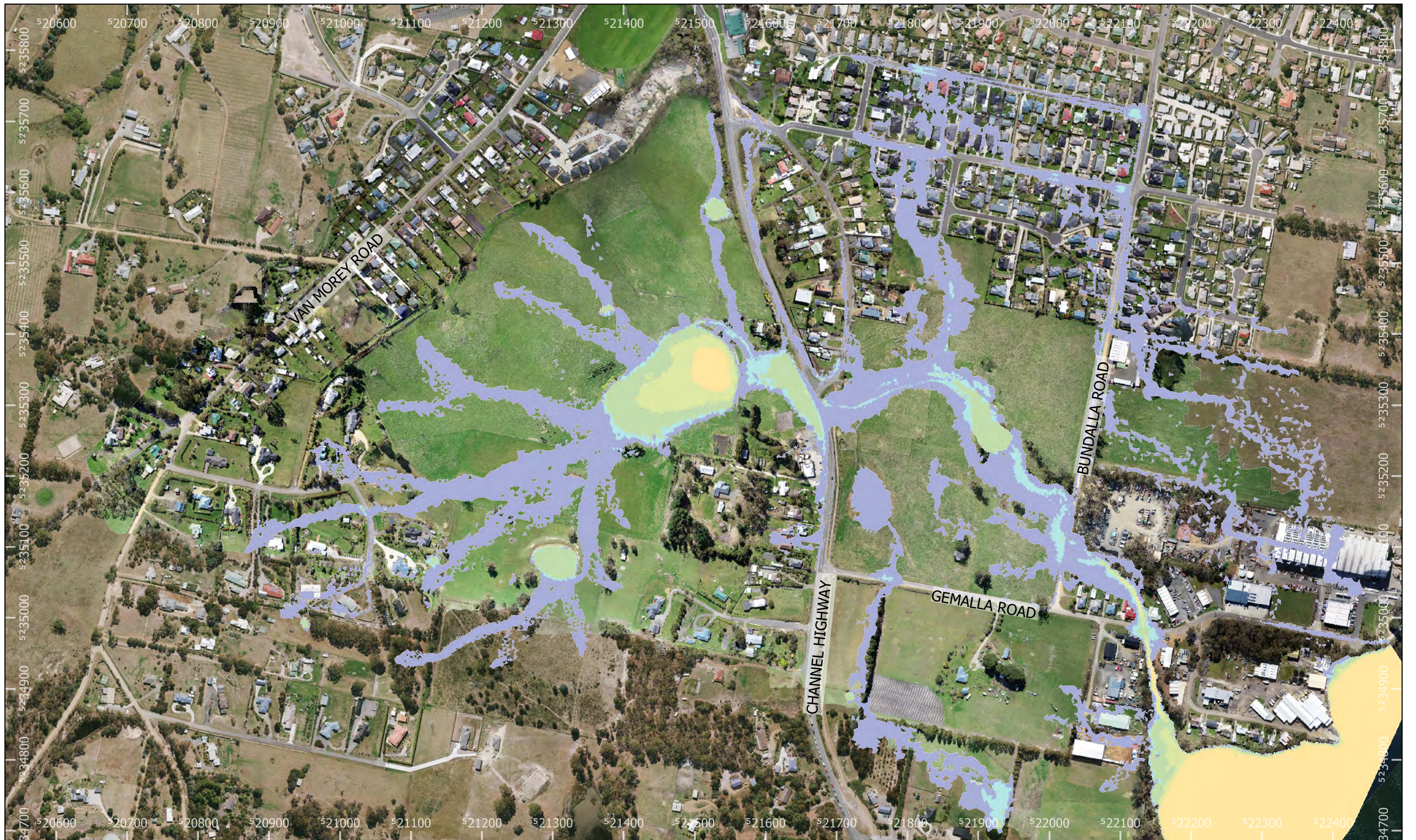
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

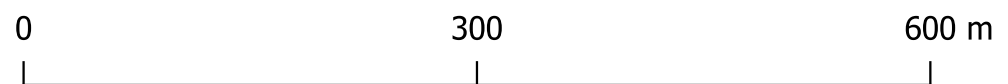


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Figure A19



Title: Existing Conditions 1% AEP + CC @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- Hazard H4
- H1 H5
- H2 H6
- H3

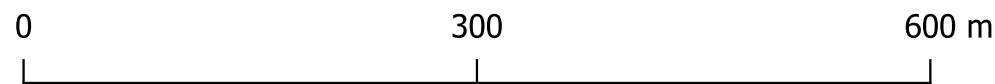


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Figure A20



Title: Existing Conditions 1% AEP + CC @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Light Blue
5.00 - 10.00	Medium Blue
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

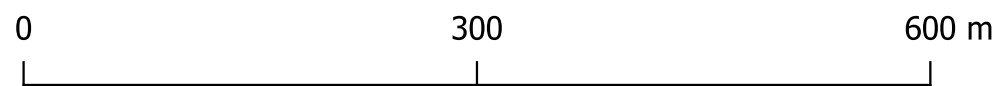


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Figure A21



Title: Existing Conditions 5% AEP + CC @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	White
0.05 - 0.10	Lightest Blue
0.10 - 0.30	Light Blue
0.30 - 0.60	Medium Light Blue
0.60 - 0.90	Medium Blue
0.90 - 1.20	Dark Blue
> 1.20	Very Dark Blue

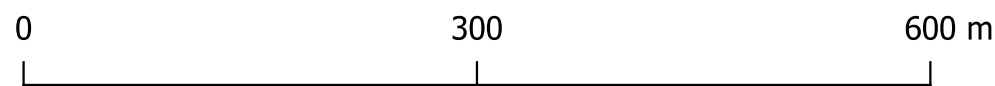


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Figure A22



Title: Existing Conditions 5% AEP + CC @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

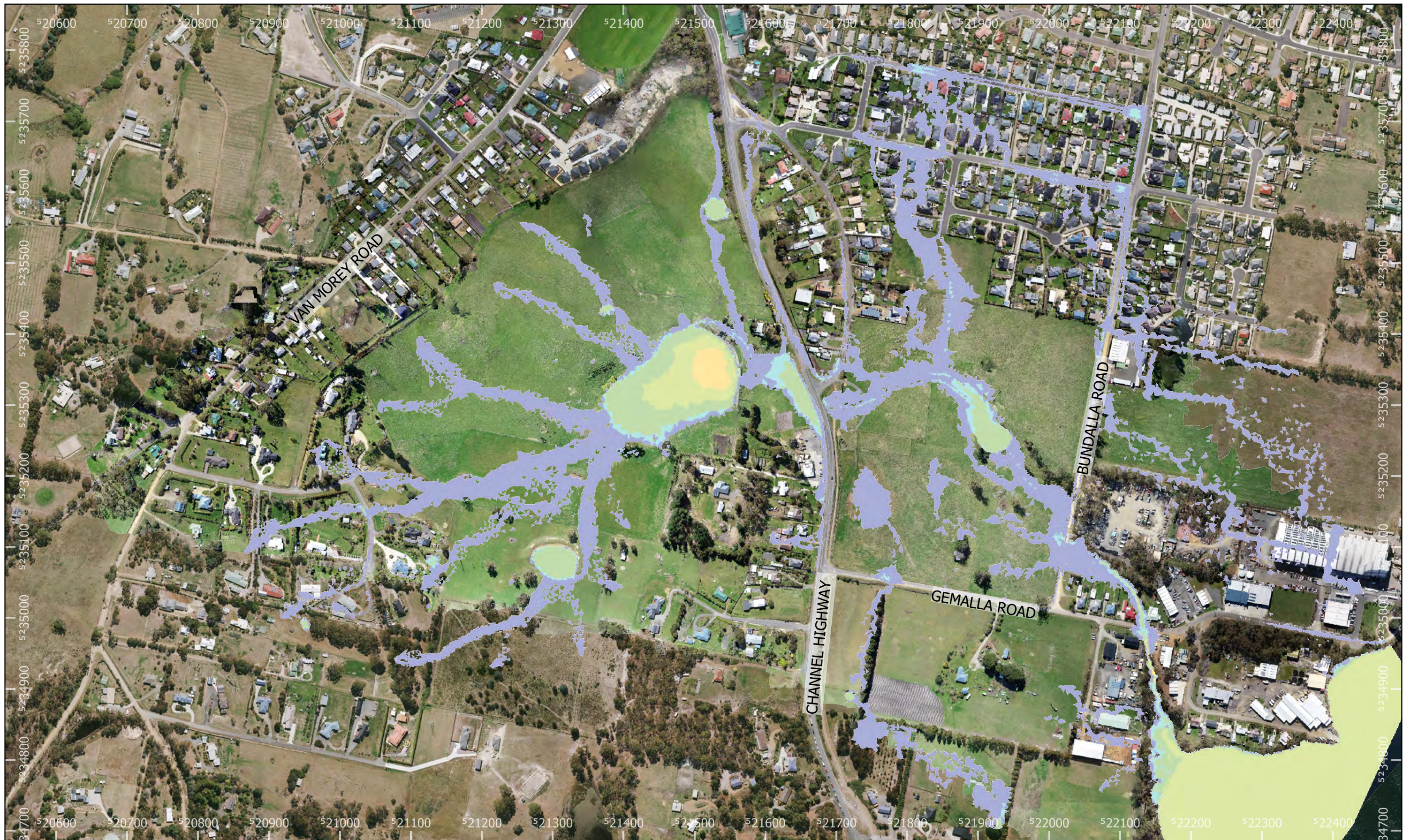
Legend

Velocity (m/s)	Color	Velocity (m/s)	Color
<= 0.30	Light Yellow	1.00 - 1.50	Orange
0.30 - 0.70	Yellow	1.50 - 1.80	Red-Orange
0.70 - 1.00	Orange	1.80 - 2.20	Red
		> 2.20	Dark Red

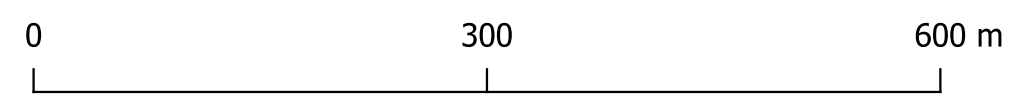


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Figure A23



Title: Existing Conditions 5% AEP + CC @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Hazard	H4
H1	H5
H2	H6
H3	

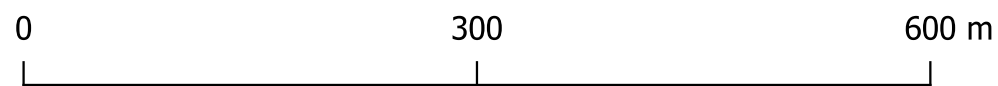


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Figure A24



Title: Existing Conditions 5% AEP + CC @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

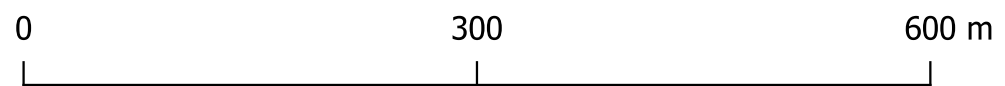


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Figure A25



Title: Dams Removed 0.5% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Dark Navy Blue
> 1.20	Black

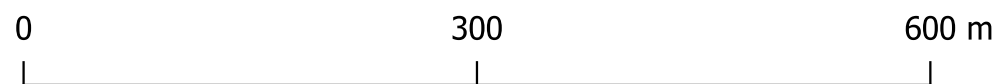


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Figure A26



Title: Dams Removed 0.5% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

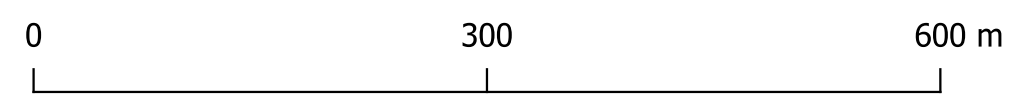


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Figure A27



Title: Dams Removed 0.5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Hazard	H4
H1	H5
H2	H6
H3	

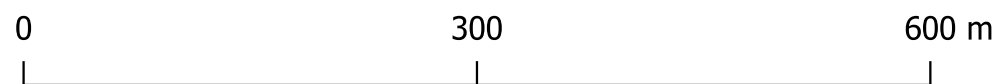


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Figure A28



Title: Dams Removed 0.5% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Dark Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

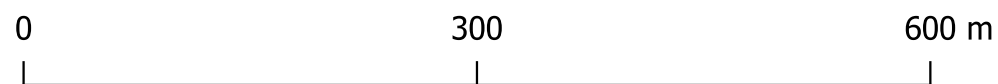


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Figure A29



Title: Dams Removed 1% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Black
> 1.20	Dark Blue

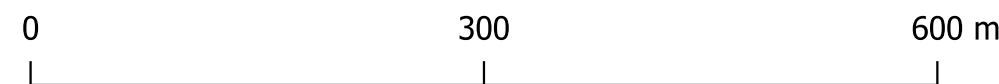


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Figure A30



Title: Dams Removed 1% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

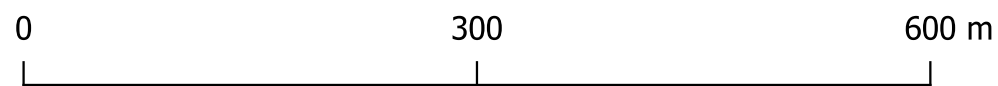


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Figure A31



Title: Dams Removed 1% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

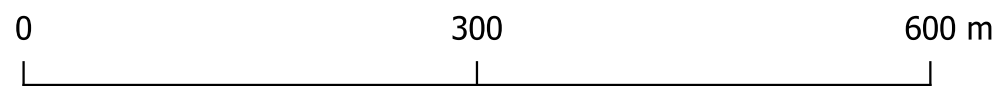


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Figure A32



Title: Dams Removed 1% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Light Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

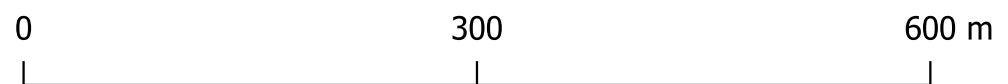


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Figure A33



Title: Dams Removed 5% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Black
> 1.20	Dark Blue

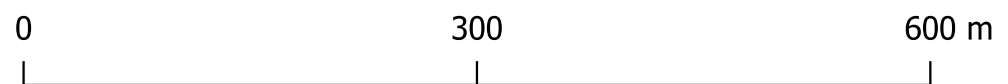


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Figure A34



Title: Dams Removed 5% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

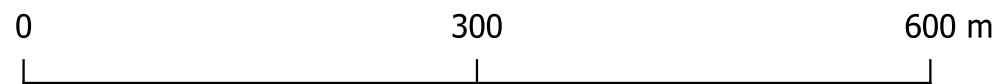


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Figure A35



Title: Dams Removed 5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

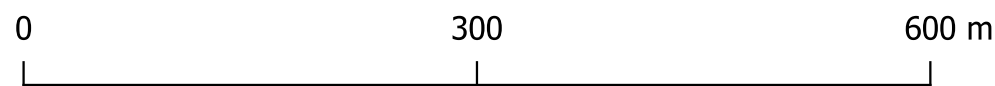


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Figure A36



Title: Dams Removed 5% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	30.00 - 40.00
≤ 5.00	40.00 - 50.00
5.00 - 10.00	50.00 - 60.00
10.00 - 20.00	> 60.00
20.00 - 30.00	

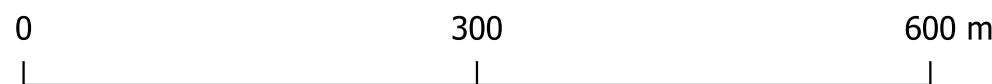


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Figure A37



Title: Fully Developed 0.5% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

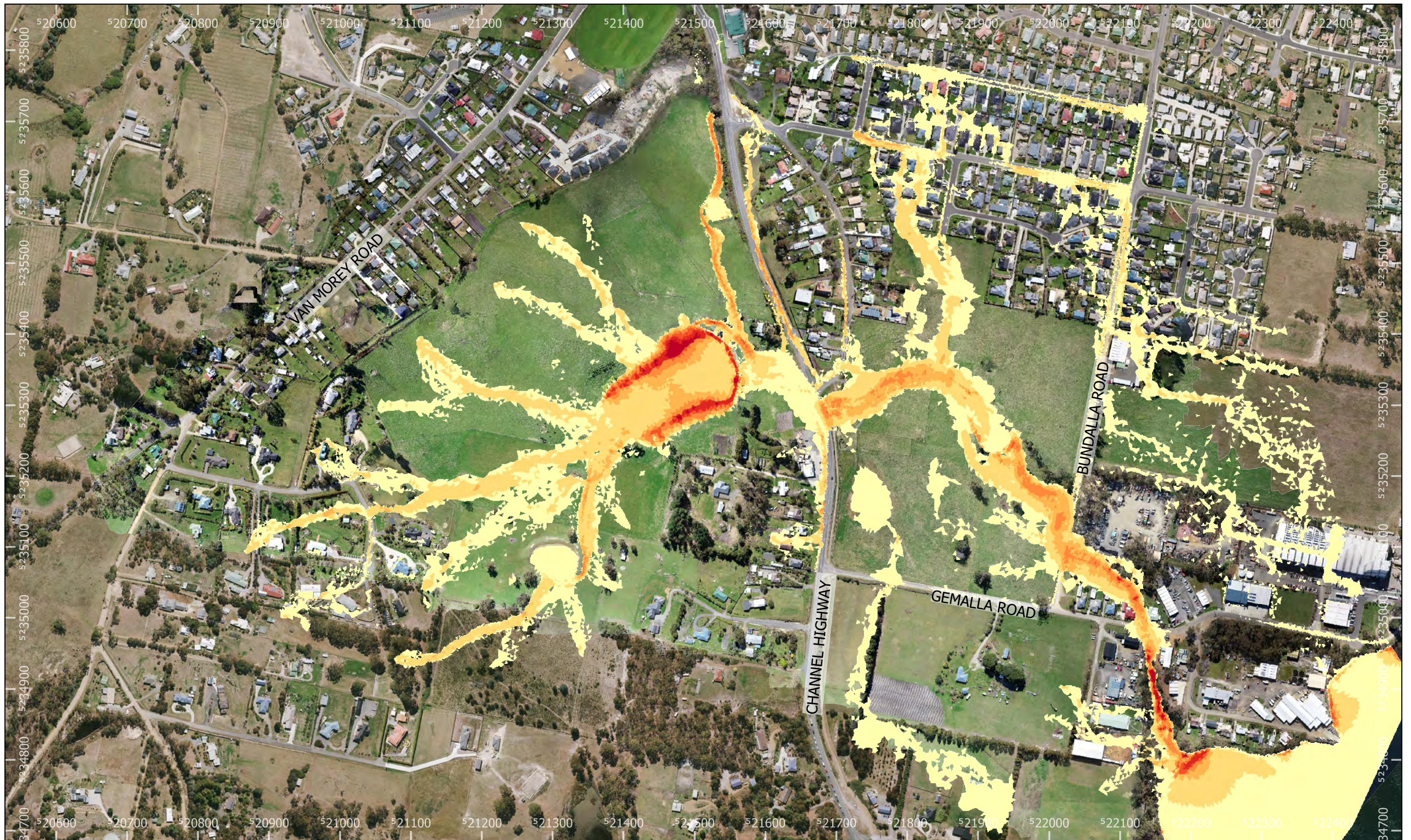
Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Dark Blue
> 1.20	Darkest Blue

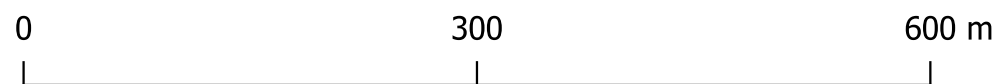


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Figure A38



Title: Fully Developed 0.5% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

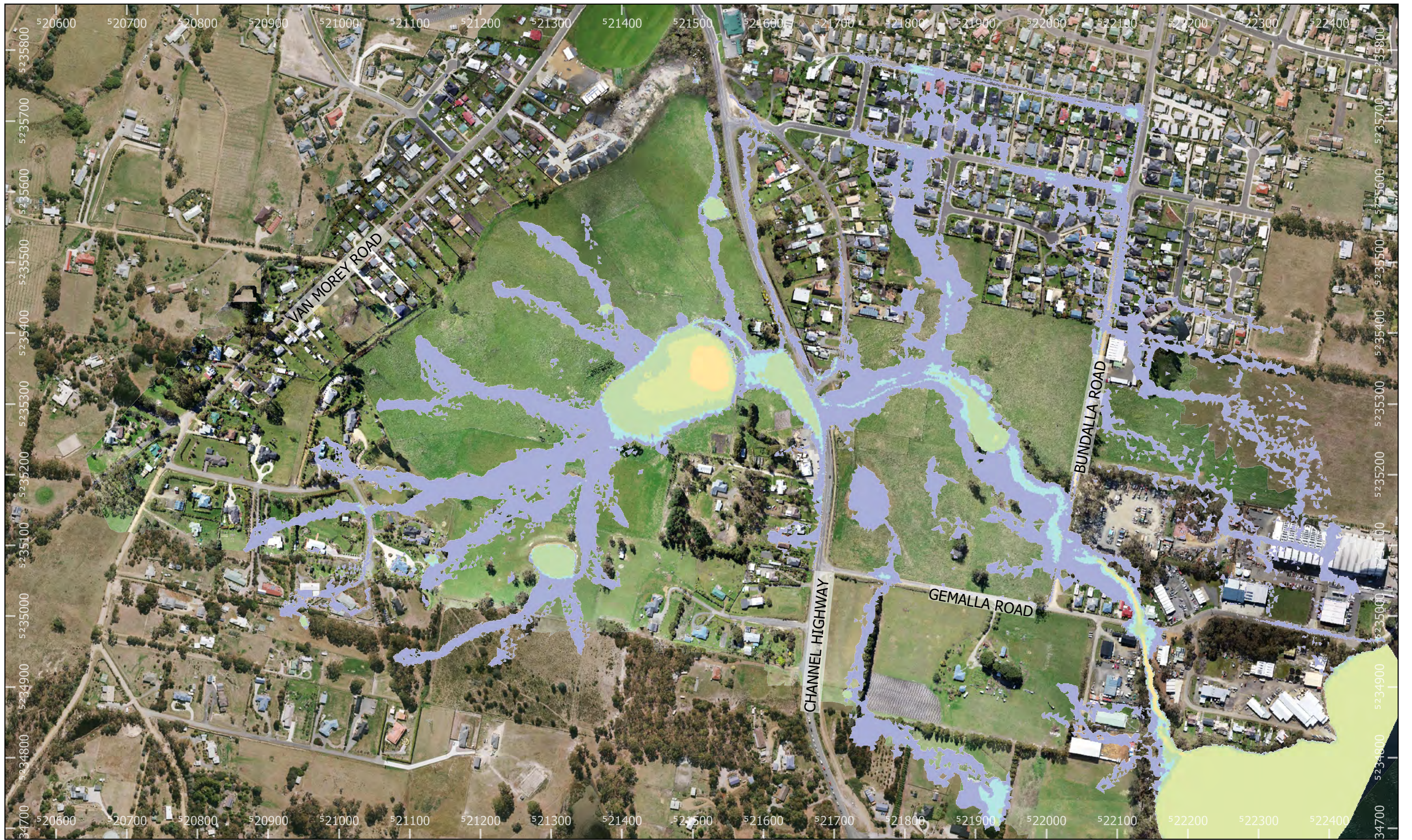
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

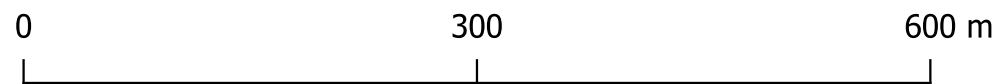


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Figure A39



Title: Fully Developed 0.5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

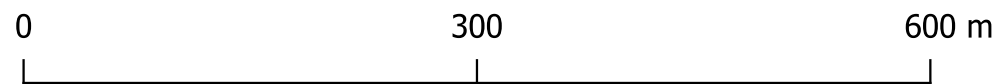


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Figure A40



Title: Fully Developed 0.5% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Dark Blue
5.00 - 10.00	Light Blue
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Red-Orange
50.00 - 60.00	Red
> 60.00	Dark Red

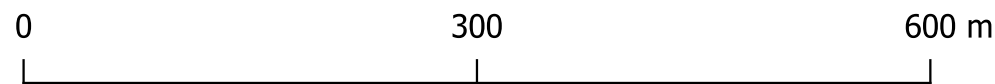


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Figure A41



Title: Fully Developed 1% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Dark blue
> 1.20	Black

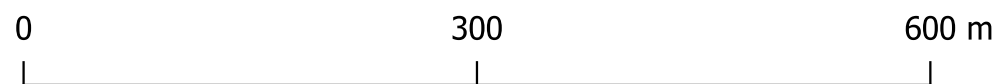


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Figure A42



Title: Fully Developed 1% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

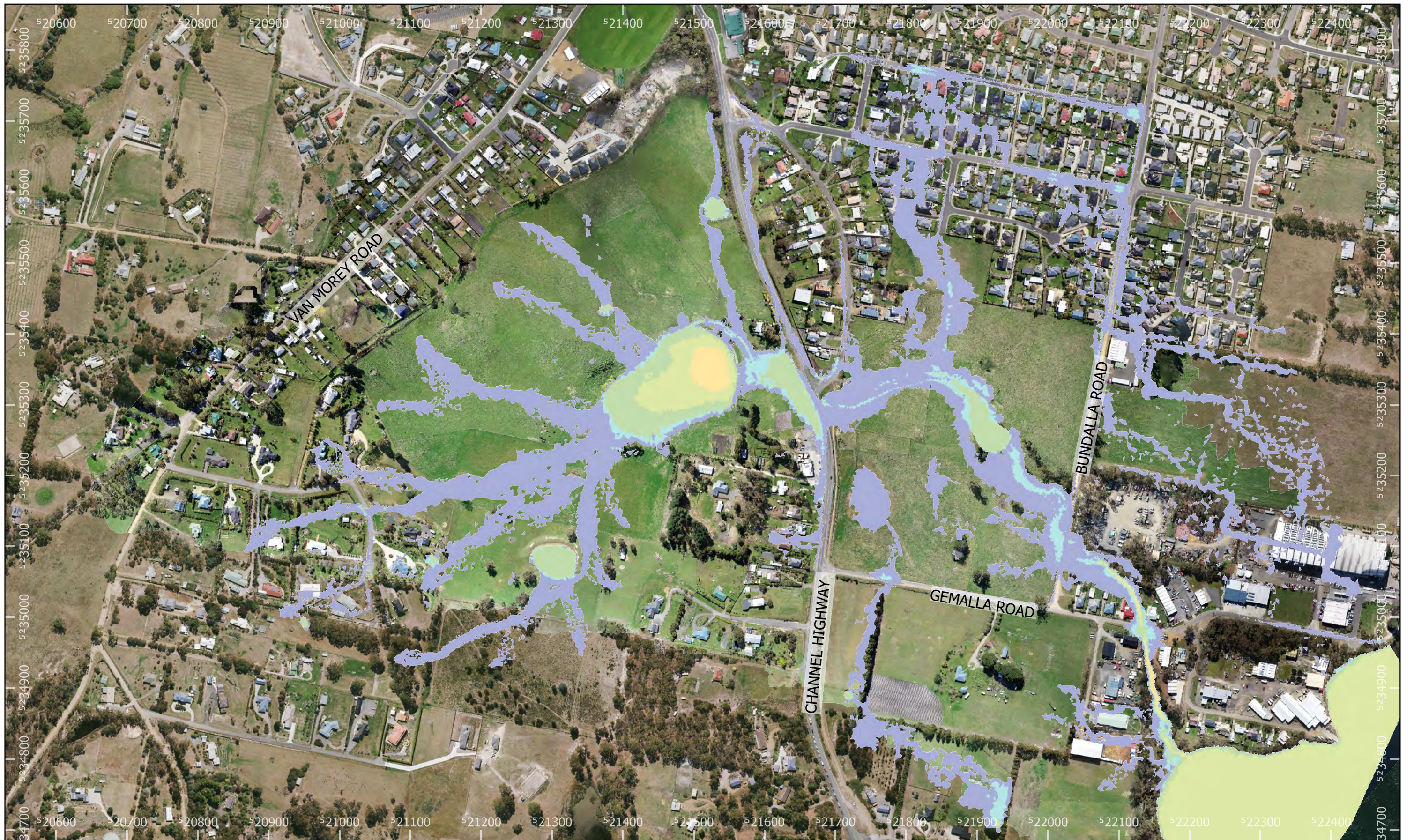
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

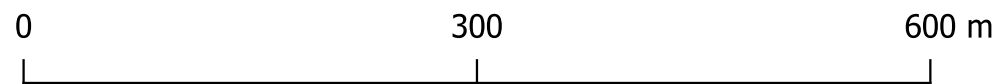


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Figure A43



Title: Fully Developed 1% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

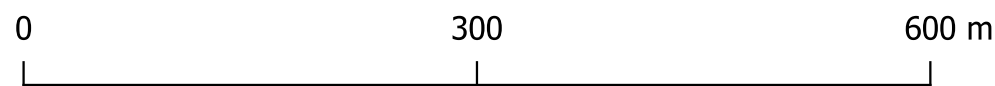


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Figure A44



Title: Fully Developed 1% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	
■ <= 5.00	■ 30.00 - 40.00
■ 5.00 - 10.00	■ 40.00 - 50.00
■ 10.00 - 20.00	■ 50.00 - 60.00
■ 20.00 - 30.00	■ > 60.00

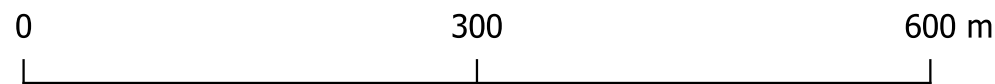


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Figure A45



Title: Fully Developed 5% AEP Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Dark navy blue
> 1.20	Black

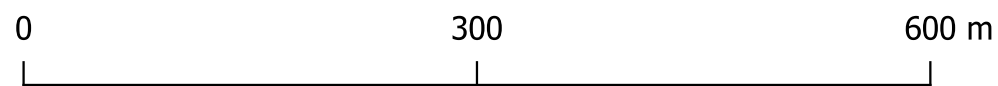


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7000, TASMANIA

Figure A46



Title: Fully Developed 5% AEP Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

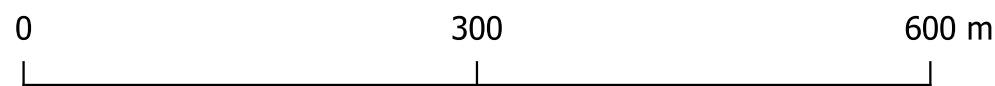


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Figure A47



Title: Fully Developed 5% AEP Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- Hazard
- H1
- H2
- H3
- H4
- H5
- H6

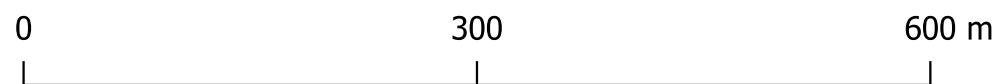


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Figure A48



Title: Fully Developed 5% AEP Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Blue
5.00 - 10.00	Teal
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

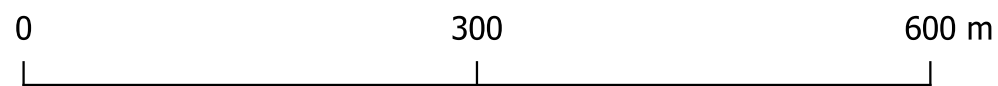


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Figure A49



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Dark Blue
> 1.20	Darkest Blue

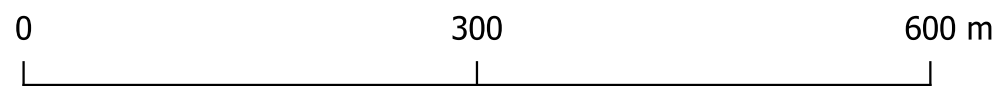


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Figure A50



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

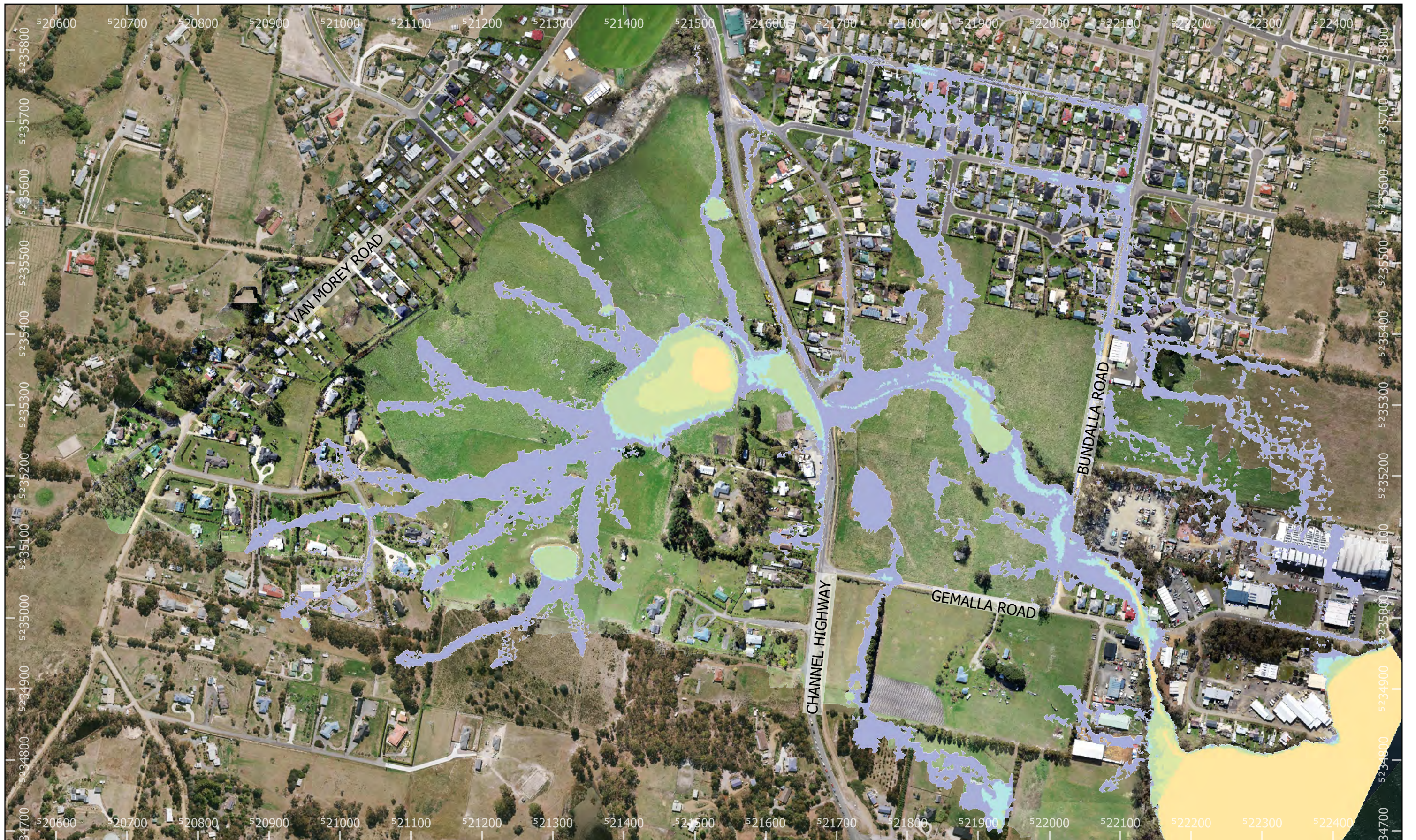
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

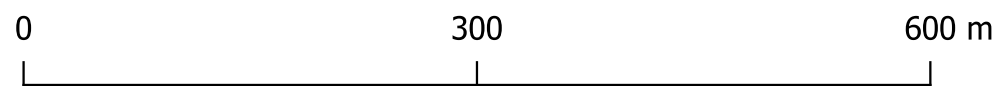


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Figure A51



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

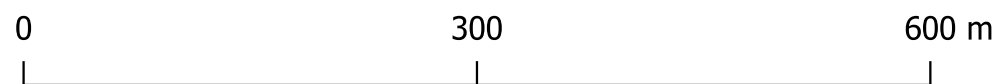


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Figure A52



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	
■ <= 5.00	■ 30.00 - 40.00
■ 5.00 - 10.00	■ 40.00 - 50.00
■ 10.00 - 20.00	■ 50.00 - 60.00
■ 20.00 - 30.00	■ > 60.00

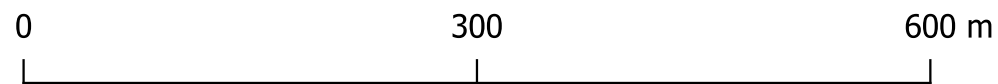


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Figure A53



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Light Blue
0.30 - 0.60	Medium Blue
0.60 - 0.90	Dark Blue
0.90 - 1.20	Very Dark Blue
> 1.20	Dark Blue

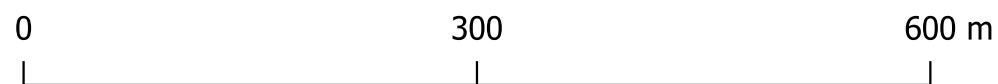


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Figure A54



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

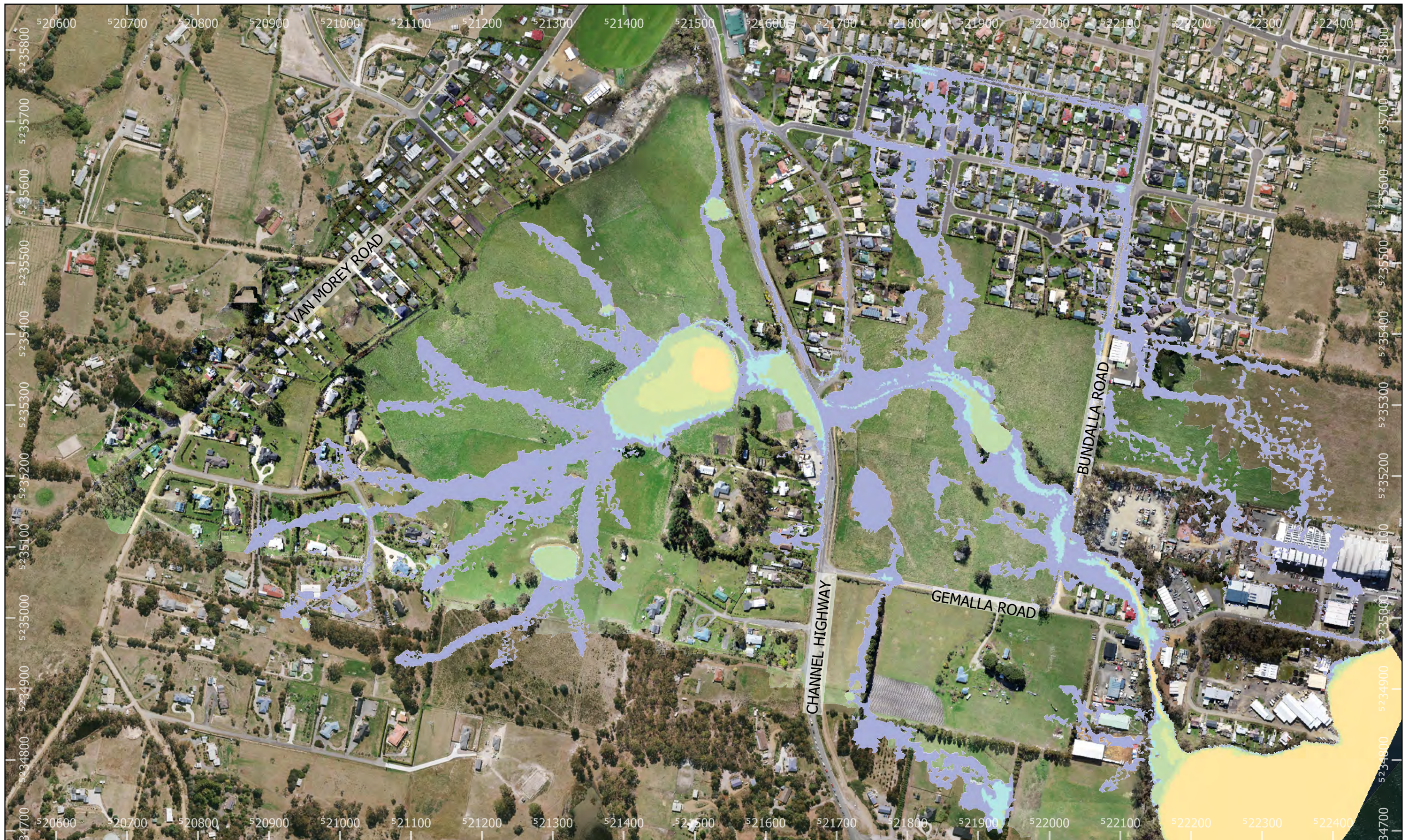
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

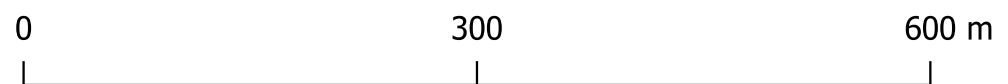


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Figure A55



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- Hazard
- H1
- H2
- H3
- H4
- H5
- H6

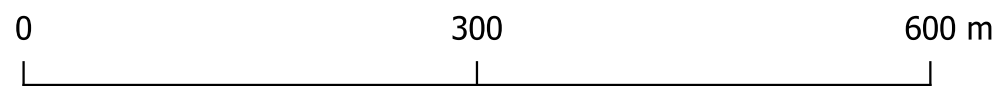


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Figure A56



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Light Blue
5.00 - 10.00	Medium Blue
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

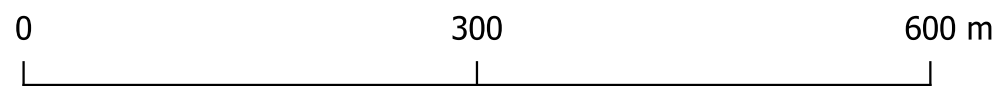


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Figure A57



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Dark navy blue
> 1.20	Black

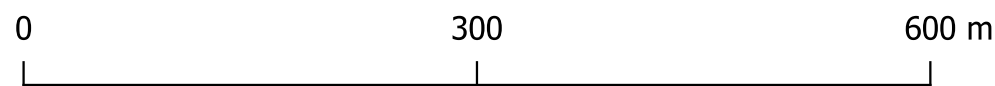


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Figure A58



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

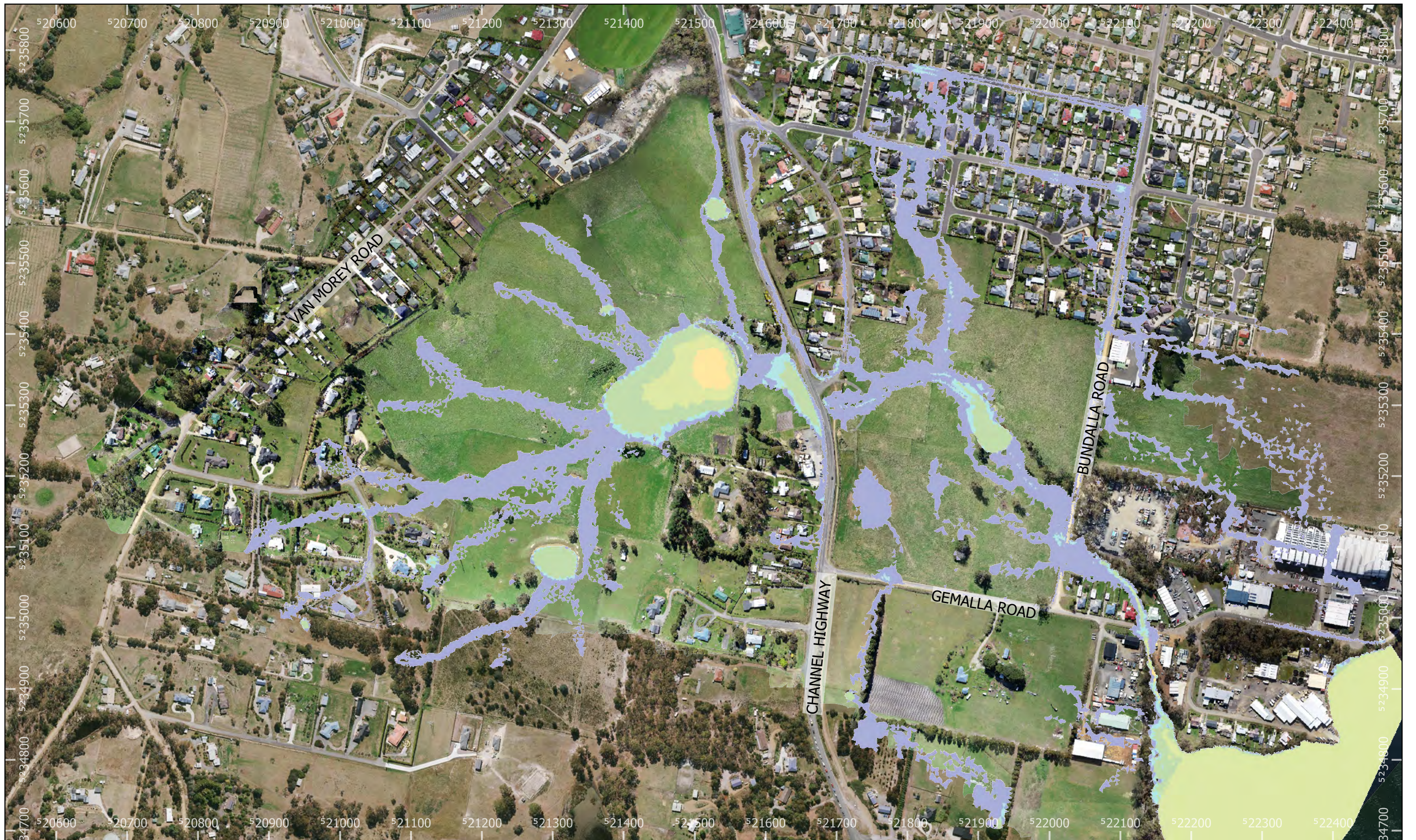
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

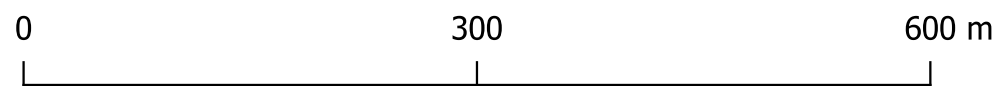


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Figure A59



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

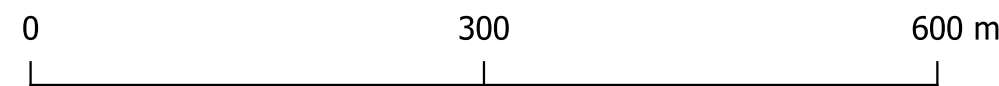


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Figure A60



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Light Blue
5.00 - 10.00	Medium Blue
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

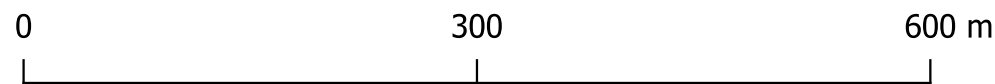


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Figure A61



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge + Climate Change @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest Blue
0.05 - 0.10	Light Blue
0.10 - 0.30	Medium Blue
0.30 - 0.60	Dark Blue
0.60 - 0.90	Very Dark Blue
0.90 - 1.20	Dark Blue
> 1.20	Black

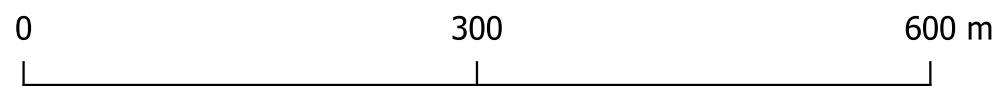


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Figure A62



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge + Climate Change @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

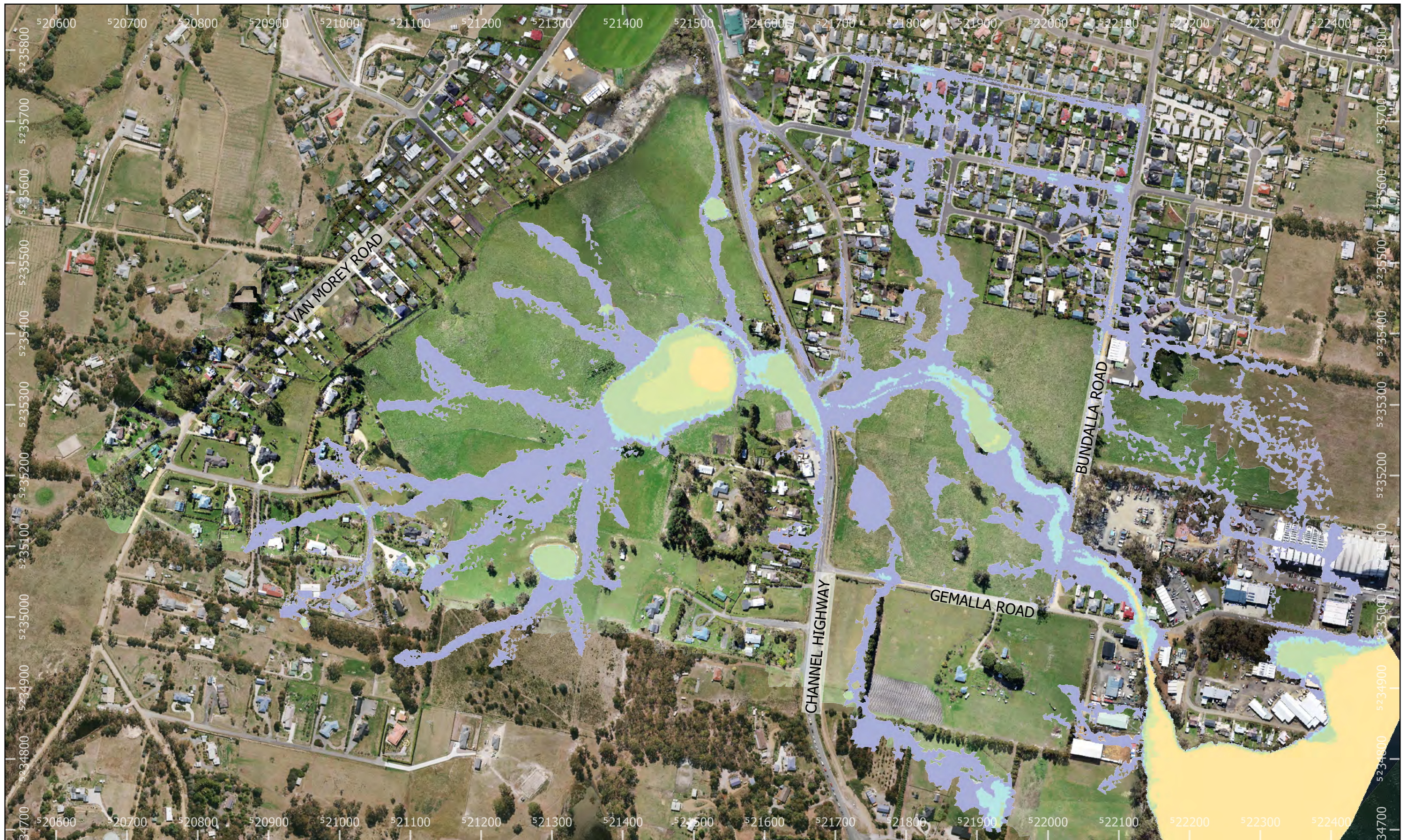
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

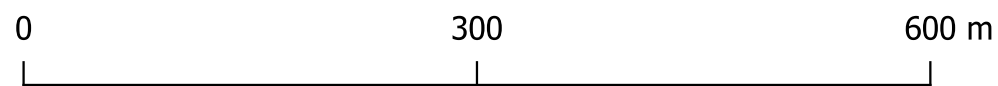


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Figure A63



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge + Climate Change @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

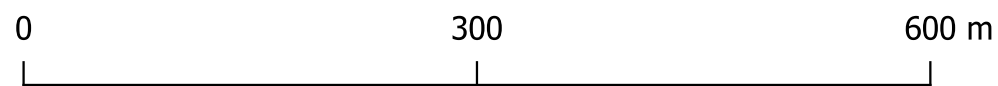


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Figure A64



Title: Existing Conditions 0.5% AEP + 0.5% AEP Storm Surge + Climate Change @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	Color
<= 5.00	Light Blue
5.00 - 10.00	Medium Blue
10.00 - 20.00	Light Green
20.00 - 30.00	Yellow
30.00 - 40.00	Orange
40.00 - 50.00	Dark Orange
50.00 - 60.00	Red
> 60.00	Dark Red

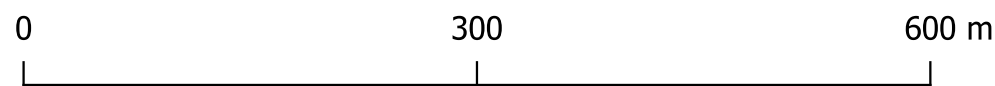


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Figure A65



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge + Climate Change @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	Lightest blue
0.05 - 0.10	Light blue
0.10 - 0.30	Medium blue
0.30 - 0.60	Dark blue
0.60 - 0.90	Very dark blue
0.90 - 1.20	Dark navy blue
> 1.20	Black

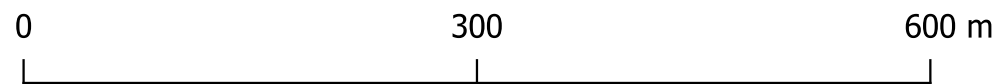


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Figure A66



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge + Climate Change @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

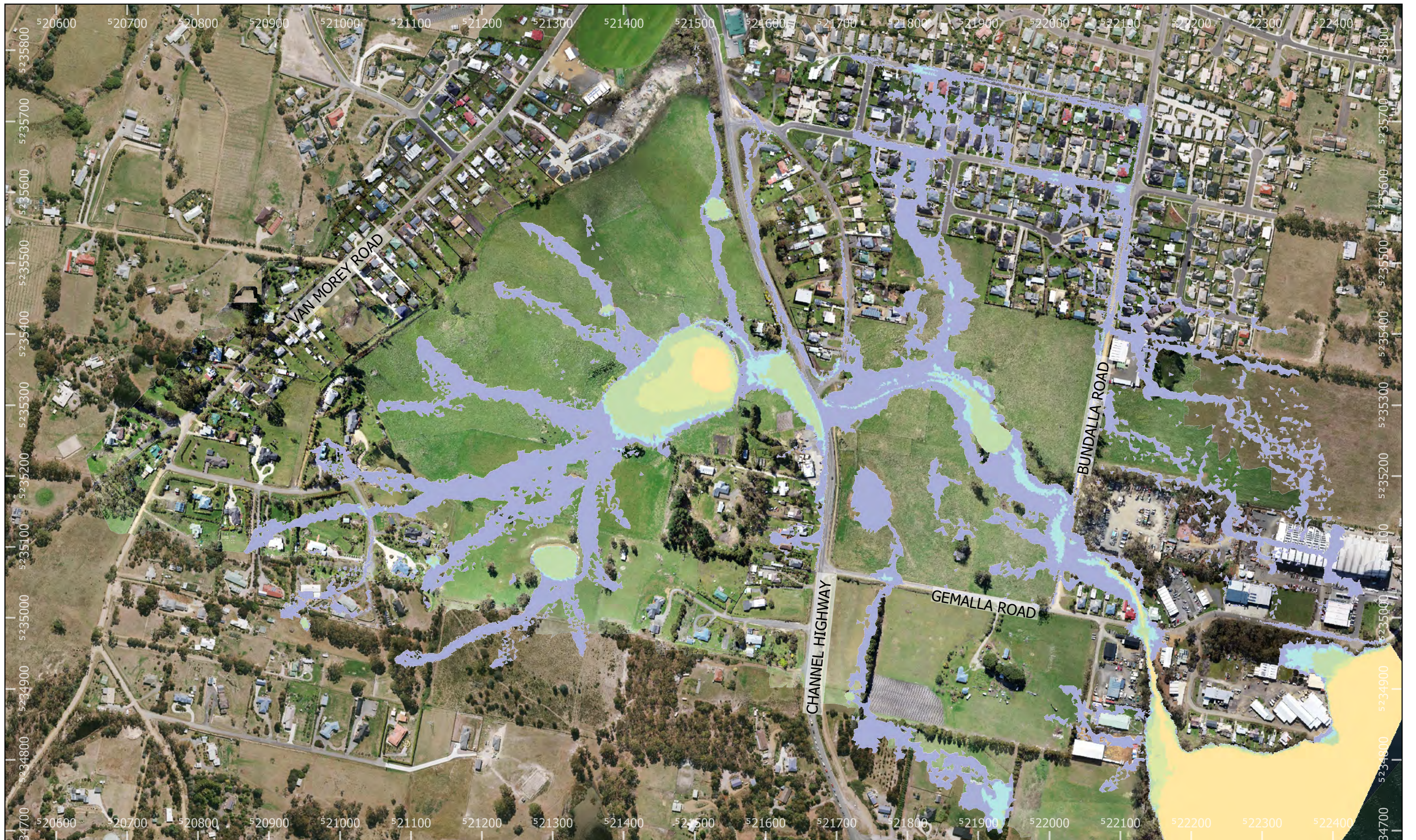
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Dark Orange
1.50 - 1.80	Red-Orange
1.80 - 2.20	Red
> 2.20	Dark Red

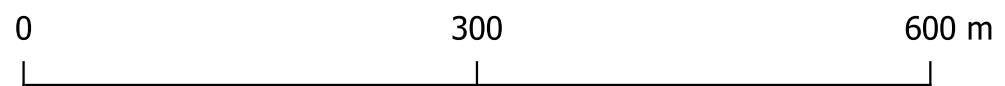


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Figure A67



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge + Climate Change @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

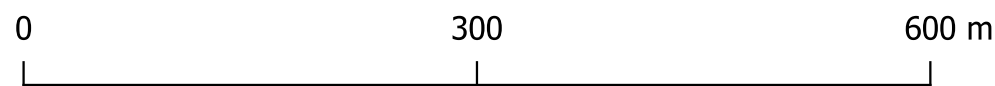


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Figure A68



Title: Existing Conditions 1% AEP + 5% AEP Storm Surge + Climate Change @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

levels (mAHD)	
<= 5.00	30.00 - 40.00
5.00 - 10.00	40.00 - 50.00
10.00 - 20.00	50.00 - 60.00
20.00 - 30.00	> 60.00

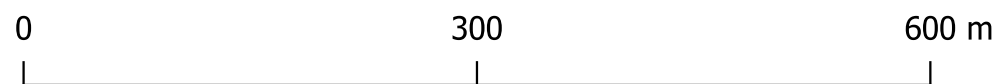


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Figure A69



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge + Climate Change @2100 Depth	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Depth (m)	Color
<= 0.05	White
0.05 - 0.10	Lightest Blue
0.10 - 0.30	Light Blue
0.30 - 0.60	Medium Light Blue
0.60 - 0.90	Medium Blue
0.90 - 1.20	Dark Blue
> 1.20	Very Dark Blue

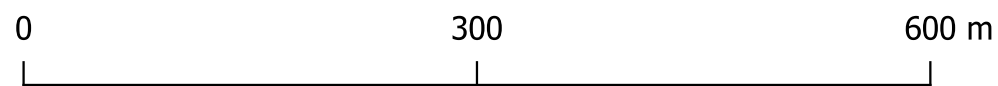


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Figure A70



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge + Climate Change @2100 Velocity	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

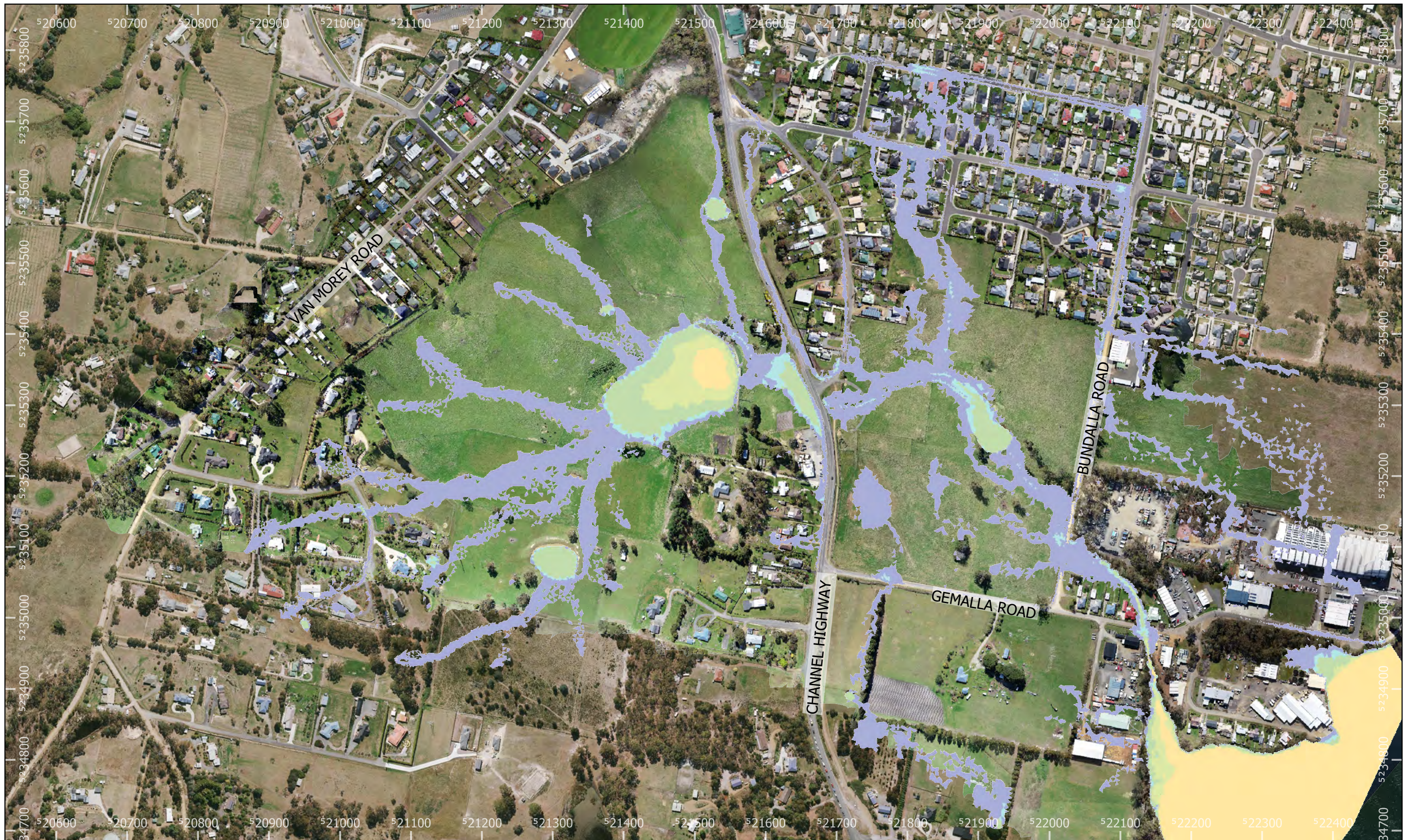
Legend

Velocity (m/s)	Color
<= 0.30	Light Yellow
0.30 - 0.70	Yellow
0.70 - 1.00	Orange
1.00 - 1.50	Light Orange
1.50 - 1.80	Orange-Red
1.80 - 2.20	Red
> 2.20	Dark Red

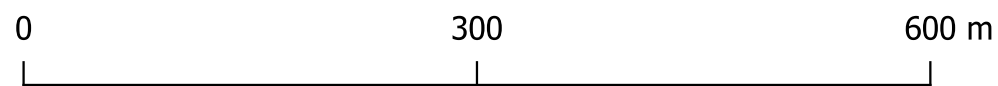


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Figure A71



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge + Climate Change @2100 Hazard	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

- | | |
|--------|----|
| Hazard | H4 |
| H1 | H5 |
| H2 | H6 |
| H3 | |

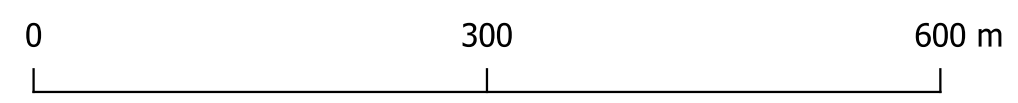


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Figure A72



Title: Existing Conditions 5% AEP + 1% AEP Storm Surge + Climate Change @2100 Levels	
Client: Kingborough Council	
Project: 2268_Tramway_Creek_Catchment_Investigation	
Date: 10/12/2021	Created By: DH
Revision: 001	Reviewed: MS



Scale: 1: 5000

EPSG:28355
GDA94 / MGA zone 55

Legend

Levels (mAHD)	
■ <= 5.00	■ 30.00 - 40.00
■ 5.00 - 10.00	■ 40.00 - 50.00
■ 10.00 - 20.00	■ 50.00 - 60.00
■ 20.00 - 30.00	■ > 60.00



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