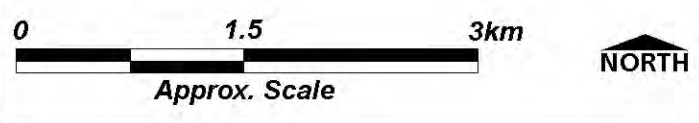


**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 192 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

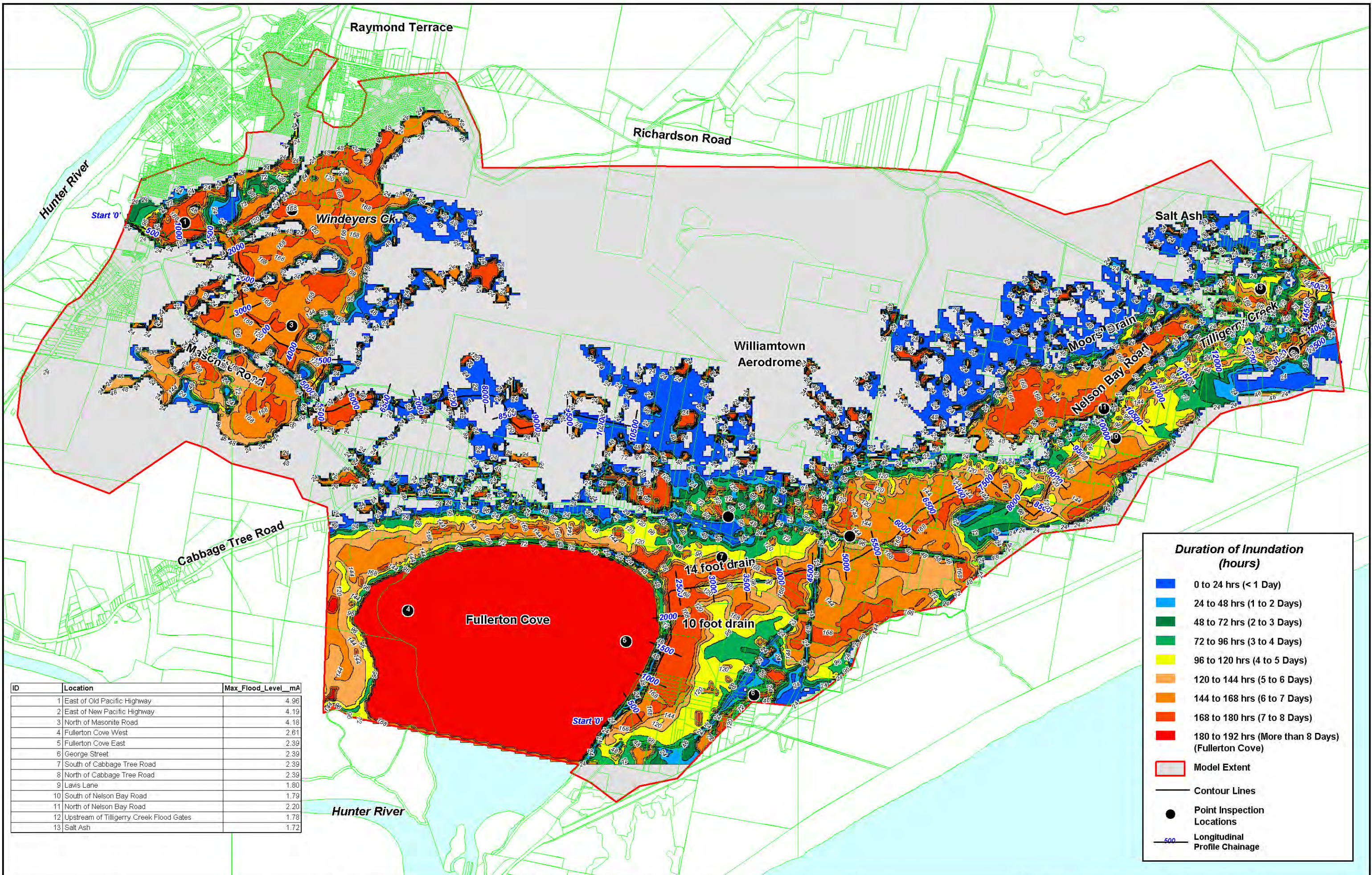
Model Extent  
 — Contour Lines  
 ● Point Inspection Locations  
 — 500 Longitudinal Profile Chainage

ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	6.84
2	East of New Pacific Highway	6.77
3	North of Masonite Road	6.73
4	Fullerton Cove West	4.69
5	Fullerton Cove East	4.47
6	George Street	4.45
7	South of Cabbage Tree Road	4.46
8	North of Cabbage Tree Road	4.46
9	Lavis Lane	4.42
10	South of Nelson Bay Road	4.19
11	North of Nelson Bay Road	4.18
12	Upstream of Tilligerry Creek Flood Gates	3.77
13	Salt Ash	3.60



**Williamtown Flood Study - Design Event : PMF**  
**Envelope of Maximum Inundation Duration from TUFLOW Models:**  
 Run16.tcf, Run17.tcf & Run18.tcf



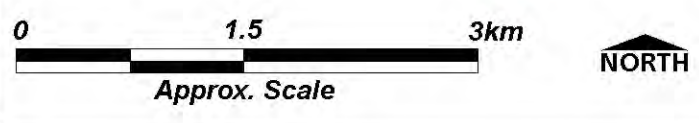


ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	4.96
2	East of New Pacific Highway	4.19
3	North of Masonite Road	4.18
4	Fullerton Cove West	2.61
5	Fullerton Cove East	2.39
6	George Street	2.39
7	South of Cabbage Tree Road	2.39
8	North of Cabbage Tree Road	2.39
9	Lavis Lane	1.80
10	South of Nelson Bay Road	1.79
11	North of Nelson Bay Road	2.20
12	Upstream of Tilligerry Creek Flood Gates	1.78
13	Salt Ash	1.72

**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

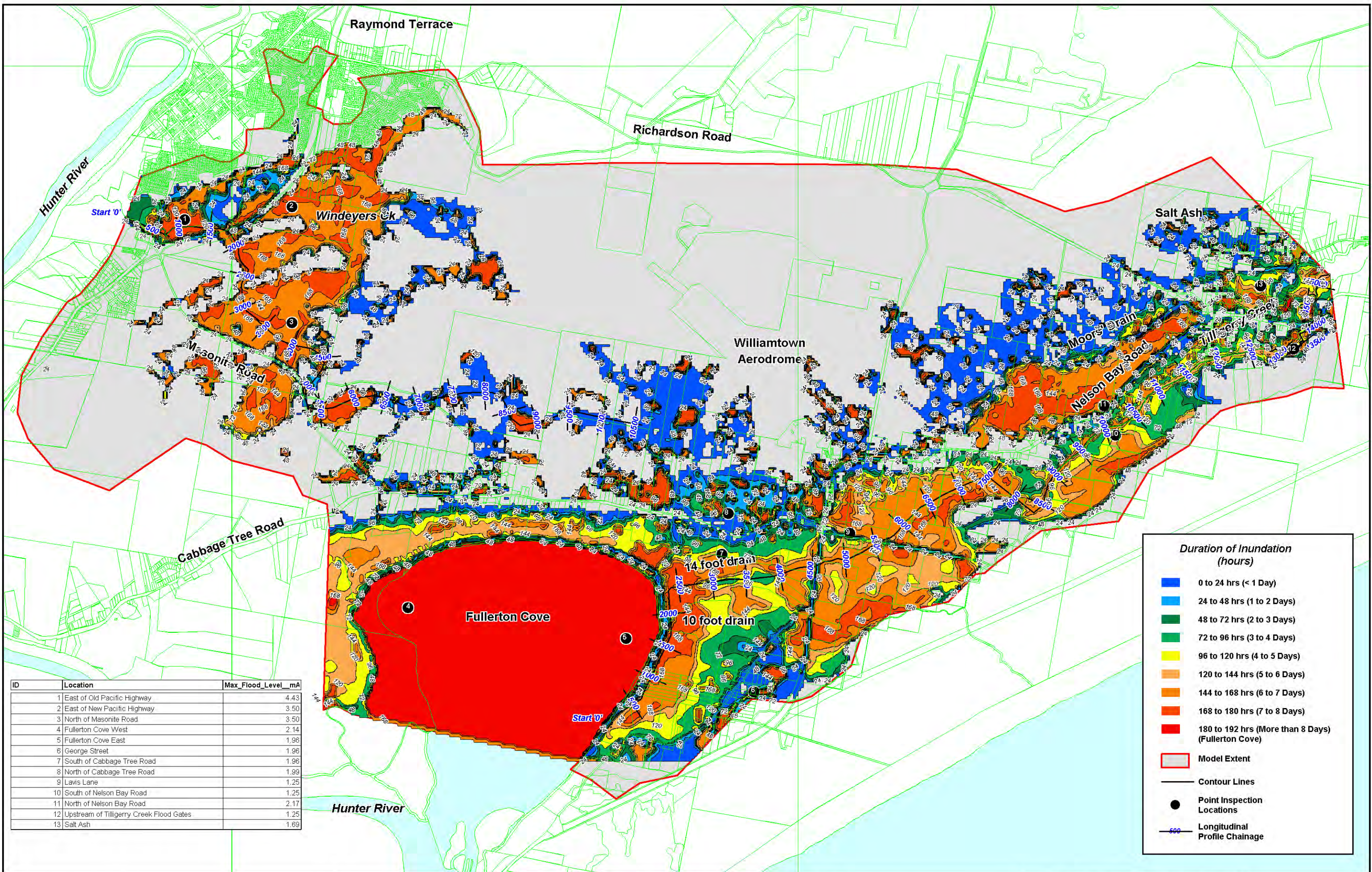
Model Extent  
 — Contour Lines  
 ● Point Inspection Locations  
 — Longitudinal Profile Chainage



Williamtown Flood Study - Design Event : 0.5% AEP  
 Envelope of Maximum Inundation Duration from TUFLOW Models:  
 Run13.tcf, Run14.tcf & Run15.tcf

Figure 0.5%AEP\_dur(0.1)\_R1  
 I:\B12870\_1\_pevDRG\Inundation Time\0.5%AEP\_dur(0.1)\_R1\_WOR





ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	4.43
2	East of New Pacific Highway	3.50
3	North of Masonite Road	3.50
4	Fullerton Cove West	2.14
5	Fullerton Cove East	1.96
6	George Street	1.96
7	South of Cabbage Tree Road	1.96
8	North of Cabbage Tree Road	1.99
9	Lavis Lane	1.25
10	South of Nelson Bay Road	1.25
11	North of Nelson Bay Road	2.17
12	Upstream of Tilligerry Creek Flood Gates	1.25
13	Salt Ash	1.69

**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

**Model Extent**

**Contour Lines**

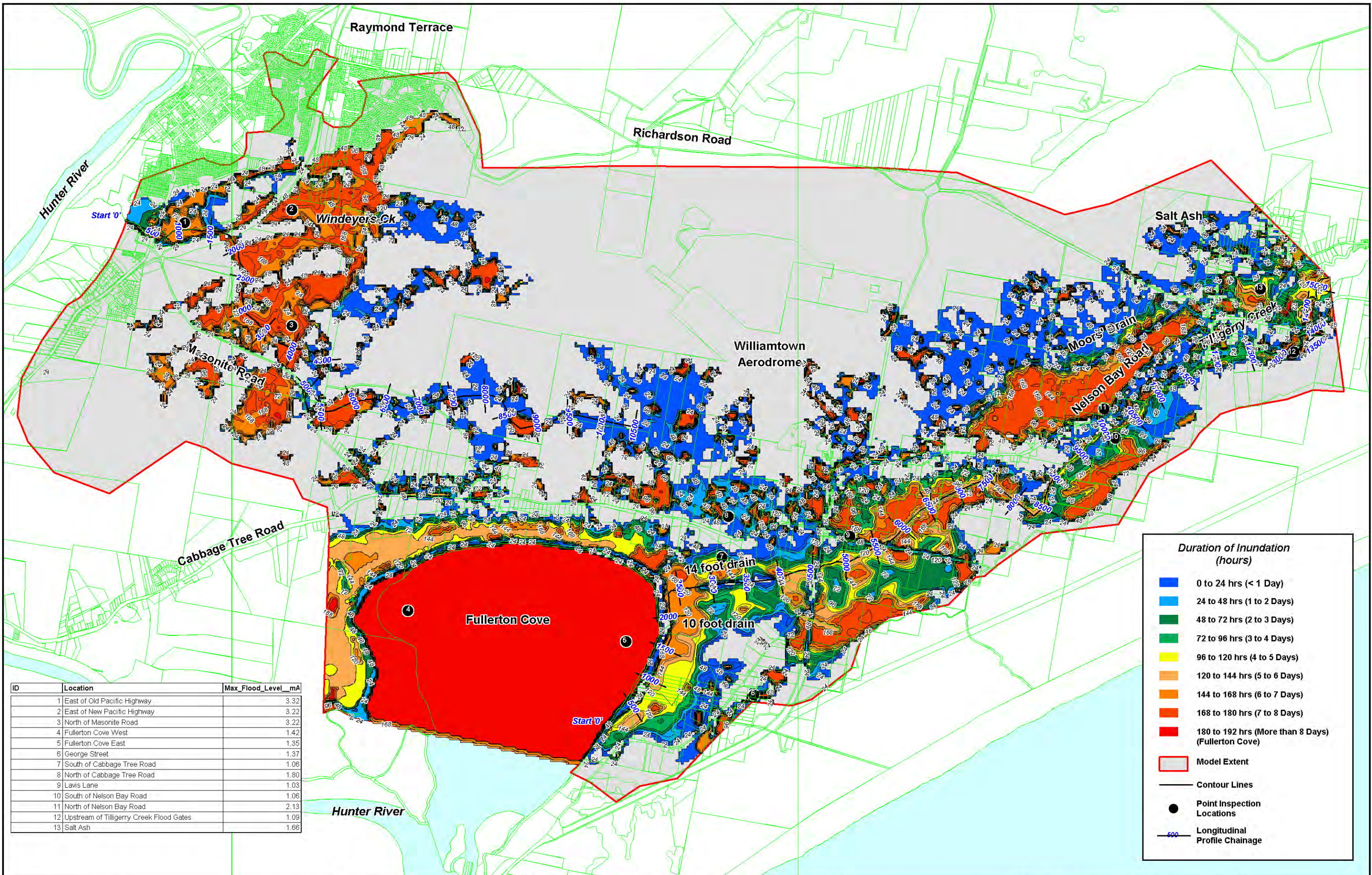
**Point Inspection Locations**

**Longitudinal Profile Chainage** 500



**Williamtown Flood Study - Design Event : 1% AEP**  
**Envelope of Maximum Inundation Duration from TUFLOW Models:**  
 Run10.tcf, Run11.tcf & Run12.tcf





ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	3.32
2	East of New Pacific Highway	3.22
3	North of Masonite Road	3.22
4	Fullerton Cove West	1.42
5	Fullerton Cove East	1.35
6	George Street	1.37
7	South of Cabbage Tree Road	1.06
8	North of Cabbage Tree Road	1.80
9	Lavis Lane	1.03
10	South of Nelson Bay Road	1.06
11	North of Nelson Bay Road	2.13
12	Upstream of Tilligerry Creek Flood Gates	1.09
13	Salt Ash	1.66

**Duration of Inundation (hours)**

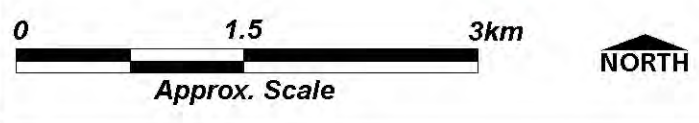
- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

**Model Extent** (Red outline)

**Contour Lines** (Black line)

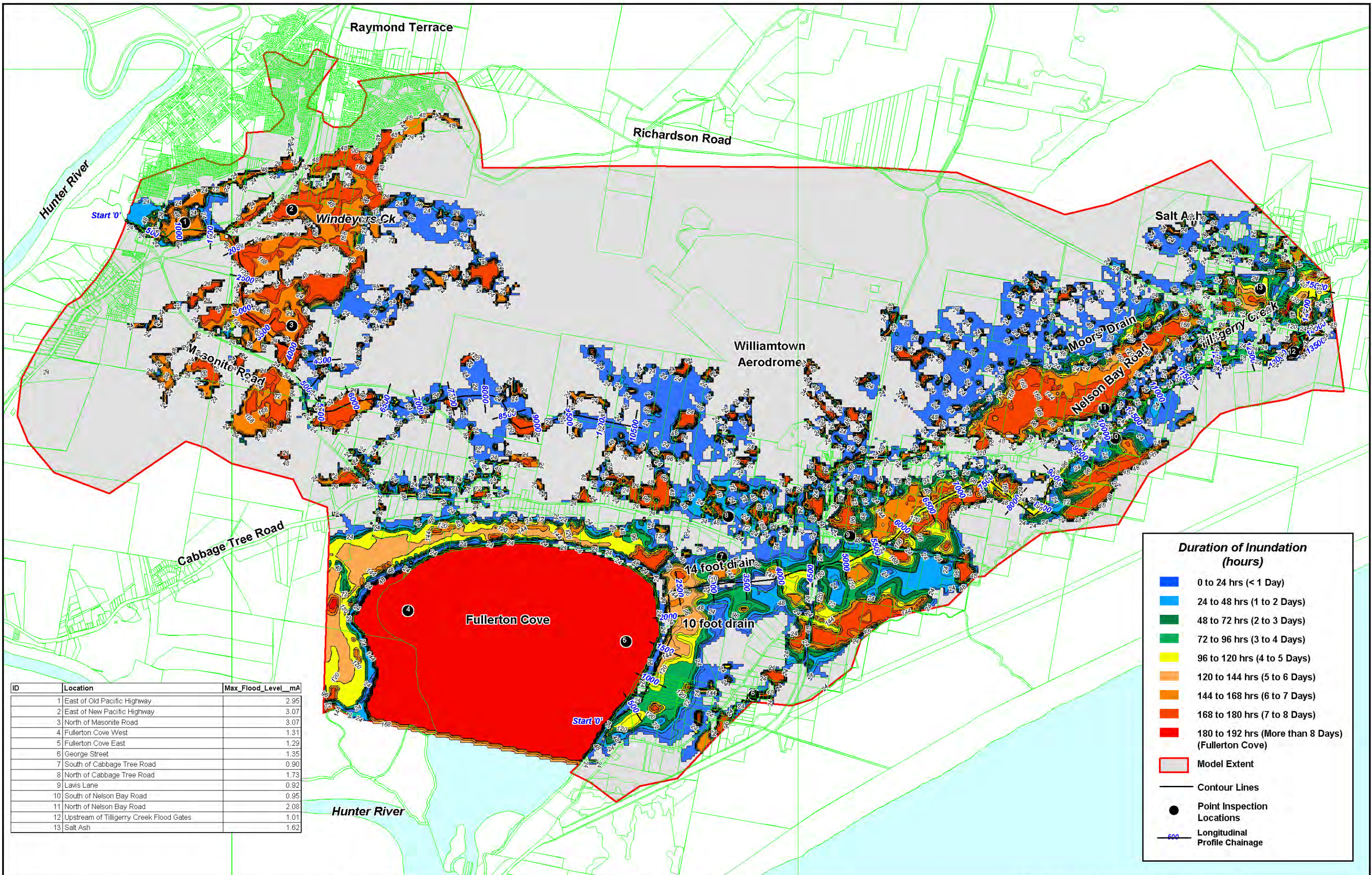
**Point Inspection Locations** (Black dot)

**Longitudinal Profile Chainage** (Blue line with '500' label)



**Williamtown Flood Study - Design Event : 2% AEP**  
**Envelope of Maximum Inundation Duration from TUFLOW Models:**  
 Run8.tcf & Run9.tcf



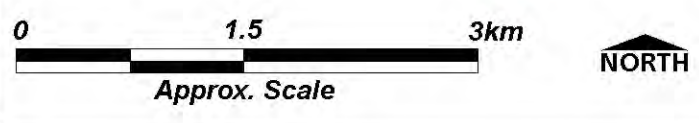


ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	2.95
2	East of New Pacific Highway	3.07
3	North of Masonite Road	3.07
4	Fullerton Cove West	1.31
5	Fullerton Cove East	1.29
6	George Street	1.35
7	South of Cabbage Tree Road	0.90
8	North of Cabbage Tree Road	1.73
9	Lavis Lane	0.92
10	South of Nelson Bay Road	0.95
11	North of Nelson Bay Road	2.08
12	Upstream of Tilligerry Creek Flood Gates	1.01
13	Salt Ash	1.62

**Duration of Inundation (hours)**

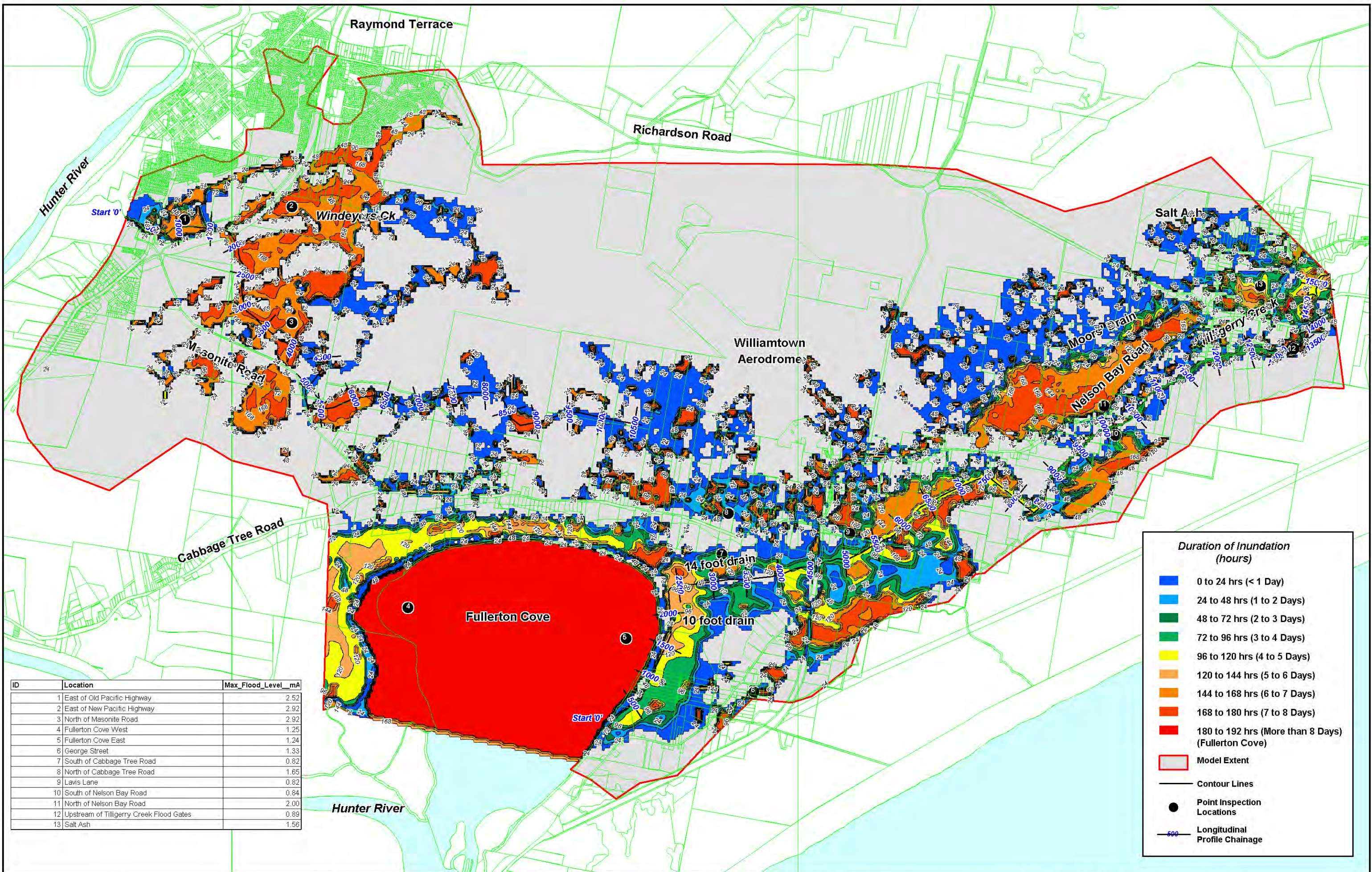
- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

Model Extent  
 — Contour Lines  
 ● Point Inspection Locations  
 — 500 Longitudinal Profile Chainage



Williamtown Flood Study - Design Event : 5% AEP  
 Envelope of Maximum Inundation Duration from TUFLOW Models:  
 Run6.tcf & Run7.tcf





ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	2.52
2	East of New Pacific Highway	2.92
3	North of Masonite Road	2.92
4	Fullerton Cove West	1.25
5	Fullerton Cove East	1.24
6	George Street	1.33
7	South of Cabbage Tree Road	0.82
8	North of Cabbage Tree Road	1.65
9	Lavis Lane	0.82
10	South of Nelson Bay Road	0.84
11	North of Nelson Bay Road	2.00
12	Upstream of Tilligerry Creek Flood Gates	0.89
13	Salt Ash	1.56

**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

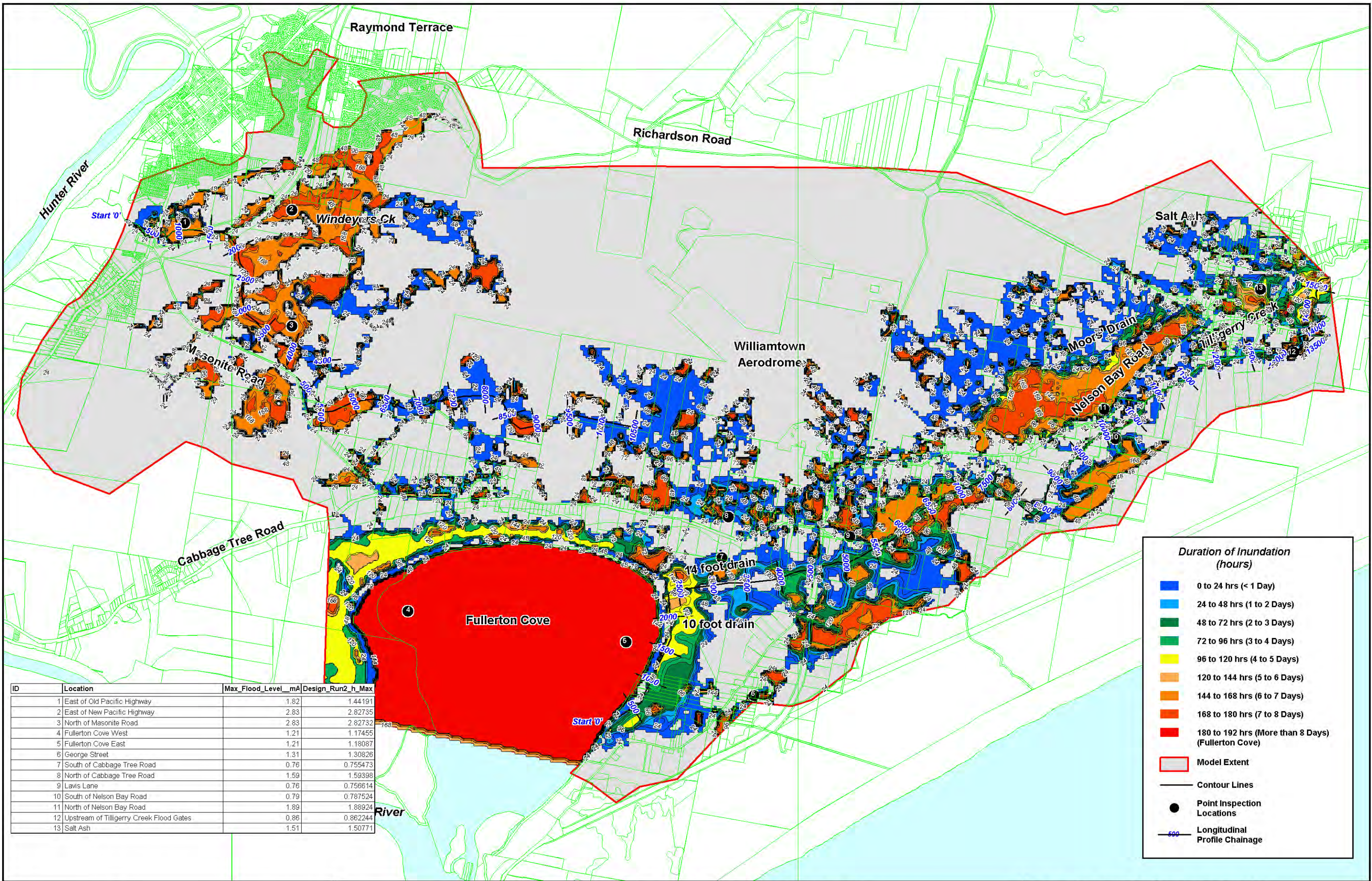
Model Extent  
 — Contour Lines  
 ● Point Inspection Locations  
 —500— Longitudinal Profile Chainage



Williamtown Flood Study - Design Event : 10% AEP  
 Envelope of Maximum Inundation Duration from TUFLOW Models:  
 Run4.tcf & Run5.tcf

Figure 10%AEP\_dur(0.1)\_R1





**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

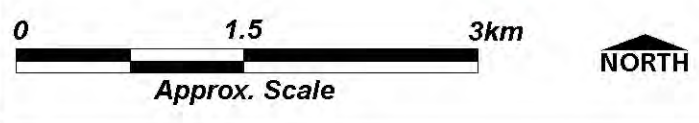
**Model Extent**

**Contour Lines**

**Point Inspection Locations**

**Longitudinal Profile Chainage**

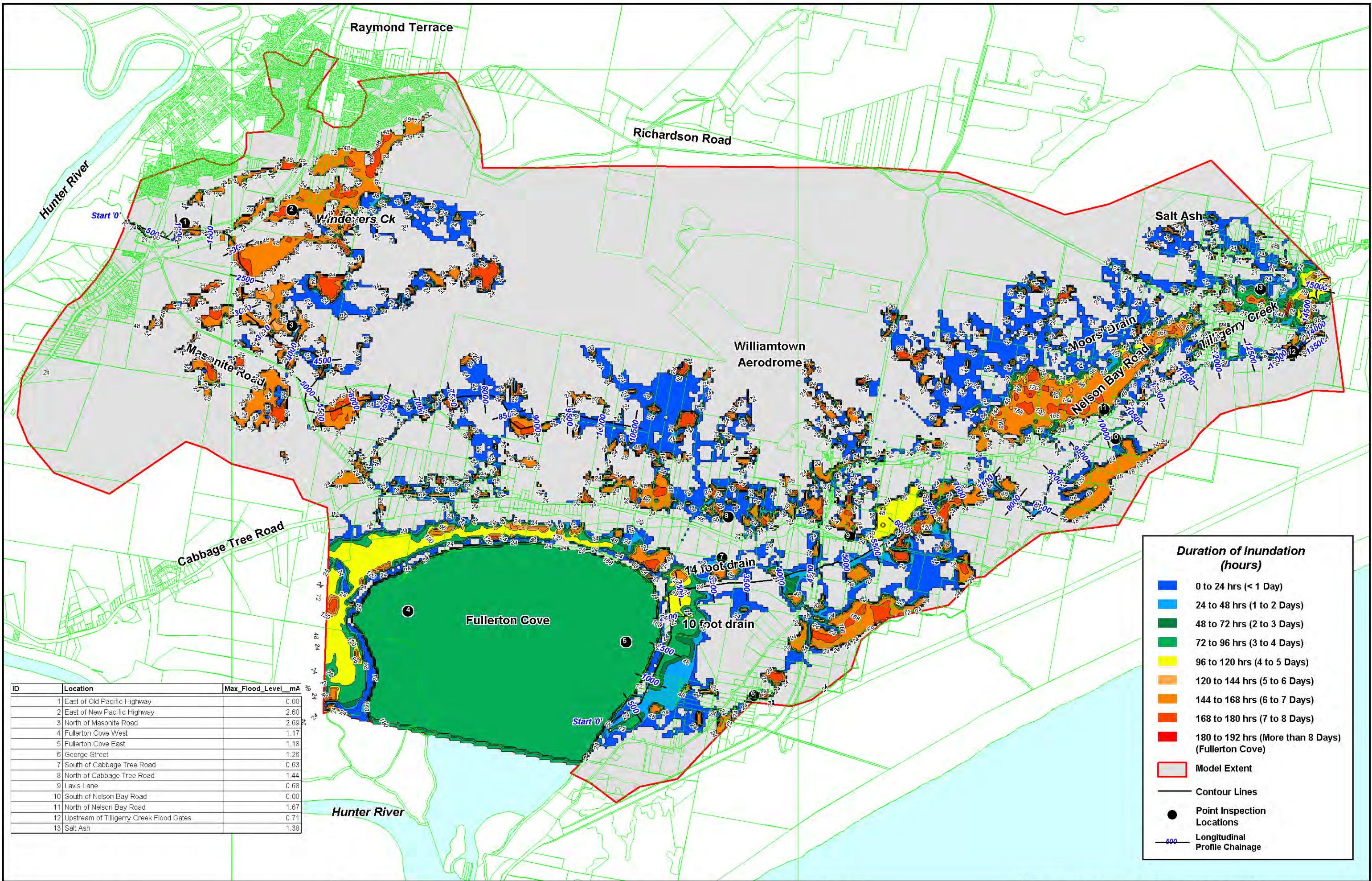
ID	Location	Max_Flood_Level_mA	Design_Run2_h_Max
1	East of Old Pacific Highway	1.82	1.44191
2	East of New Pacific Highway	2.83	2.82735
3	North of Masonite Road	2.83	2.82732
4	Fullerton Cove West	1.21	1.17455
5	Fullerton Cove East	1.21	1.18087
6	George Street	1.31	1.30826
7	South of Cabbage Tree Road	0.76	0.755473
8	North of Cabbage Tree Road	1.59	1.59398
9	Lavis Lane	0.76	0.756614
10	South of Nelson Bay Road	0.79	0.787524
11	North of Nelson Bay Road	1.89	1.88924
12	Upstream of Tilligerry Creek Flood Gates	0.86	0.862244
13	Salt Ash	1.51	1.50771



**Williamtown Flood Study - Design Event : 20% AEP**  
**Envelope of Maximum Inundation Duration from TUFLOW Models:**  
**Run2.tcf & Run3.tcf**

**Figure 20%AEP\_dur(0.1)\_R1**



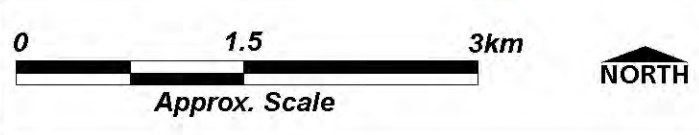


**Duration of Inundation (hours)**

- 0 to 24 hrs (< 1 Day)
- 24 to 48 hrs (1 to 2 Days)
- 48 to 72 hrs (2 to 3 Days)
- 72 to 96 hrs (3 to 4 Days)
- 96 to 120 hrs (4 to 5 Days)
- 120 to 144 hrs (5 to 6 Days)
- 144 to 168 hrs (6 to 7 Days)
- 168 to 180 hrs (7 to 8 Days)
- 180 to 192 hrs (More than 8 Days) (Fullerton Cove)

Model Extent  
 — Contour Lines  
 ● Point Inspection Locations  
 — 600 Longitudinal Profile Chainage

ID	Location	Max_Flood_Level_mA
1	East of Old Pacific Highway	0.00
2	East of New Pacific Highway	2.60
3	North of Masonite Road	2.69
4	Fullerton Cove West	1.17
5	Fullerton Cove East	1.18
6	George Street	1.26
7	South of Cabbage Tree Road	0.63
8	North of Cabbage Tree Road	1.44
9	Lavis Lane	0.68
10	South of Nelson Bay Road	0.00
11	North of Nelson Bay Road	1.67
12	Upstream of Tilligerry Creek Flood Gates	0.71
13	Salt Ash	1.38



Williamtown Flood Study - Design Event : 50% AEP  
 Maximum Inundation Duration from TUFLOW Model:  
 Run1.tcf

Figure 50%AEP\_dur(0.1)\_R1