

# Appendix D

**Marlon Maps**

# Appendix D Figures List

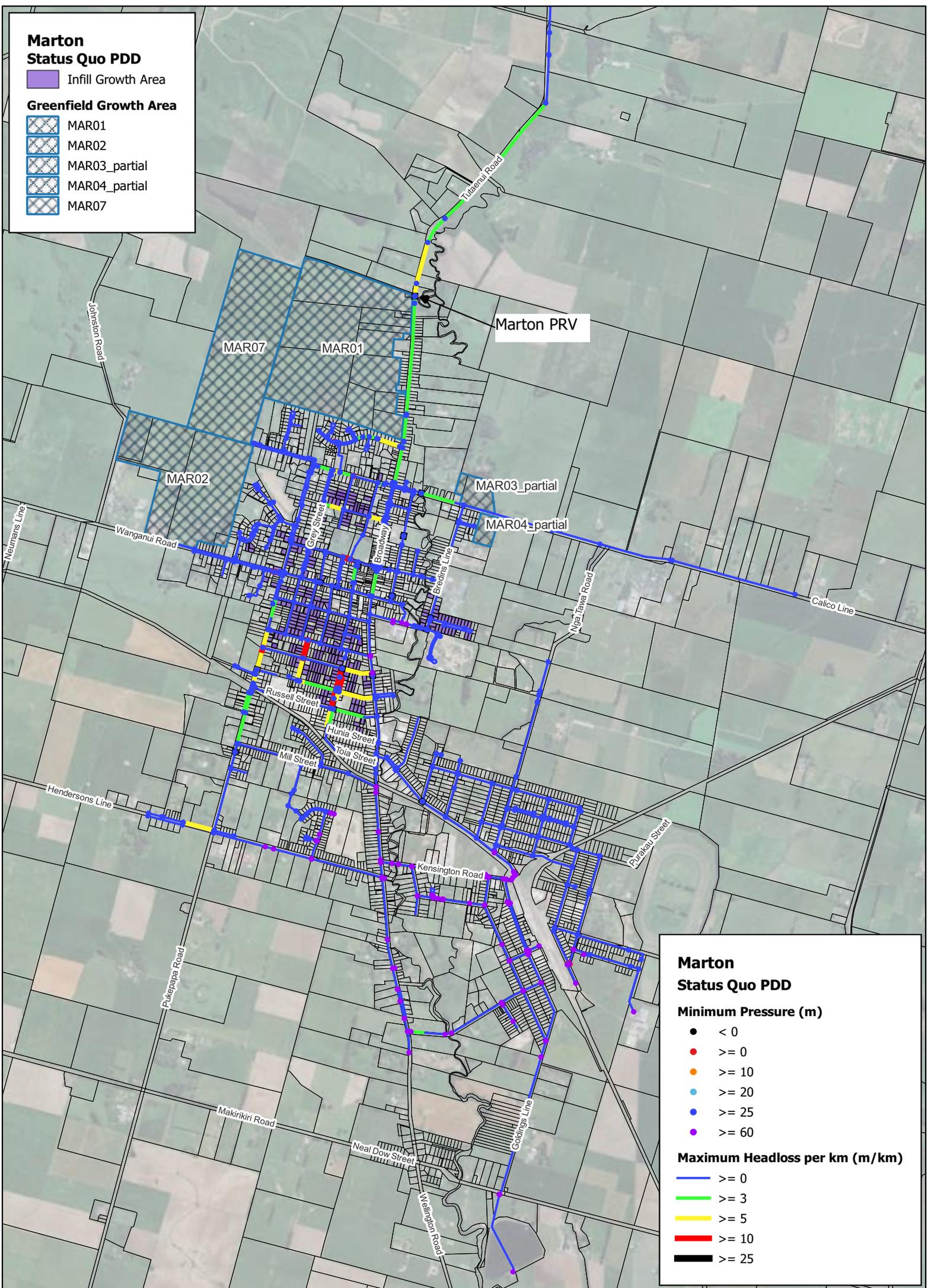
<b>Figure</b>	<b>Description</b>
1.1.1	Marton Existing Water Supply System Performance
1.1.2	Marton Existing Fire Flow (FW2) Assessment
1.2.1	Marton Existing Wastewater Network - Dry Weather Flow
1.2.2	Marton Existing Wastewater Network - Wet Weather Flow
1.3	Marton Stormwater Rapid Flood Hazard Assessment
2.1.1	MAR01 Water Supply System Performance
2.1.2	MAR01 Water Supply Option 1 System Performance with Proposed Upgrades
2.1.3	MAR01 Water Supply Option 1 Fire Flow (FW2) Assessment with Proposed Upgrades
2.2.1	MAR01 Wastewater Network Performance - Dry Weather Flow
2.2.2	MAR01 Wastewater Network Performance - Wet Weather Flow
2.2.3	MAR01 Wastewater Network with Upgrades - Wet Weather Flow
3.1.1	MAR02 Water Supply System Performance
3.1.2	MAR02 Water Supply Option 1 System Performance with Proposed Upgrades
3.1.3	MAR02 Water Supply Option 1 Fire Flow (FW2) Assessment with Proposed Upgrades
3.2.1	MAR02 Wastewater Network Performance - Dry Weather Flow
3.2.2	MAR02 Wastewater Network Performance - Wet Weather Flow
3.2.3	MAR02 Wastewater Network with Upgrades - Wet Weather Flow
4.1.1	MAR07 Water Supply System Performance
4.1.2	MAR07 Water Supply Option 1 System Performance with Proposed Upgrades
4.1.3	MAR07 Water Supply Option 1 Fire Flow (FW2) Assessment with Proposed Upgrades
4.2.1	MAR07 Wastewater Network Performance - Dry Weather Flow
4.2.2	MAR07 Wastewater Network Performance - Wet Weather Flow
5.1.1	MAR-Combined Water Supply System Performance
5.1.2	MAR-Combined Water Supply Option 1 System Performance with Proposed Upgrades
5.1.3	MAR-Combined Water Supply Option 1 Fire Flow (FW2) Assessment with Proposed Upgrades
5.2.1	MAR_Combined Wastewater Network Performance - Dry Weather Flow
5.2.2	MAR_Combined Wastewater Network Performance - Wet Weather Flow
5.2.3	MAR_Combined Wastewater Network with Upgrades - Wet Weather Flow
6.1.1	Marton Infill Water Supply System Performance
6.1.2	Marton Infill Water Supply Option 1 System Performance with Proposed Upgrades
6.1.3	Marton Infill Water Supply Option 1 Fire Flow (FW2) Assessment with Proposed Upgrades
6.2.1	Marton Infill Wastewater Network Performance - Dry Weather Flow
6.2.2	Marton Infill Wastewater Network Performance - Wet Weather Flow
6.3	Marton Infill Stormwater Rapid Hazard Assessment

**Marton  
Status Quo PDD**

 Infill Growth Area

**Greenfield Growth Area**

-  MAR01
-  MAR02
-  MAR03\_partial
-  MAR04\_partial
-  MAR07



**Marton  
Status Quo PDD**

**Minimum Pressure (m)**

-  < 0
-  >= 0
-  >= 10
-  >= 20
-  >= 25
-  >= 60

**Maximum Headloss per km (m/km)**

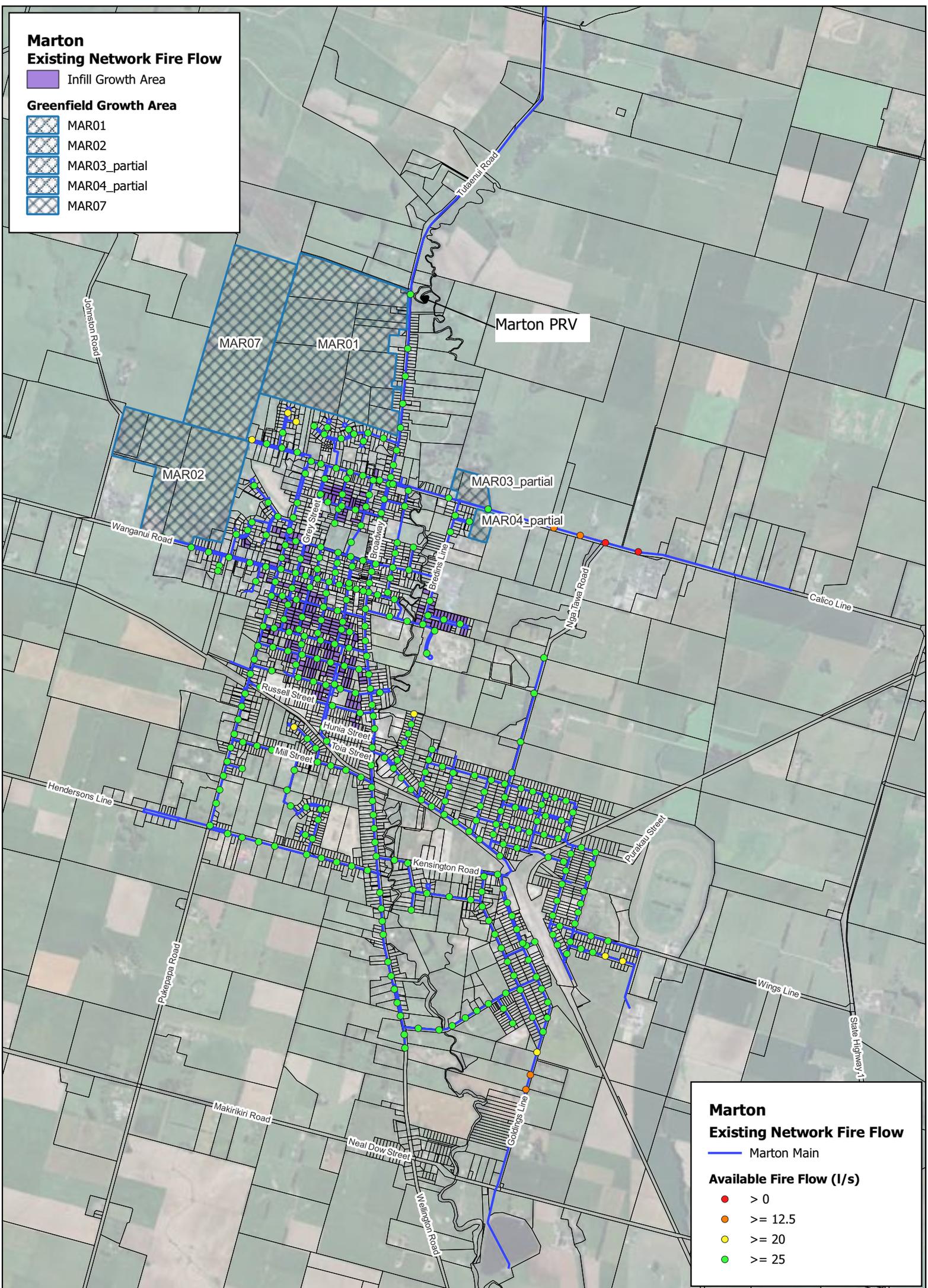
-  >= 0
-  >= 3
-  >= 5
-  >= 10
-  >= 25

**Marton  
Existing Network Fire Flow**

 Infill Growth Area

**Greenfield Growth Area**

-  MAR01
-  MAR02
-  MAR03\_partial
-  MAR04\_partial
-  MAR07

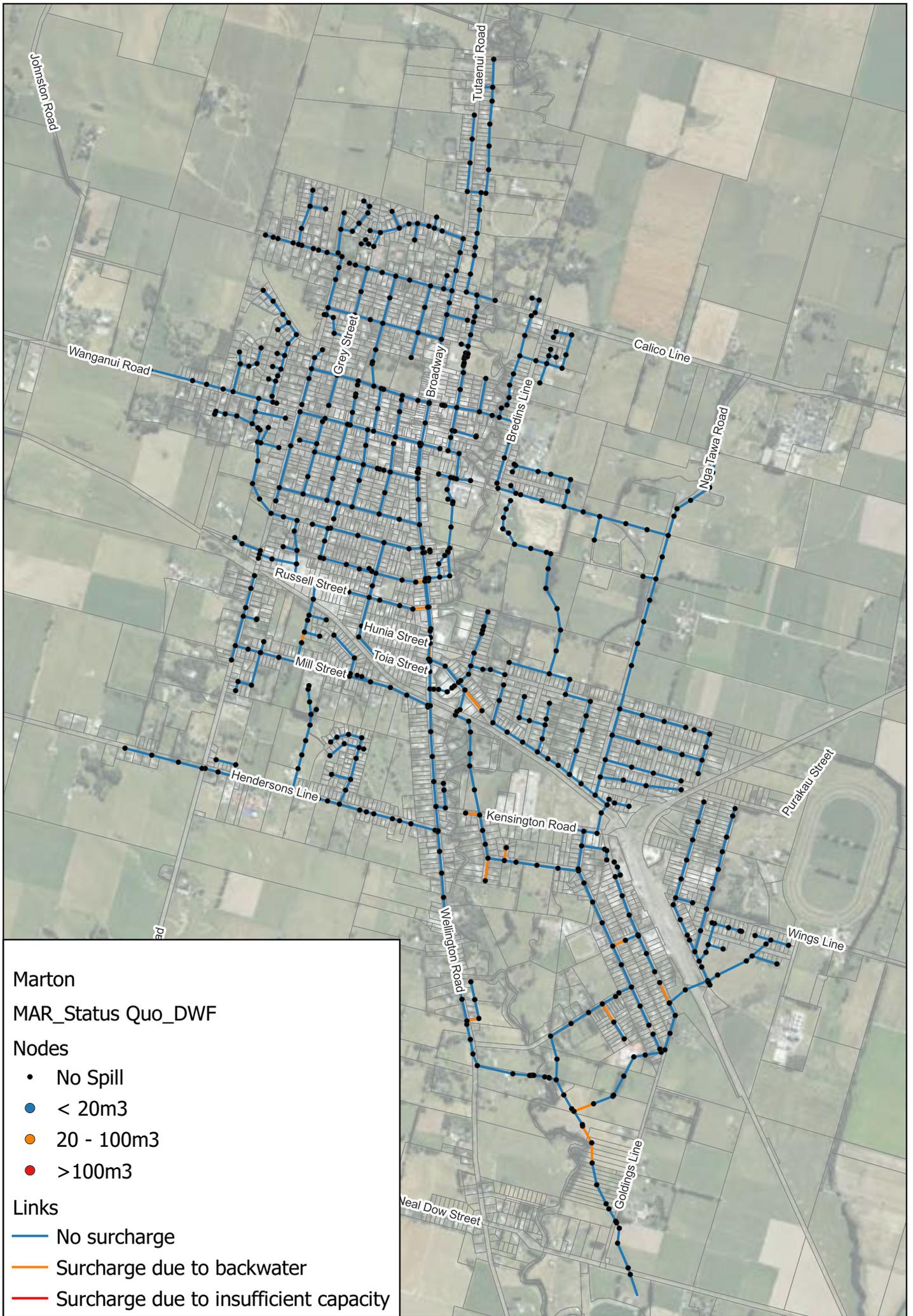


**Marton  
Existing Network Fire Flow**

 Marton Main

**Available Fire Flow (l/s)**

-  > 0
-  >= 12.5
-  >= 20
-  >= 25



**Marton**

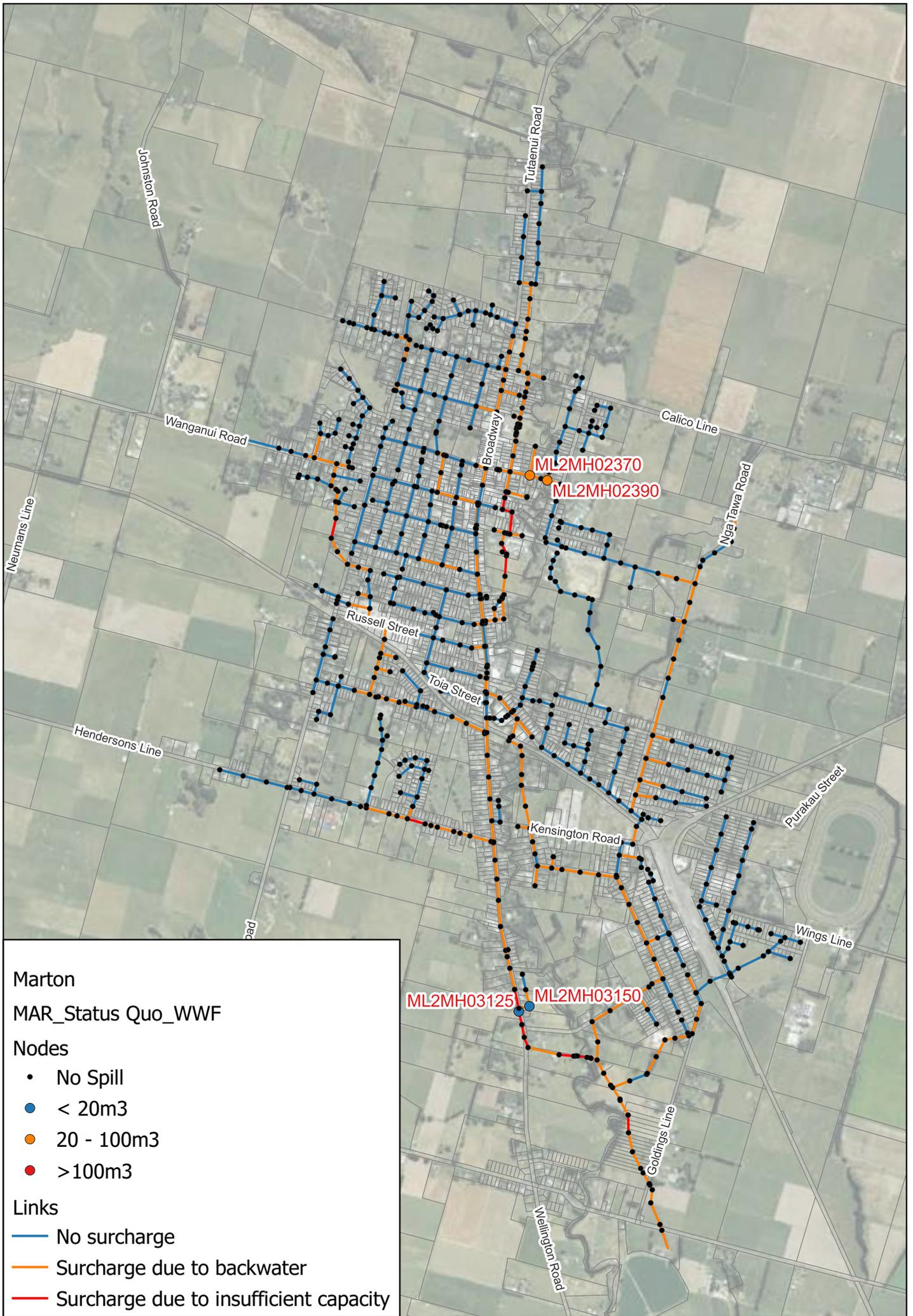
MAR\_Status Quo\_DWF

**Nodes**

- No Spill
- ● < 20m<sup>3</sup>
- ● 20 - 100m<sup>3</sup>
- ● >100m<sup>3</sup>

**Links**

- No surcharge
- Surcharge due to backwater
- Surcharge due to insufficient capacity



**Marton**

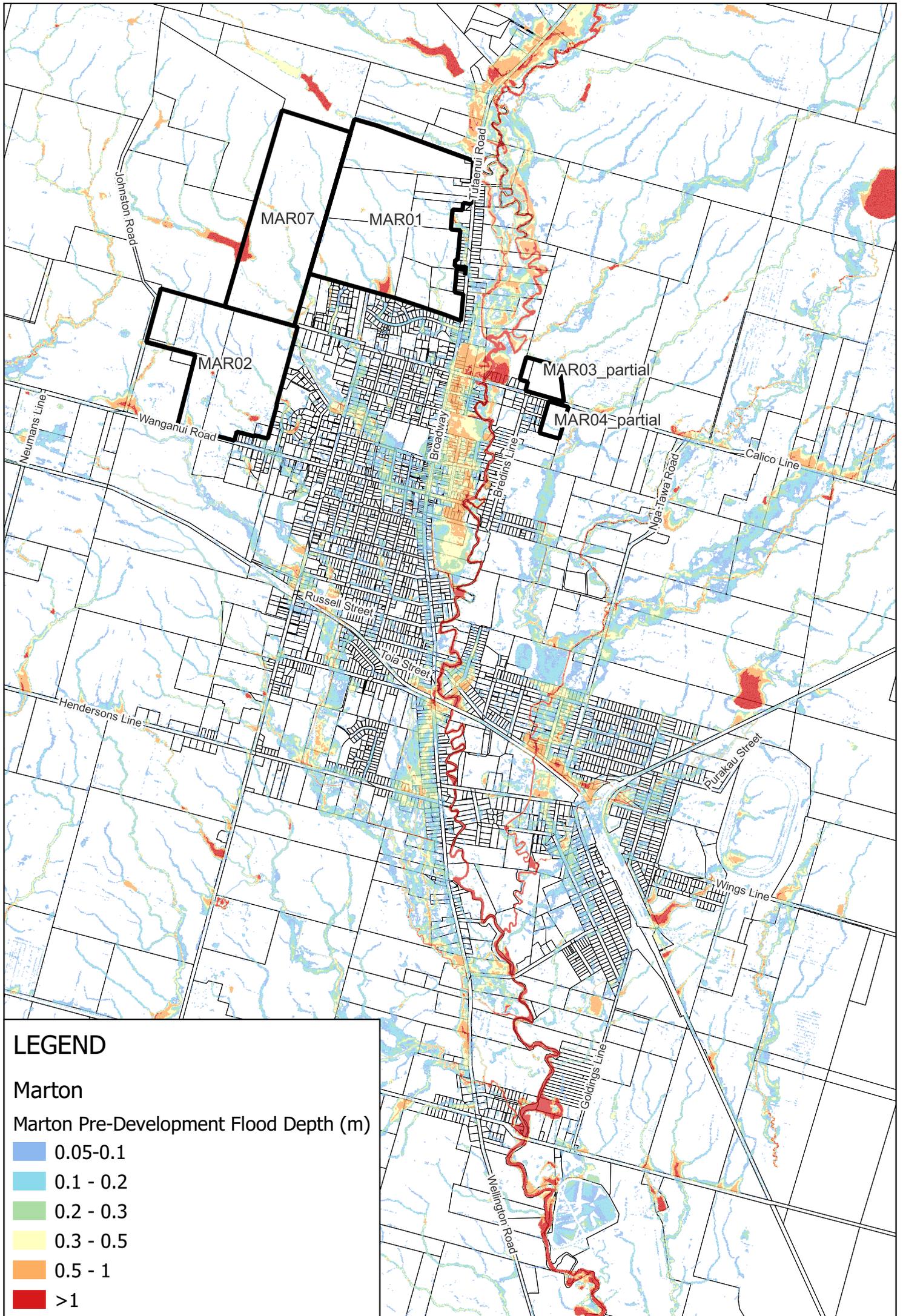
MAR\_Status Quo\_WWF

**Nodes**

- No Spill
- ● < 20m3
- ● 20 - 100m3
- ● > 100m3

**Links**

- No surcharge
- Surcharge due to backwater
- Surcharge due to insufficient capacity



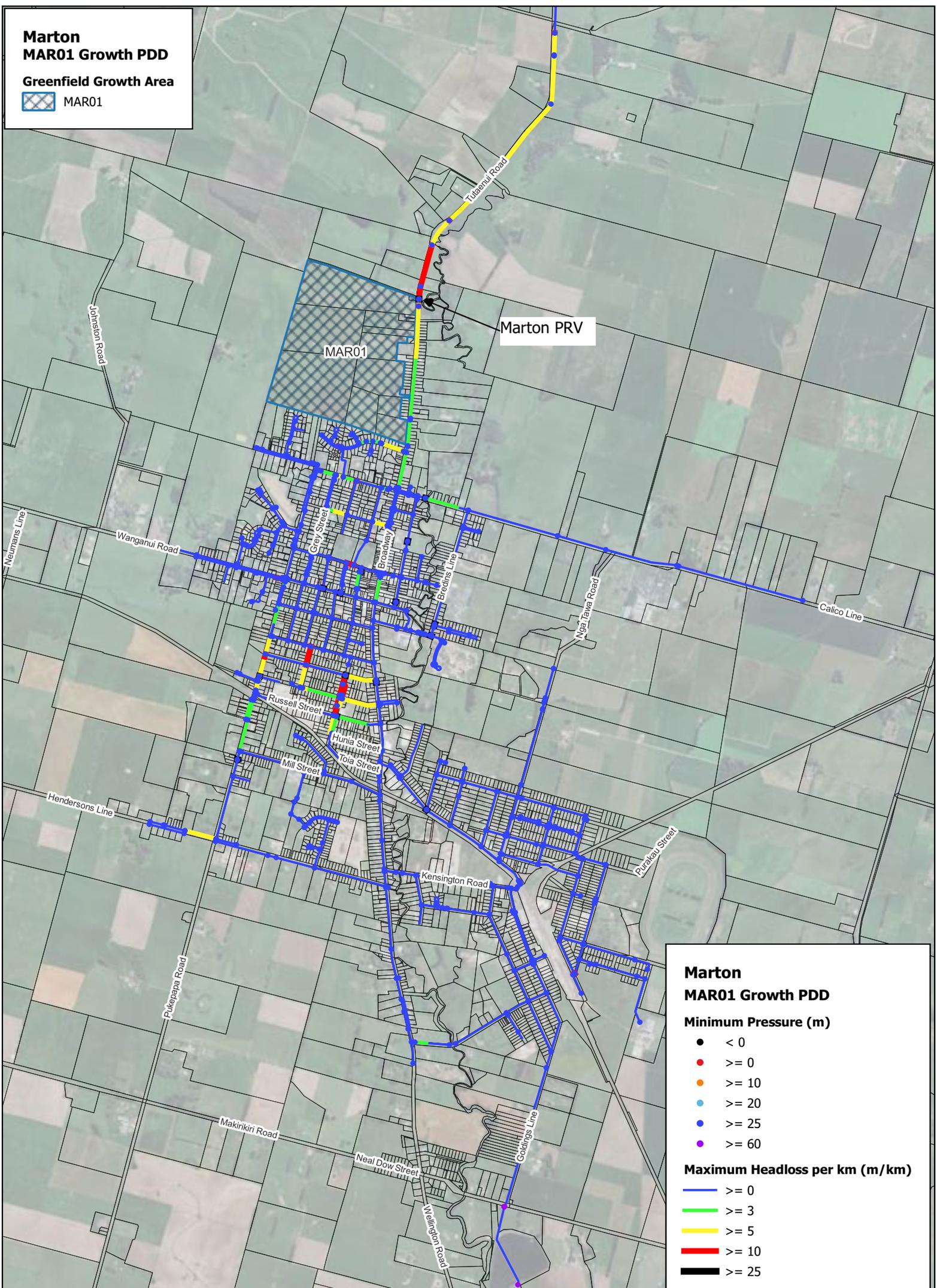
### LEGEND

Marton

Marton Pre-Development Flood Depth (m)

- 0.05-0.1
- 0.1 - 0.2
- 0.2 - 0.3
- 0.3 - 0.5
- 0.5 - 1
- >1

**Marton  
MAR01 Growth PDD**  
Greenfield Growth Area  
MAR01



**Marton  
MAR01 Growth PDD**

**Minimum Pressure (m)**

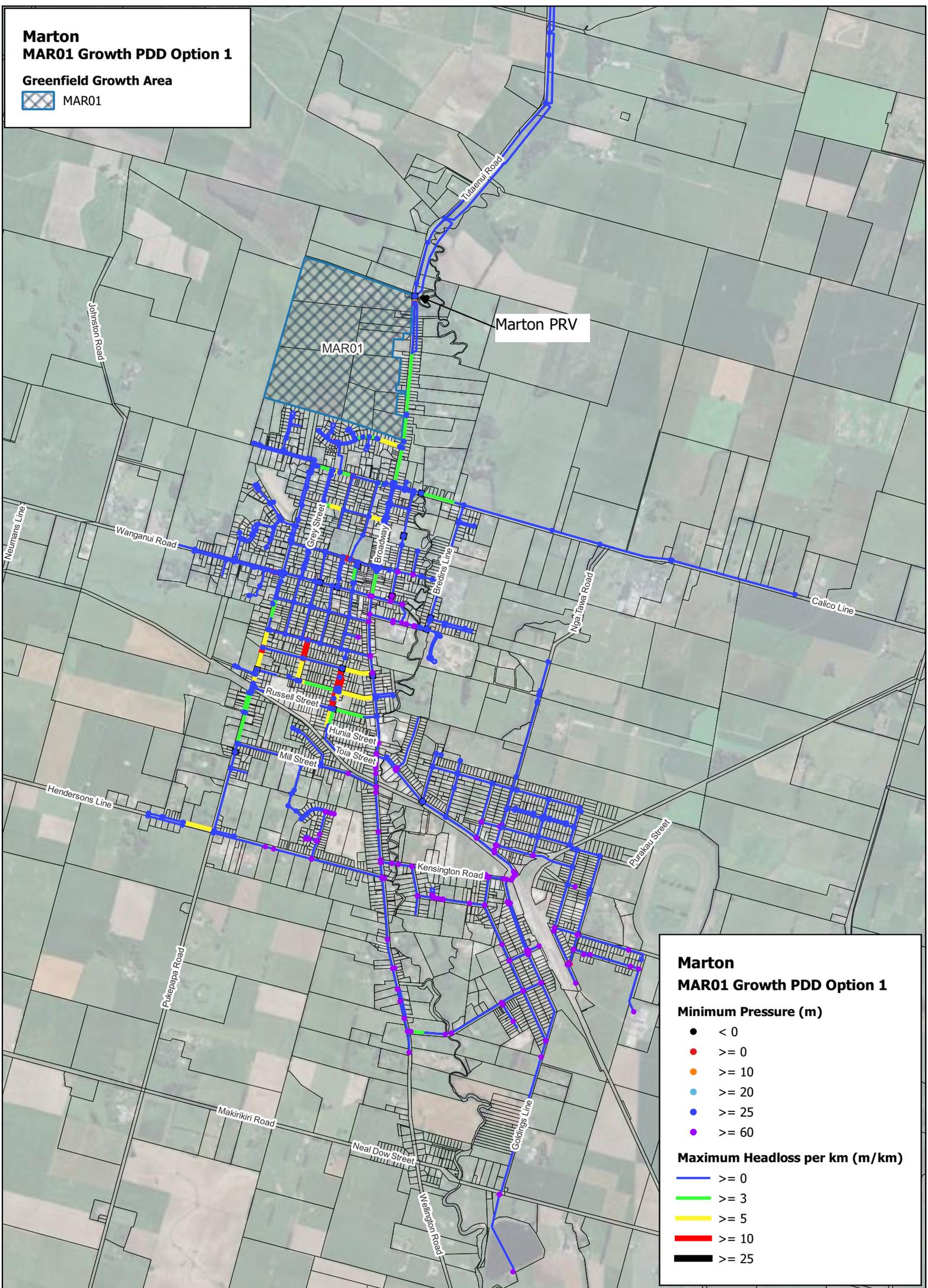
- < 0
- ≥ 0
- ≥ 10
- ≥ 20
- ≥ 25
- ≥ 60

**Maximum Headloss per km (m/km)**

- ≥ 0
- ≥ 3
- ≥ 5
- ≥ 10
- ≥ 25

# Marton MAR01 Growth PDD Option 1

Greenfield Growth Area



## Marton MAR01 Growth PDD Option 1

### Minimum Pressure (m)

- < 0
- >= 0
- >= 10
- >= 20
- >= 25
- >= 60

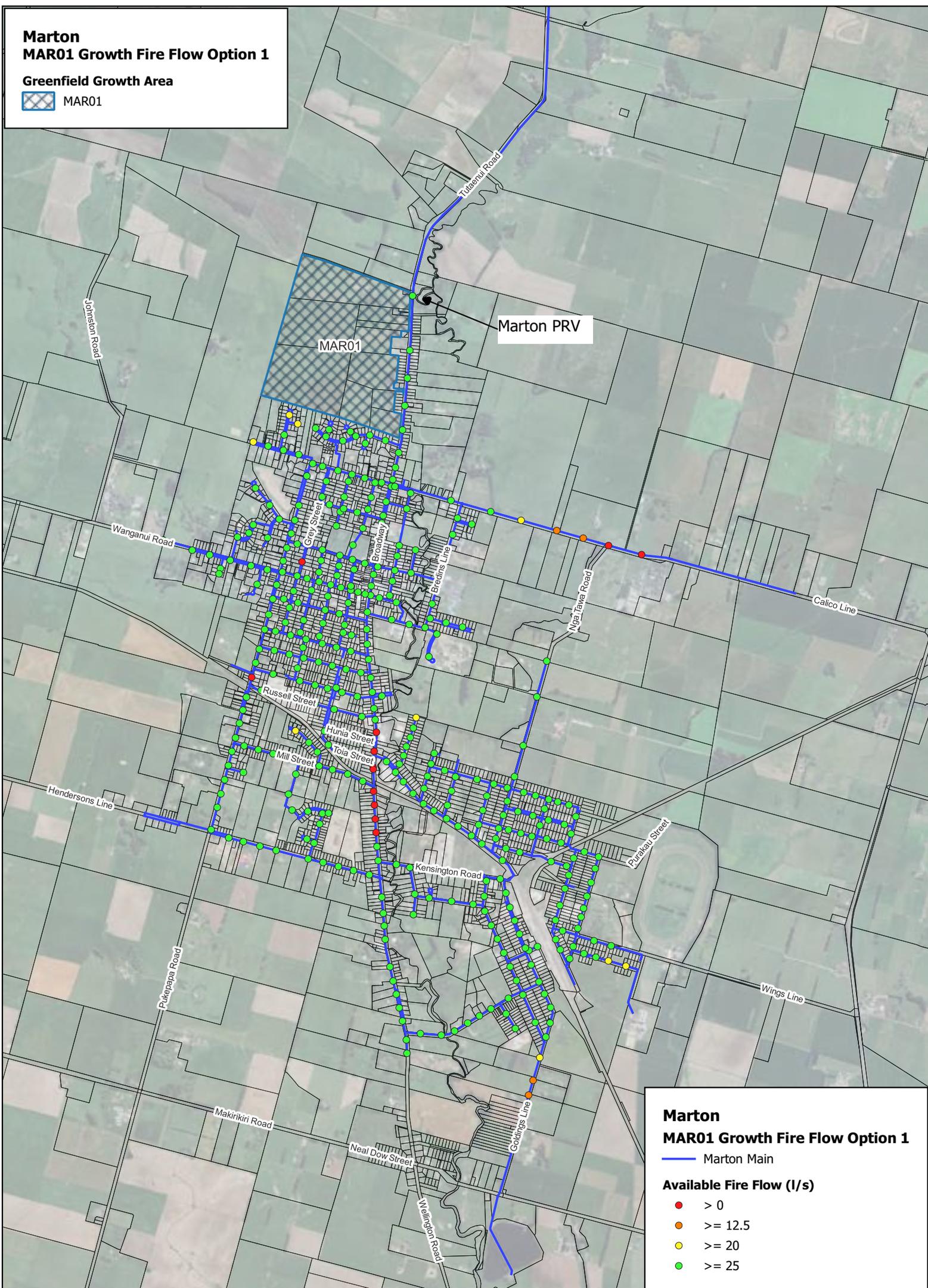
### Maximum Headloss per km (m/km)

- >= 0
- >= 3
- >= 5
- >= 10
- >= 25

**Marton  
MAR01 Growth Fire Flow Option 1**

**Greenfield Growth Area**

 MAR01

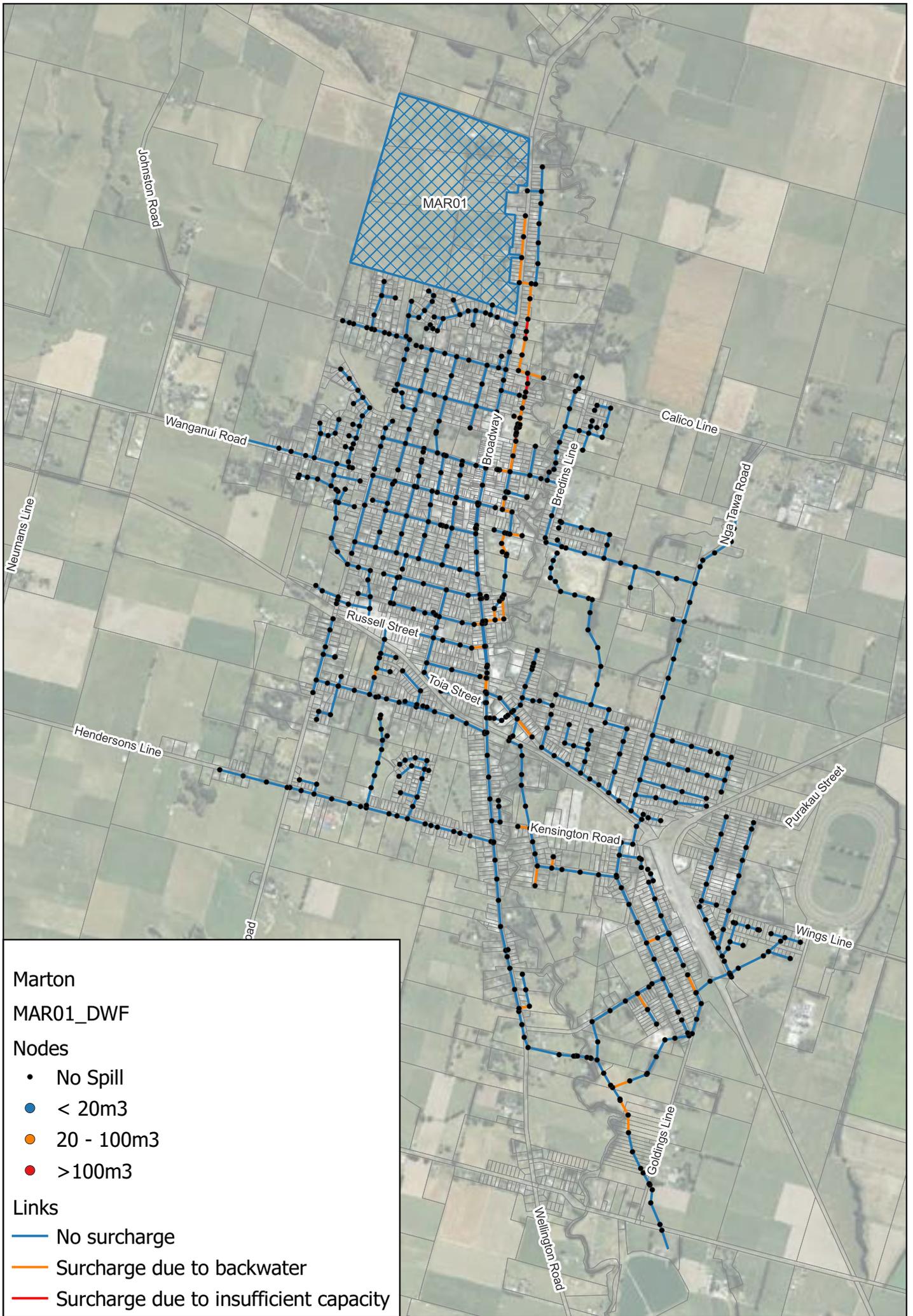


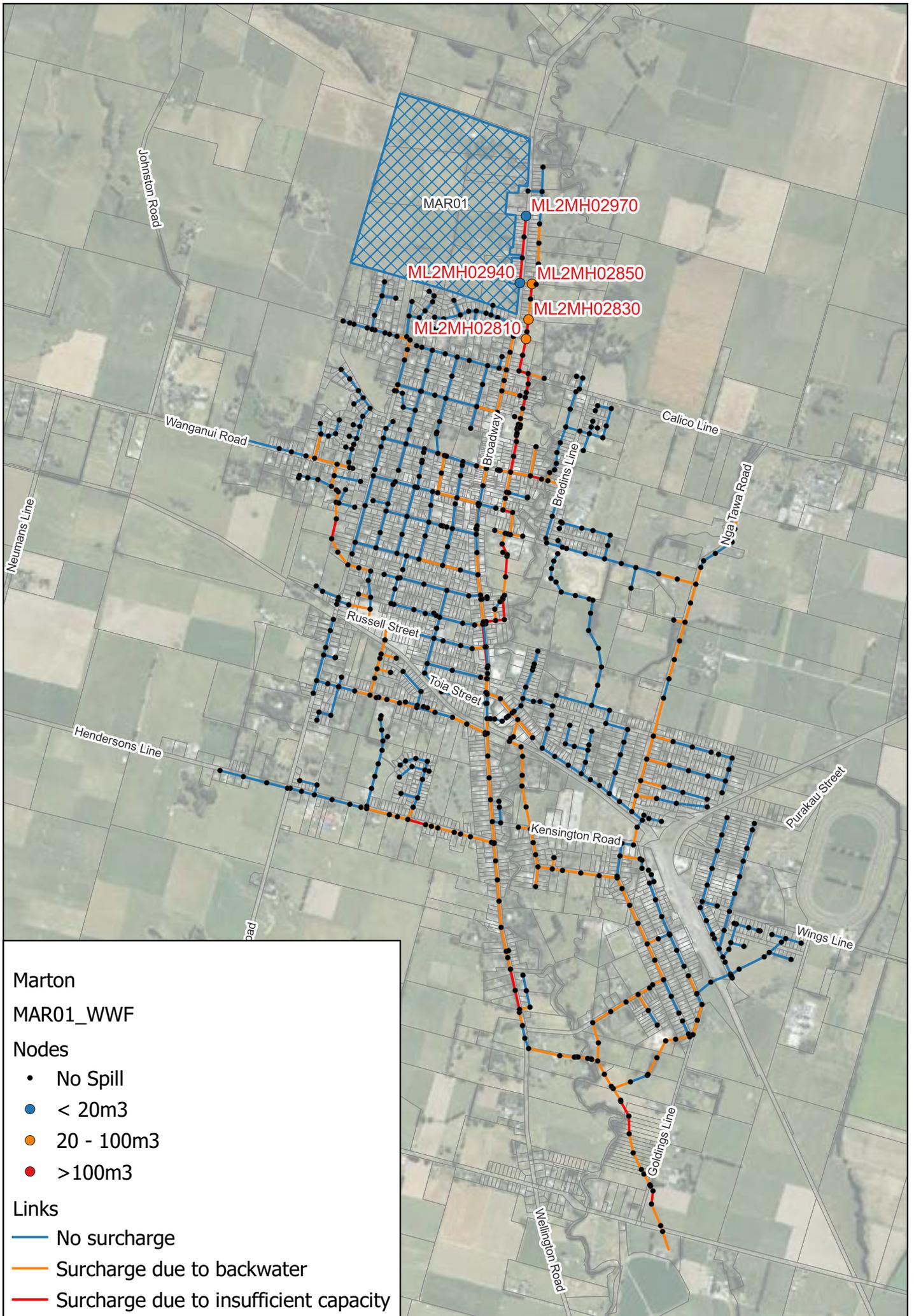
**Marton  
MAR01 Growth Fire Flow Option 1**

 Marton Main

**Available Fire Flow (l/s)**

-  > 0
-  >= 12.5
-  >= 20
-  >= 25





**Marton**

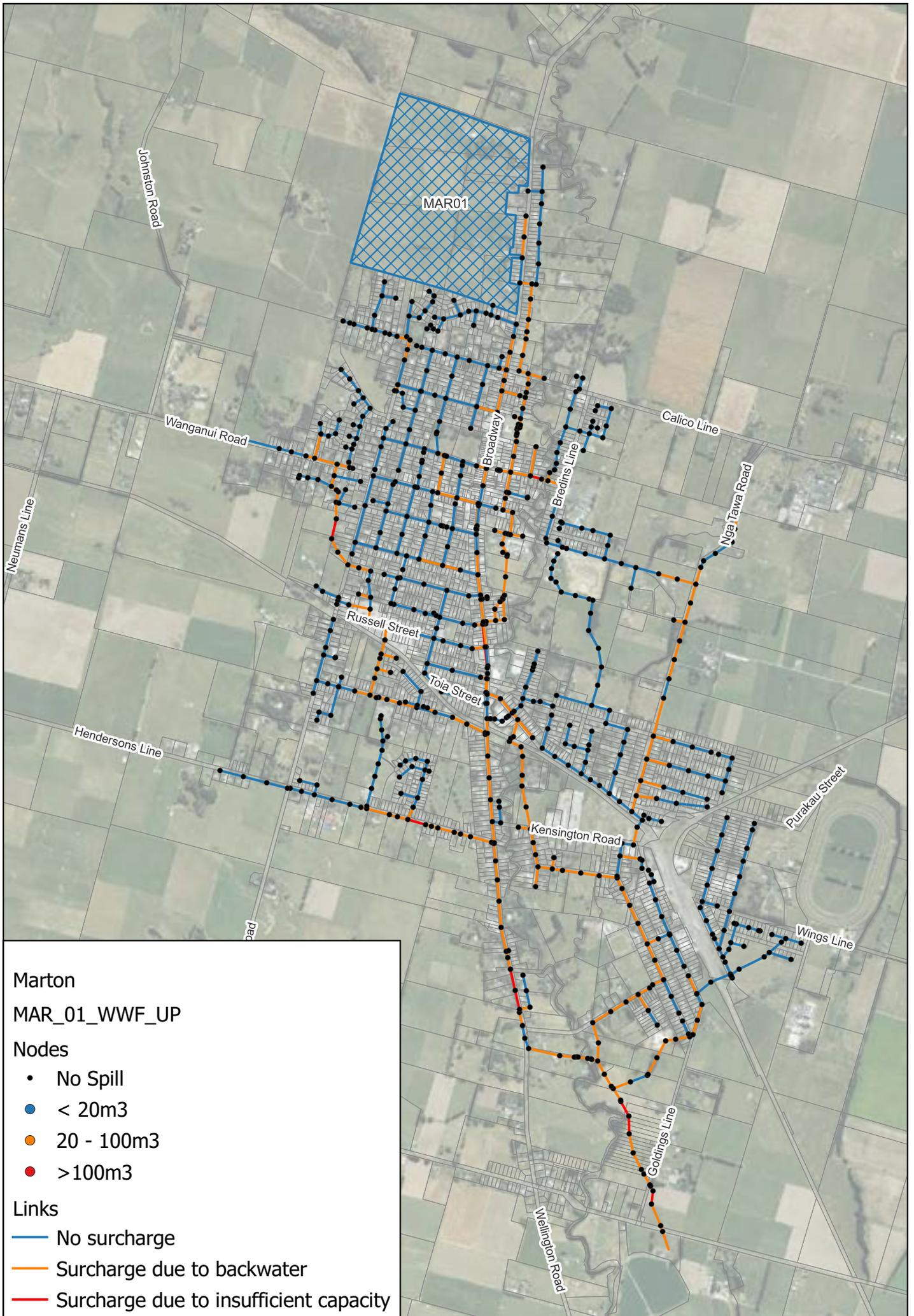
MAR01\_WWF

**Nodes**

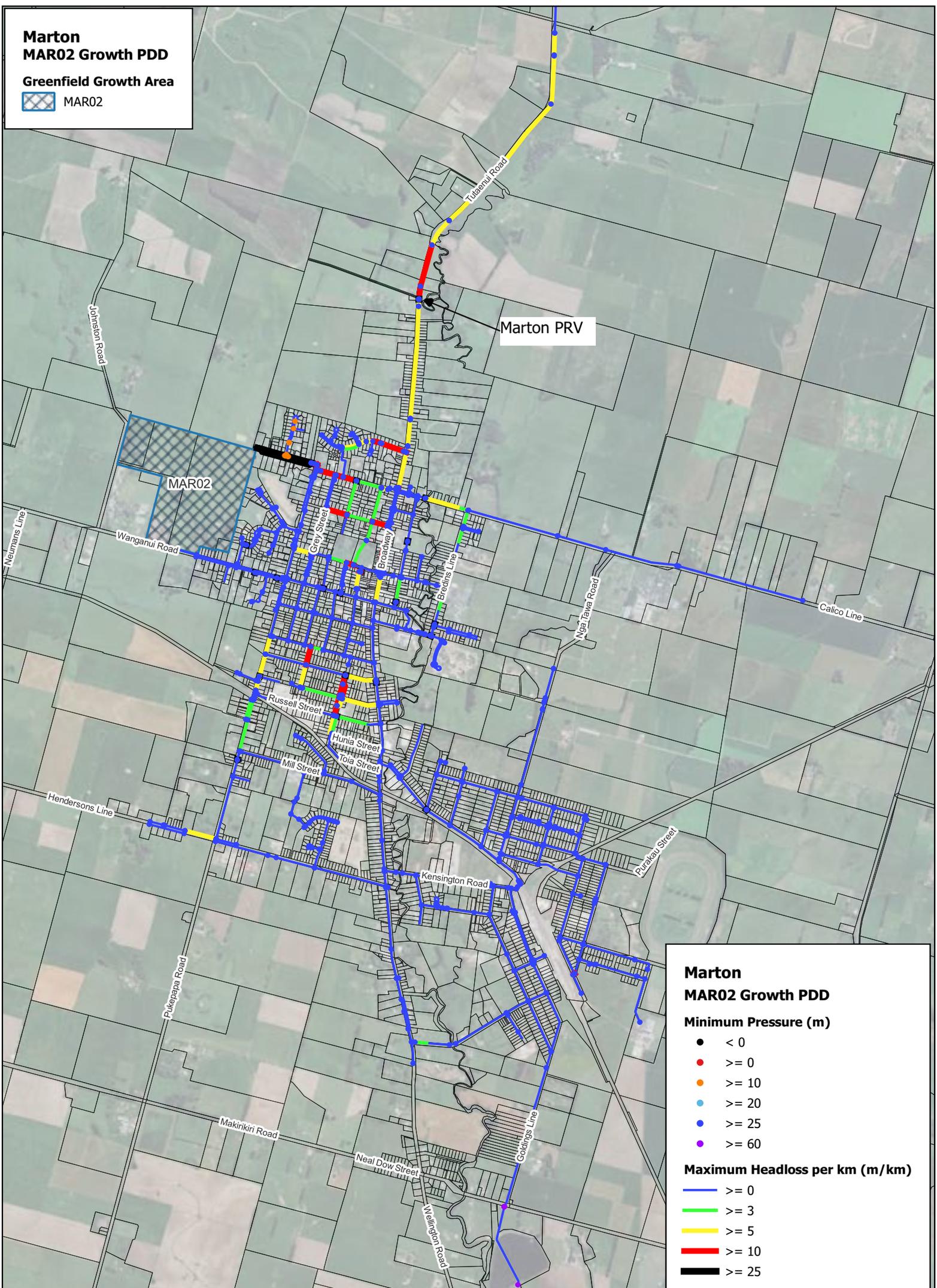
- No Spill
- ● < 20m3
- ● 20 - 100m3
- ● > 100m3

**Links**

- No surcharge
- Surcharge due to backwater
- Surcharge due to insufficient capacity



**Marton  
MAR02 Growth PDD**  
Greenfield Growth Area  
MAR02



**Marton  
MAR02 Growth PDD**

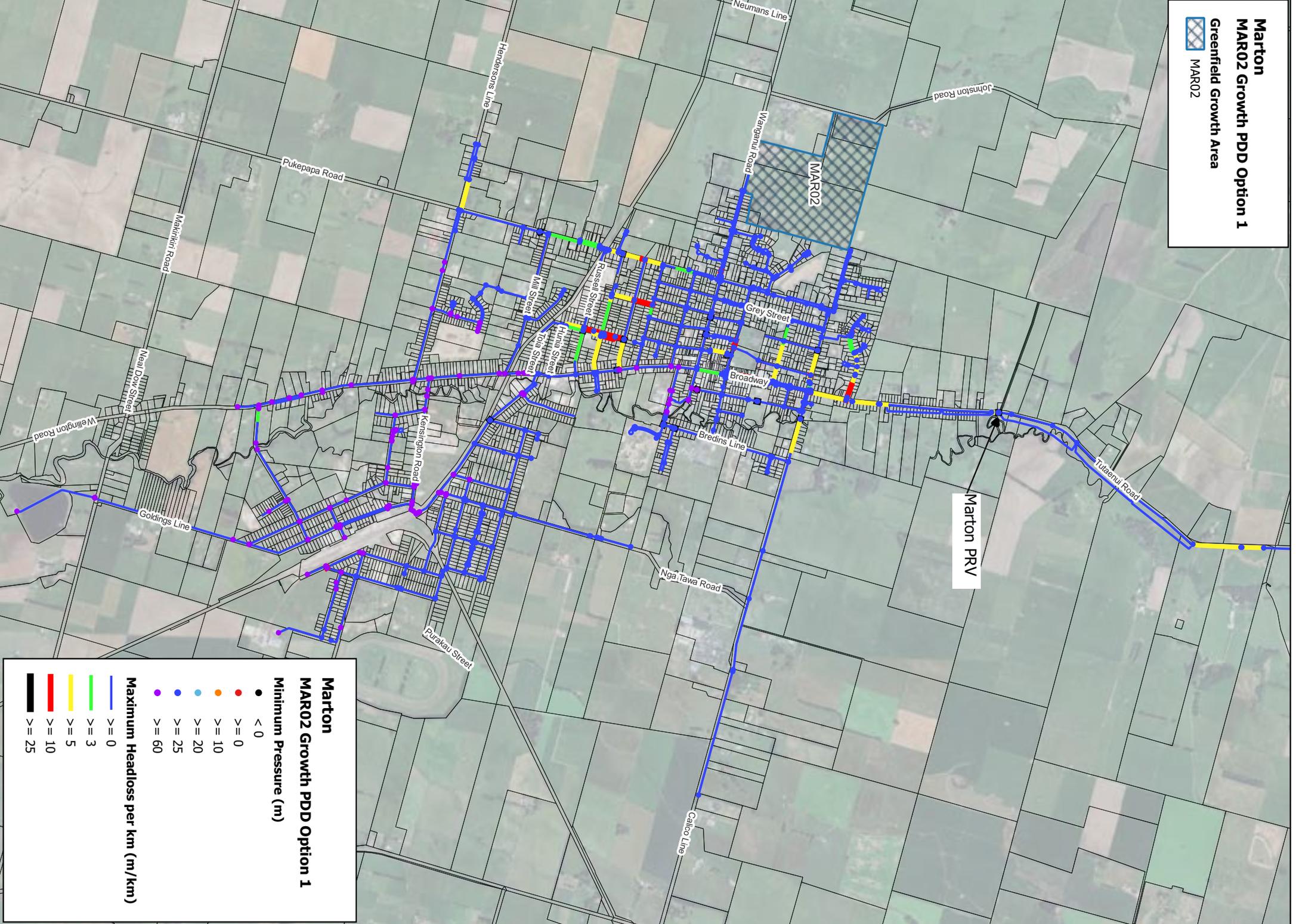
**Minimum Pressure (m)**

- < 0
- >= 0
- >= 10
- >= 20
- >= 25
- >= 60

**Maximum Headloss per km (m/km)**

- >= 0
- >= 3
- >= 5
- >= 10
- >= 25

**Marton  
MAR02 Growth PDD Option 1  
Greenfield Growth Area  
MAR02**



**Marton  
MAR02 Growth PDD Option 1**

**Minimum Pressure (m)**

- < 0
- >= 0
- >= 10
- >= 20
- >= 25
- >= 60

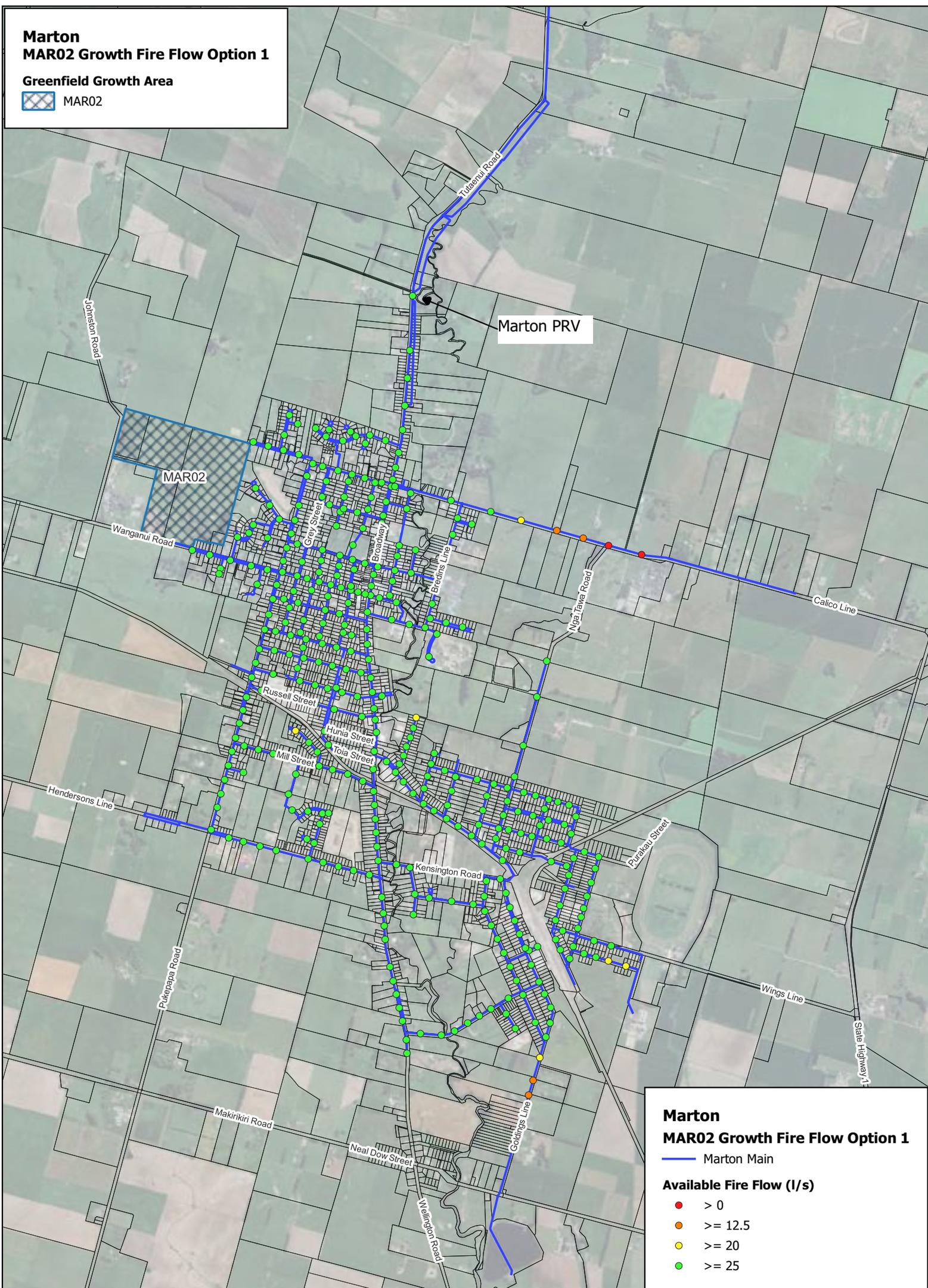
**Maximum Headloss per km (m/km)**

- >= 0
- >= 3
- >= 5
- >= 10
- >= 25

**Marton  
MAR02 Growth Fire Flow Option 1**

**Greenfield Growth Area**

 MAR02



**Marton  
MAR02 Growth Fire Flow Option 1**

 Marton Main

**Available Fire Flow (l/s)**

-  > 0
-  >= 12.5
-  >= 20
-  >= 25

