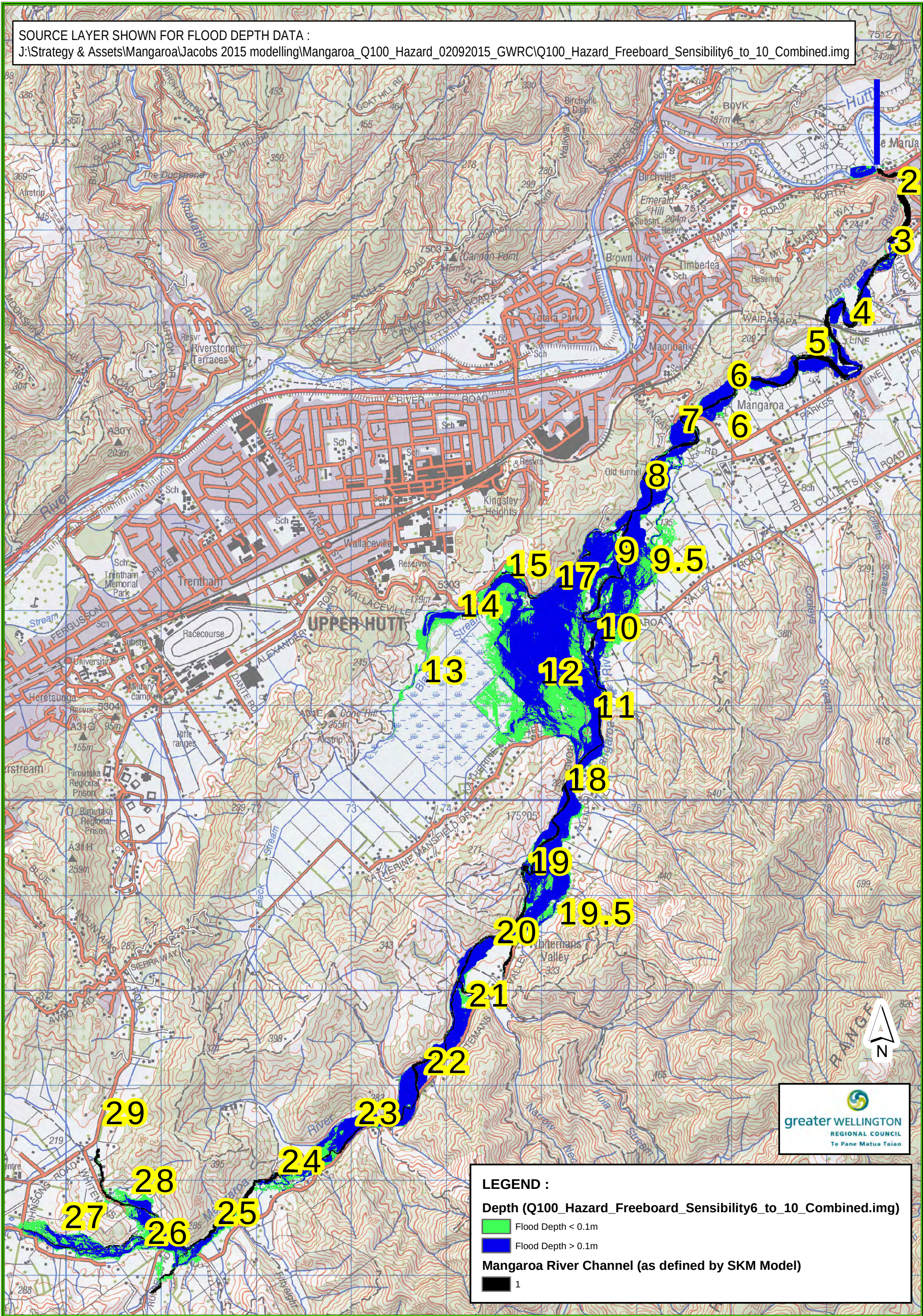


SOURCE LAYER SHOWN FOR FLOOD DEPTH DATA :  
J:\Strategy & Assets\Mangaroa\Jacobs 2015 modelling\Mangaroa\_Q100\_Hazard\_02092015\_GWRC\Q100\_Hazard\_Freeboard\_Sensibility6\_to\_10\_Combined.img

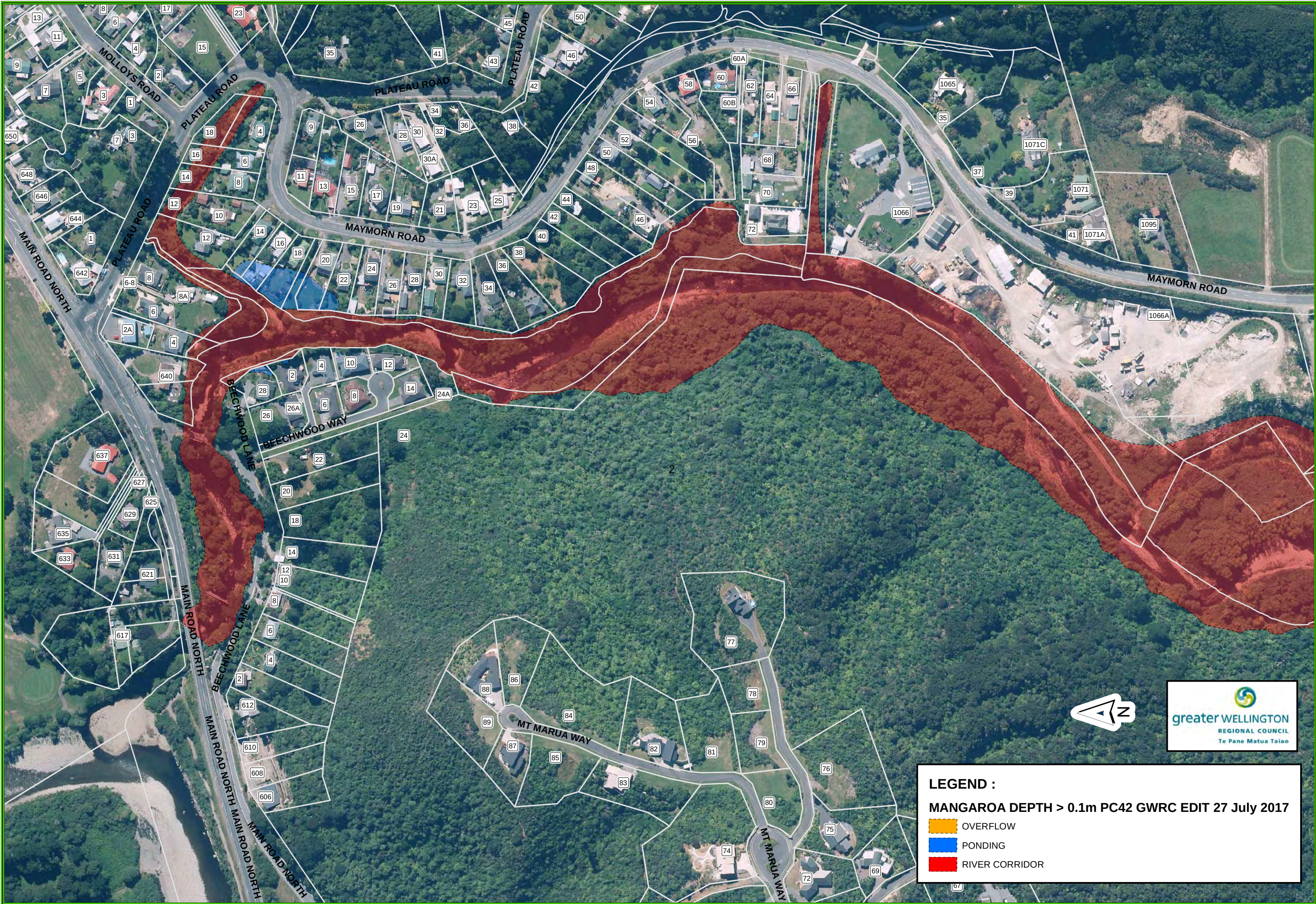


0 0.25 0.5 1 Kilometers

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m) - SHEET LAYOUT

Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017 - Sheet Layout.mxd





**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

-  OVERFLOW
-  PONDING
-  RIVER CORRIDOR

0 20 40 80 Meters  
A3 Scale 1 : 2,500

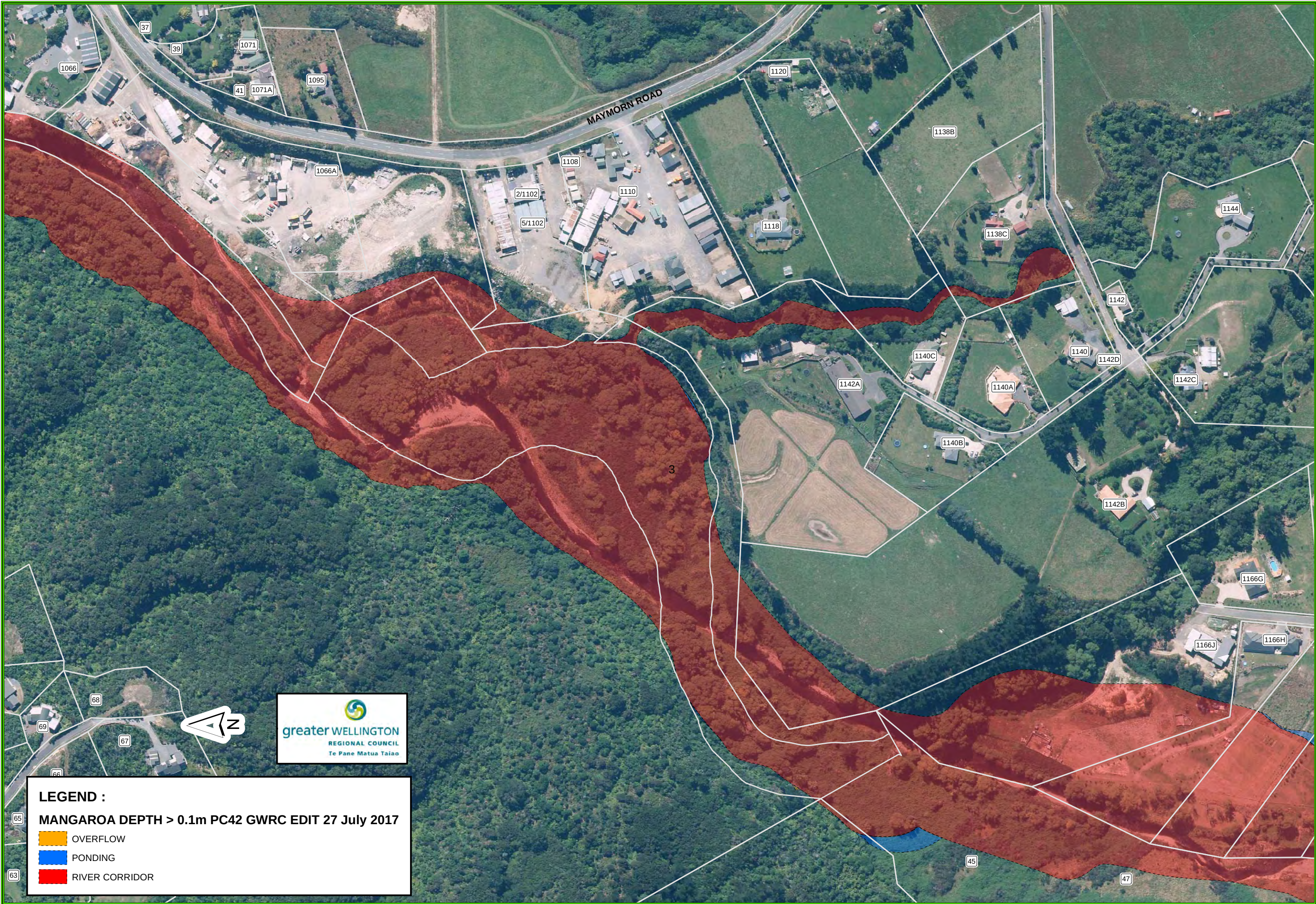
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

**SHEET 2**

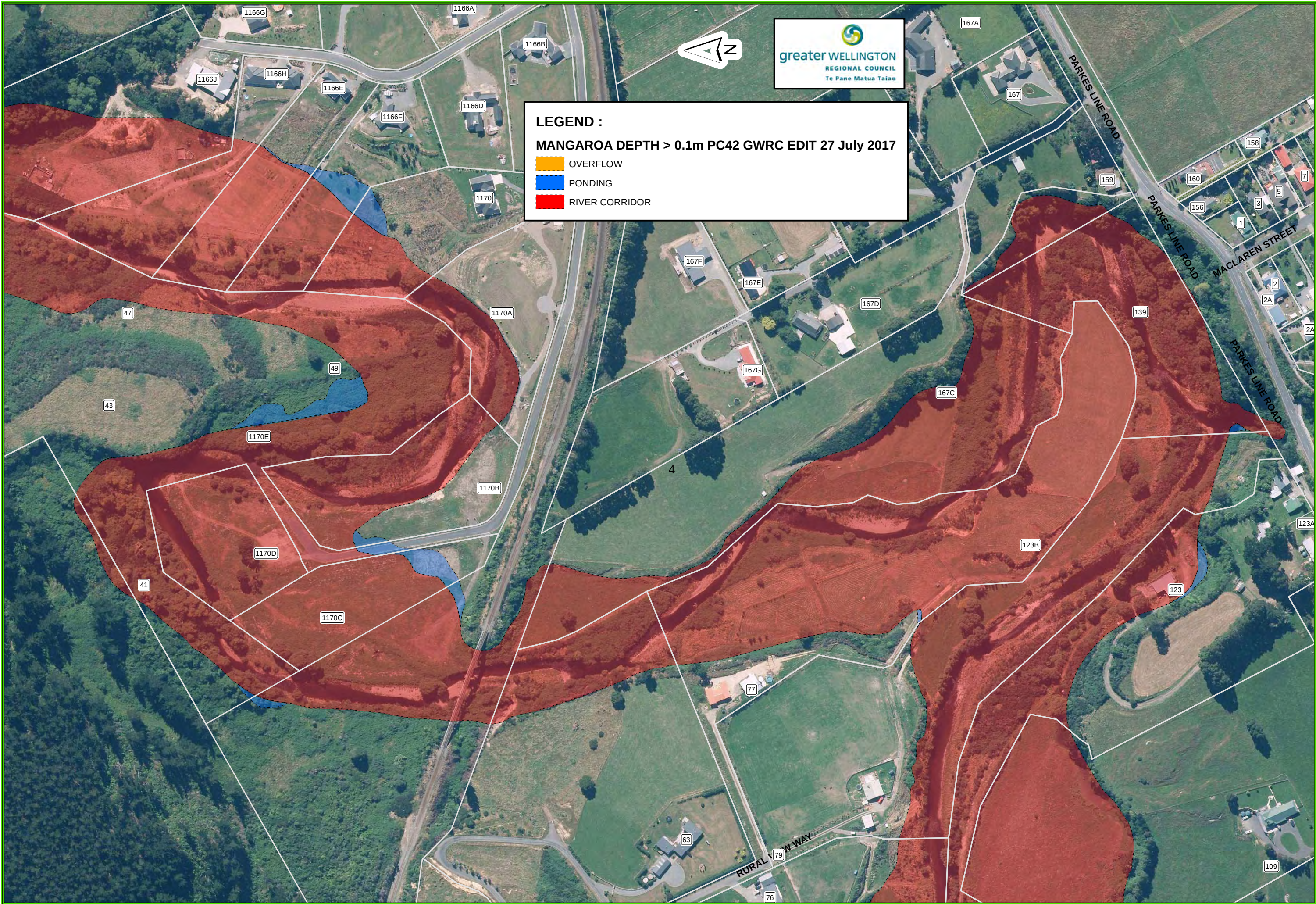
AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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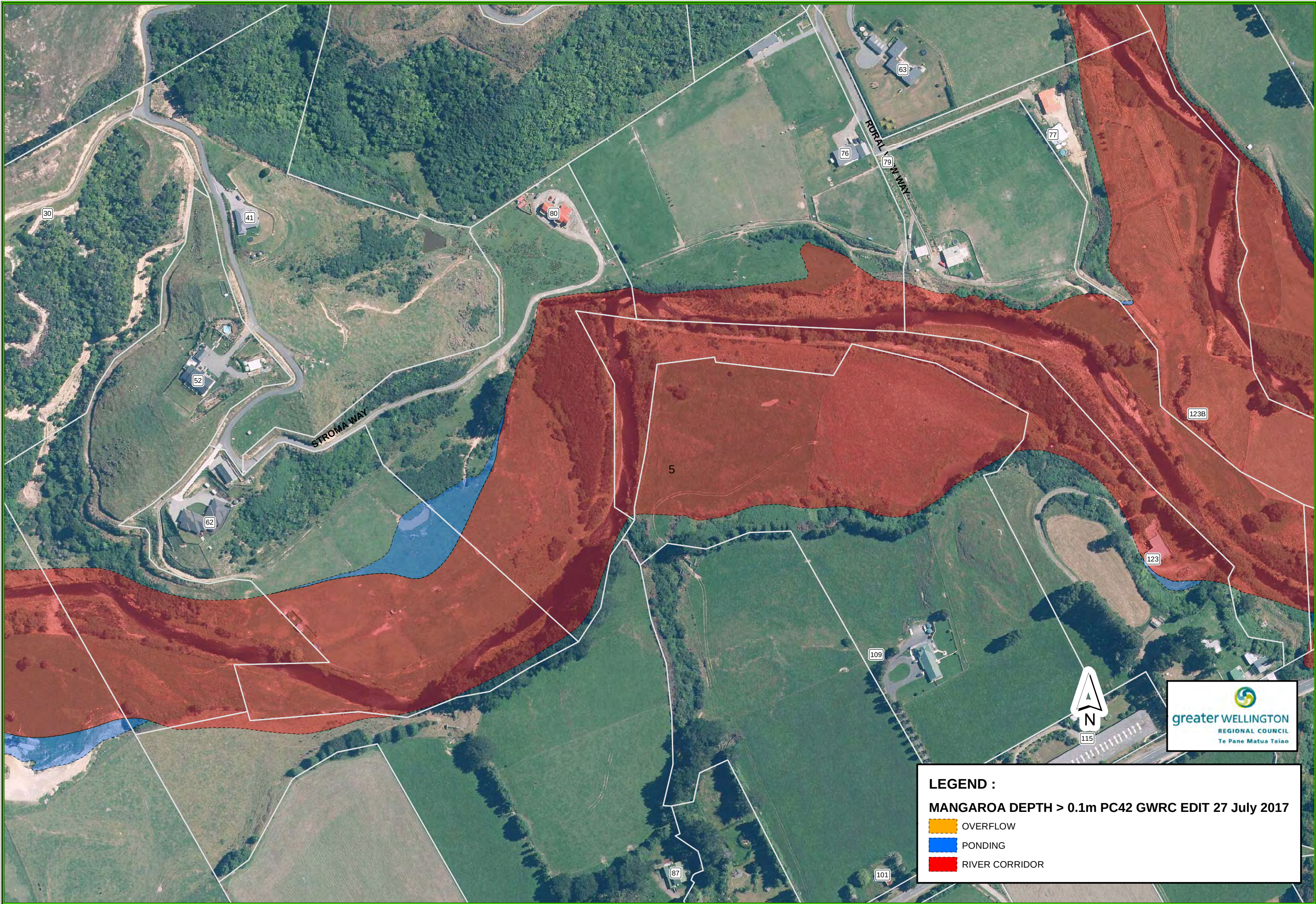
0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 4

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
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0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 5

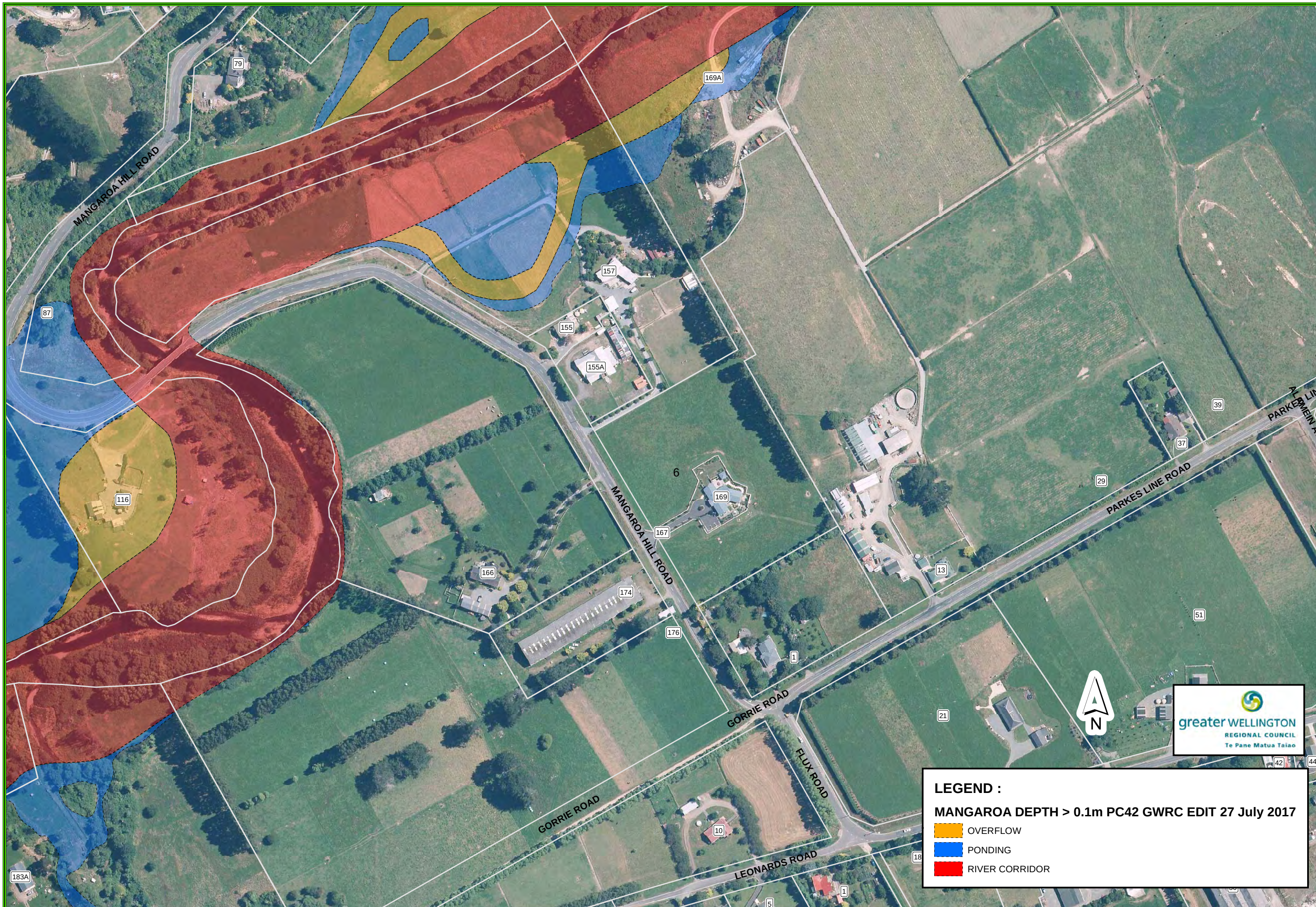
**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 6

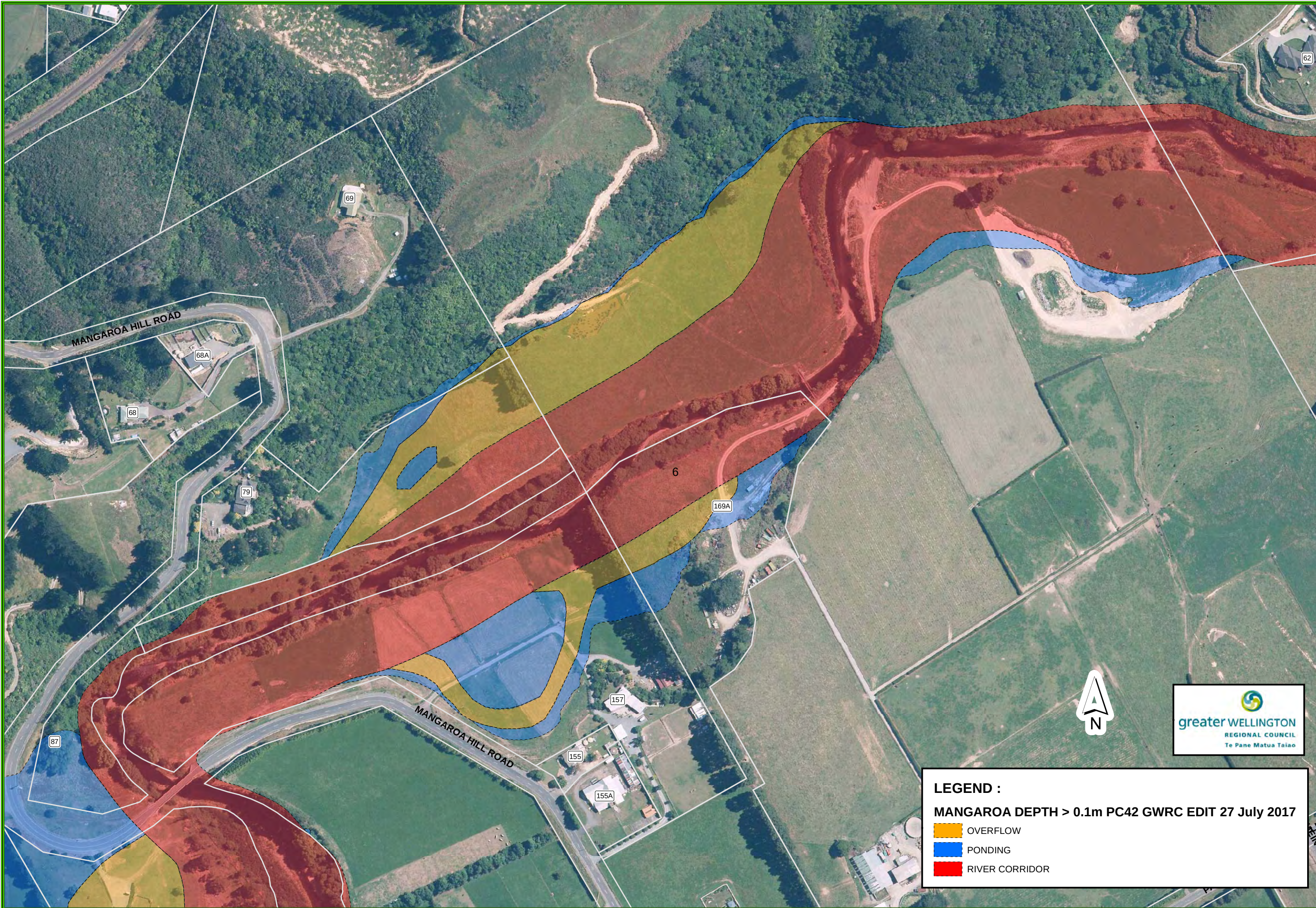
**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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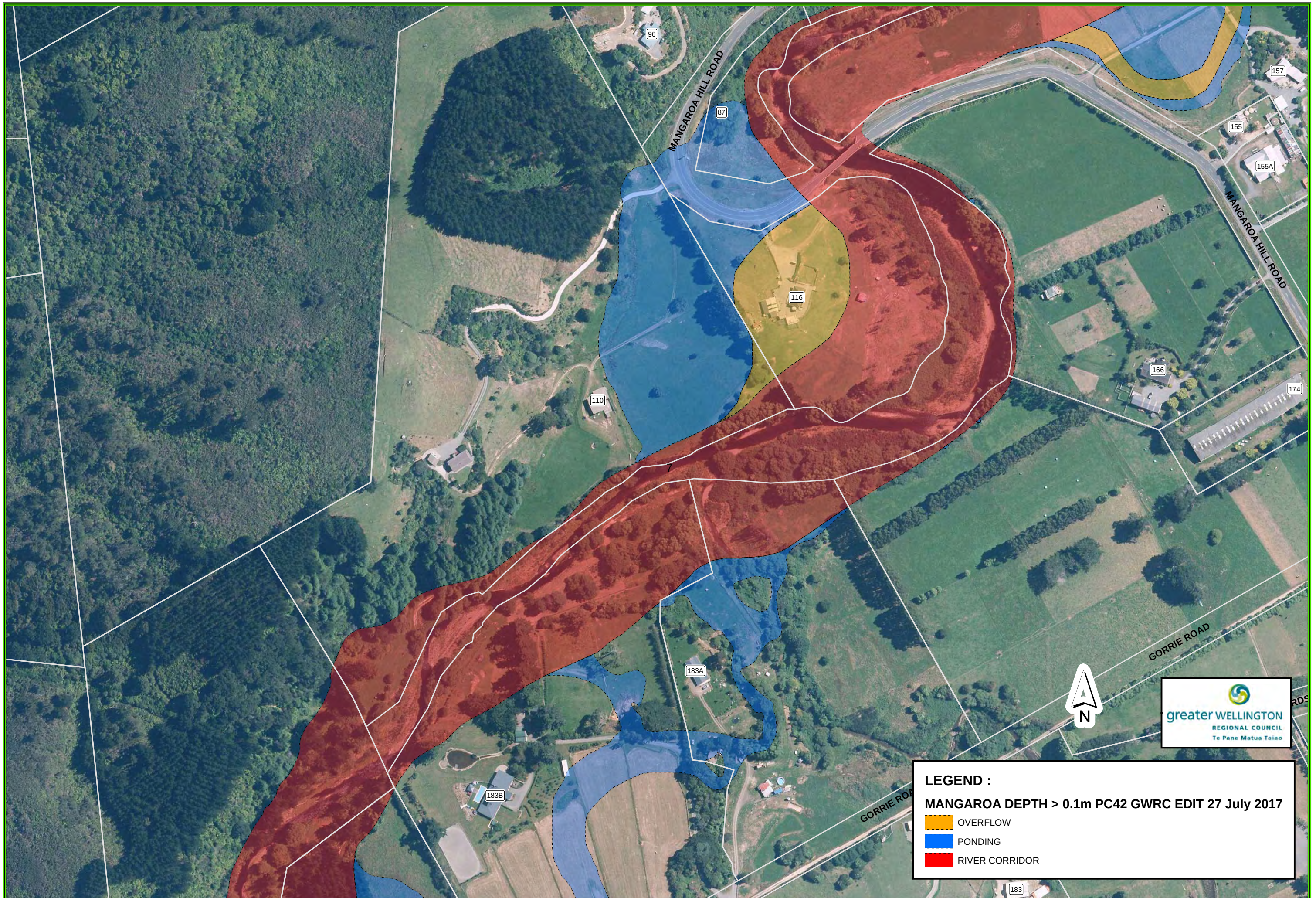


**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

-  OVERFLOW
-  PONDING
-  RIVER CORRIDOR





0 20 40 80 Meters  
A3 Scale 1 : 2,500

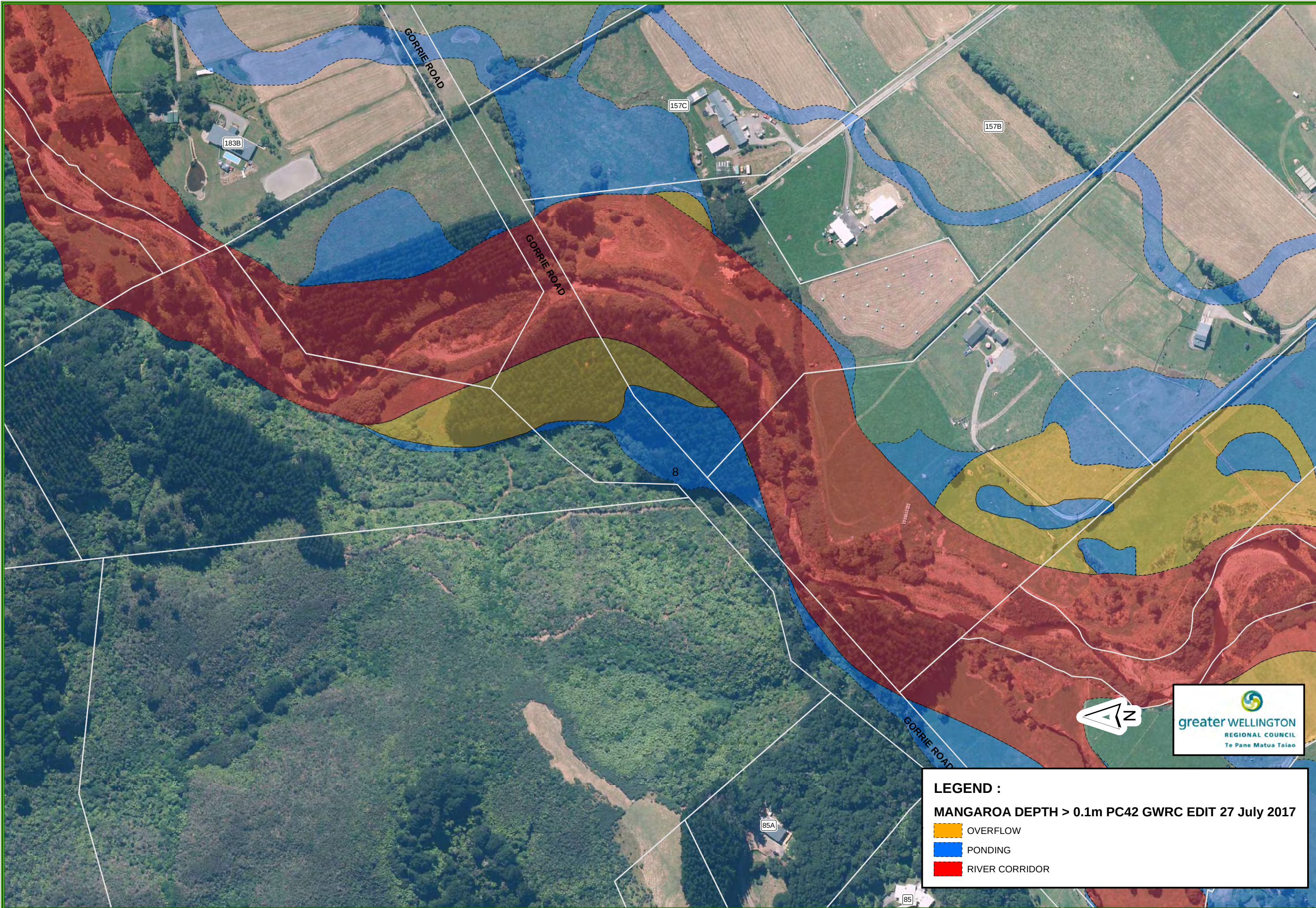
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 7

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

|  |                |
|--|----------------|
|  | OVERFLOW       |
|  | PONDING        |
|  | RIVER CORRIDOR |

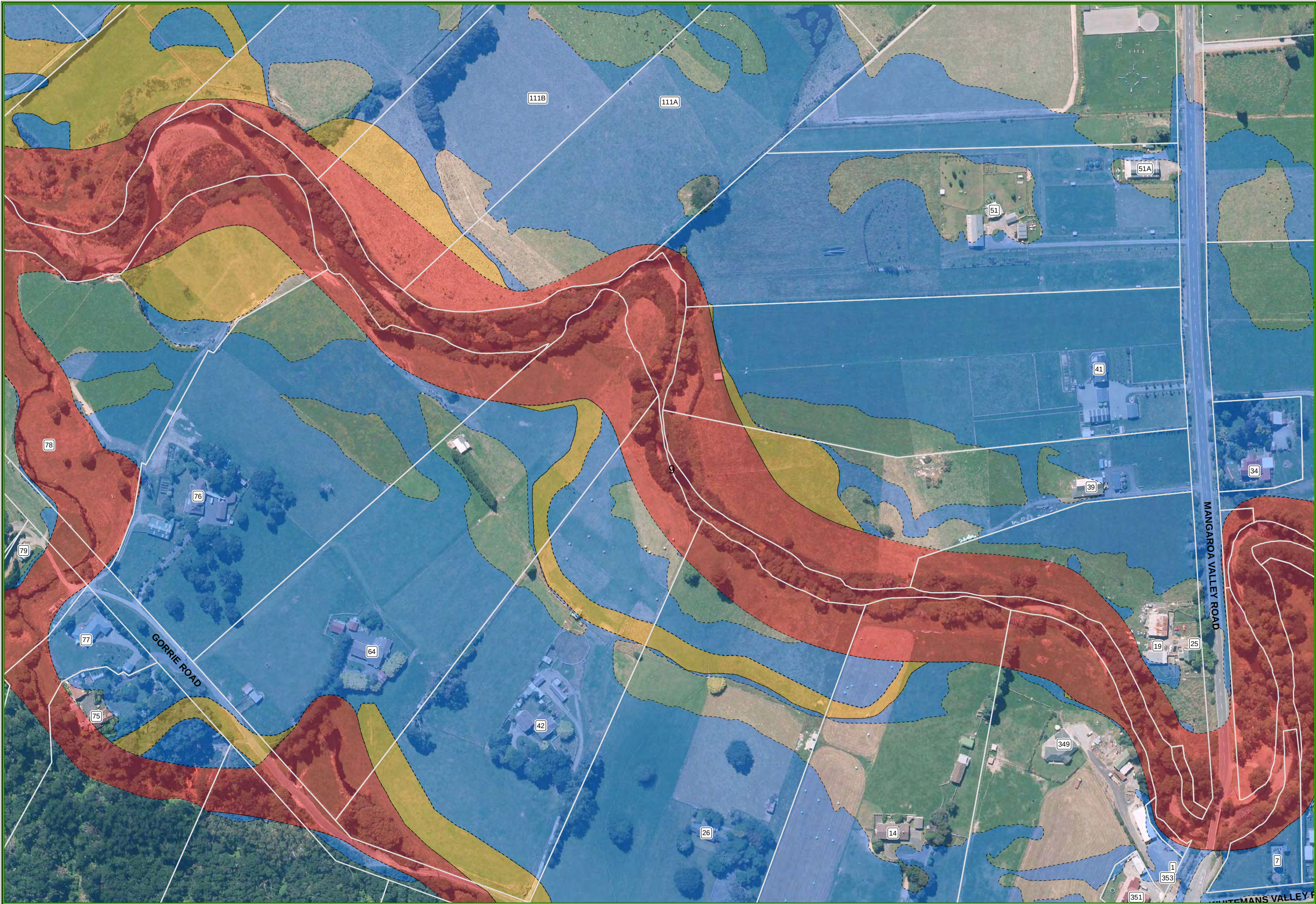
0 20 40 80 Meters  
A3 Scale 1 : 2,500

# MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m) SHEET 8

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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0 20 40 80 Meters  
A3 Scale 1 : 2,500

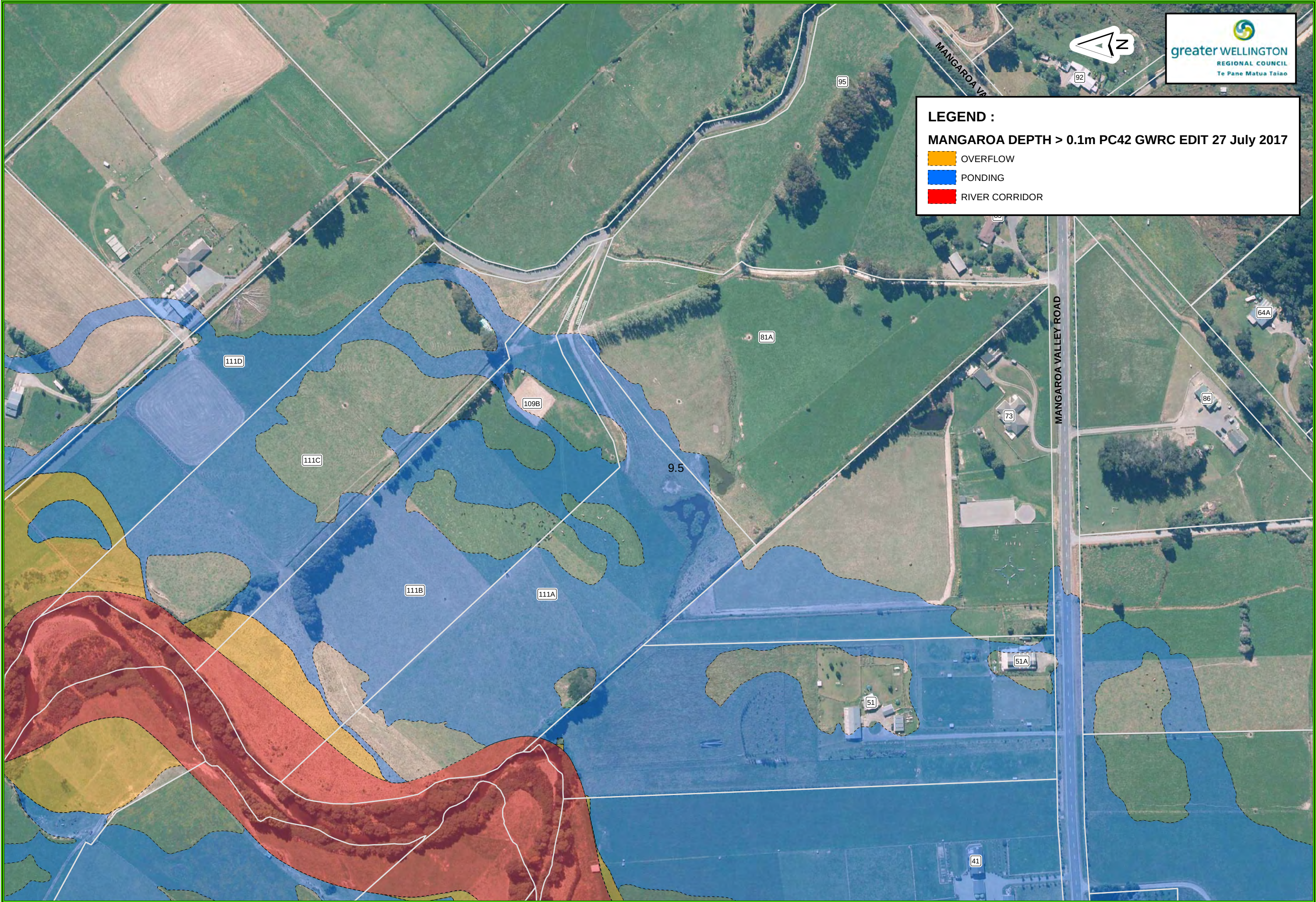
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 9

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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0 20 40 80 Meters  
A3 Scale 1 : 2,500

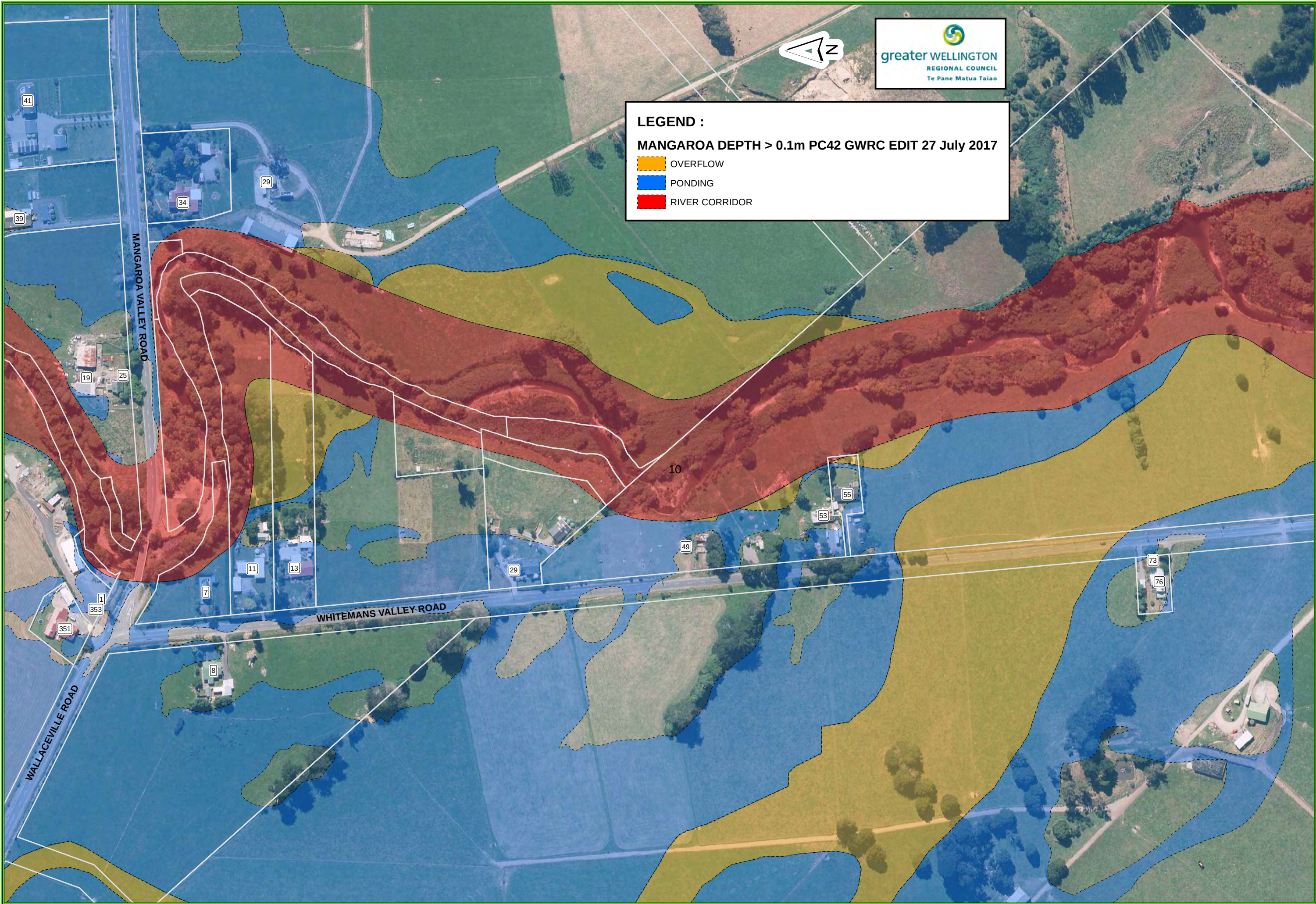
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 9.5

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

|  |                |
|--|----------------|
|  | OVERFLOW       |
|  | PONDING        |
|  | RIVER CORRIDOR |

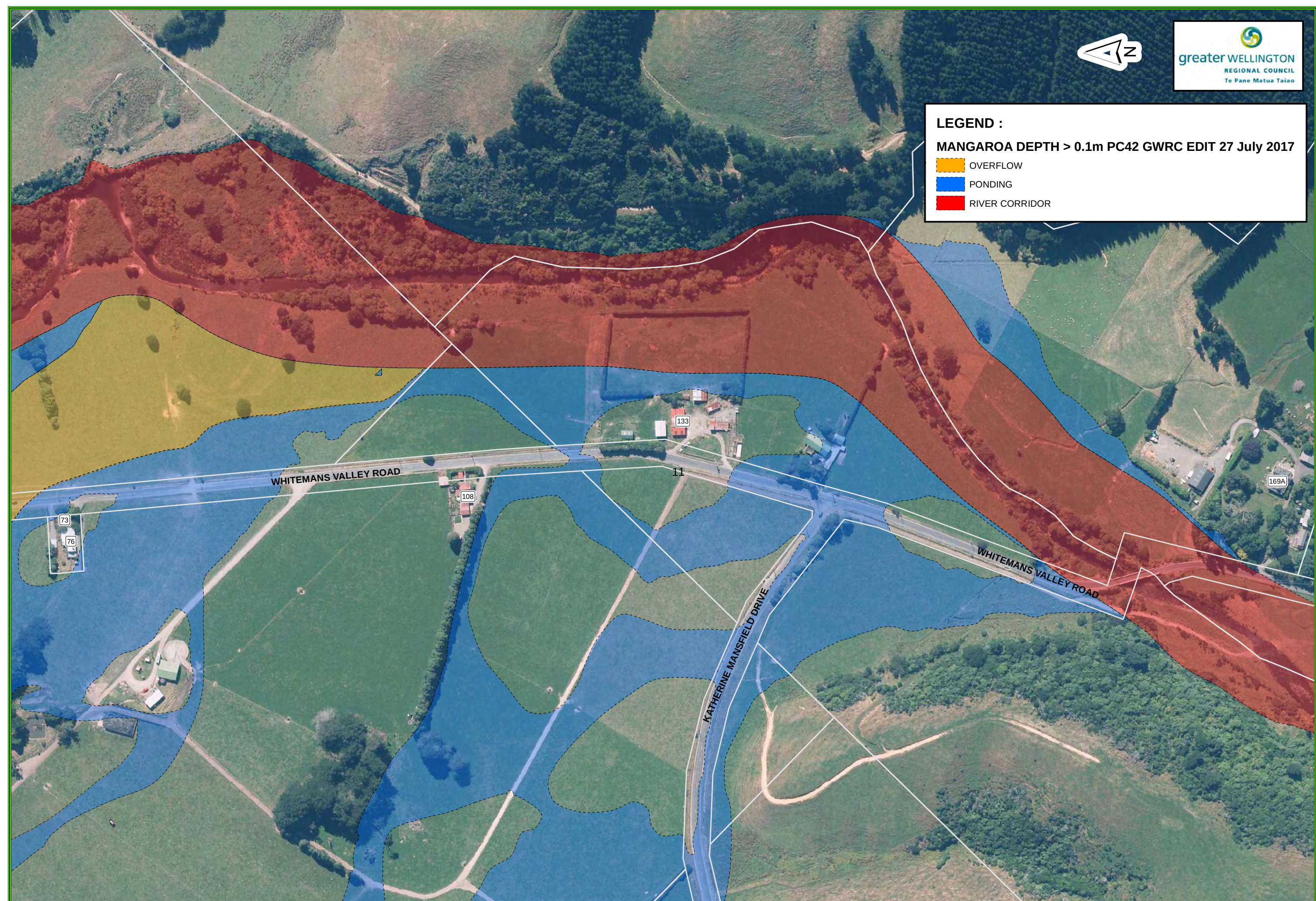




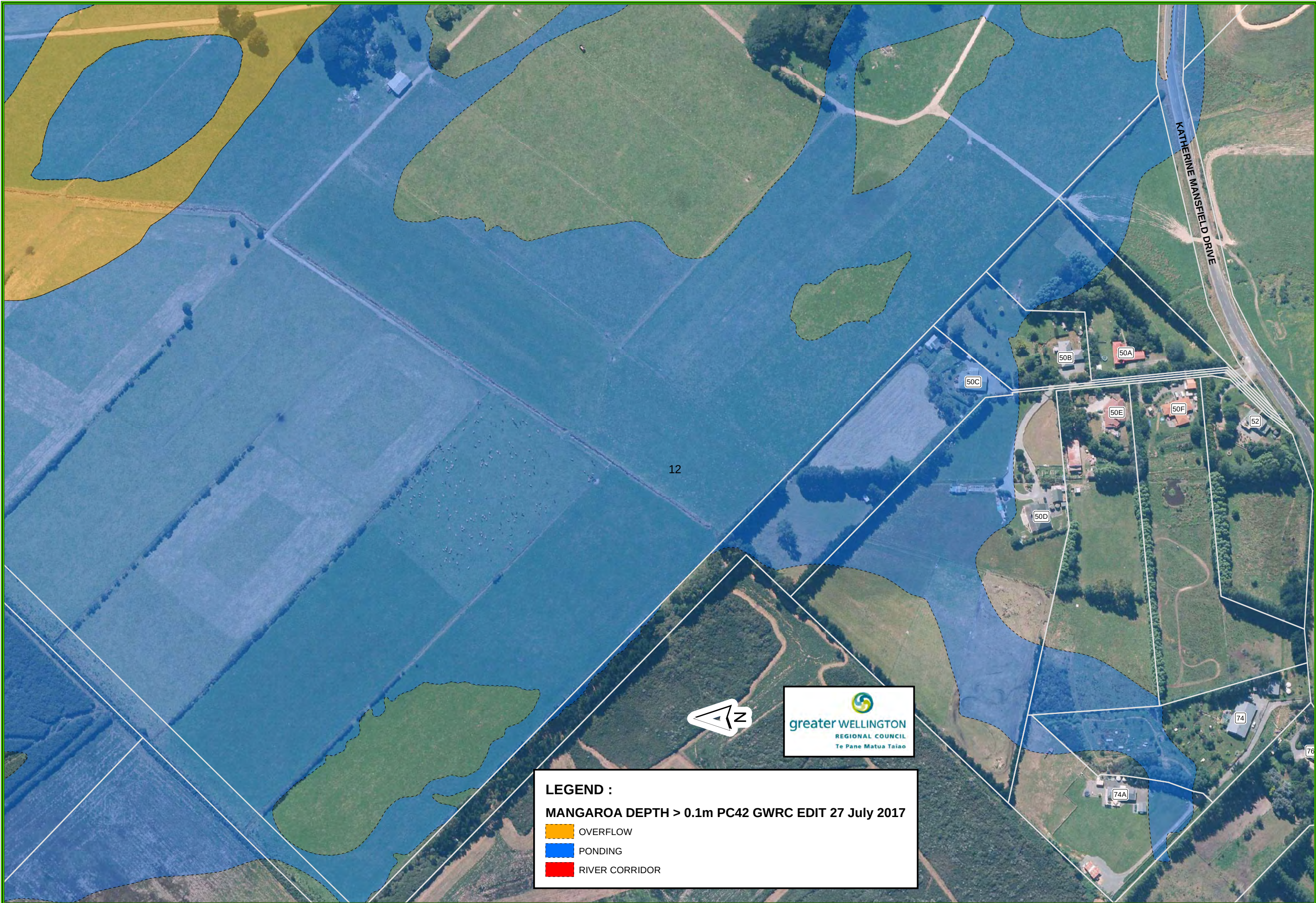


**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR







0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 12

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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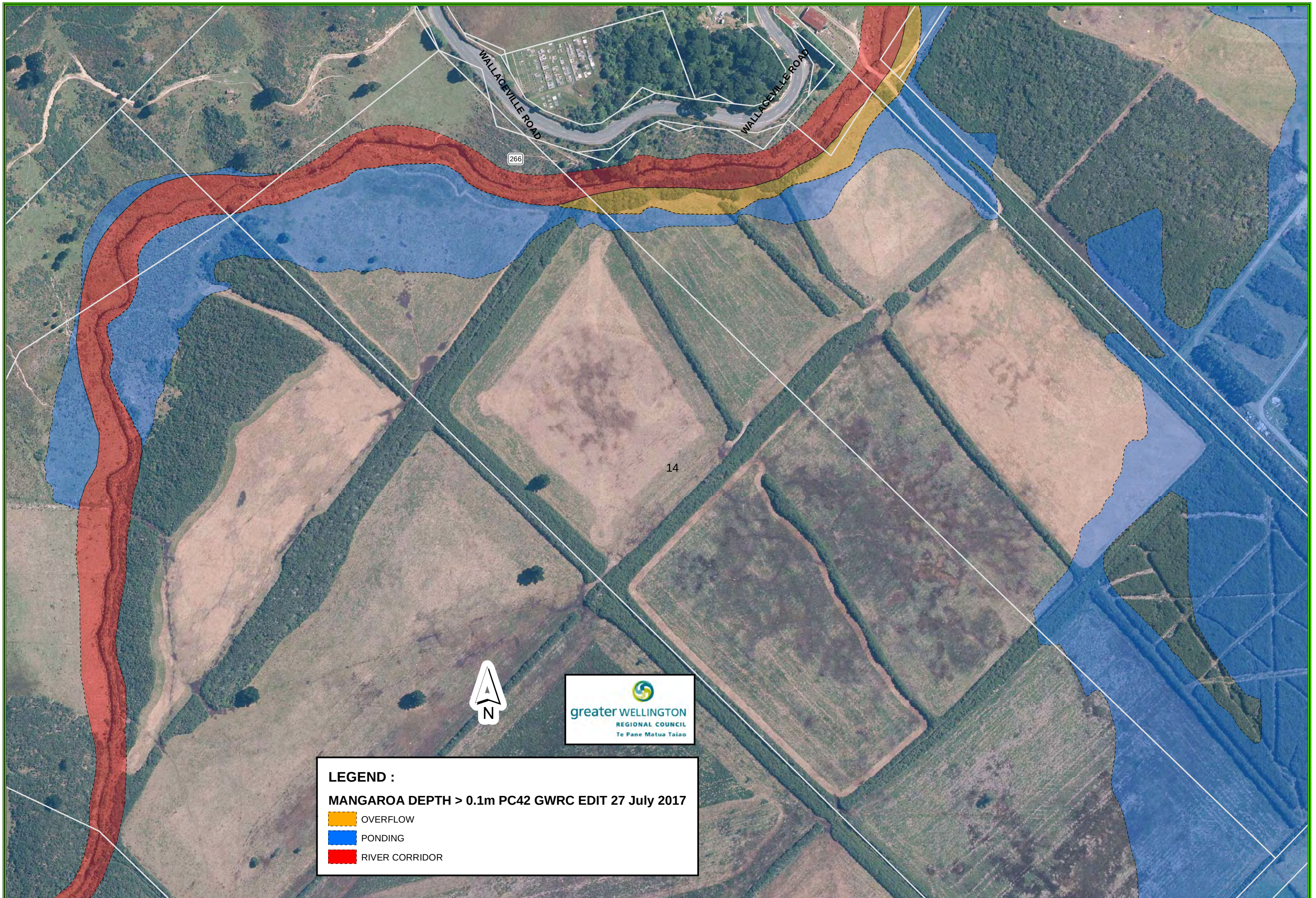


**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

|  |                |
|--|----------------|
|  | OVERFLOW       |
|  | PONDING        |
|  | RIVER CORRIDOR |







0 20 40 80 Meters  
 A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

**SHEET 14**

AERIALS FLOWN : GWRC 2013  
 Drawn : P.Cook  
 Date : 27 July 2017  
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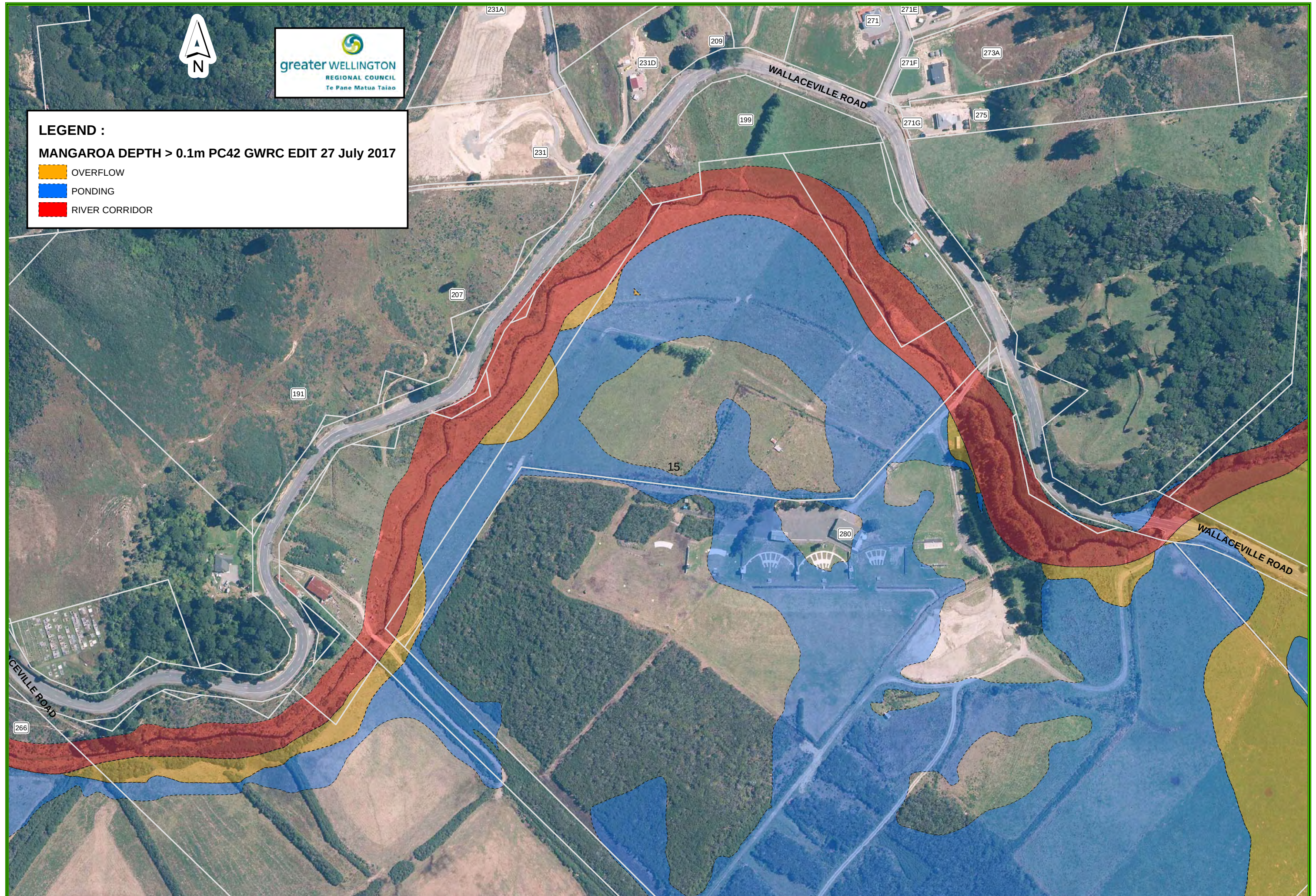




**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR



0 20 40 80 Meters  
A3 Scale 1 : 2,500

**MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)**

**SHEET 15**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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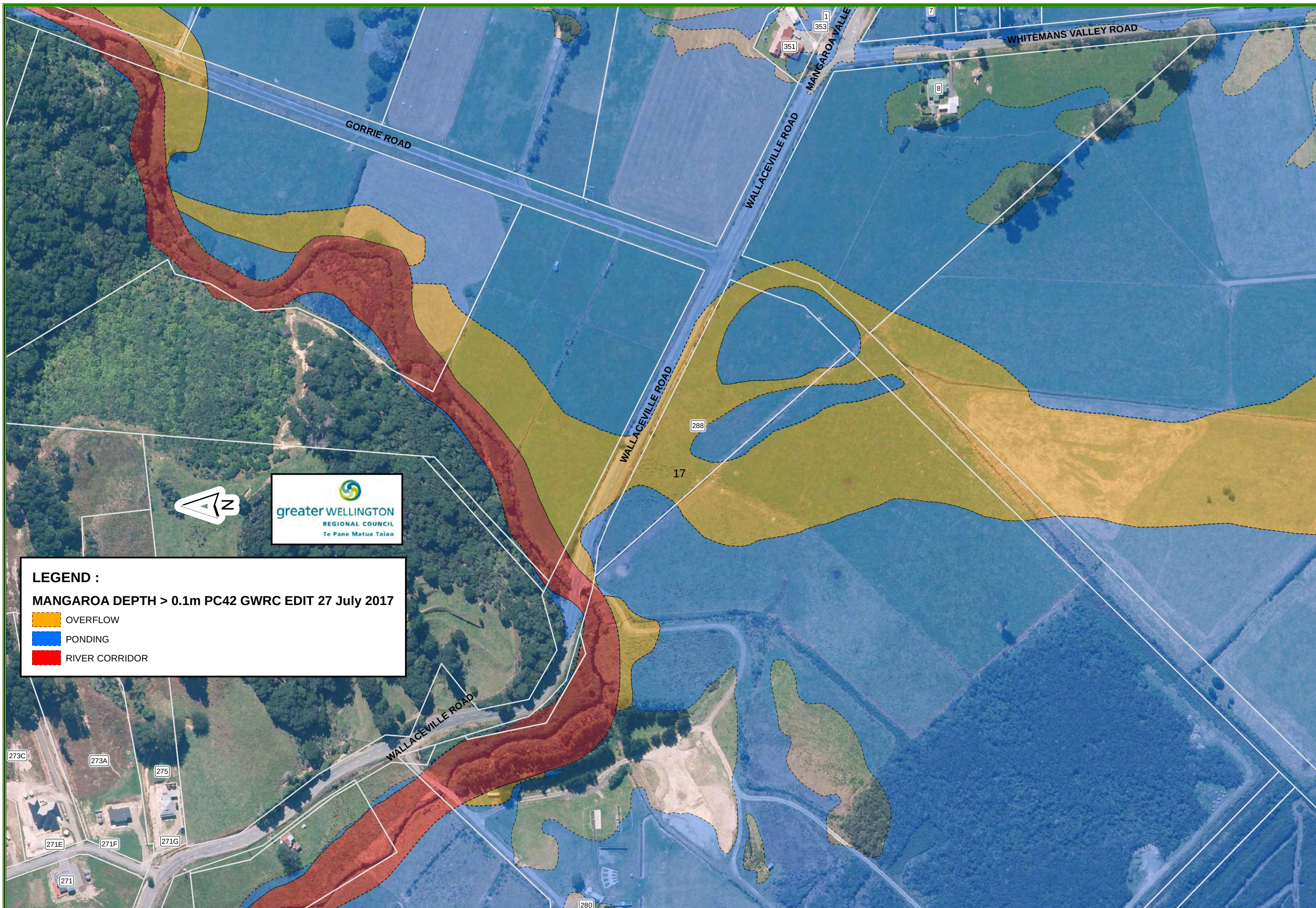


**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR



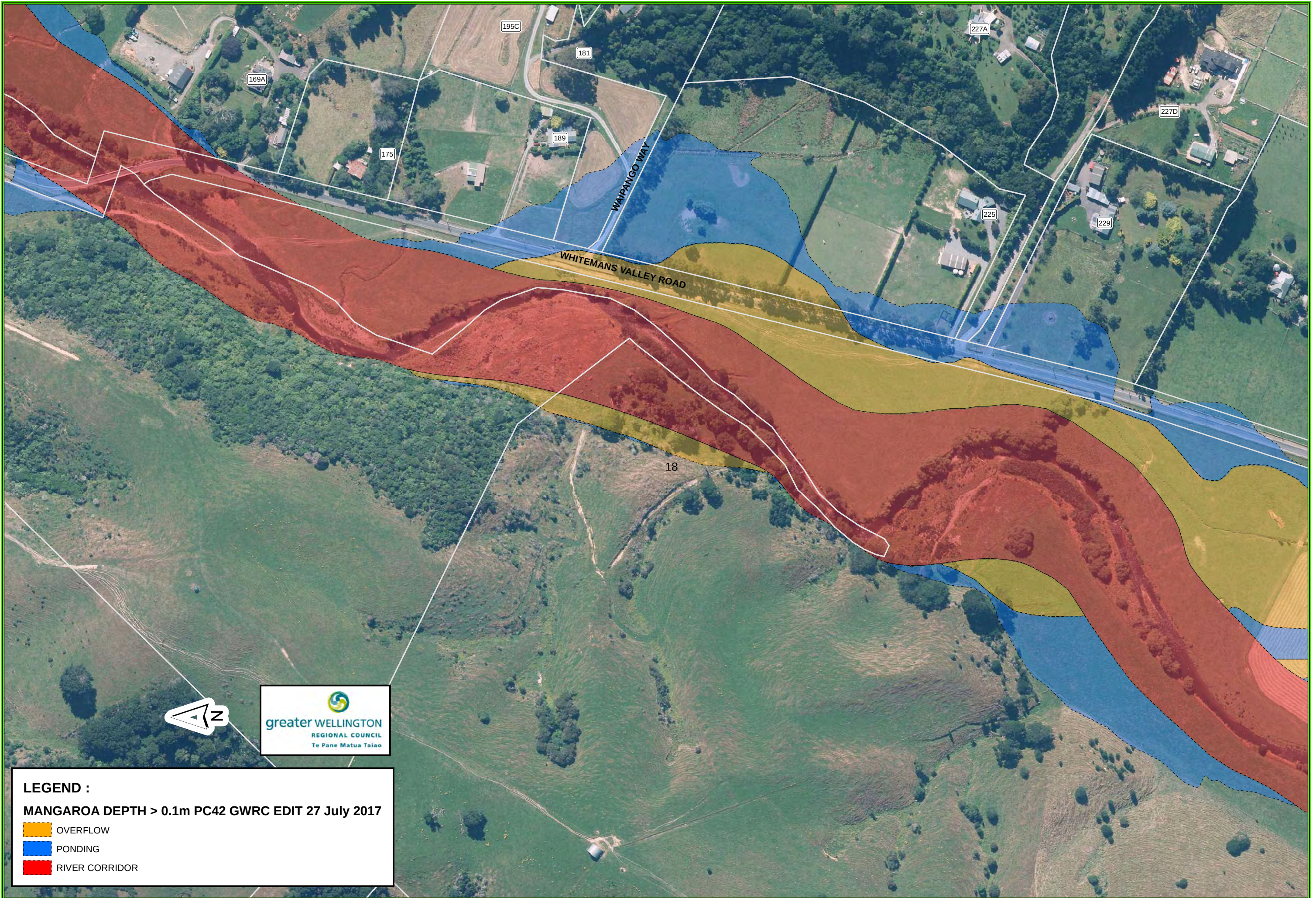


**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR





**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

0 20 40 80 Meters  
A3 Scale 1 : 2,500

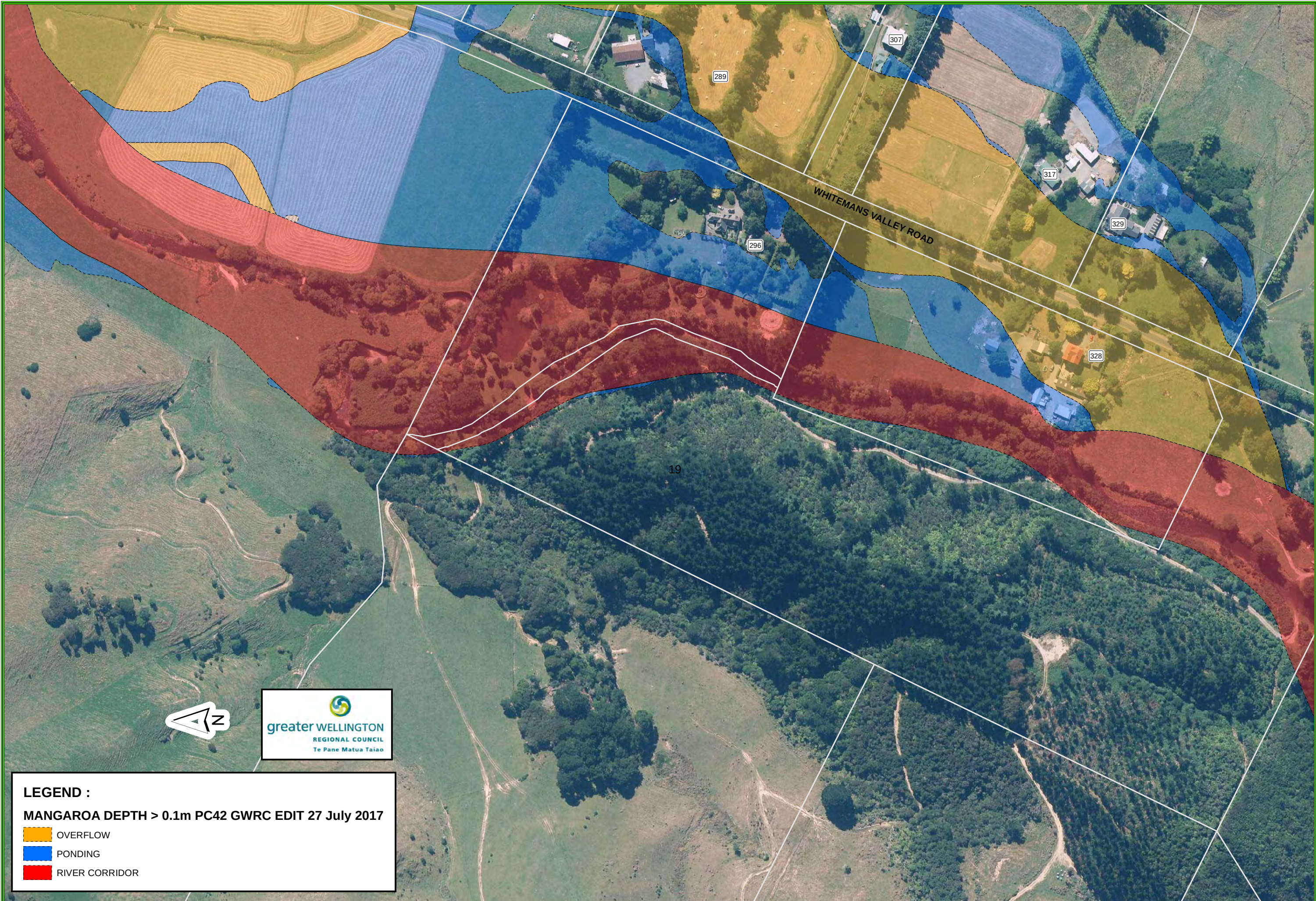
**MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)**

**SHEET 18**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

|                                                                                     |                |
|-------------------------------------------------------------------------------------|----------------|
|  | OVERFLOW       |
|  | PONDING        |
|  | RIVER CORRIDOR |

0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

**SHEET 19**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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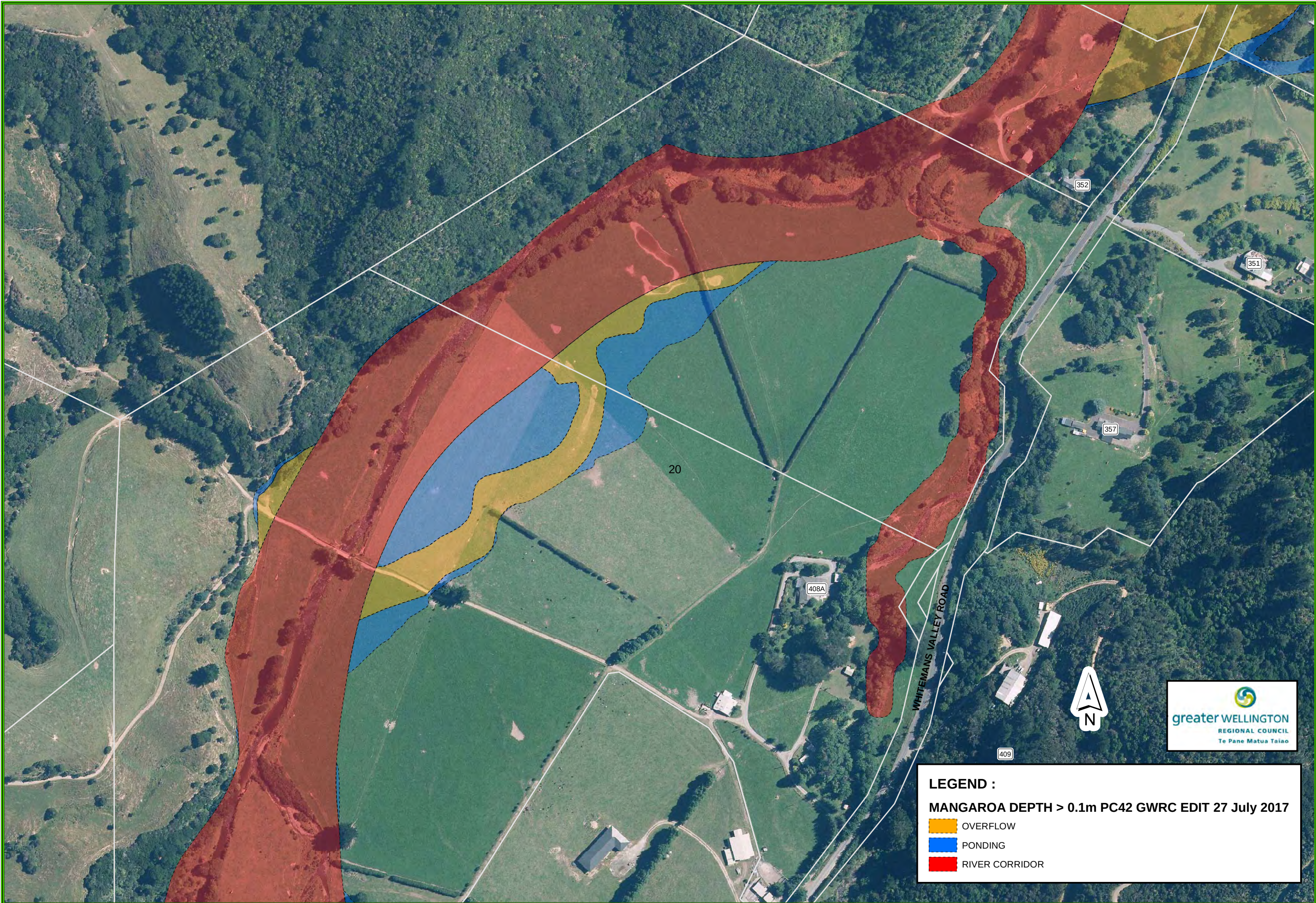


**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR





0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 20

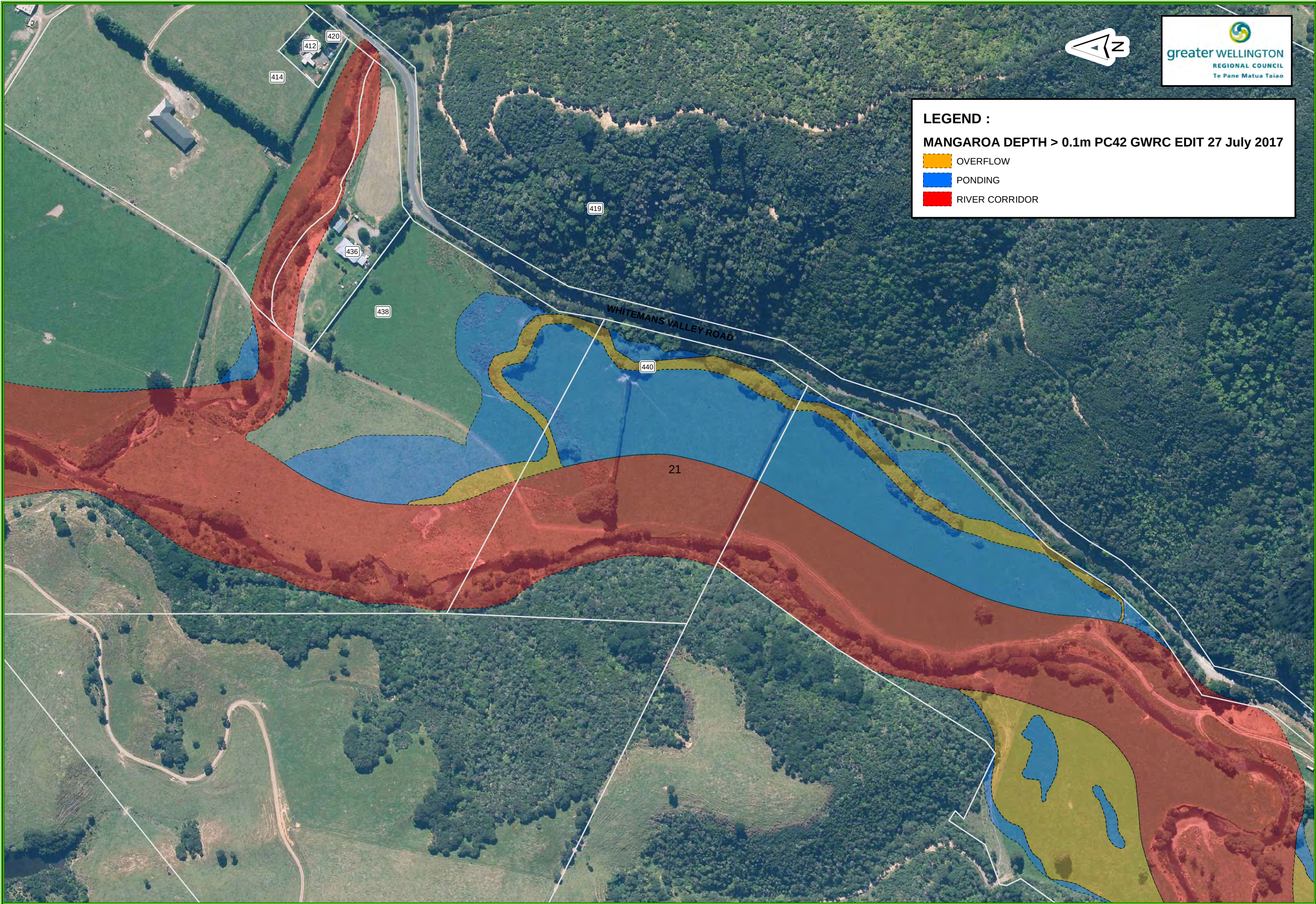
**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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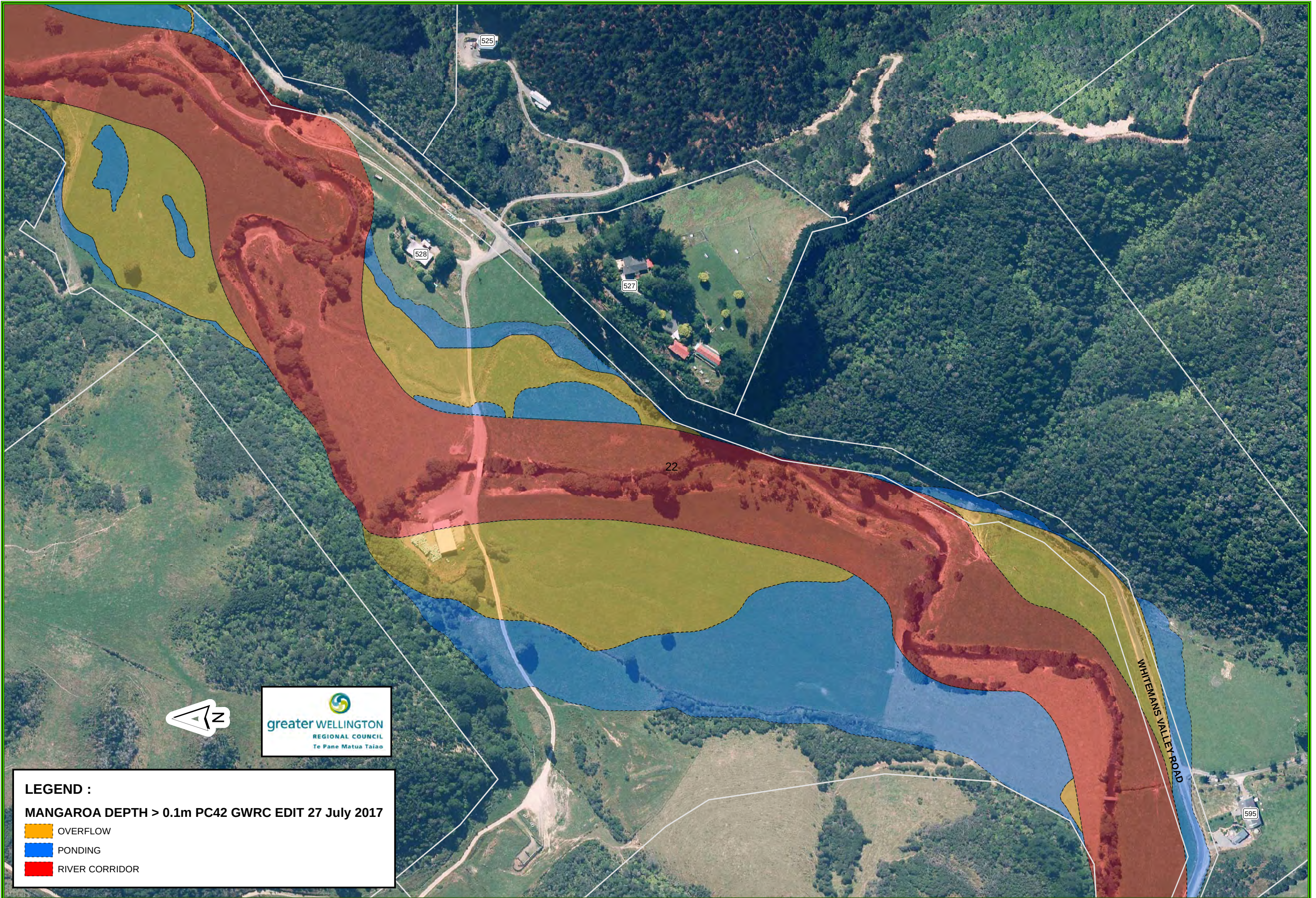


**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR





**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

-  OVERFLOW
-  PONDING
-  RIVER CORRIDOR

0 20 40 80 Meters  
A3 Scale 1 : 2,500

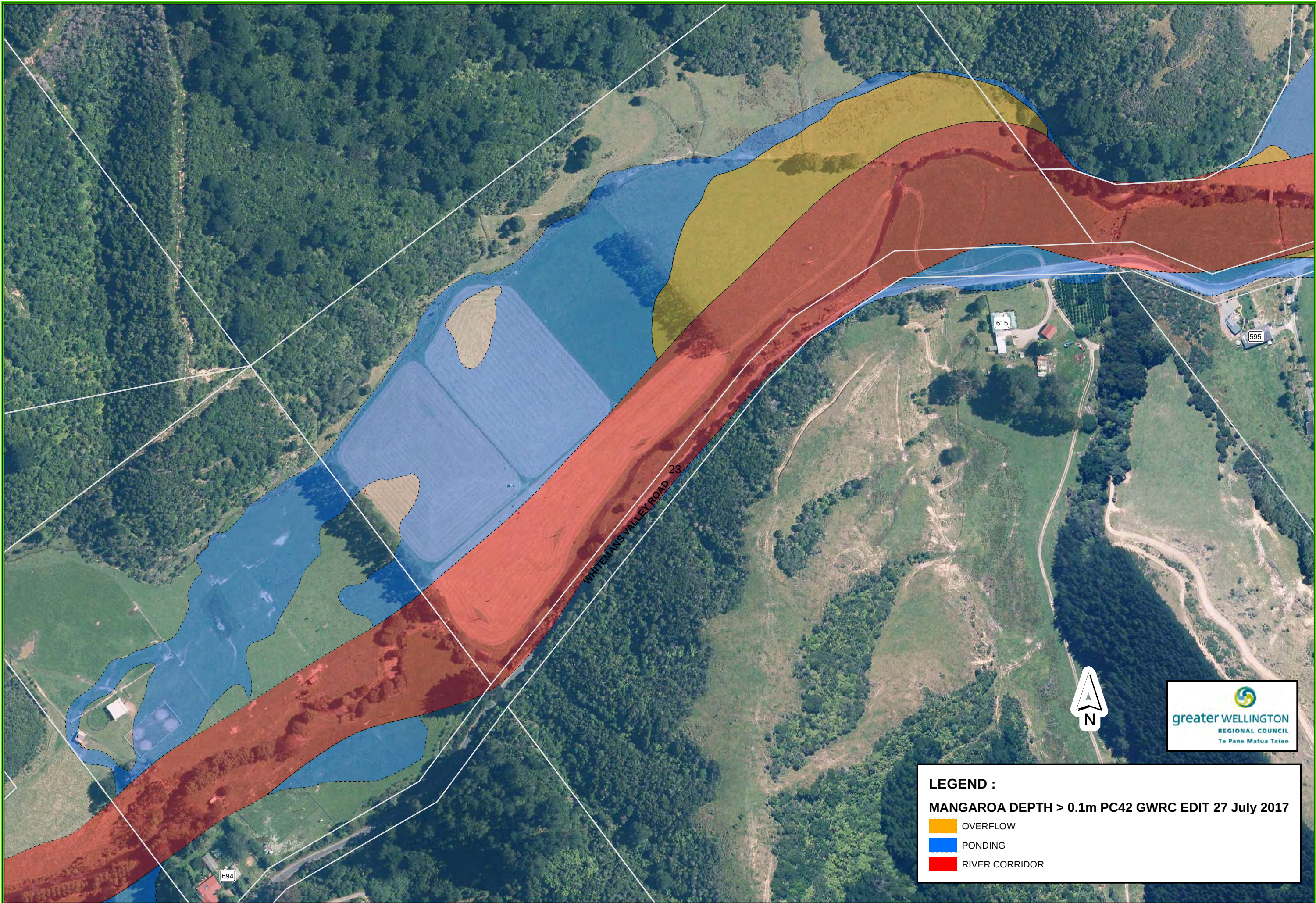
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

**SHEET 22**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 23

**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

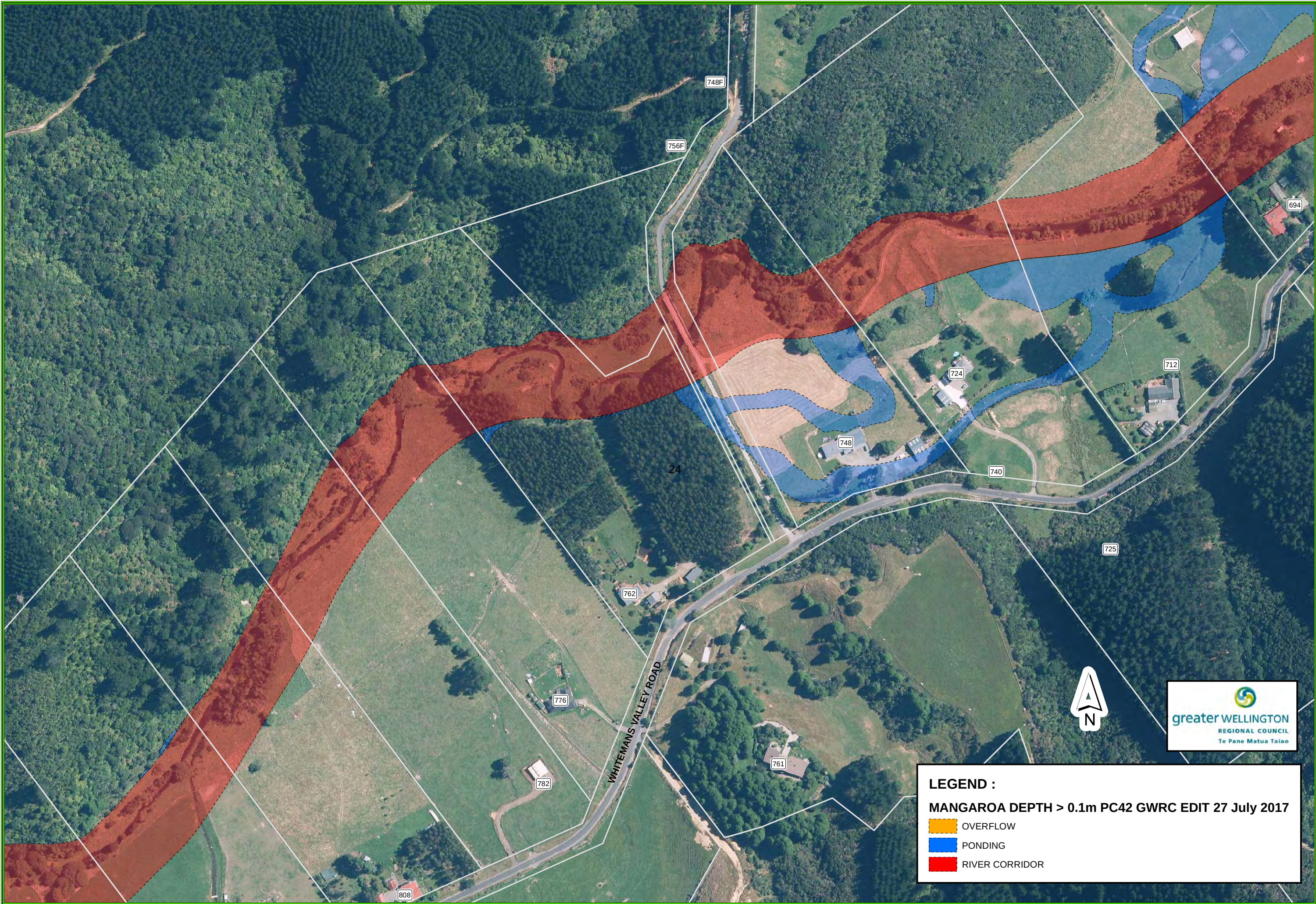
-  OVERFLOW
-  PONDING
-  RIVER CORRIDOR

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

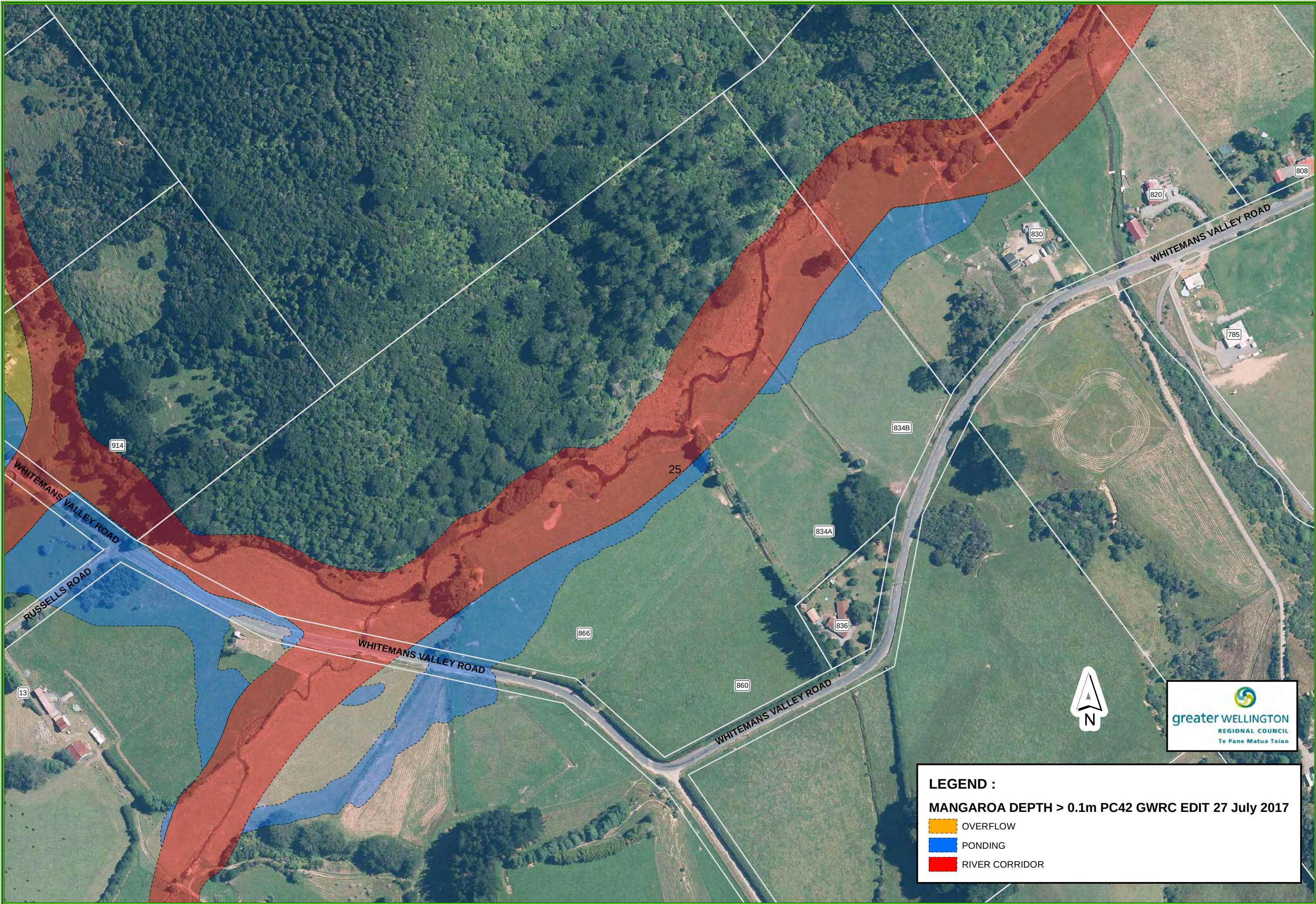
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**LEGEND :**  
**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

0 20 40 80 Meters  
A3 Scale 1 : 2,500

MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 25

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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0 20 40 80 Meters  
A3 Scale 1 : 2,500

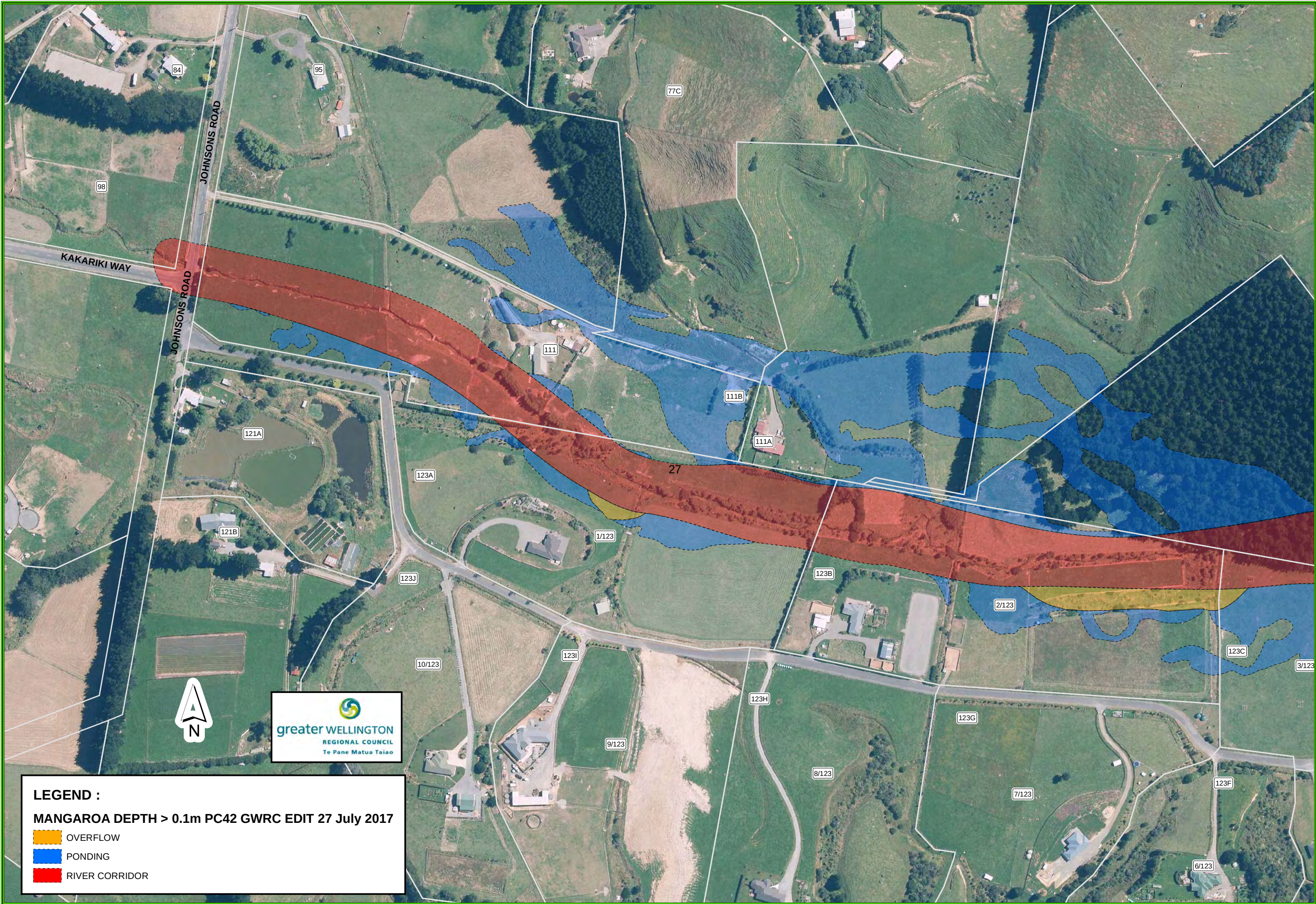
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 26

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Remix July 2017.mxd

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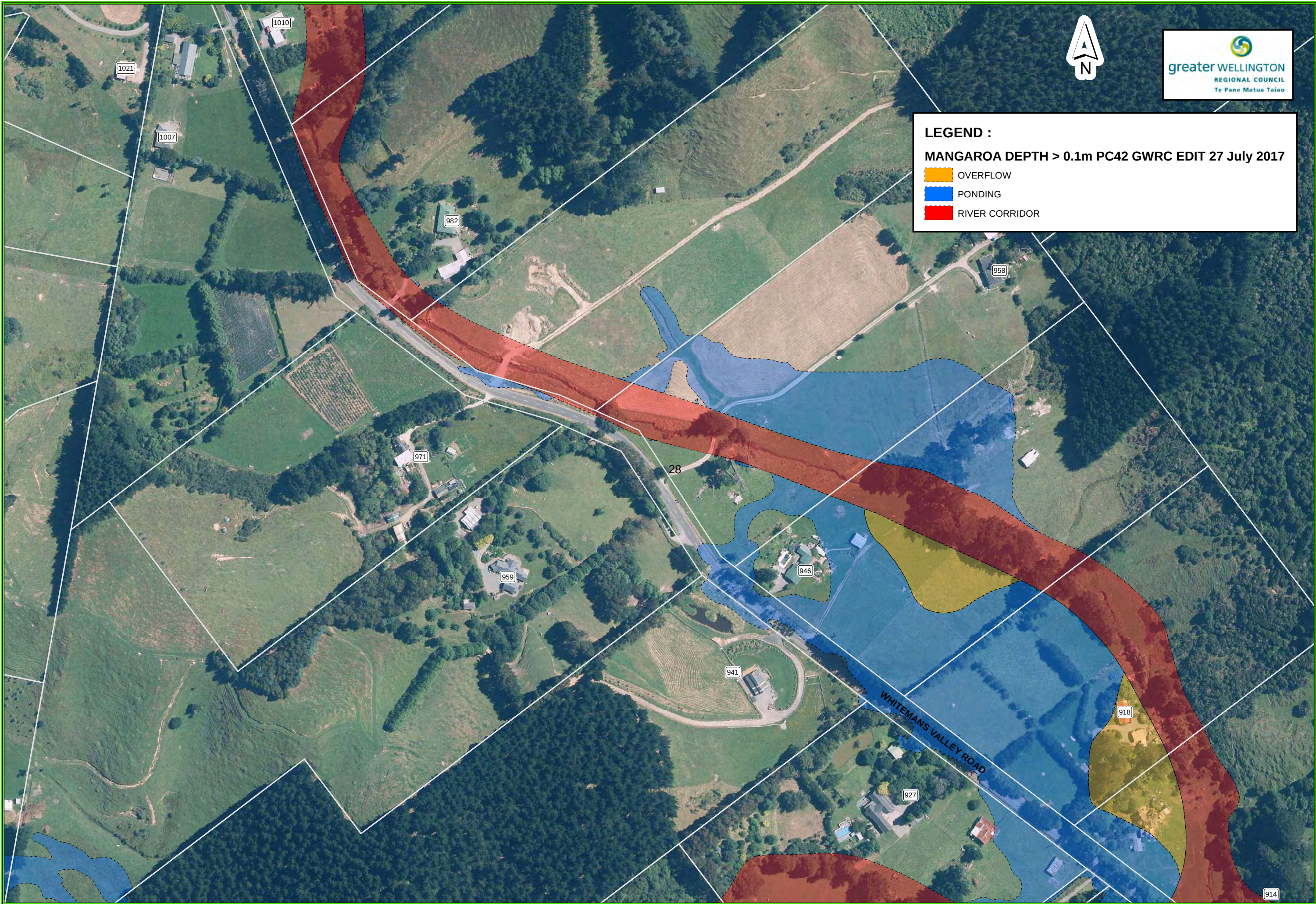




MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

# SHEET 27





**LEGEND :**

**MANGAROA DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- RIVER CORRIDOR

0 20 40 80 Meters  
A3 Scale 1 : 2,500

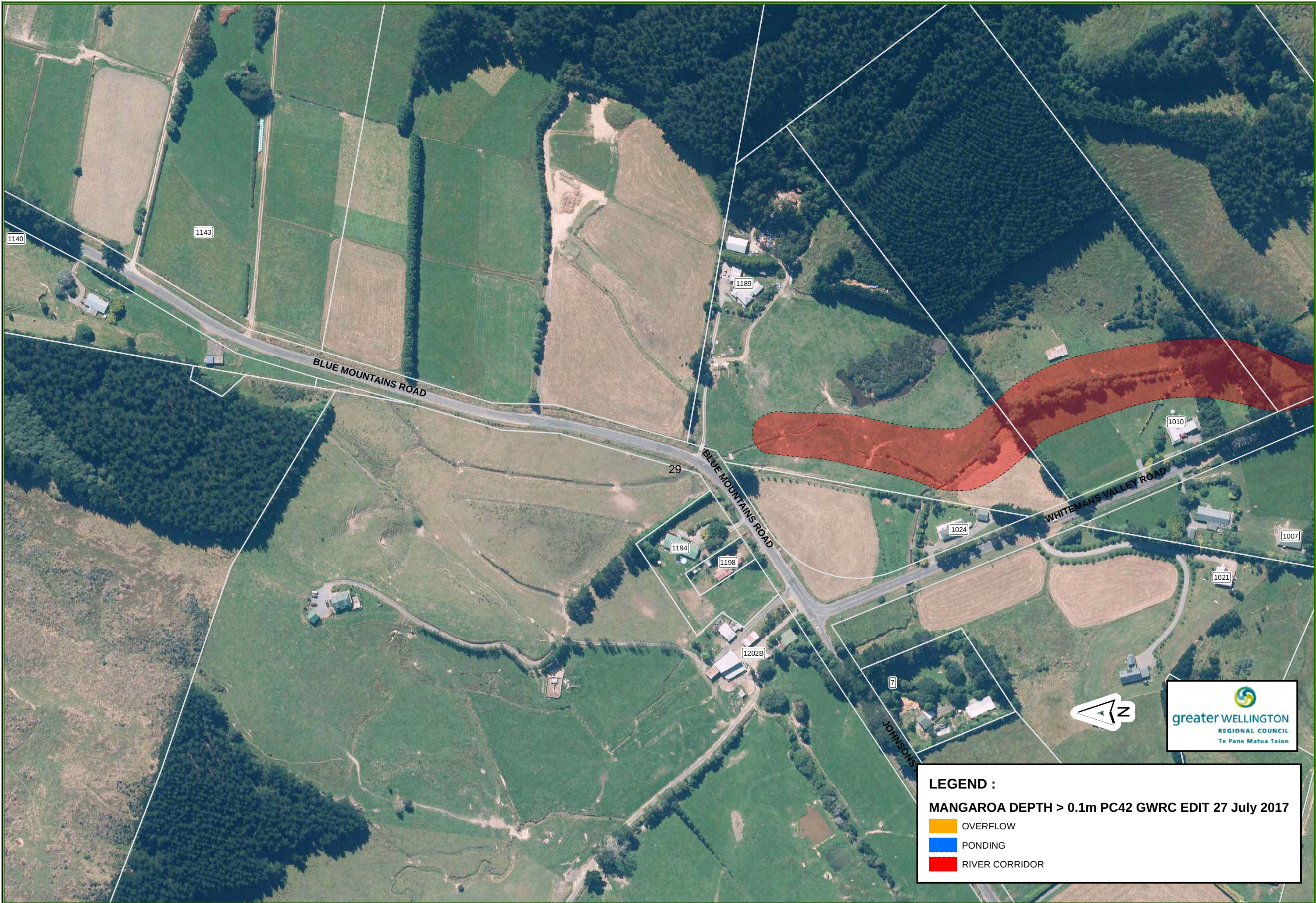
MANGAROA RIVER : UHCC PC42 REFINE (Flood Depth > 0.1m)

SHEET 28

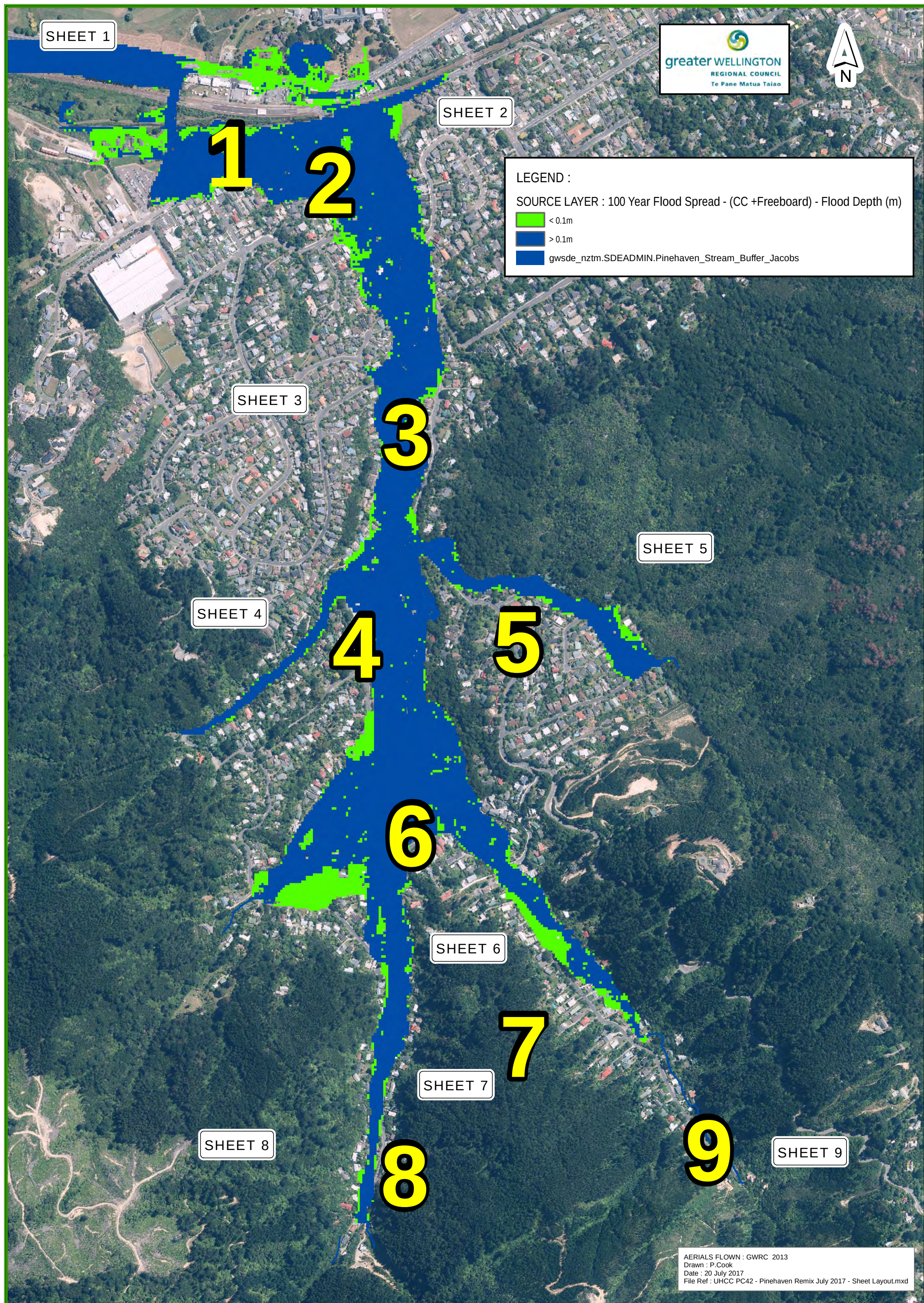
AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
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PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) SHEET LAYOUT





**greater WELLINGTON**  
REGIONAL COUNCIL  
Te Pane Matua Taiao

**LEGEND :**  
**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- STREAM CHANNEL

PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) **SHEET 1**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Pinehaven Remix July 2017.mxd

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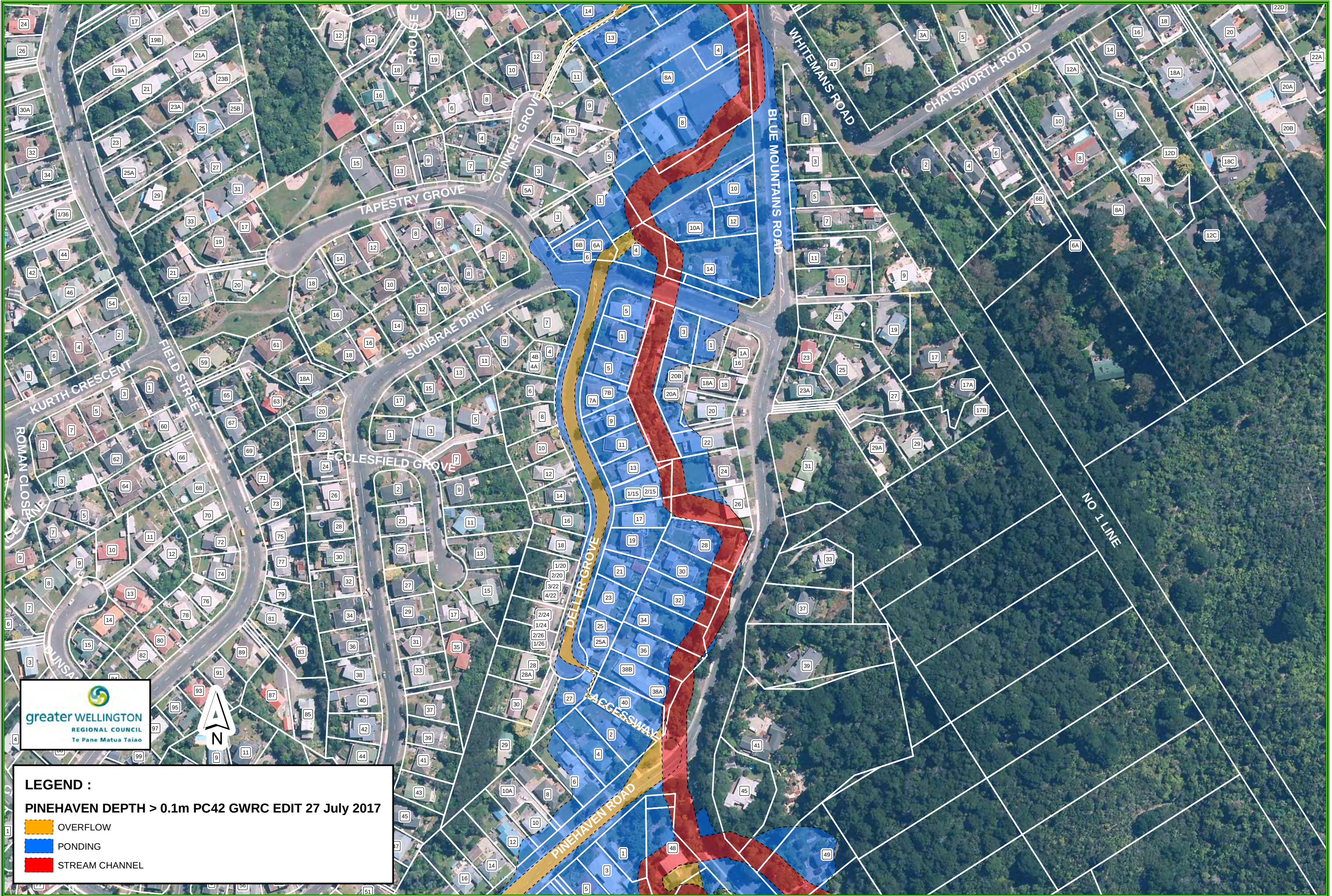




**LEGEND :**  
**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**  
OVERFLOW  
PONDING  
STREAM CHANNEL

PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) **SHEET 2**





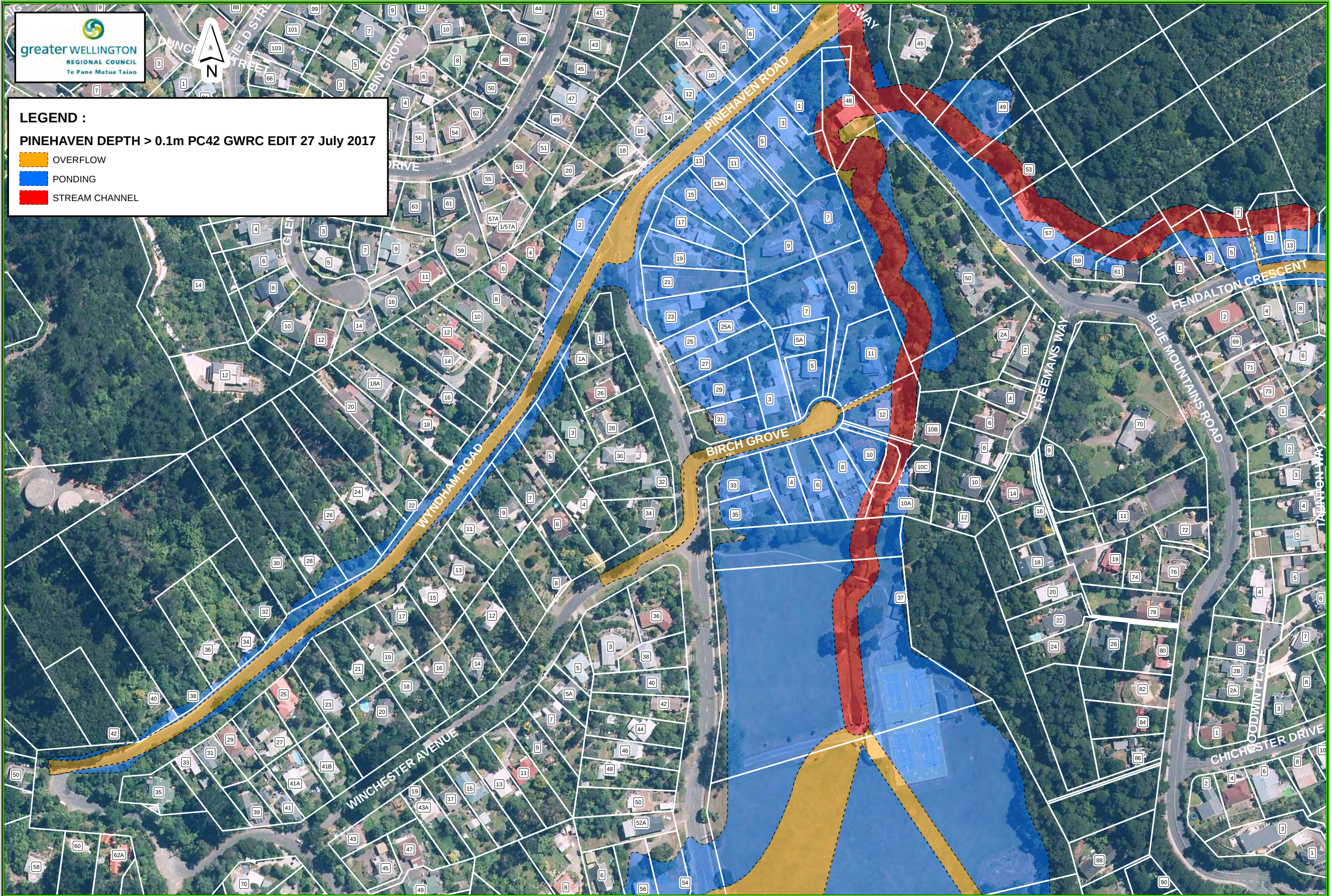
**LEGEND :**

**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- STREAM CHANNEL

PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) **SHEET 3**





**LEGEND :**

**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

OVERFLOW

PONDING

STREAM CHANNEL

0 20 40 80 Meters  
A3 Scale 1 : 2,500

# PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) SHEET 4

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Pinehaven Remix July 2017.mxd

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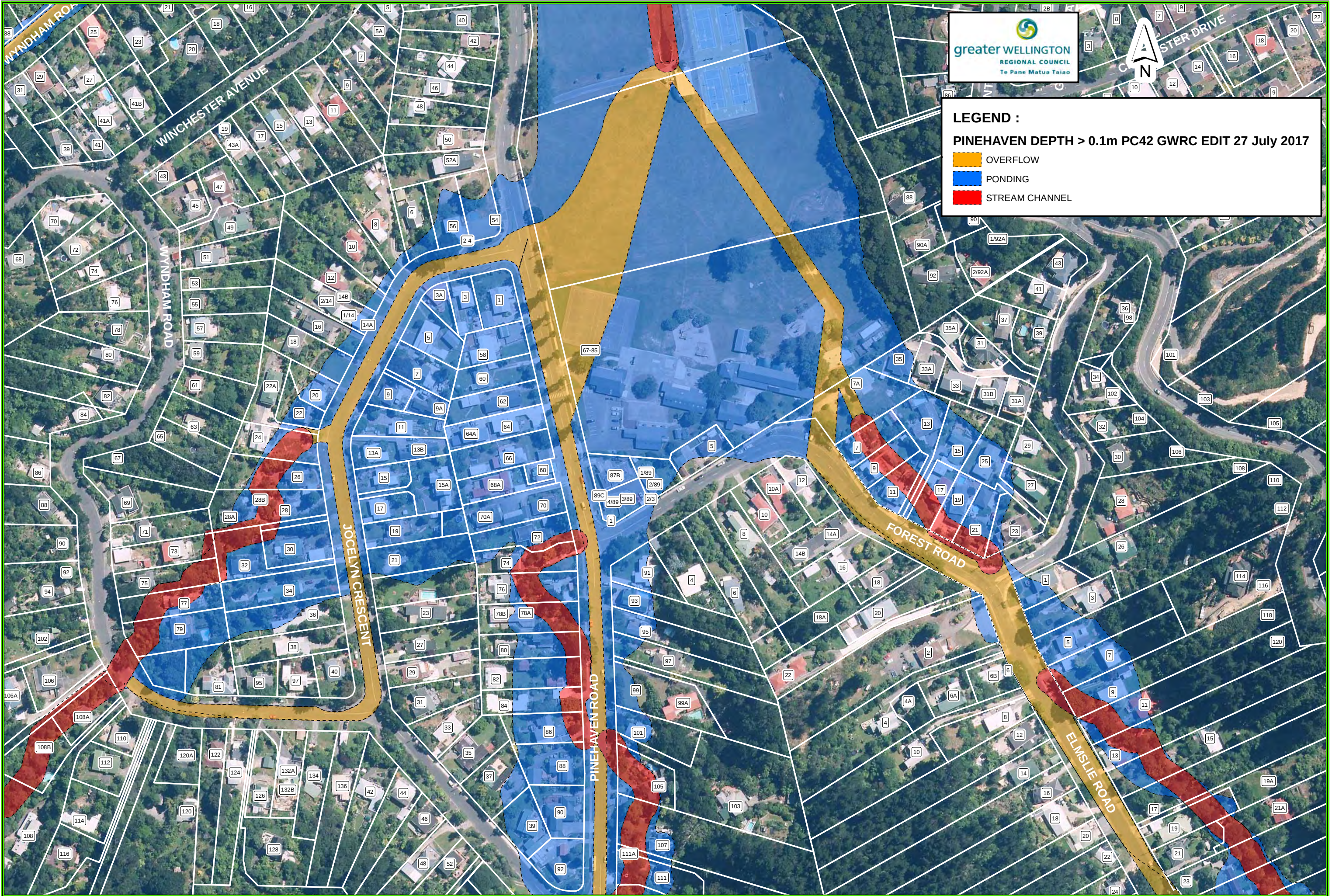


**LEGEND :**

**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- STREAM CHANNEL





**LEGEND :**

**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- STREAM CHANNEL

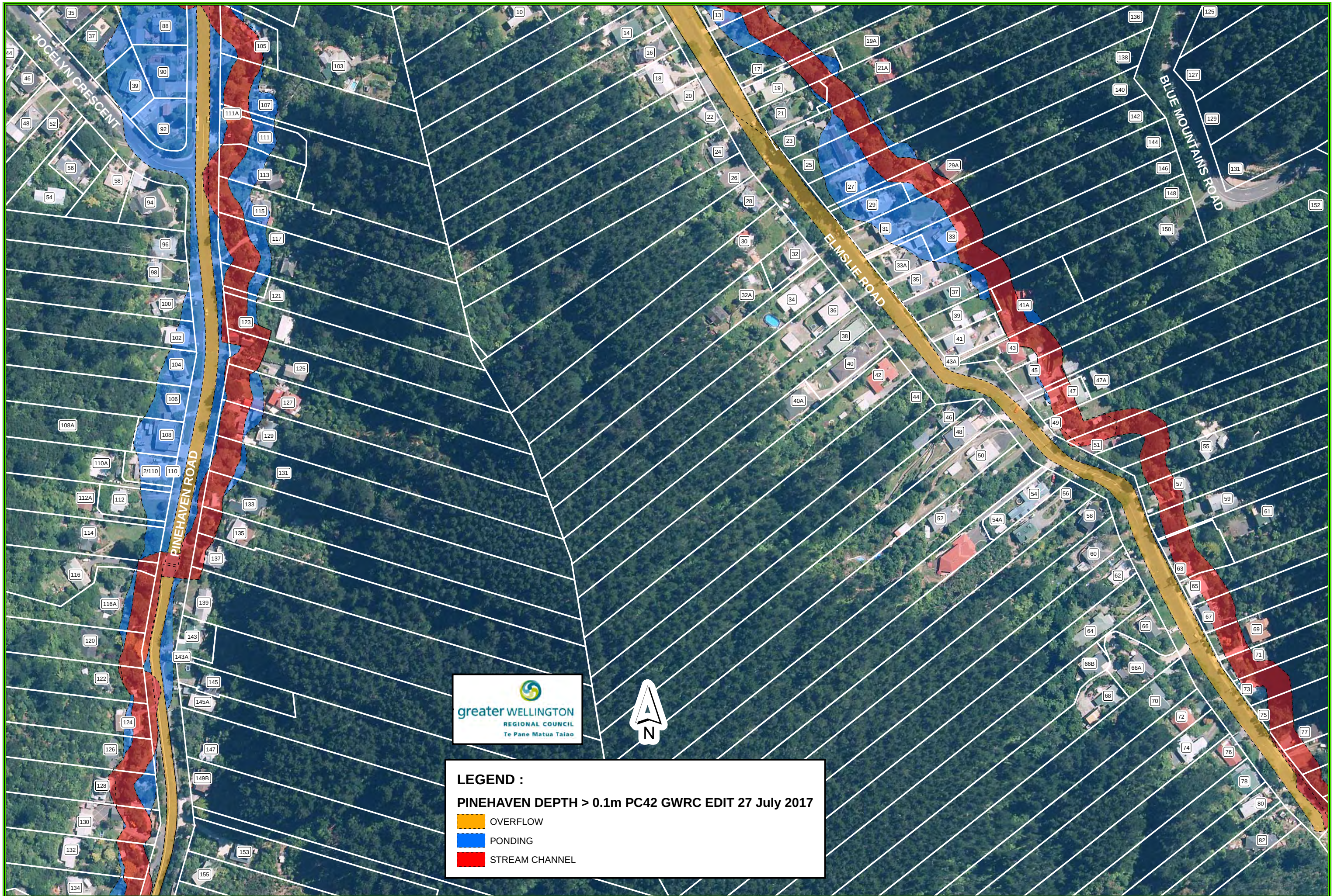
0 20 40 80 Meters  
A3 Scale 1 : 2,500

PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) **SHEET 6**

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
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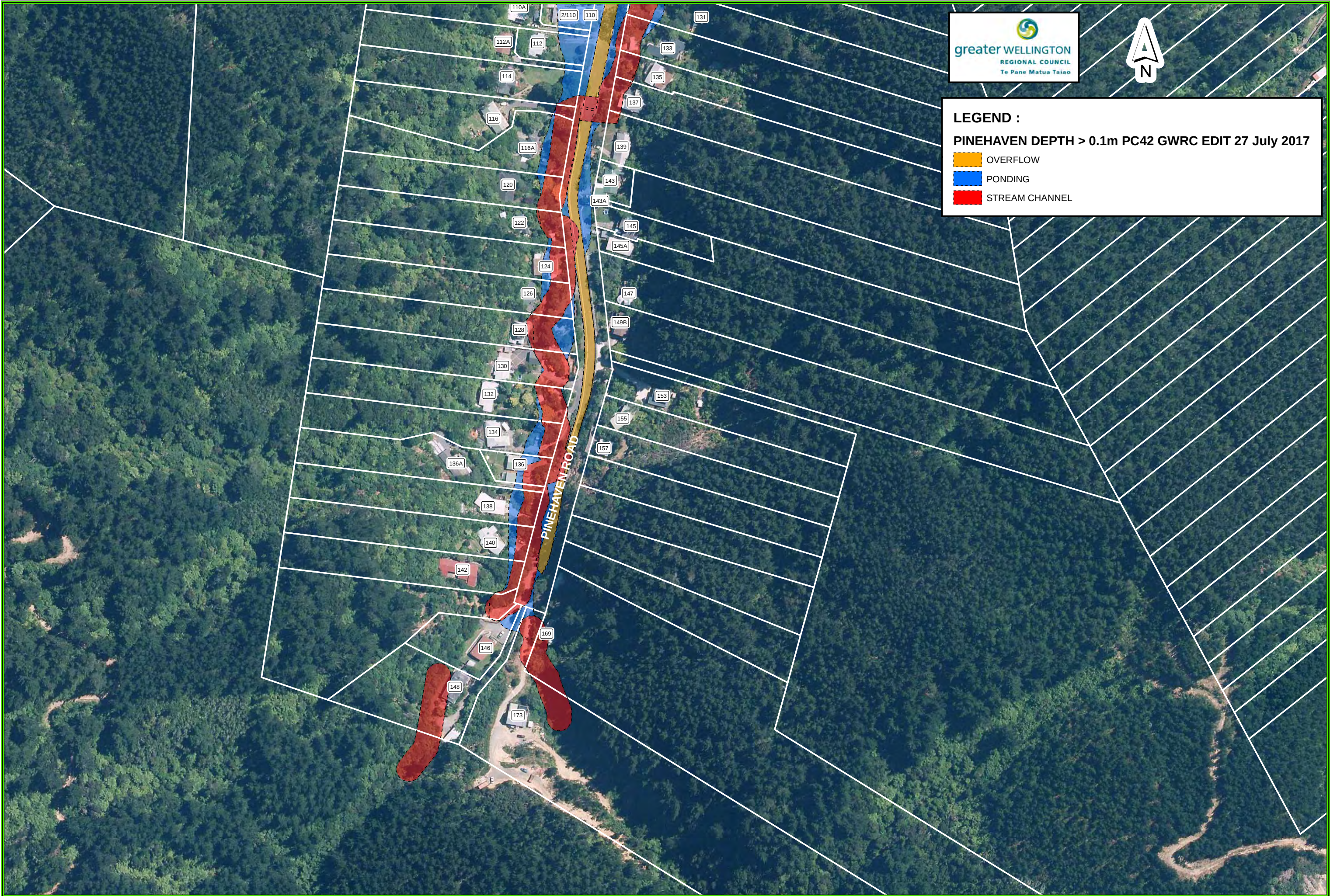
0 20 40 80 Meters  
A3 Scale 1 : 2,500

# PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) SHEET 7

AERIALS FLOWN : GWRC 2013  
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**LEGEND :**

**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**

- OVERFLOW
- PONDING
- STREAM CHANNEL





**LEGEND :**  
**PINEHAVEN DEPTH > 0.1m PC42 GWRC EDIT 27 July 2017**  
OVERFLOW  
PONDING  
STREAM CHANNEL

0 20 40 80 Meters  
A3 Scale 1 : 2,500

# PINEHAVEN STREAM :UHCC PC42 REFINE (Flood Depth > 0.1m) SHEET 9

AERIALS FLOWN : GWRC 2013  
Drawn : P.Cook  
Date : 27 July 2017  
File Ref : UHCC PC42 - Pinehaven Remix July 2017.mxd  
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