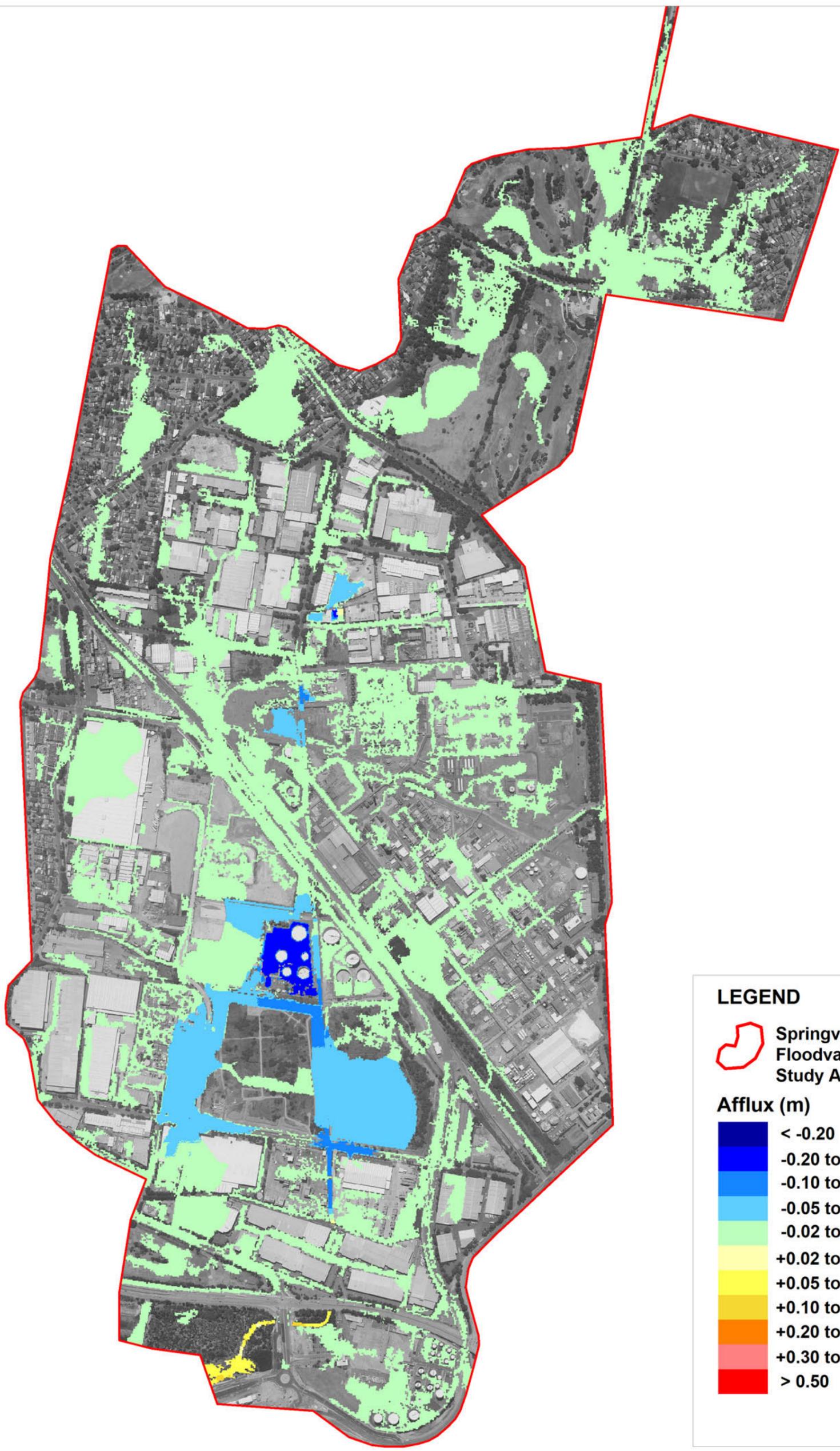


Appendix B Sensitivity Tests – Flood Impact Mapping

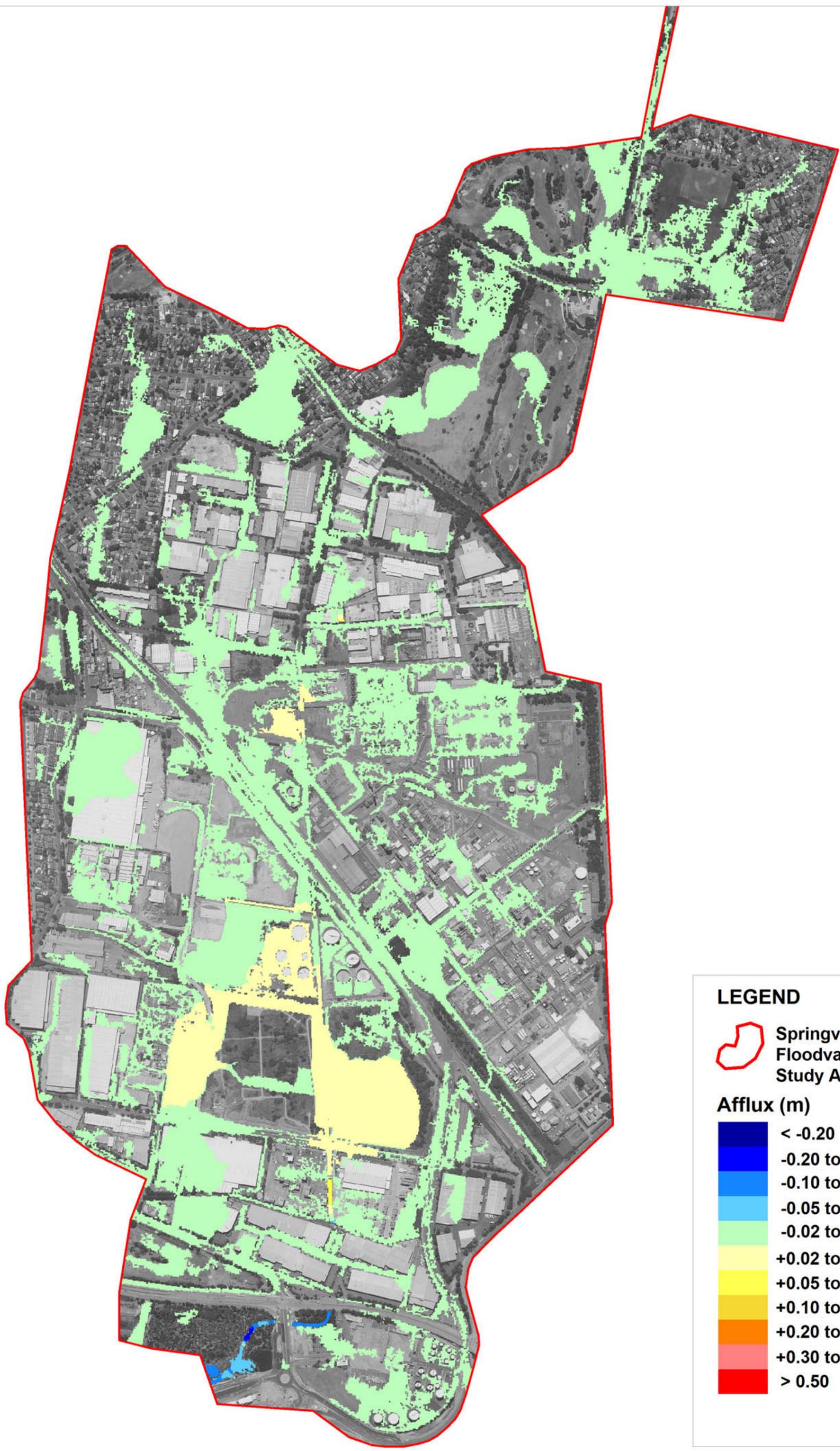


LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |



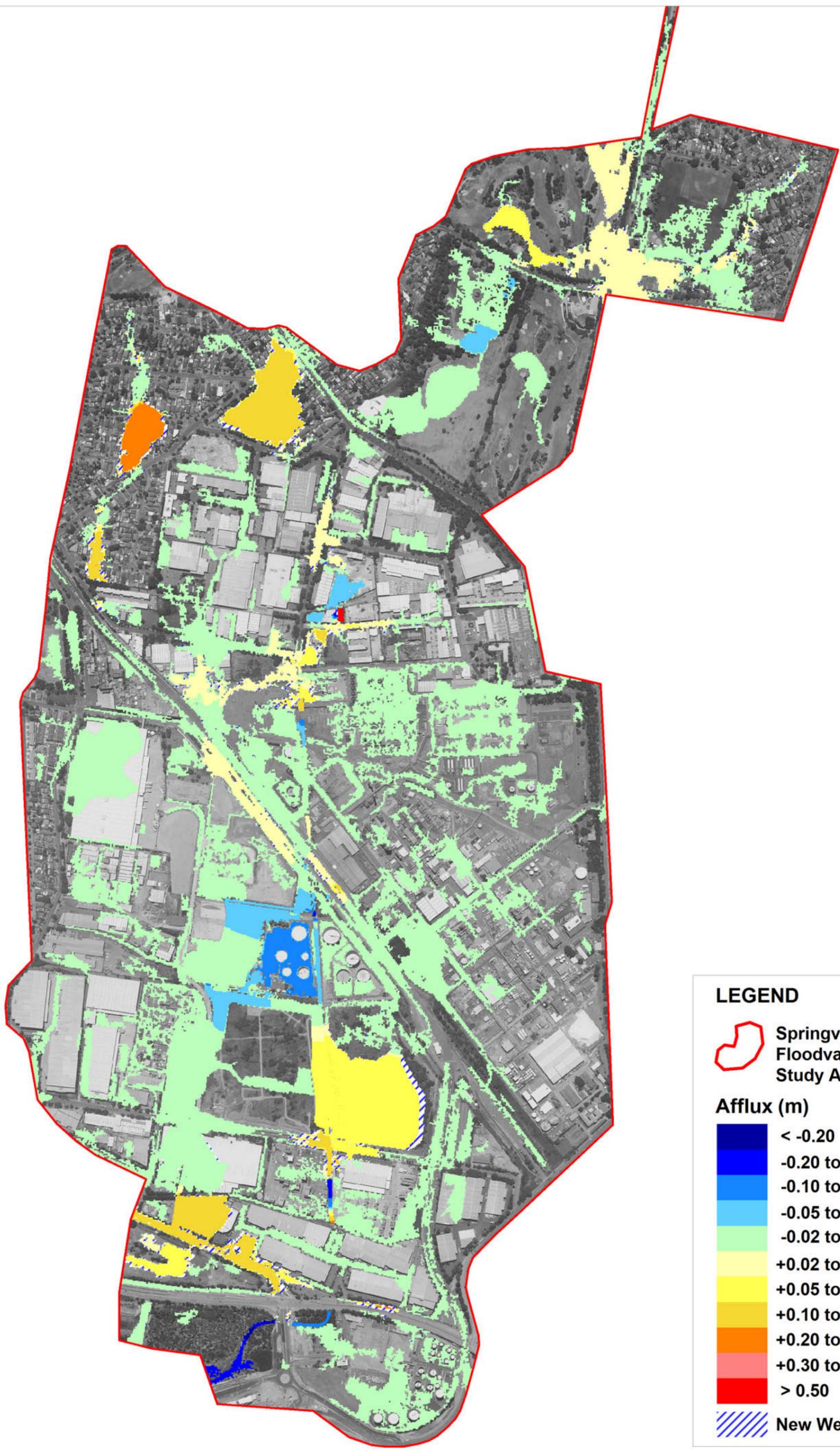
LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |





LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

Title:
**Change in Peak Flood Level
 50% Blockage Factor - 1% AEP Event**

Figure:
B-3

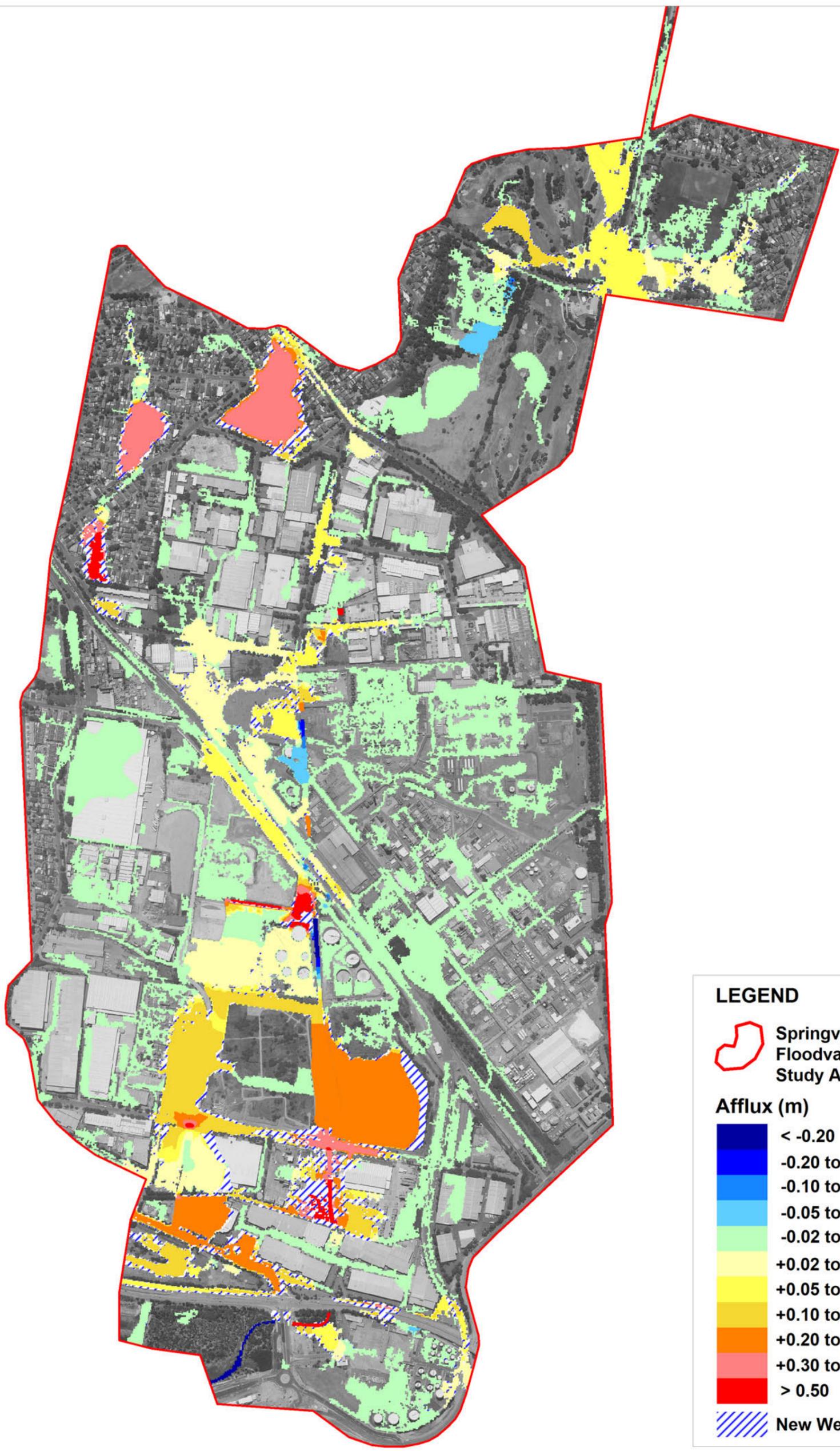
Rev:
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0 200 400m
 Approx. Scale





LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

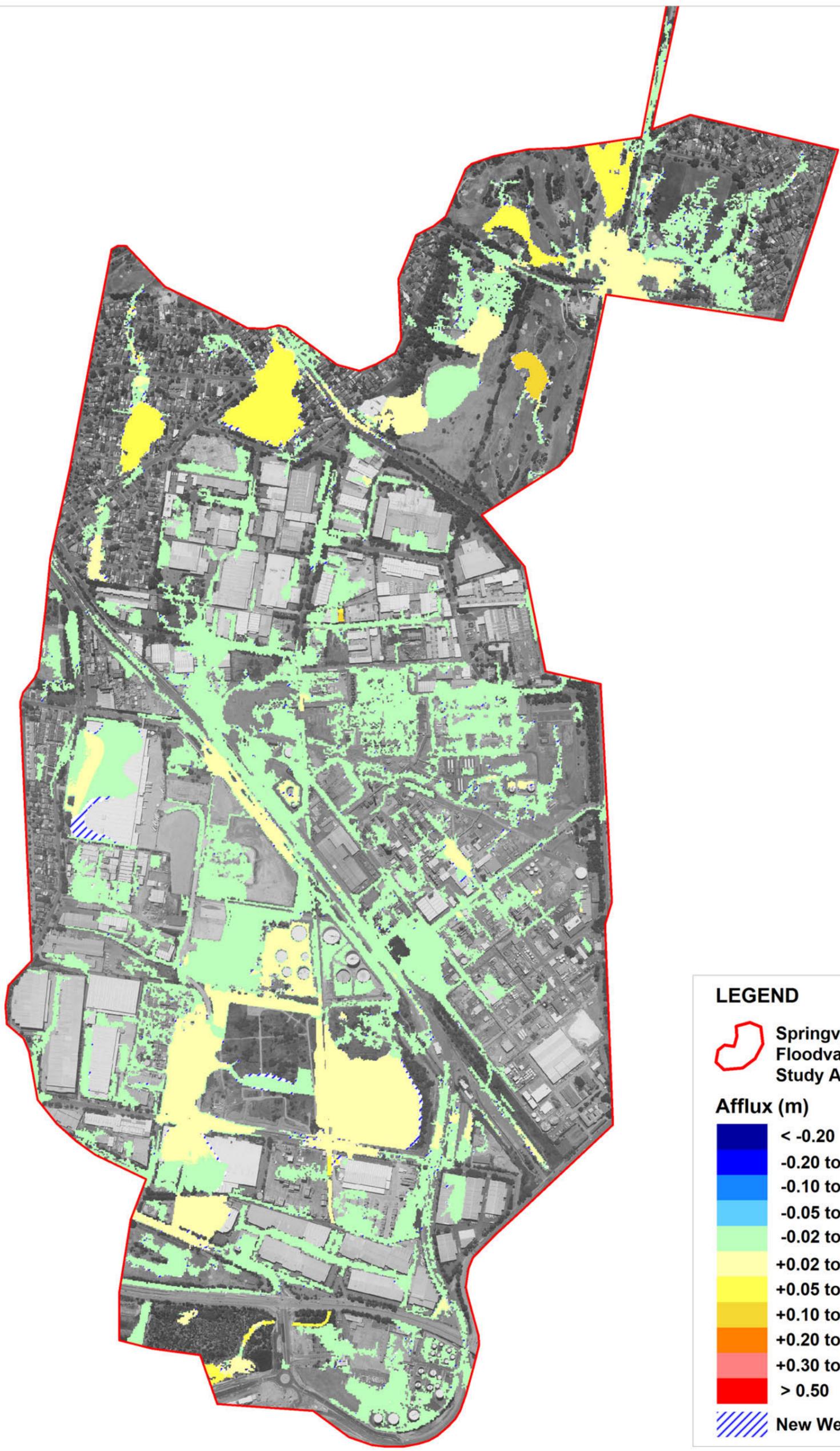
Title:
**Change in Peak Flood Level
 100% Blockage Factor - 1% AEP Event**

Figure:
B-4

Rev:
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LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

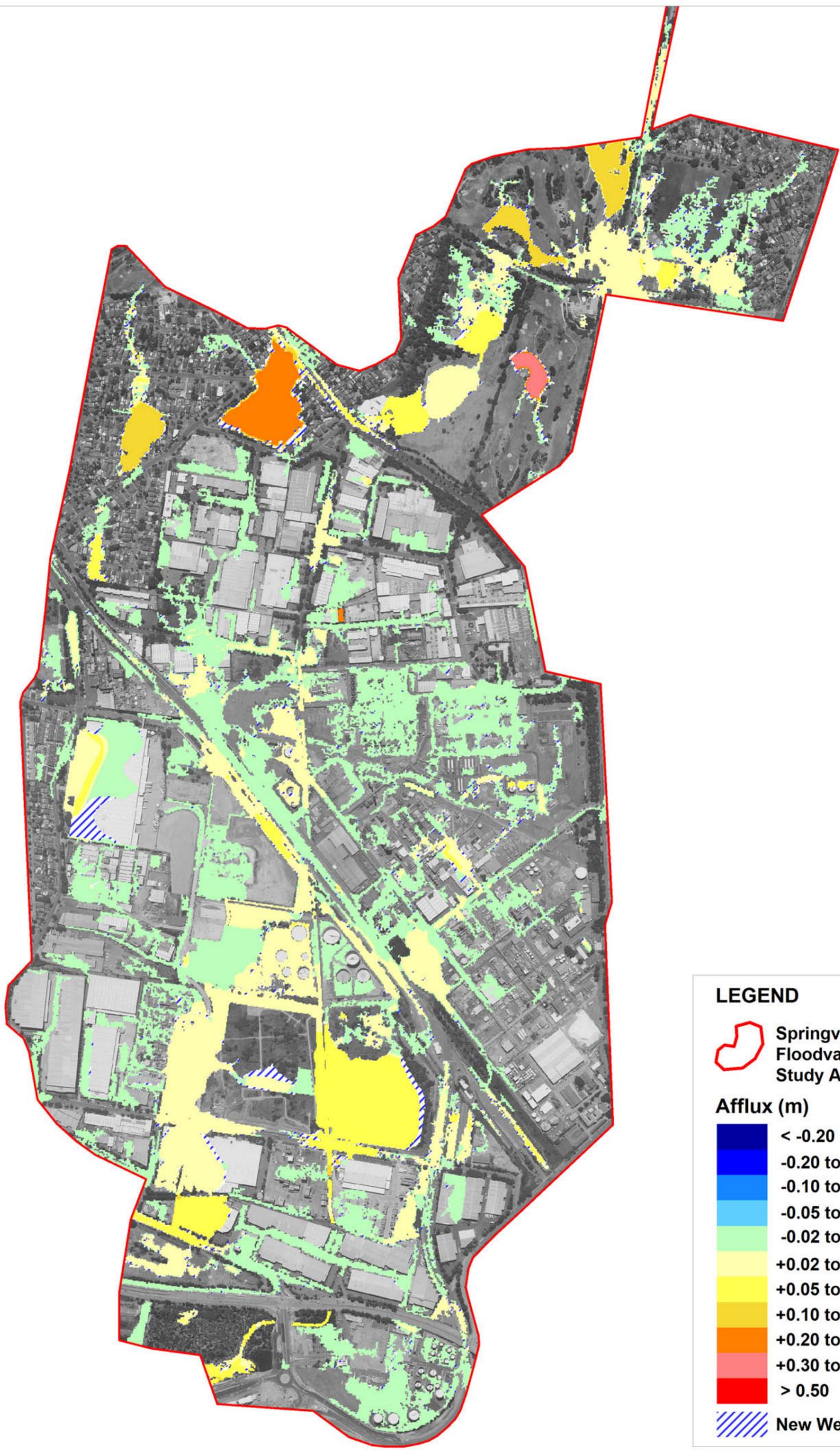
Title:
**Change in Peak Flood Level
 35mm Initial Loss - 1% AEP Event**

Figure:
B-5

Rev:
A

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LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

Title:
**Change in Peak Flood Level
 20mm Initial Loss - 1% AEP Event**

Figure:
B-6

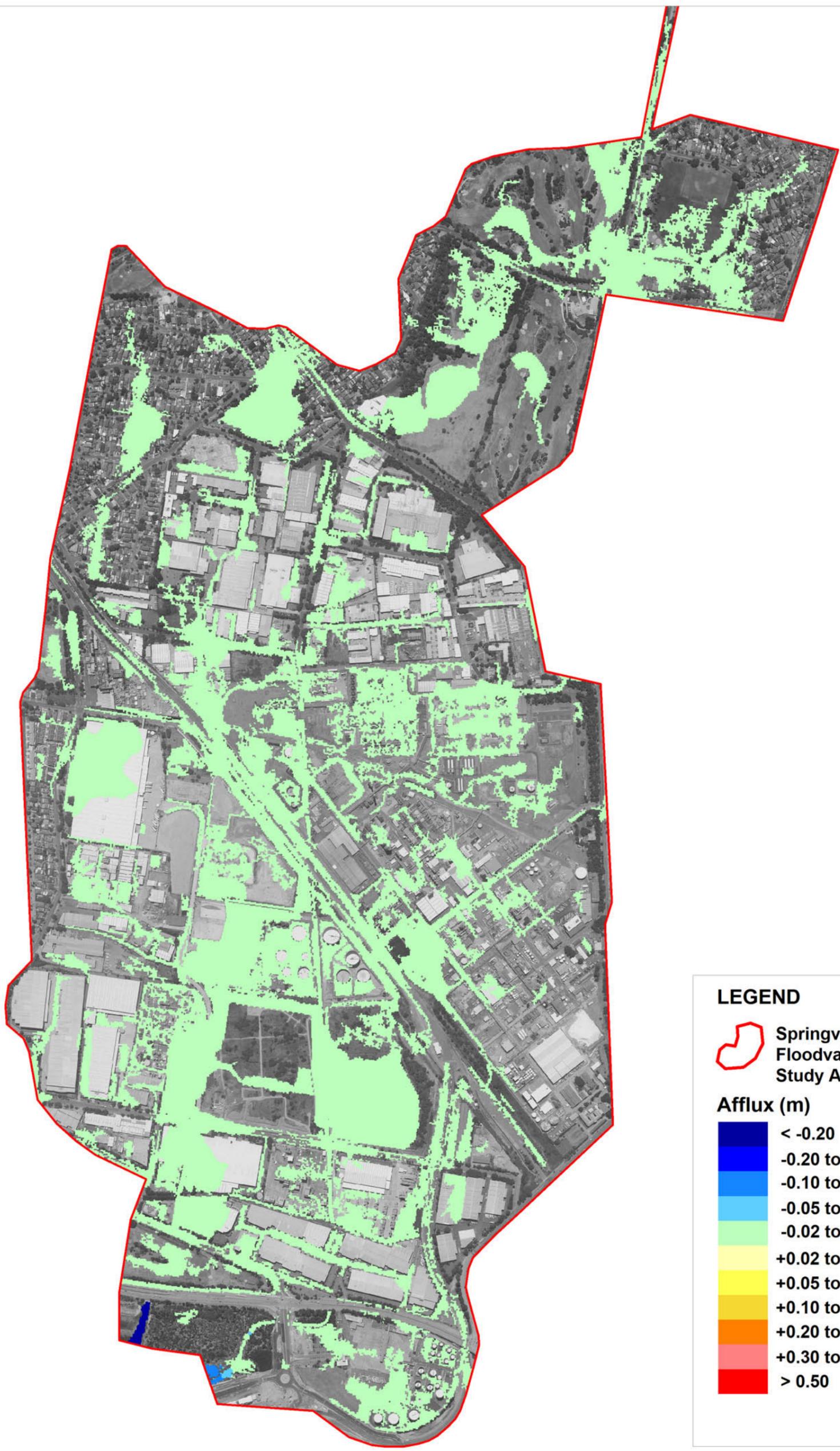
Rev:
A

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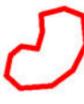


0 200 400m
 Approx. Scale



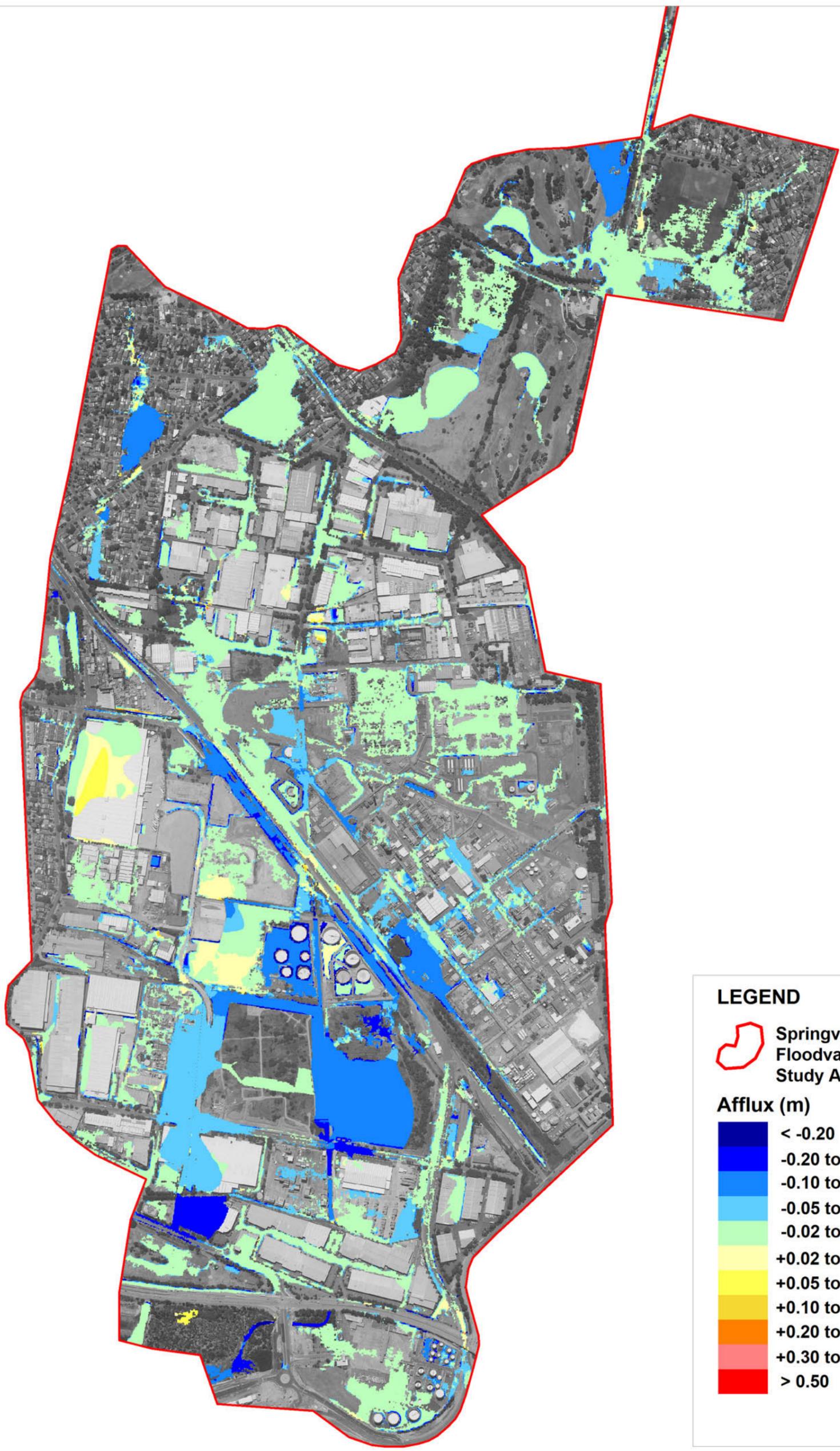


LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |



LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |

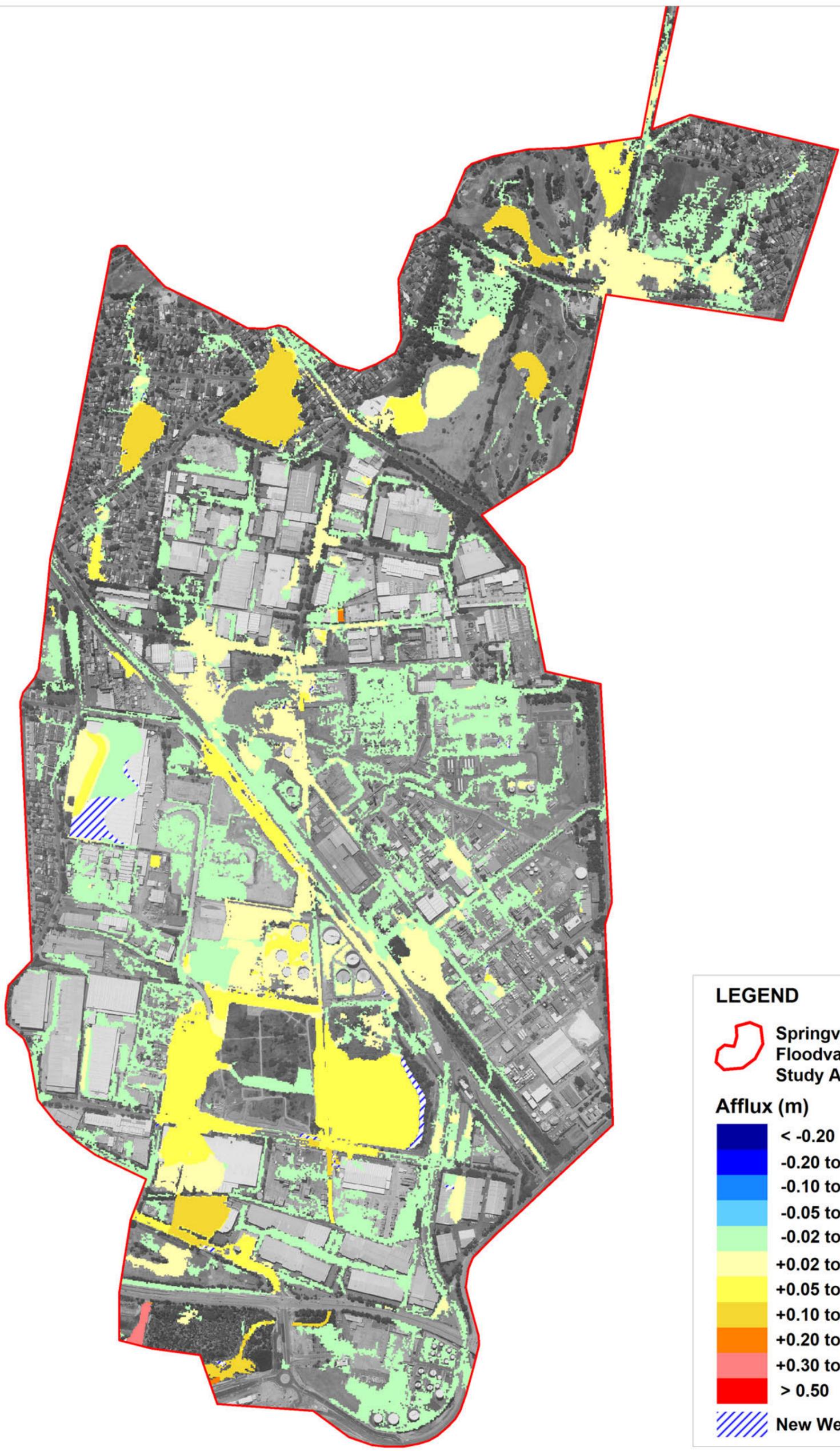
Title:
Change in Peak Flood Level
2m TUFLOW Model Grid Size - 1% AEP Event

Figure:
B-8

Rev:
A

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LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  <math>< -0.20</math>
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

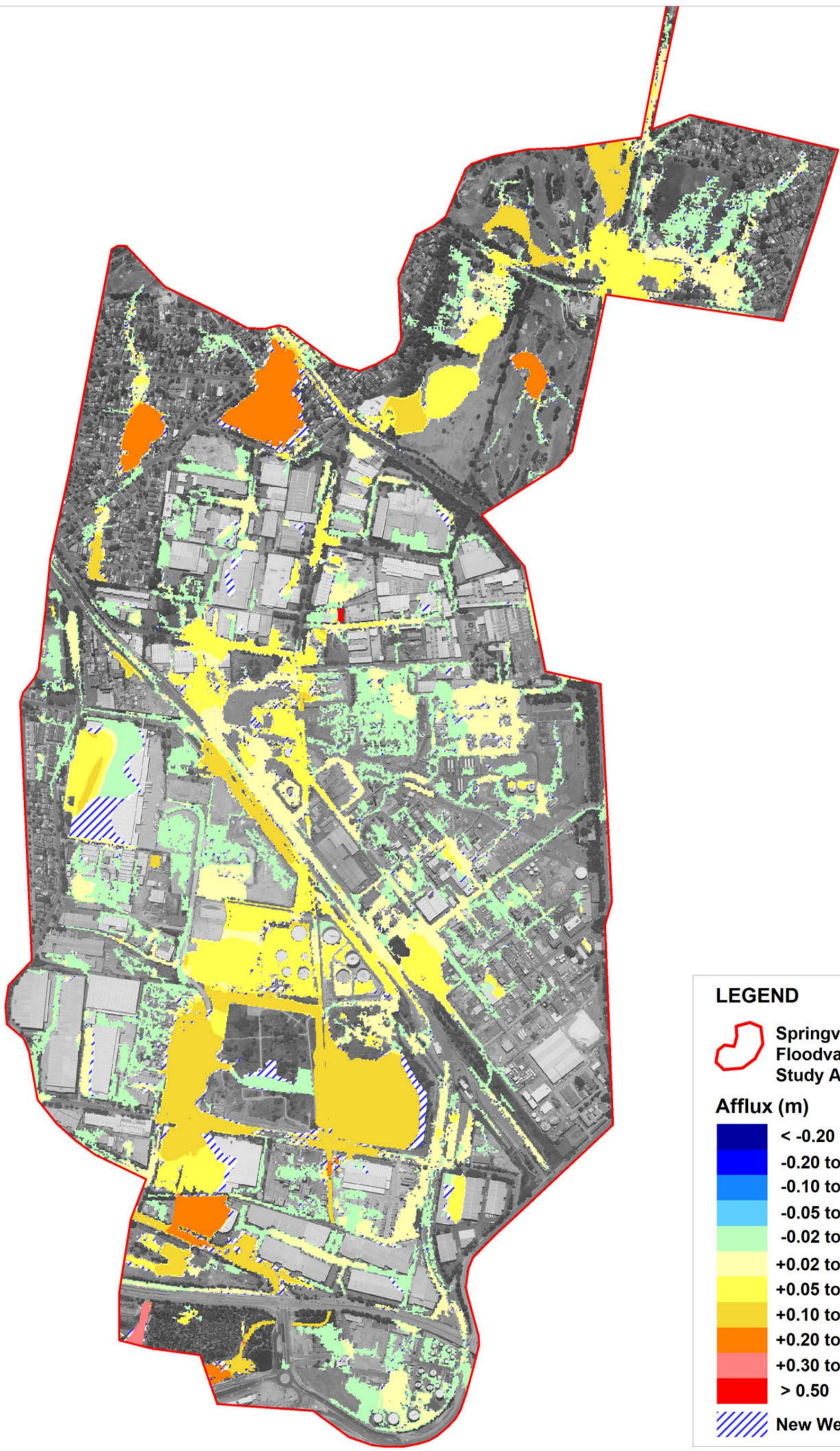
Title:
Change in Peak Flood Level - Climate Change
10% Increase in Rainfall Intensity & +0.4m Sea Level Rise - 1% AEP Event

Figure:
B-9

Rev:
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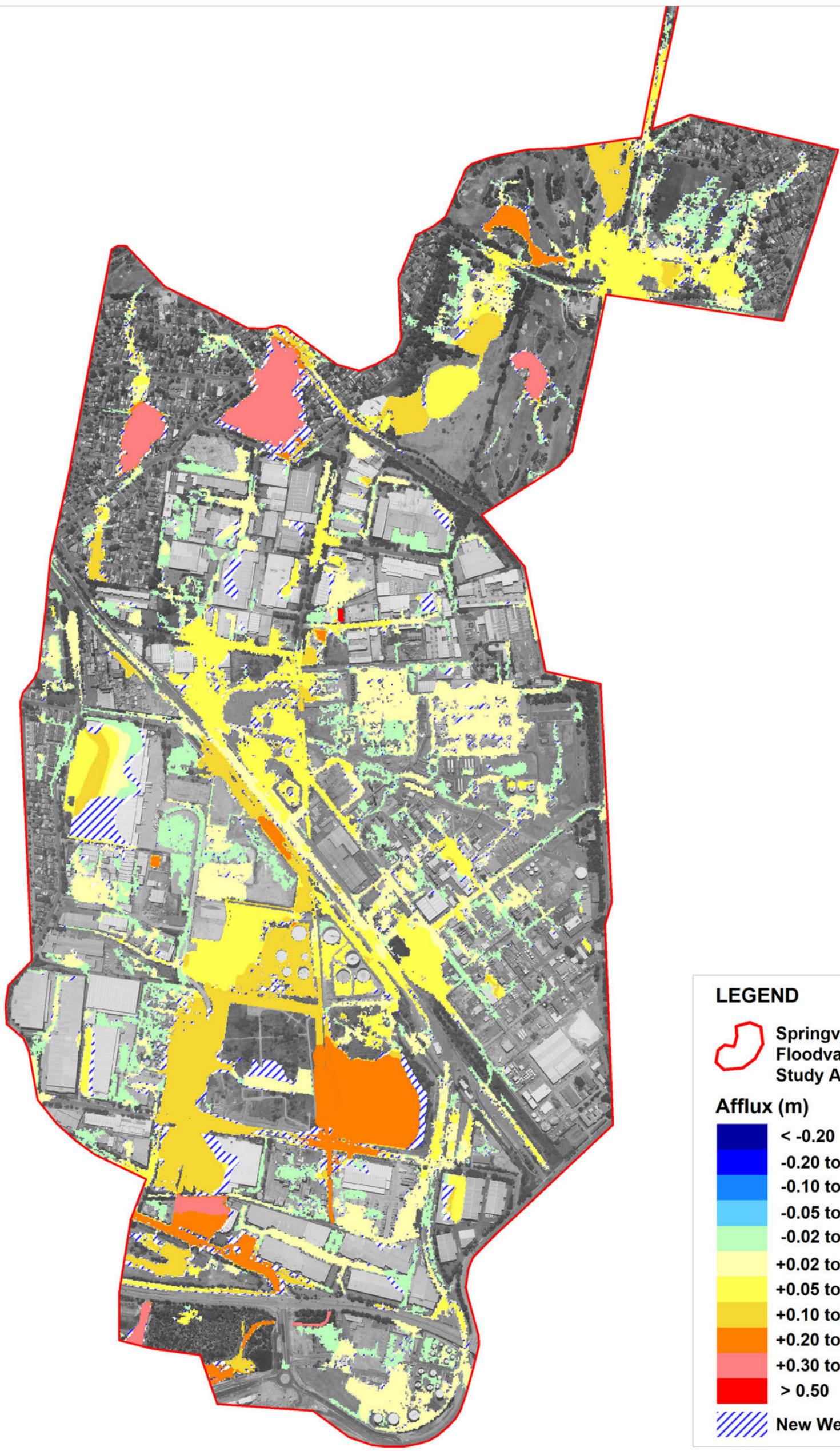
LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |

 New Wet Areas



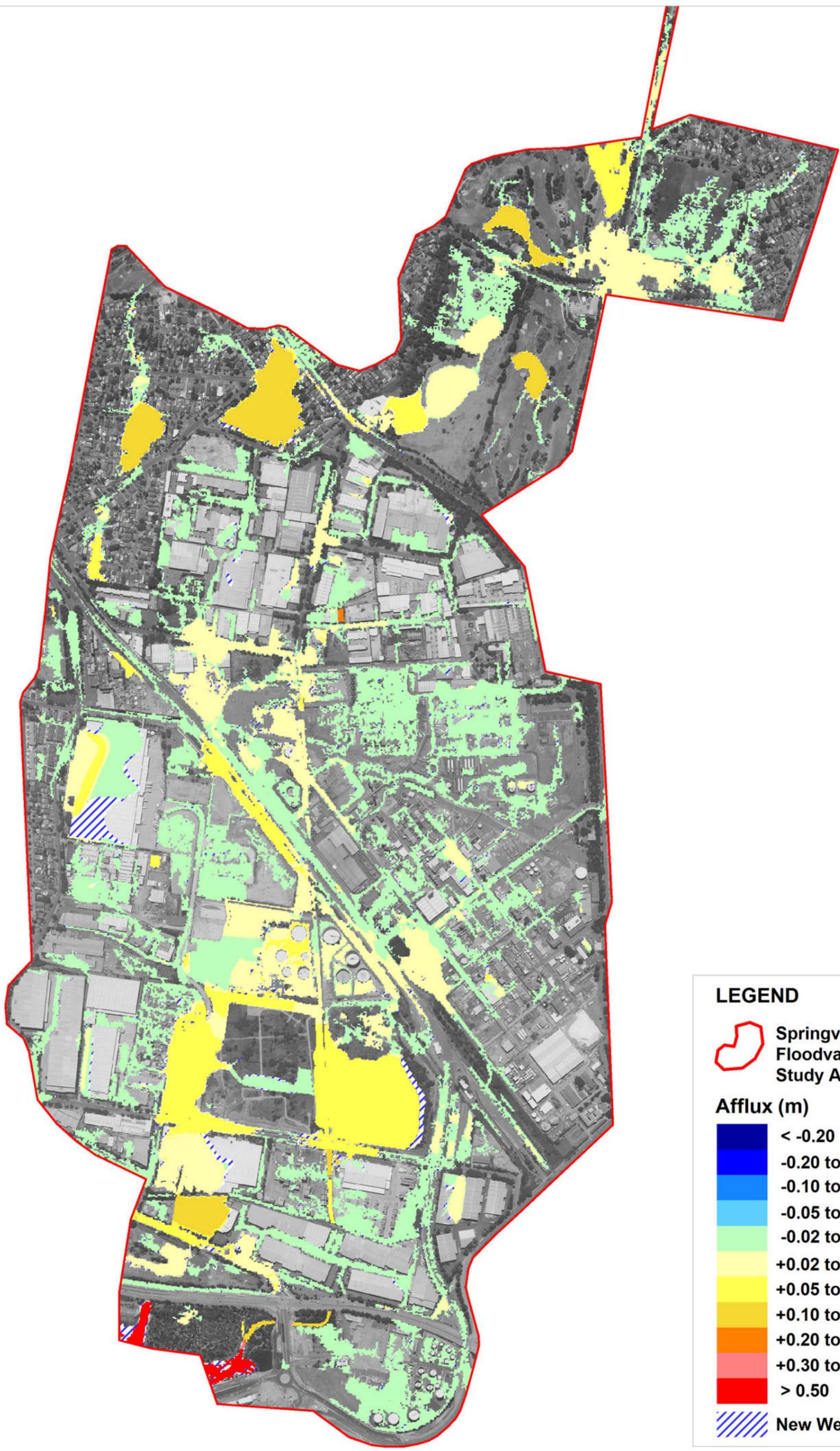
LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

| | |
|---|----------------|
|  | < -0.20 |
|  | -0.20 to -0.10 |
|  | -0.10 to -0.05 |
|  | -0.05 to -0.02 |
|  | -0.02 to +0.02 |
|  | +0.02 to +0.05 |
|  | +0.05 to +0.10 |
|  | +0.10 to +0.20 |
|  | +0.20 to +0.30 |
|  | +0.30 to +0.50 |
|  | > 0.50 |

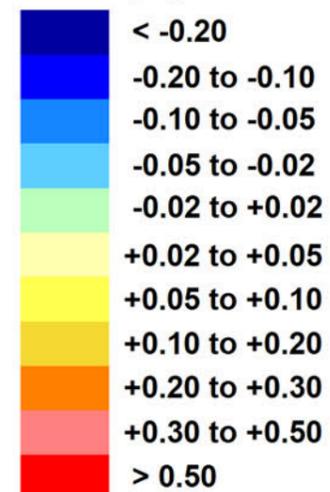
 New Wet Areas



LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)



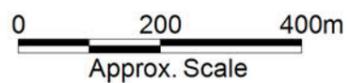
 New Wet Areas

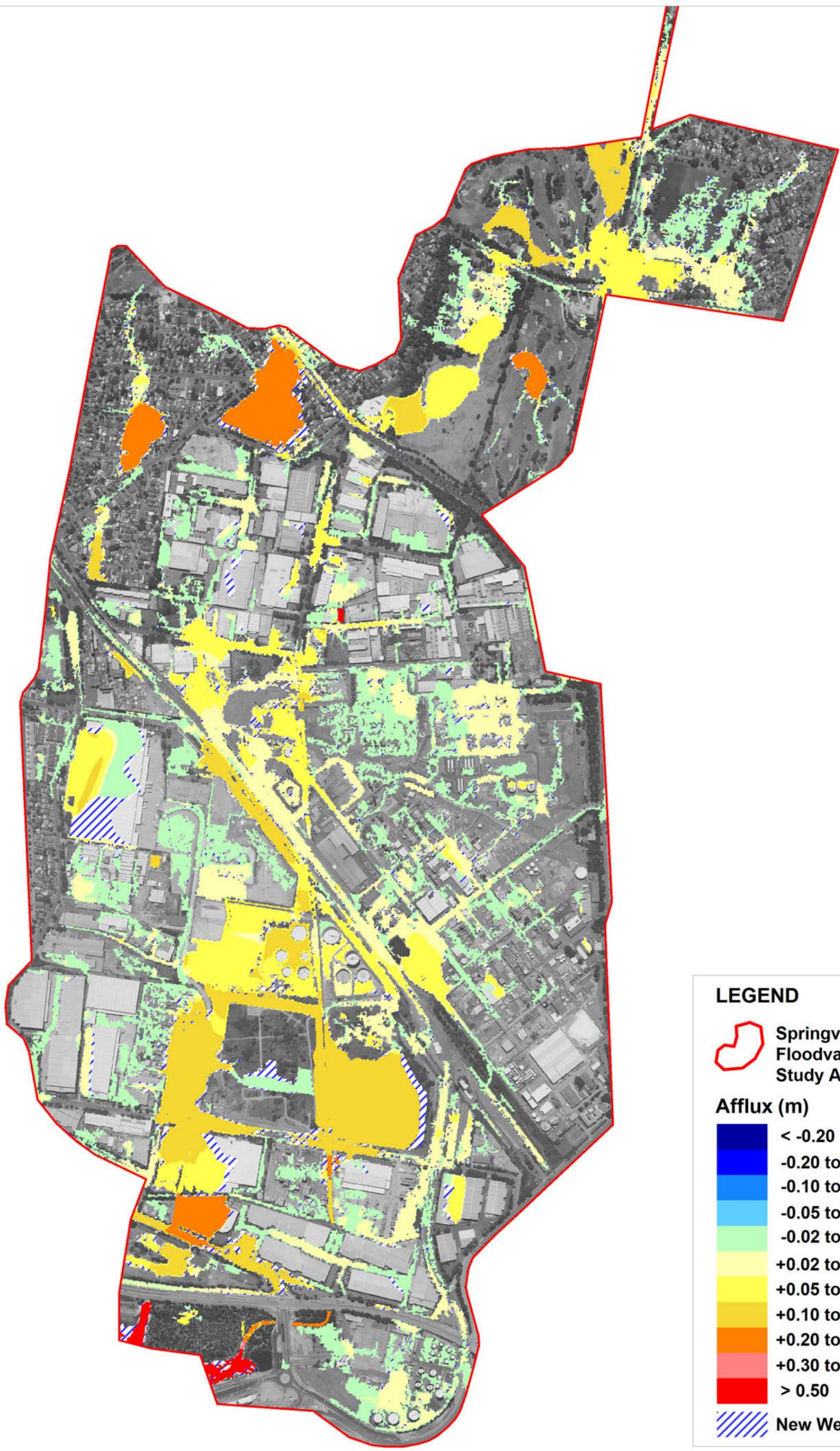
Title:
Change in Peak Flood Level - Climate Change
10% Increase in Rainfall Intensity & +0.9m Sea Level Rise - 1% AEP Event

Figure:
B-12

Rev:
A

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LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

Title:
Change in Peak Flood Level - Climate Change
20% Increase in Rainfall Intensity & +0.9m Sea Level Rise - 1% AEP Event

Figure:
B-13

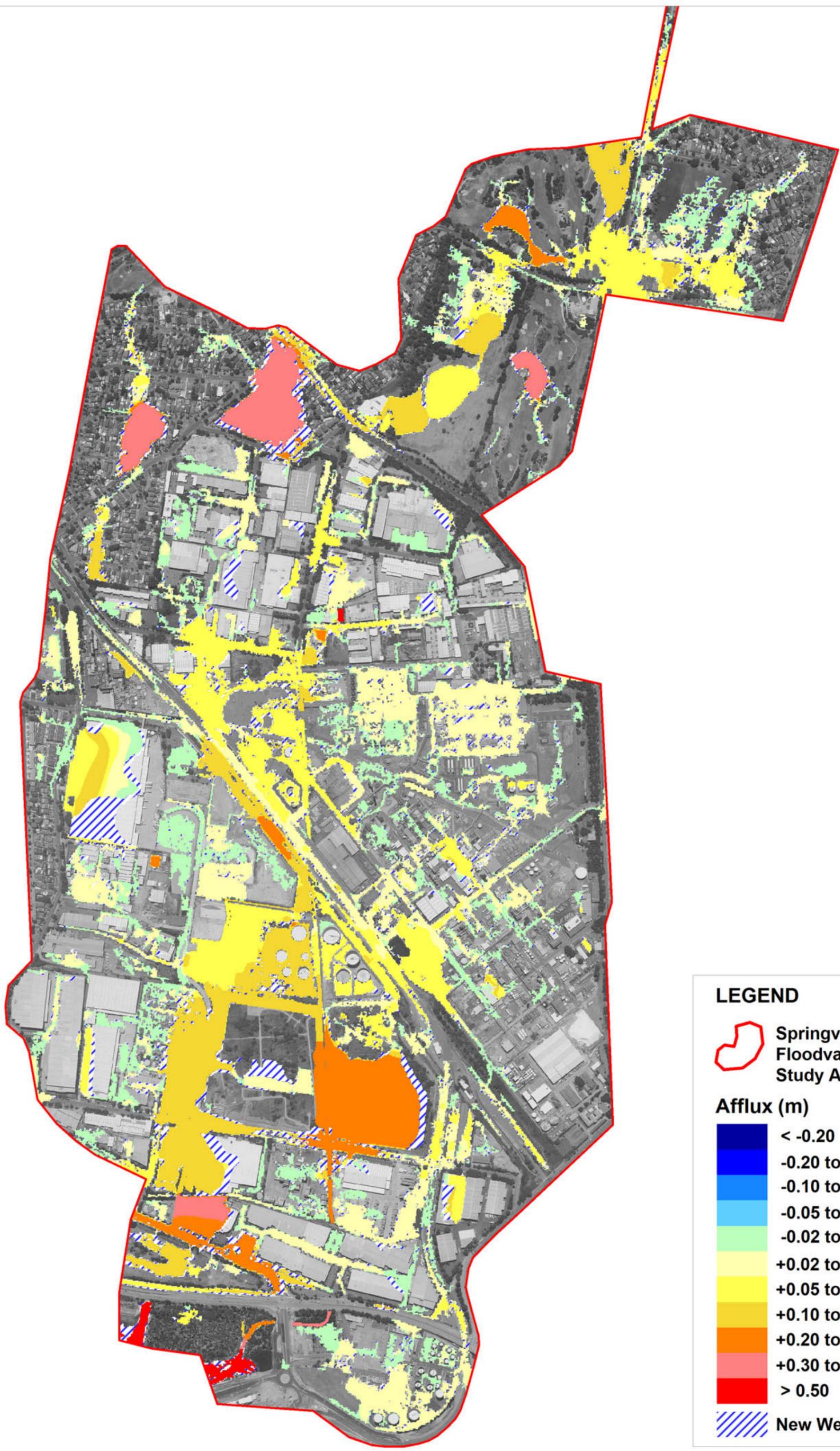
Rev:
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0 200 400m
 Approx. Scale





LEGEND

 Springvale Drain and Floodvale Drain Study Area

Afflux (m)

-  < -0.20
-  -0.20 to -0.10
-  -0.10 to -0.05
-  -0.05 to -0.02
-  -0.02 to +0.02
-  +0.02 to +0.05
-  +0.05 to +0.10
-  +0.10 to +0.20
-  +0.20 to +0.30
-  +0.30 to +0.50
-  > 0.50

 New Wet Areas

Title:
Change in Peak Flood Level - Climate Change
30% Increase in Rainfall Intensity & +0.9m Sea Level Rise - 1% AEP Event

Figure:
B-14

Rev:
A

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0 200 400m
 Approx. Scale

