

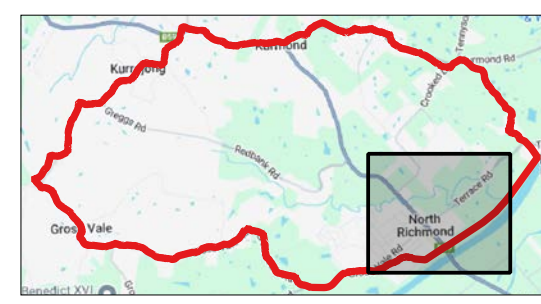
**Figure E.1.7.2**  
**Peak flood level**  
**1 in 500 AEP event**  
**East of North**  
**Richmond**

**Legend**

Study area (red outline)  
 1 m contour (black line)

**Peak water level (m AHD)**

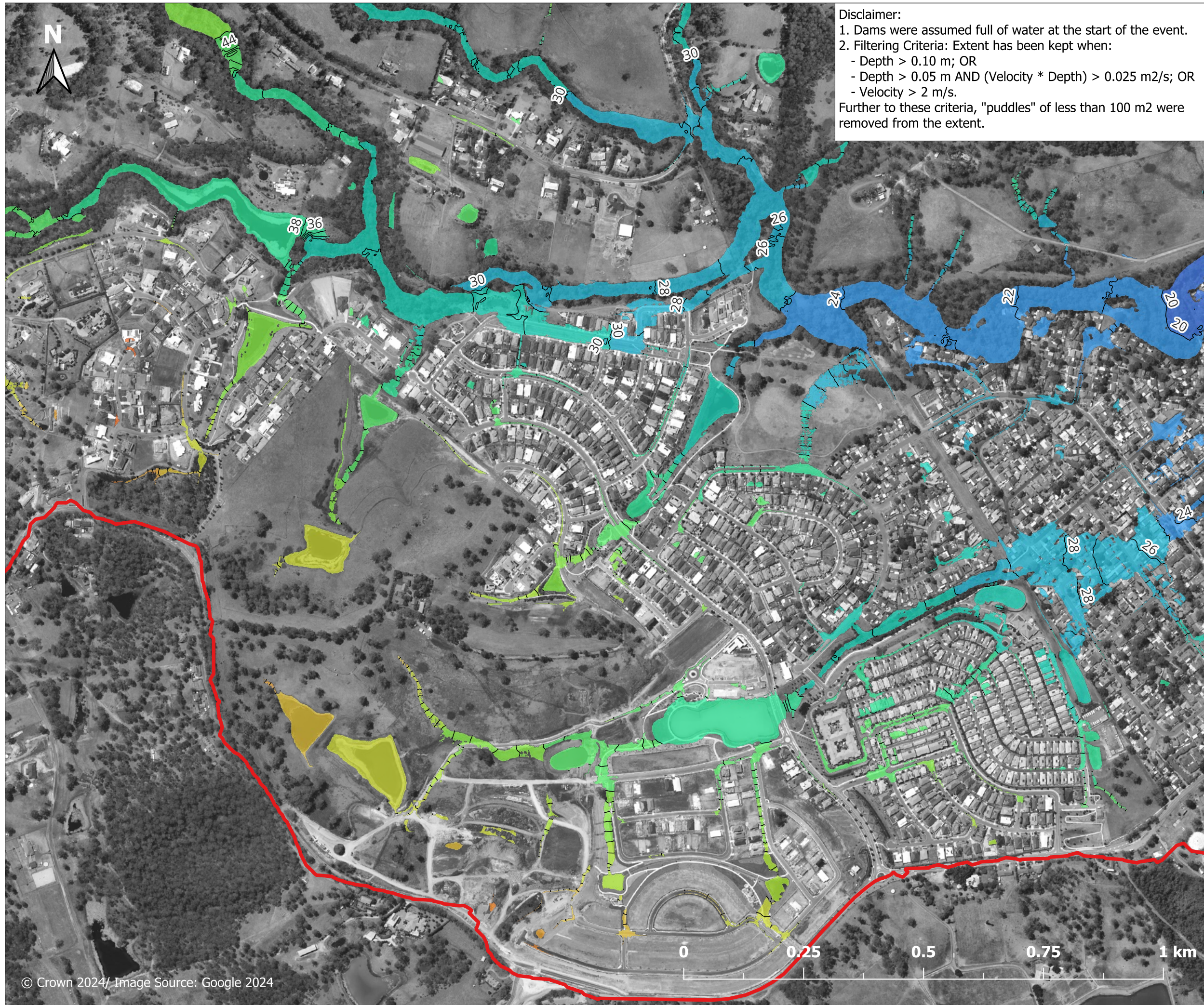
Dark Purple	<= 5	Light Green	50 - 55
Medium Purple	5 - 10	Yellow-Green	55 - 60
Blue-Gray	10 - 15	Yellow	60 - 65
Blue	15 - 20	Orange-Yellow	65 - 70
Light Blue	20 - 25	Orange	70 - 75
Cyan	25 - 30	Red-Orange	75 - 80
Green-Cyan	30 - 35	Red	80 - 85
Green	35 - 40	Dark Red	85 - 90
Light Green	40 - 45	Brown	90 - 95
Yellow-Green	45 - 50	Dark Brown	> 95



**Report MHL3008**  
**Redbank Creek Flood**  
**Study**







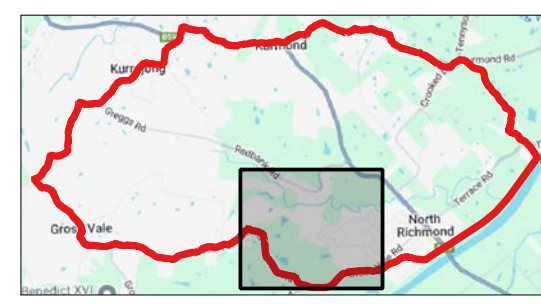
**Figure E.1.7.3**  
**Peak flood level**  
**1 in 500 AEP event**  
**West of North**  
**Richmond**

**Legend**

- Study area
- 1 m contour

**Peak water level (m AHD)**

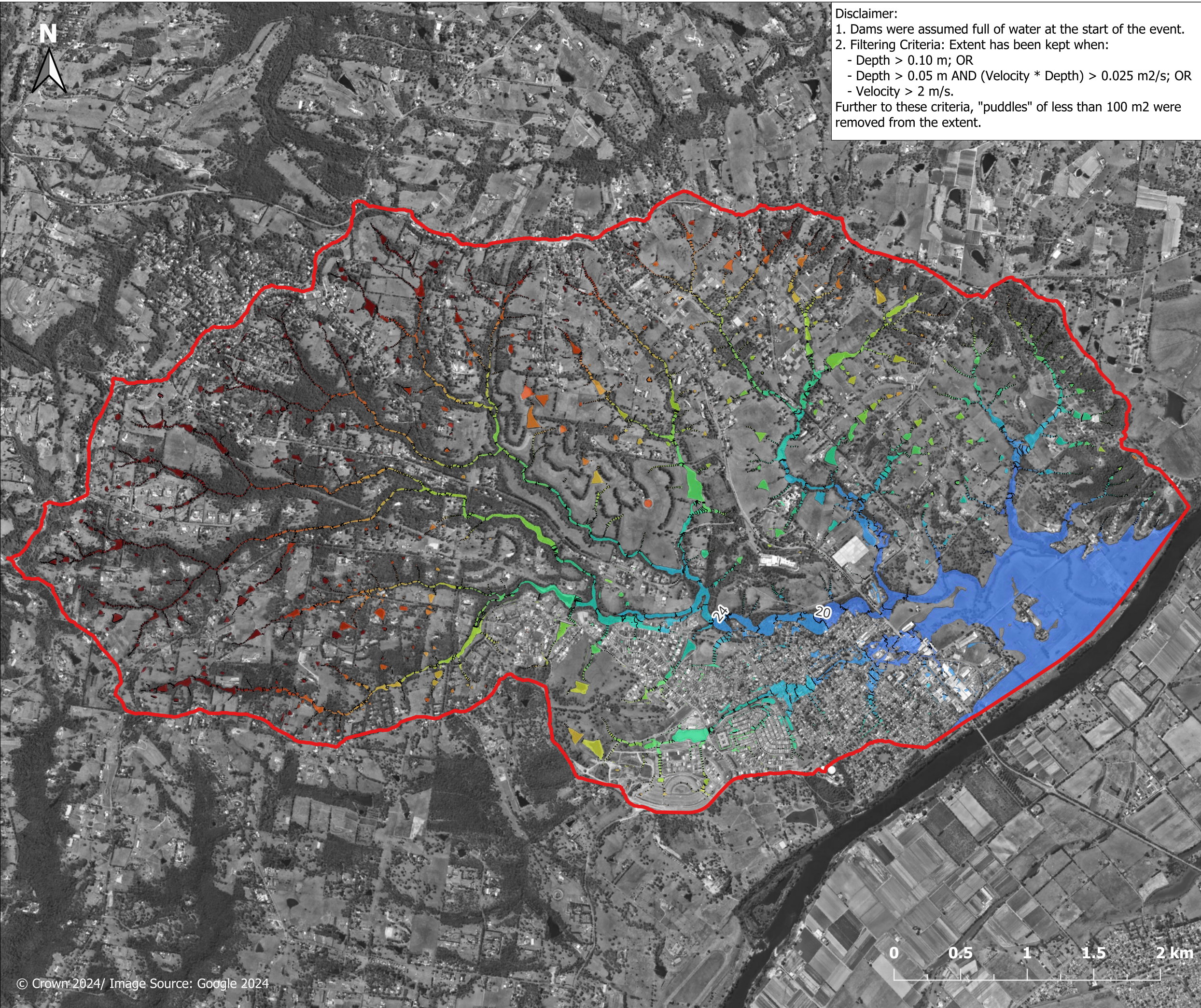
<span style="display: inline-block; width: 15px; height: 15px; background-color: #4b4b4b;"></span> <= 5	<span style="display: inline-block; width: 15px; height: 15px; background-color: #90ee90;"></span> 50 - 55
<span style="display: inline-block; width: 15px; height: 15px; background-color: #6a5acd;"></span> 5 - 10	<span style="display: inline-block; width: 15px; height: 15px; background-color: #d4edda;"></span> 55 - 60
<span style="display: inline-block; width: 15px; height: 15px; background-color: #4169e1;"></span> 10 - 15	<span style="display: inline-block; width: 15px; height: 15px; background-color: #fff3cd;"></span> 60 - 65
<span style="display: inline-block; width: 15px; height: 15px; background-color: #1e90ff;"></span> 15 - 20	<span style="display: inline-block; width: 15px; height: 15px; background-color: #ffcdd2;"></span> 65 - 70
<span style="display: inline-block; width: 15px; height: 15px; background-color: #6495ed;"></span> 20 - 25	<span style="display: inline-block; width: 15px; height: 15px; background-color: #f8d7da;"></span> 70 - 75
<span style="display: inline-block; width: 15px; height: 15px; background-color: #40e0d0;"></span> 25 - 30	<span style="display: inline-block; width: 15px; height: 15px; background-color: #f5c69f;"></span> 75 - 80
<span style="display: inline-block; width: 15px; height: 15px; background-color: #7fffd4;"></span> 30 - 35	<span style="display: inline-block; width: 15px; height: 15px; background-color: #d2691e;"></span> 80 - 85
<span style="display: inline-block; width: 15px; height: 15px; background-color: #32cd32;"></span> 35 - 40	<span style="display: inline-block; width: 15px; height: 15px; background-color: #8b4513;"></span> 85 - 90
<span style="display: inline-block; width: 15px; height: 15px; background-color: #90ee90;"></span> 40 - 45	<span style="display: inline-block; width: 15px; height: 15px; background-color: #4682b4;"></span> 90 - 95
<span style="display: inline-block; width: 15px; height: 15px; background-color: #90ee90;"></span> 45 - 50	<span style="display: inline-block; width: 15px; height: 15px; background-color: #800000;"></span> > 95



**Report MHL3008**  
**Redbank Creek Flood**  
**Study**







Disclaimer:  
 1. Dams were assumed full of water at the start of the event.  
 2. Filtering Criteria: Extent has been kept when:  
 - Depth > 0.10 m; OR  
 - Depth > 0.05 m AND (Velocity \* Depth) > 0.025 m<sup>2</sup>/s; OR  
 - Velocity > 2 m/s.  
 Further to these criteria, "puddles" of less than 100 m<sup>2</sup> were removed from the extent.

**Figure E.1.8.1**  
**Peak flood level**  
**1 in 1000 AEP event**  
**North Richmond**  
**Overview**

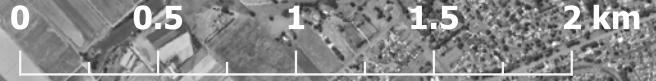
**Legend**

- Study area
- 1 m contour

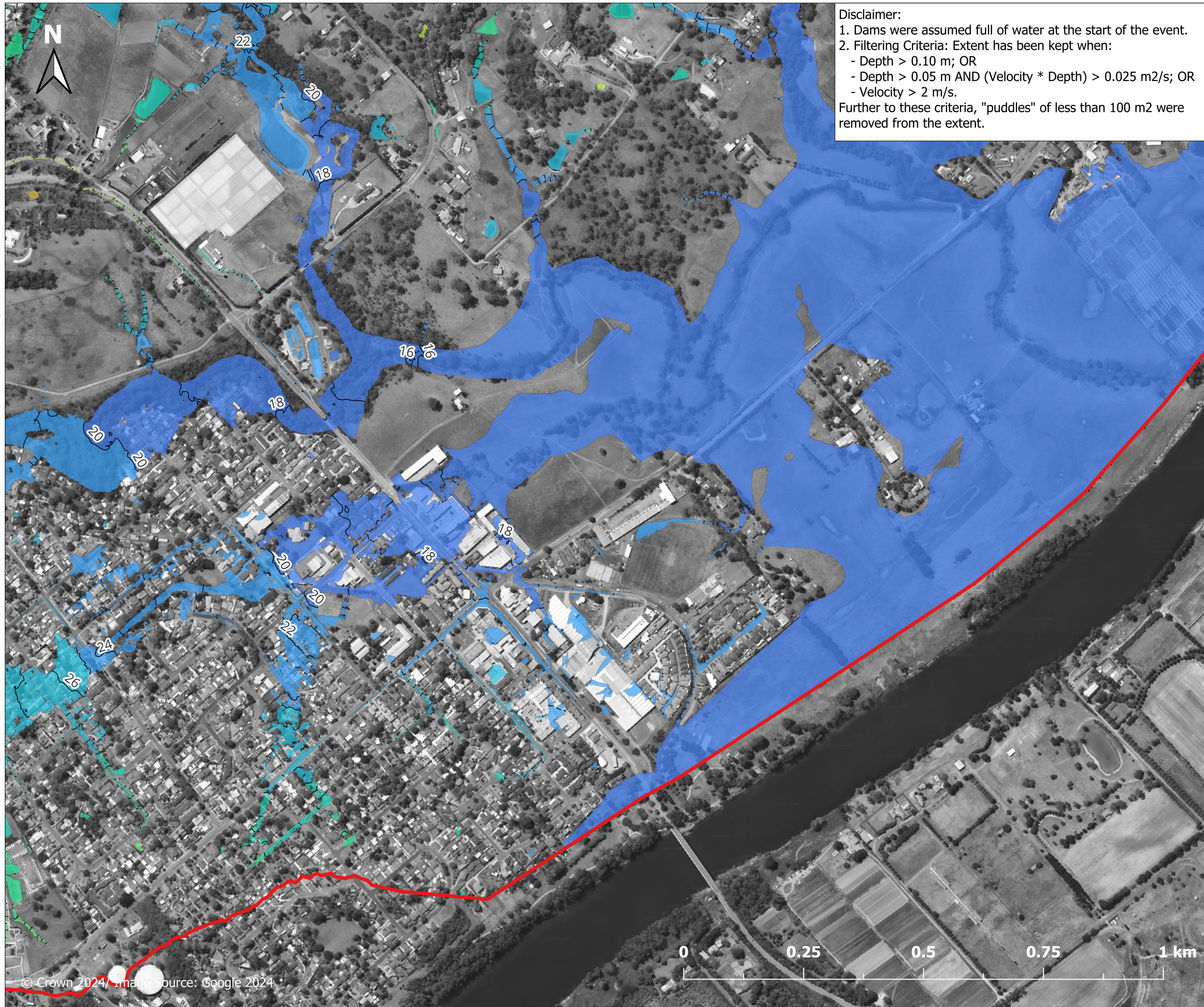
**Peak water level (m AHD)**

<span style="display: inline-block; width: 15px; height: 10px; background-color: #4b4b8b; margin-right: 5px;"></span> <= 5	<span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; margin-right: 5px;"></span> 50 - 55
<span style="display: inline-block; width: 15px; height: 10px; background-color: #6a5acd; margin-right: 5px;"></span> 5 - 10	<span style="display: inline-block; width: 15px; height: 10px; background-color: #d4edda; margin-right: 5px;"></span> 55 - 60
<span style="display: inline-block; width: 15px; height: 10px; background-color: #4169e1; margin-right: 5px;"></span> 10 - 15	<span style="display: inline-block; width: 15px; height: 10px; background-color: #fff3cd; margin-right: 5px;"></span> 60 - 65
<span style="display: inline-block; width: 15px; height: 10px; background-color: #1e90ff; margin-right: 5px;"></span> 15 - 20	<span style="display: inline-block; width: 15px; height: 10px; background-color: #ffc107; margin-right: 5px;"></span> 65 - 70
<span style="display: inline-block; width: 15px; height: 10px; background-color: #add8e6; margin-right: 5px;"></span> 20 - 25	<span style="display: inline-block; width: 15px; height: 10px; background-color: #ff7f0e; margin-right: 5px;"></span> 70 - 75
<span style="display: inline-block; width: 15px; height: 10px; background-color: #40e0d0; margin-right: 5px;"></span> 25 - 30	<span style="display: inline-block; width: 15px; height: 10px; background-color: #ff4500; margin-right: 5px;"></span> 75 - 80
<span style="display: inline-block; width: 15px; height: 10px; background-color: #7fffd4; margin-right: 5px;"></span> 30 - 35	<span style="display: inline-block; width: 15px; height: 10px; background-color: #d2691e; margin-right: 5px;"></span> 80 - 85
<span style="display: inline-block; width: 15px; height: 10px; background-color: #3cb371; margin-right: 5px;"></span> 35 - 40	<span style="display: inline-block; width: 15px; height: 10px; background-color: #8b0000; margin-right: 5px;"></span> 85 - 90
<span style="display: inline-block; width: 15px; height: 10px; background-color: #32cd32; margin-right: 5px;"></span> 40 - 45	<span style="display: inline-block; width: 15px; height: 10px; background-color: #800000; margin-right: 5px;"></span> 90 - 95
<span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; margin-right: 5px;"></span> 45 - 50	<span style="display: inline-block; width: 15px; height: 10px; background-color: #800000; margin-right: 5px;"></span> > 95

**Report MHL3008**  
**Redbank Creek Flood**  
**Study**







**Disclaimer:**  
 1. Dams were assumed full of water at the start of the event.  
 2. Filtering Criteria: Extent has been kept when:  
 - Depth > 0.10 m; OR  
 - Depth > 0.05 m AND (Velocity \* Depth) > 0.025 m<sup>2</sup>/s; OR  
 - Velocity > 2 m/s.  
 Further to these criteria, "puddles" of less than 100 m<sup>2</sup> were removed from the extent.

**Figure E.1.8.2**  
**Peak flood level**  
**1 in 1000 AEP event**  
**East of North**  
**Richmond**

**Legend**

Study area  
 — 1 m contour

**Peak water level (m AHD)**

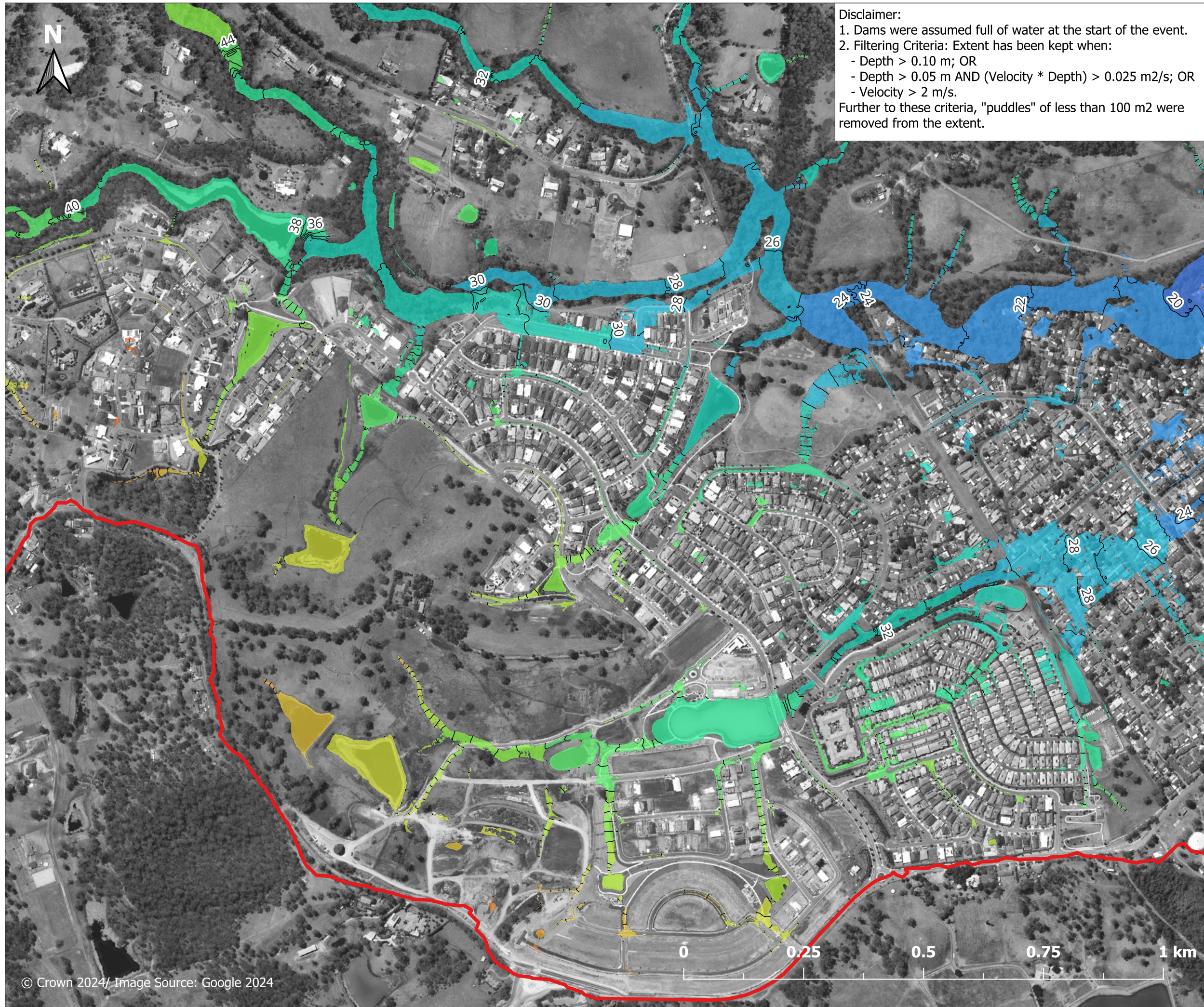
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #4b3621; margin-right: 5px;"></span> &lt;= 5</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #665193; margin-right: 5px;"></span> 5 - 10</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #8070d9; margin-right: 5px;"></span> 10 - 15</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #a090ff; margin-right: 5px;"></span> 15 - 20</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #c0b0ff; margin-right: 5px;"></span> 20 - 25</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #e0d0ff; margin-right: 5px;"></span> 25 - 30</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #f0f0ff; margin-right: 5px;"></span> 30 - 35</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #d9ead3; margin-right: 5px;"></span> 35 - 40</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #cfe2f3; margin-right: 5px;"></span> 40 - 45</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #b2d7c9; margin-right: 5px;"></span> 45 - 50</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ffff99; margin-right: 5px;"></span> 50 - 55</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ffff66; margin-right: 5px;"></span> 55 - 60</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ffff33; margin-right: 5px;"></span> 60 - 65</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ffcc00; margin-right: 5px;"></span> 65 - 70</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ff9900; margin-right: 5px;"></span> 70 - 75</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ff6600; margin-right: 5px;"></span> 75 - 80</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ff3300; margin-right: 5px;"></span> 80 - 85</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #ff0000; margin-right: 5px;"></span> 85 - 90</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #cc0000; margin-right: 5px;"></span> 90 - 95</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #990000; margin-right: 5px;"></span> &gt; 95</li> </ul>
---	--



**Report MHL3008**  
**Redbank Creek Flood**  
**Study**







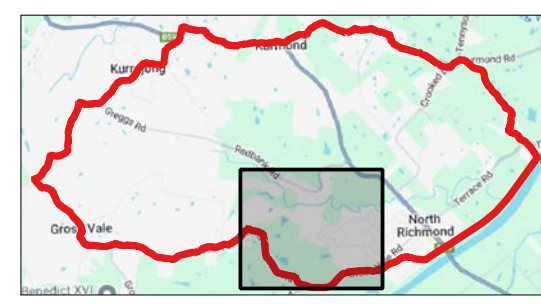
**Figure E.1.8.3**  
**Peak flood level**  
**1 in 1000 AEP event**  
**West of North**  
**Richmond**

**Legend**

- Study area
- 1 m contour

**Peak water level (m AHD)**

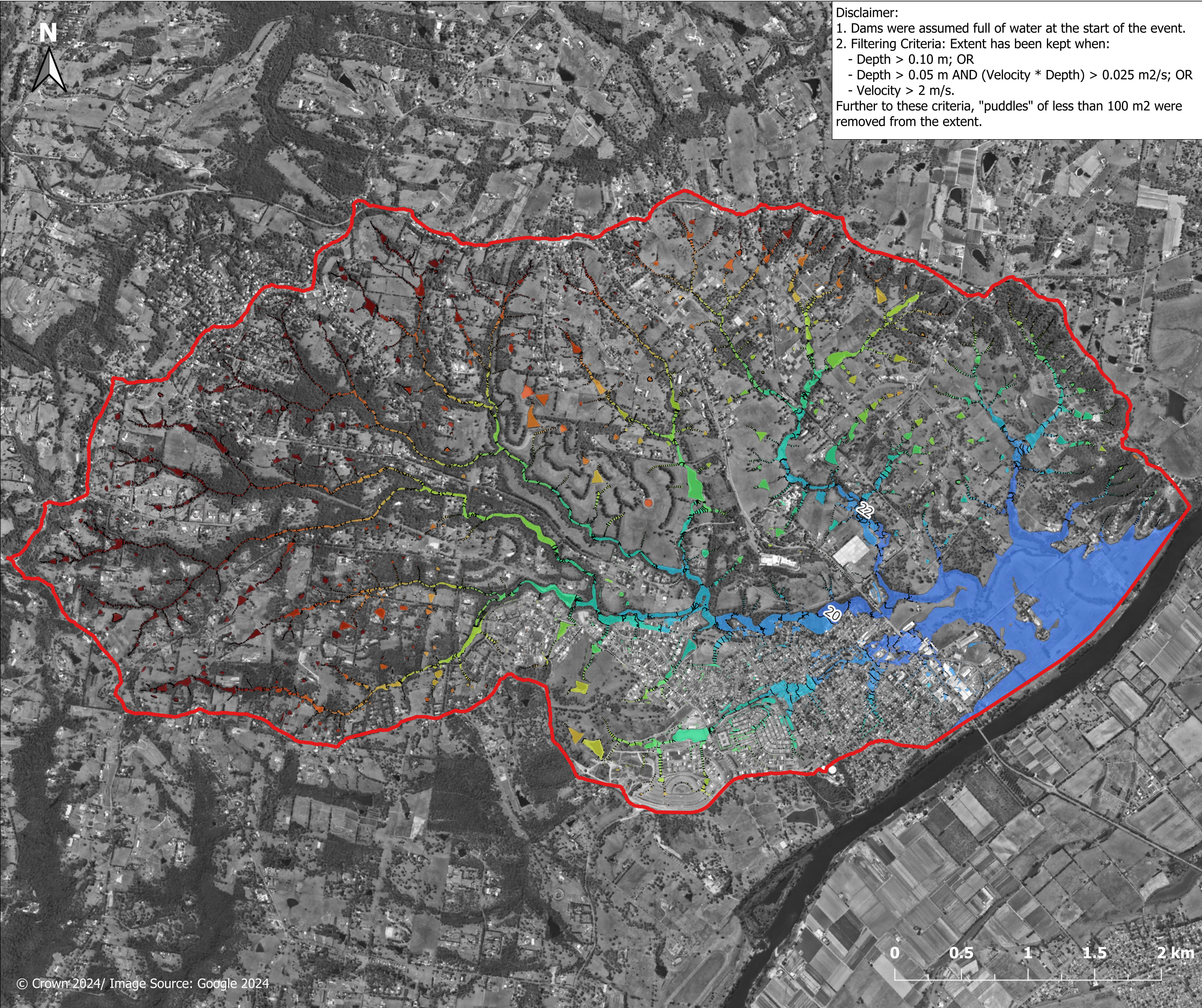
<= 5	50 - 55
5 - 10	55 - 60
10 - 15	60 - 65
15 - 20	65 - 70
20 - 25	70 - 75
25 - 30	75 - 80
30 - 35	80 - 85
35 - 40	85 - 90
40 - 45	90 - 95
45 - 50	> 95



**Report MHL3008**  
**Redbank Creek Flood**  
**Study**







**Disclaimer:**

1. Dams were assumed full of water at the start of the event.
2. Filtering Criteria: Extent has been kept when:
  - Depth > 0.10 m; OR
  - Depth > 0.05 m AND (Velocity \* Depth) > 0.025 m<sup>2</sup>/s; OR
  - Velocity > 2 m/s.
 Further to these criteria, "puddles" of less than 100 m<sup>2</sup> were removed from the extent.

**Figure E.1.9.1**

**Peak flood level  
1 in 2000 AEP event  
North Richmond  
Overview**

**Legend**

- Study area
- 1 m contour

**Peak water level (m AHD)**

<span style="display: inline-block; width: 15px; height: 10px; background-color: #483D8B; margin-right: 5px;"></span> <= 5	<span style="display: inline-block; width: 15px; height: 10px; background-color: #90EE90; margin-right: 5px;"></span> 50 - 55
<span style="display: inline-block; width: 15px; height: 10px; background-color: #6A5ACD; margin-right: 5px;"></span> 5 - 10	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> 55 - 60
<span style="display: inline-block; width: 15px; height: 10px; background-color: #4169E1; margin-right: 5px;"></span> 10 - 15	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FFD700; margin-right: 5px;"></span> 60 - 65
<span style="display: inline-block; width: 15px; height: 10px; background-color: #1E90FF; margin-right: 5px;"></span> 15 - 20	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF8C00; margin-right: 5px;"></span> 65 - 70
<span style="display: inline-block; width: 15px; height: 10px; background-color: #00CED1; margin-right: 5px;"></span> 20 - 25	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF4500; margin-right: 5px;"></span> 70 - 75
<span style="display: inline-block; width: 15px; height: 10px; background-color: #40E0D0; margin-right: 5px;"></span> 25 - 30	<span style="display: inline-block; width: 15px; height: 10px; background-color: #FF0000; margin-right: 5px;"></span> 75 - 80
<span style="display: inline-block; width: 15px; height: 10px; background-color: #7FFFD4; margin-right: 5px;"></span> 30 - 35	<span style="display: inline-block; width: 15px; height: 10px; background-color: #8B0000; margin-right: 5px;"></span> 80 - 85
<span style="display: inline-block; width: 15px; height: 10px; background-color: #3CB371; margin-right: 5px;"></span> 35 - 40	<span style="display: inline-block; width: 15px; height: 10px; background-color: #A52A2A; margin-right: 5px;"></span> 85 - 90
<span style="display: inline-block; width: 15px; height: 10px; background-color: #32CD32; margin-right: 5px;"></span> 40 - 45	<span style="display: inline-block; width: 15px; height: 10px; background-color: #8B4513; margin-right: 5px;"></span> 90 - 95
<span style="display: inline-block; width: 15px; height: 10px; background-color: #9ACD32; margin-right: 5px;"></span> 45 - 50	<span style="display: inline-block; width: 15px; height: 10px; background-color: #4682B4; margin-right: 5px;"></span> > 95

**Report MHL3008**

**Redbank Creek Flood  
Study**



**Manly  
Hydraulics  
Laboratory**

