Figure E.2.4.1

**Peak flood depth
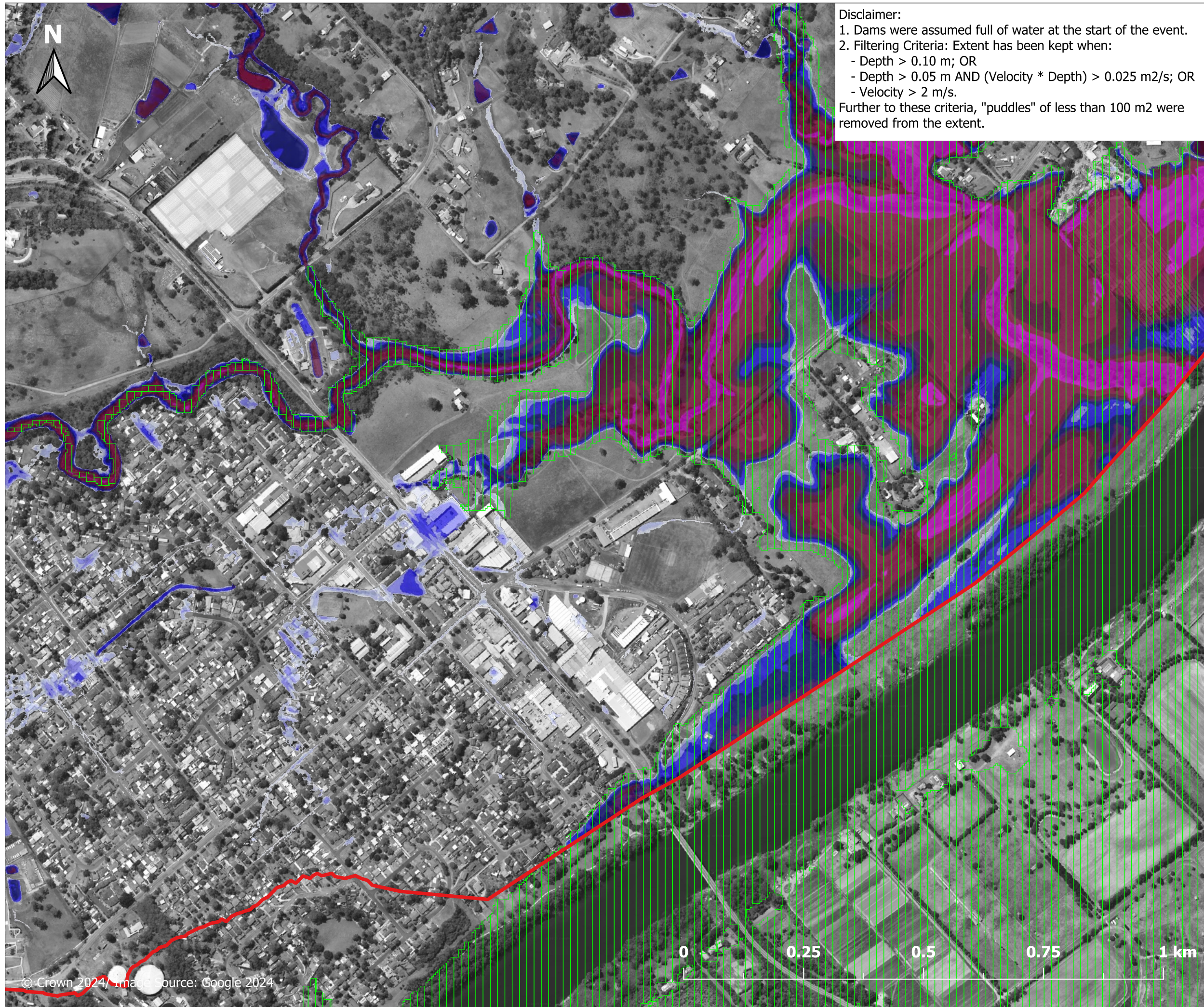2% AEP event
North Richmond
Overview**

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 m2/s; OR
   - Velocity > 2 m/s.
Further to these criteria, "puddles" of less than 100 m2 were removed from the extent.

Legend

▭ Study area
▦ Riverine extent (HNRFS, 2024)

Depth (m)
☐ <= 0.05
☐ 0.05-0.15
☐ 0.15-0.30
☐ 0.30-0.50
☐ 0.50-1.00
☐ 1.00-1.50
☐ 1.50-2.00
☐ 2.00-3.00
☐ 3.00-5.00
☐ >5.00

0   0.5   1   1.5   2 km

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Figure E.2.4.2

Peak flood depth 2% AEP event East of North Richmond

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 m2/s; OR
   - Velocity > 2 m/s.
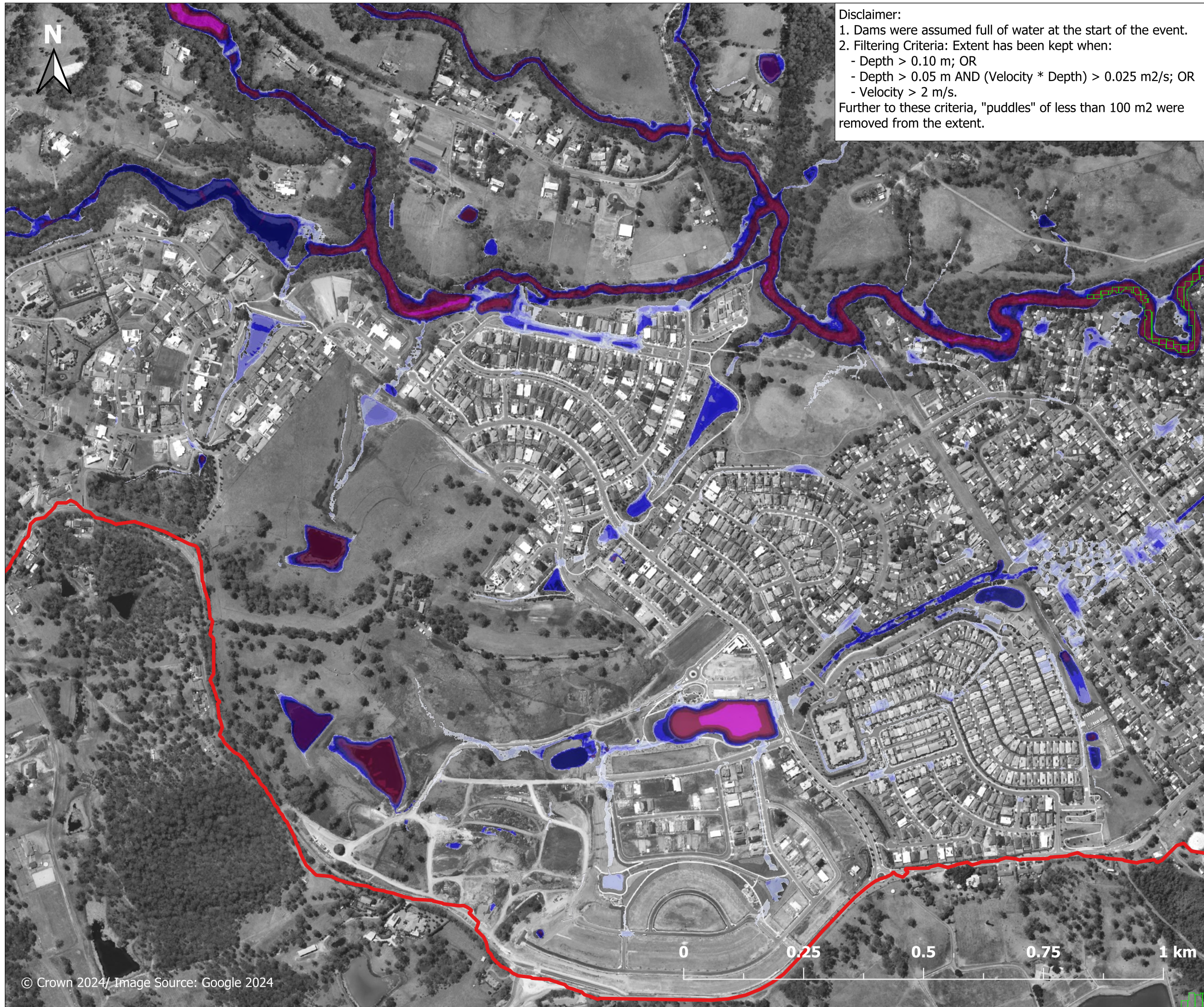Further to these criteria, "puddles" of less than 100 m2 were removed from the extent.

Legend

- Study area
- Riverine extent (HNRFS, 2024)

Depth (m)
- <= 0.05
- 0.05-0.15
- 0.15-0.30
- 0.30-0.50
- 0.50-1.00
- 1.00-1.50
- 1.50-2.00
- 2.00-3.00
- 3.00-5.00
- >5.00

0   0.25   0.5   0.75   1 km

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Figure E.2.4.3

Peak flood depth 2% AEP event West of North Richmond

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 m2/s; OR
   - Velocity > 2 m/s.
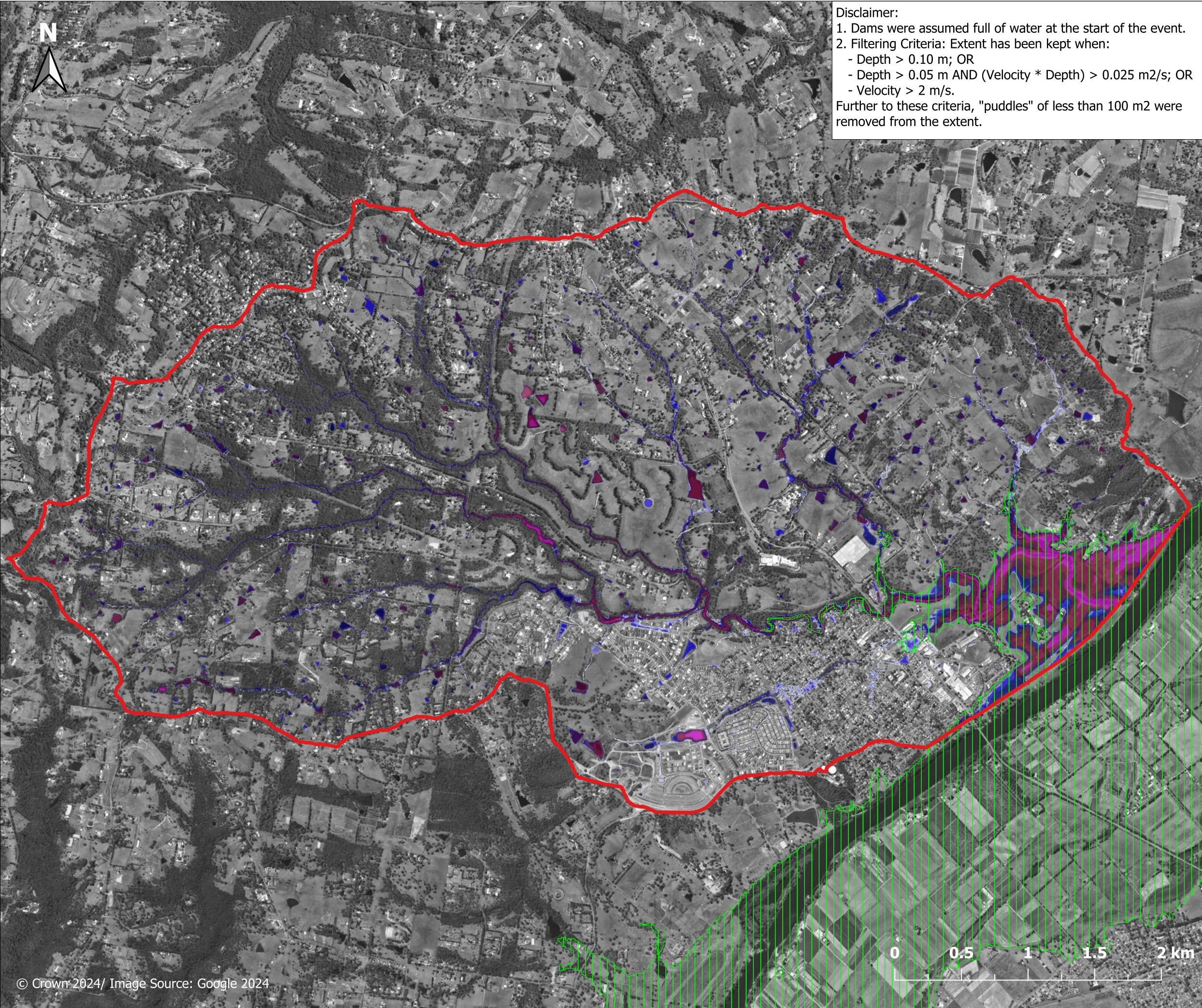Further to these criteria, "puddles" of less than 100 m2 were removed from the extent.

Legend

▭ (red outline)	Study area
▭ (green)	Riverine extent (HNRFS, 2024)

Depth (m)

▭	<= 0.05
▭	0.05-0.15
▭	0.15-0.30
▭	0.30-0.50
▭	0.50-1.00
▭	1.00-1.50
▭	1.50-2.00
▭	2.00-3.00
▭	3.00-5.00
▭	>5.00

0   0.25   0.5   0.75   1 km

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Figure E.2.5.1

**Peak flood depth
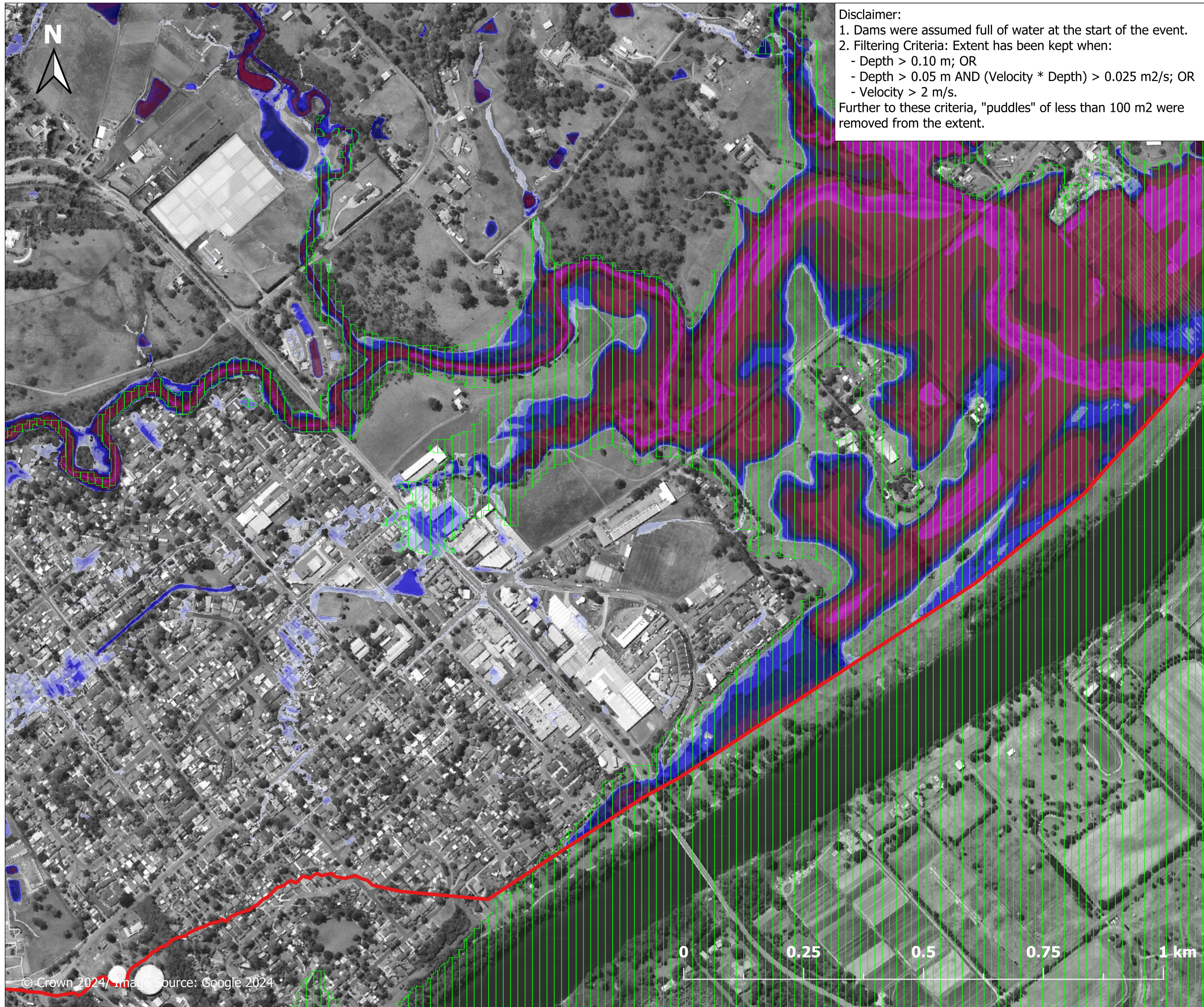1% AEP event
North Richmond
Overview**

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 m2/s; OR
   - Velocity > 2 m/s.
Further to these criteria, "puddles" of less than 100 m2 were
removed from the extent.

Legend

Study area

Riverine extent
(HNRFS, 2024)

Depth (m)

<= 0.05
0.05-0.15
0.15-0.30
0.30-0.50
0.50-1.00
1.00-1.50
1.50-2.00
2.00-3.00
3.00-5.00
>5.00

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0   0.5   1   1.5   2 km

Figure E.2.5.2

**Peak flood depth
1% AEP event
East of North
Richmond**

Legend

Study area

Riverine extent
(HNRFS, 2024)

Depth (m)

<= 0.05
0.05-0.15
0.15-0.30
0.30-0.50
0.50-1.00
1.00-1.50
1.50-2.00
2.00-3.00
3.00-5.00
>5.00

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 m2/s; OR
   - Velocity > 2 m/s.
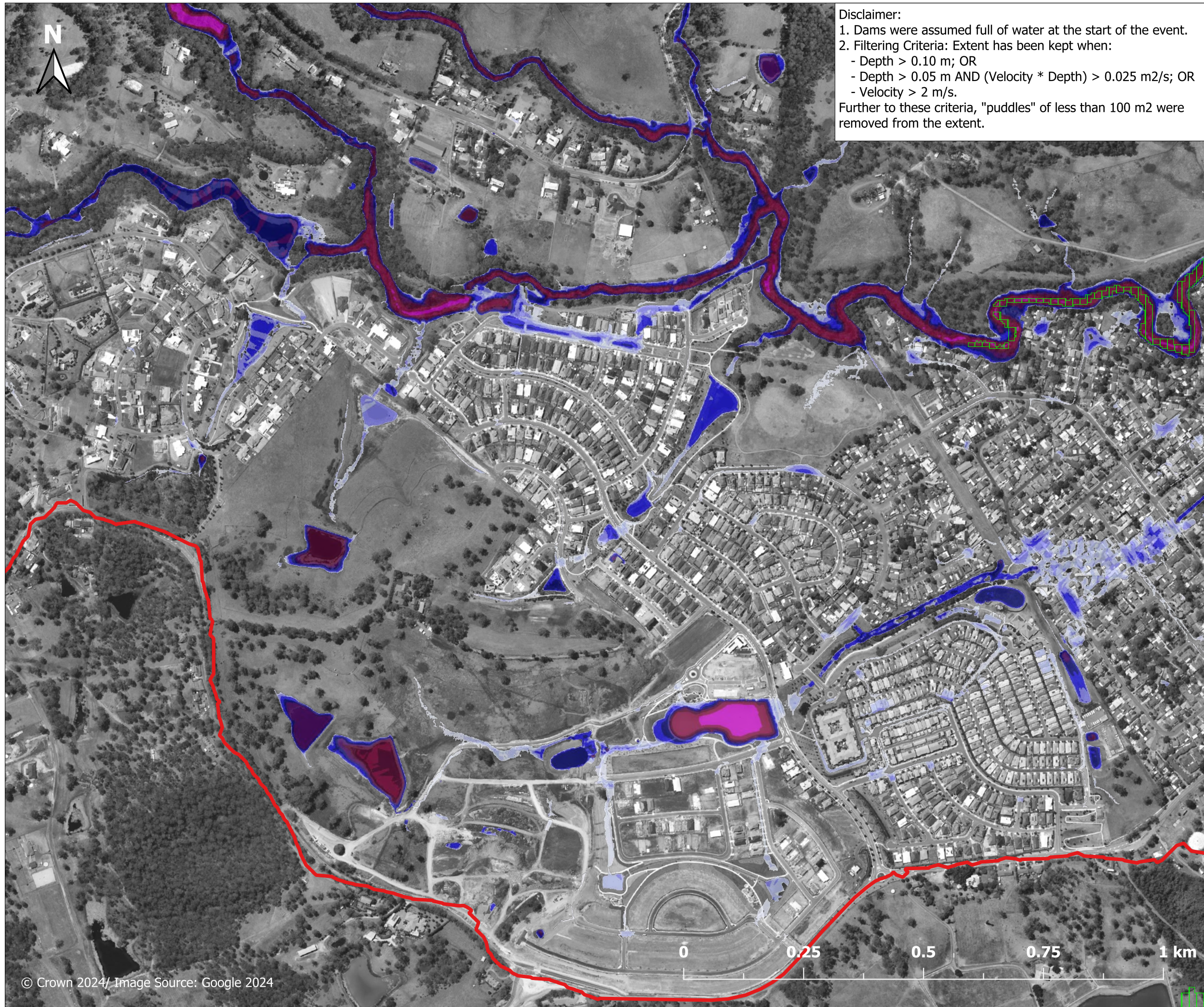Further to these criteria, "puddles" of less than 100 m2 were
removed from the extent.

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0   0.25   0.5   0.75   1 km

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Figure E.2.5.3

**Peak flood depth
1% AEP event
West of North
Richmond**

Legend

- Study area
- Riverine extent (HNRFS, 2024)

Depth (m)

- <= 0.05
- 0.05-0.15
- 0.15-0.30
- 0.30-0.50
- 0.50-1.00
- 1.00-1.50
- 1.50-2.00
- 2.00-3.00
- 3.00-5.00
- >5.00

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0   0.25   0.5   0.75   1 km