

1

# **SGID Flood Study Supplementary Mapping**

Velocity Vectors

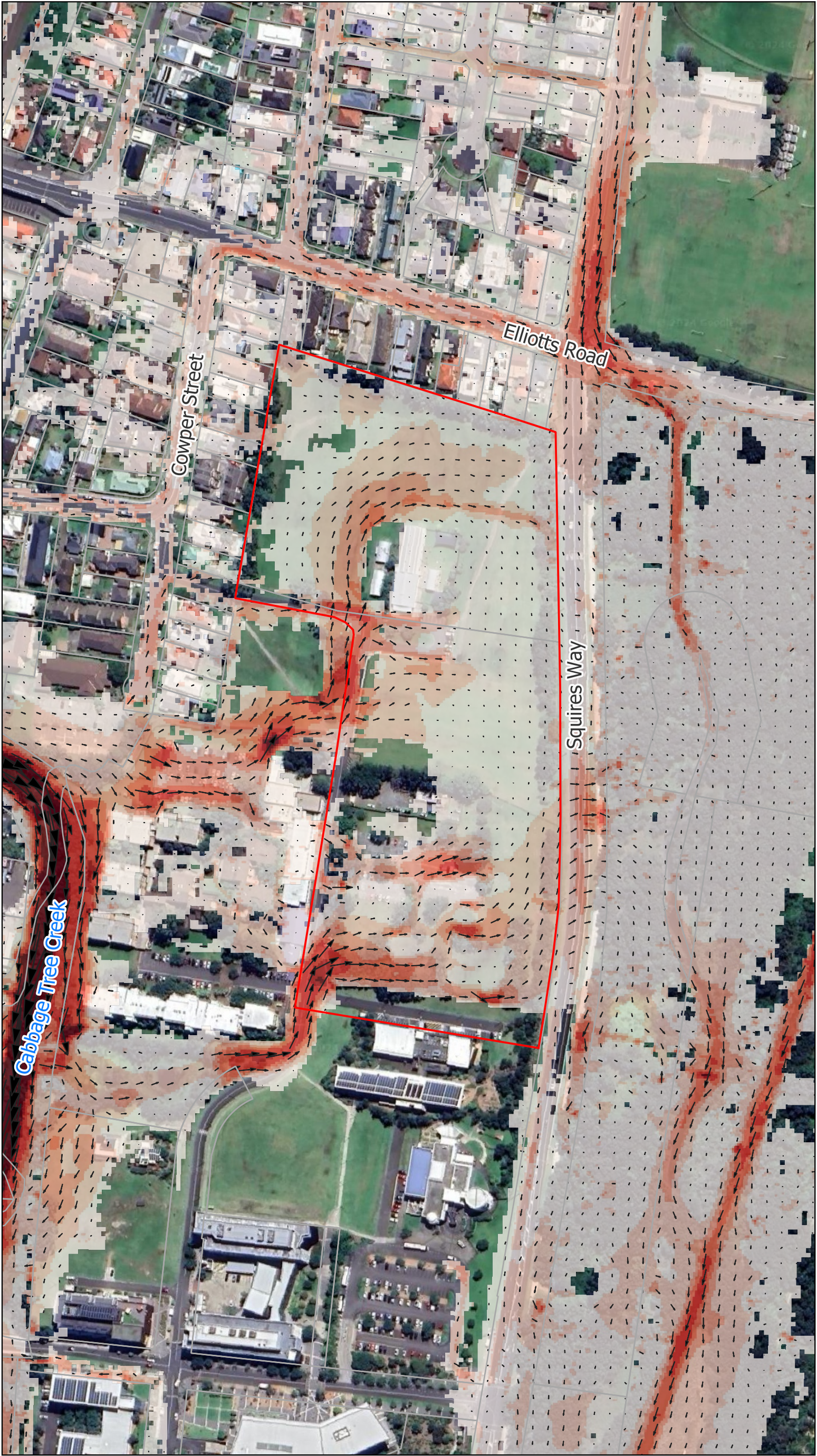


Legend

- Site Boundary
- Cadaster
- Peak Flood Velocity (m/s)  
Band 1
  - <= 0.25
  - 0.25 - 0.5
  - 0.5 - 0.75
  - 0.75 - 1
  - 1 - 1.5
  - 1.5 - 1.75
  - > 1.75

Notes:

- \* For Information Only
- \* Hyrology ARR1987
- \* Hdraulics TUFLOW Classic Version 2018-03-AD



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26/2/2024 GDA94 / MGA zone 56

Figure Sup-1: 1% AEP Peak Flood Level Velocity and Velocity Vectors - Existing Condition - Zero Blockage



0 100 200 m  
A3 Scale: 1:2,600

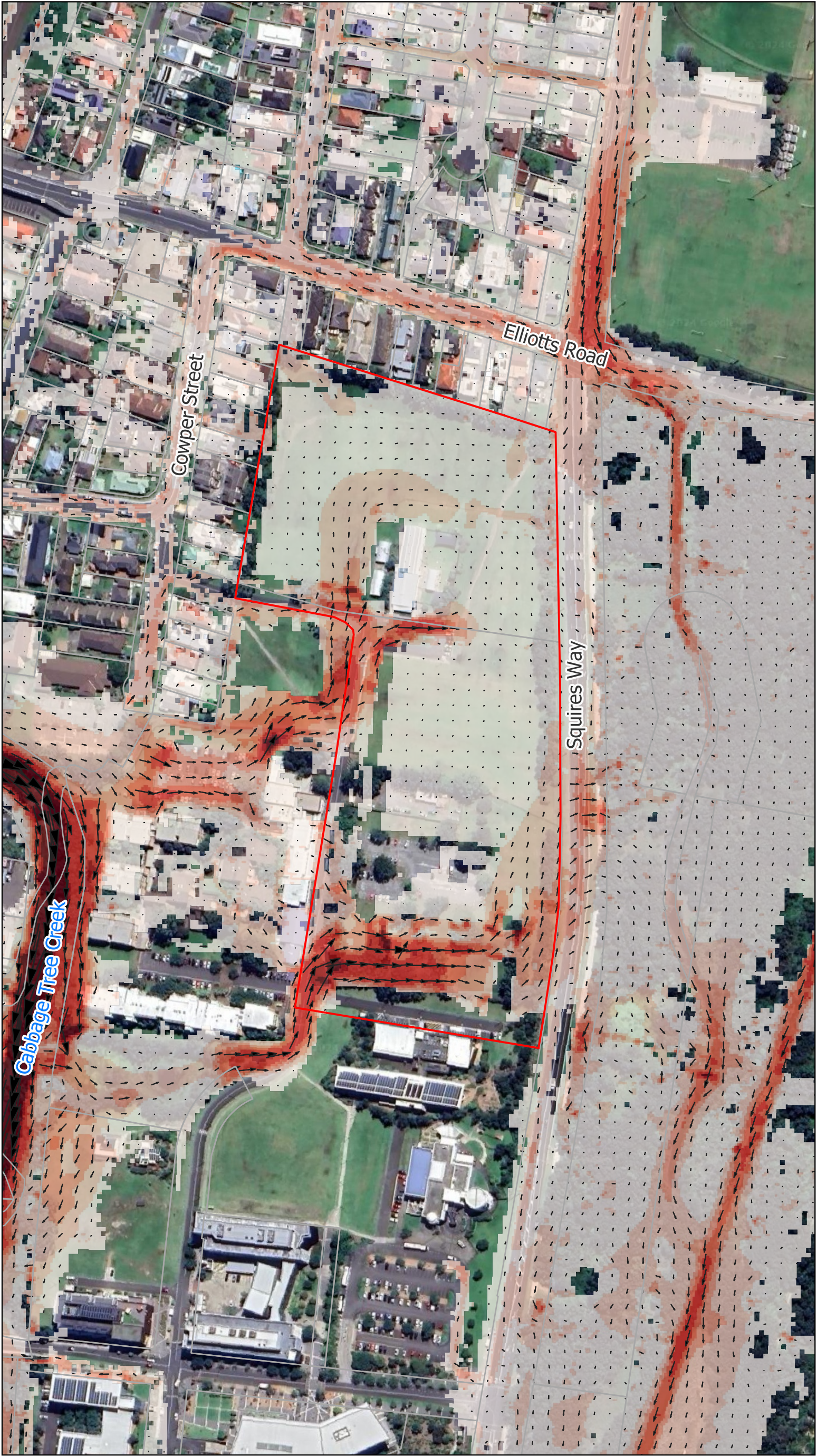


Legend

- Site Boundary
- Cadaster
- Peak Flood Velocity (m/s)  
Band 1
  - <= 0.25
  - 0.25 - 0.5
  - 0.5 - 0.75
  - 0.75 - 1
  - 1 - 1.5
  - 1.5 - 1.75
  - > 1.75

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Figure Sup-2: 1% AEP Peak Flood Level Velocity and Velocity Vectors - Developed Condition - Zero Blockage





2

Flood Risk Precincts



Legend

- Site Boundary
- Cadaster
- Flood Risk Precincts Categories Band 1 (Gray)
- High Flood Risk Precinct
- Medium Flood Risk Precinct
- Low Flood Risk Precinct

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Figure Sup-3: Flood Risk Precincts - Existing Condition - Zero Blockage



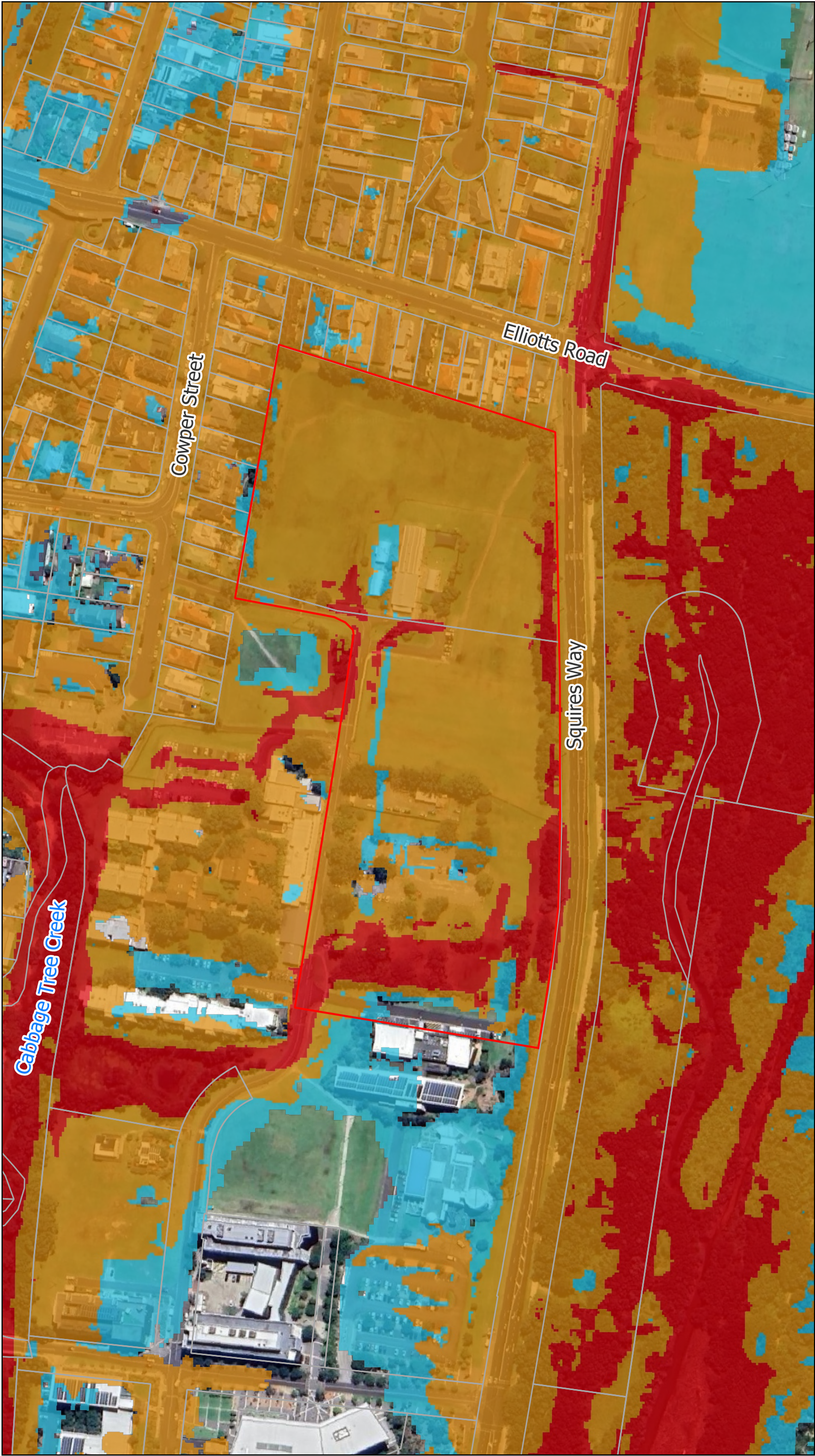


Legend

- Site Boundary
- Cadaster
- Flood Risk Precincts Categories Band 1 (Gray)
- High Flood Risk Precinct
- Medium Flood Risk Precinct
- Low Flood Risk Precinct

Notes:

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Figure Sup-4: Flood Risk Precincts - Developed Condition - Zero Blockage





3

Afflux - larger extents





Legend

- Proposed Development
- Site Boundary
- Cadaster
- Peak Flood Level Impact (m)  
Band 1
  - Area no longer inundated
  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

Notes:

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Classic Version 2018-03-AD







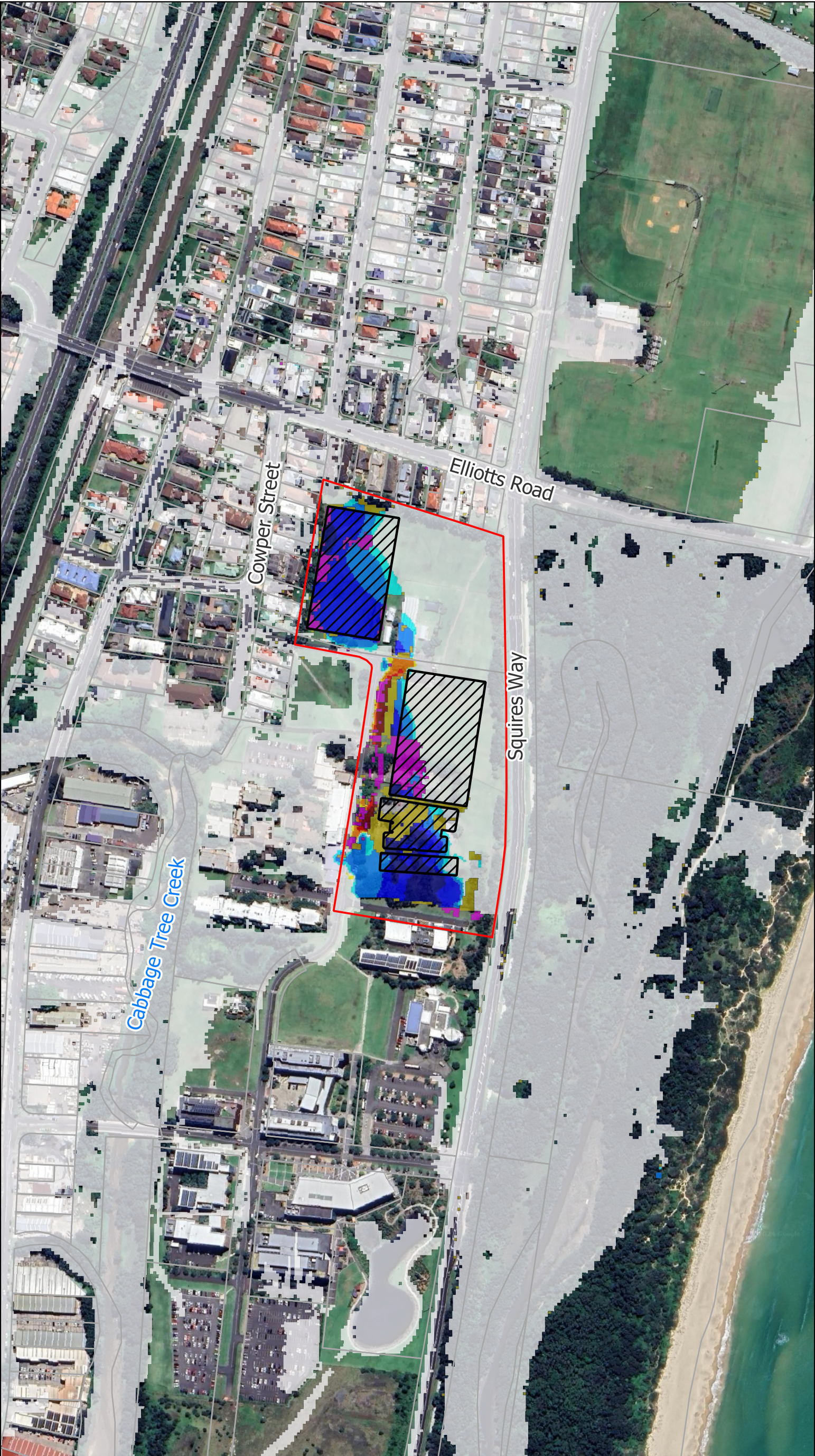
Legend

- Proposed Development
- Site Boundary
- Cadaster
- Peak Flood Level Impact (m)  
Band 1
  - Area no longer inundated
  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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Legend

- Proposed Development
- Site Boundary
- Cadaster
- Peak Flood Level Impact (m)  
Band 1
  - Area no longer inundated
  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

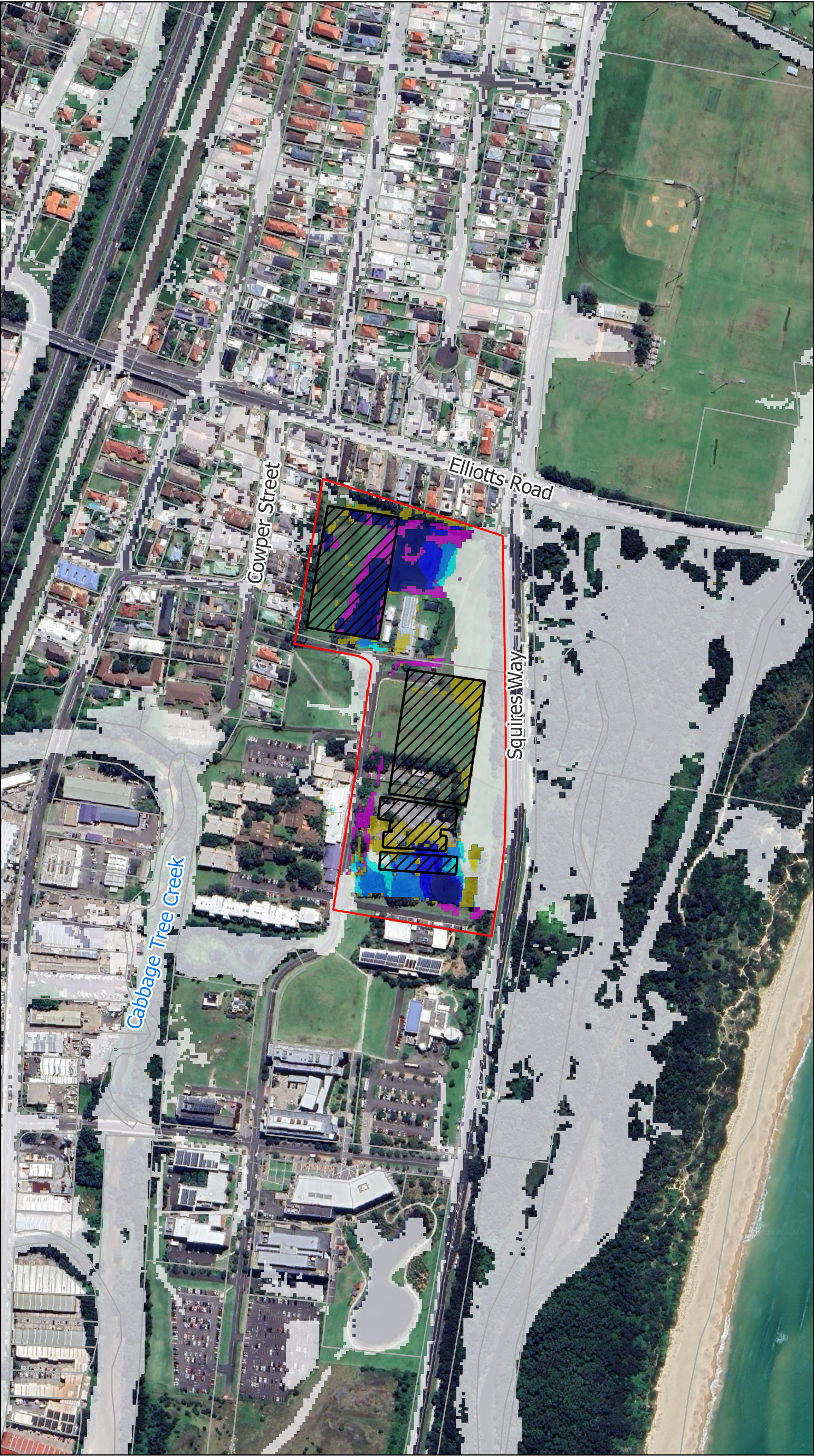
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Legend

- Proposed Development
- Site Boundary
- Cadaster
- Peak Flood Level Impact (m)  
Band 1
  - Area no longer inundated
  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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Legend

- Proposed Development
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- Peak Flood Level Impact (m)  
Band 1
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  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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Legend

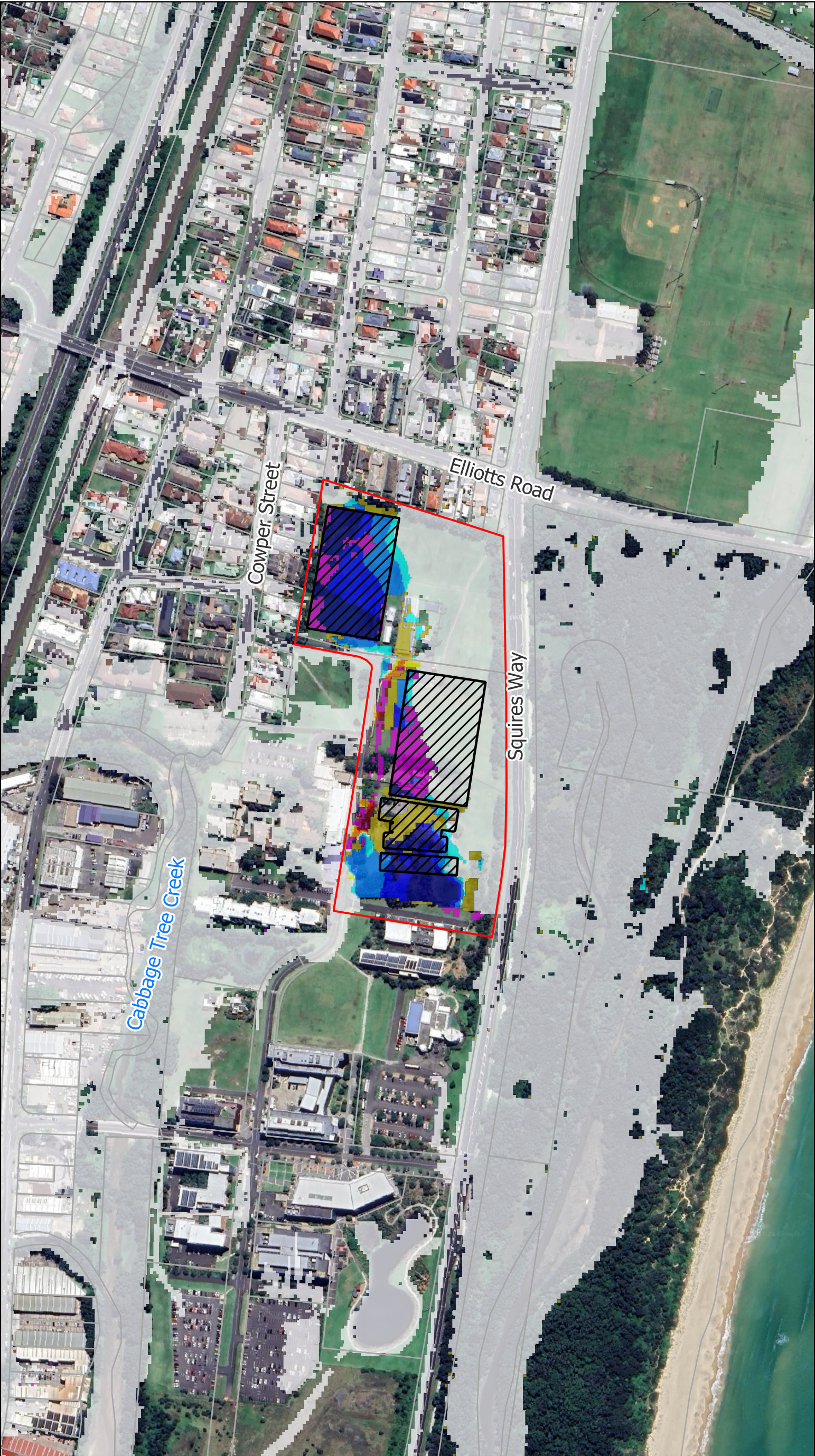
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- Cadaster
- Peak Flood Level Impact (m)  
Band 1
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  - Less than -0.25
  - 0.25 to -0.15
  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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Legend

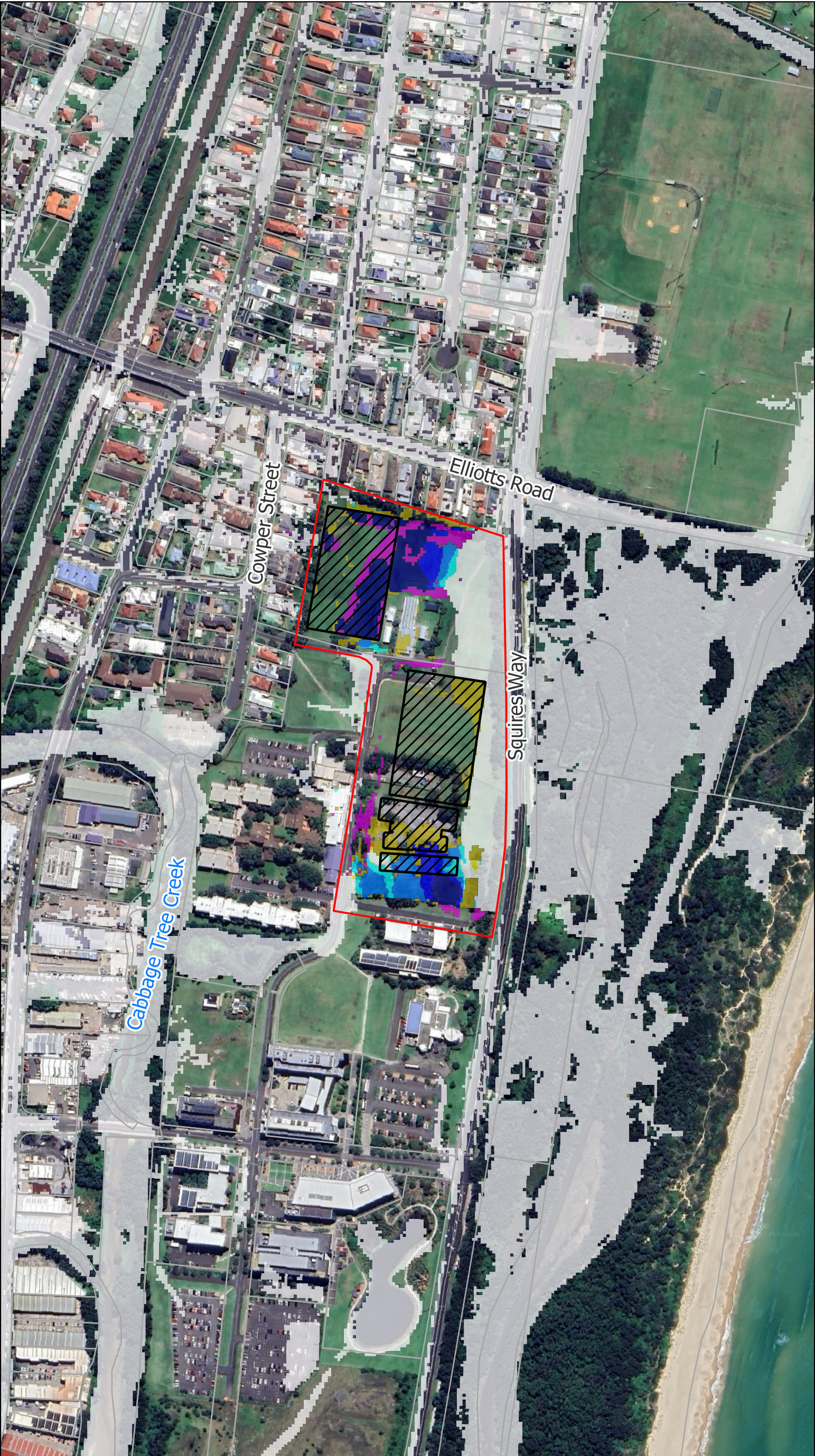
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  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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Legend

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  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
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  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

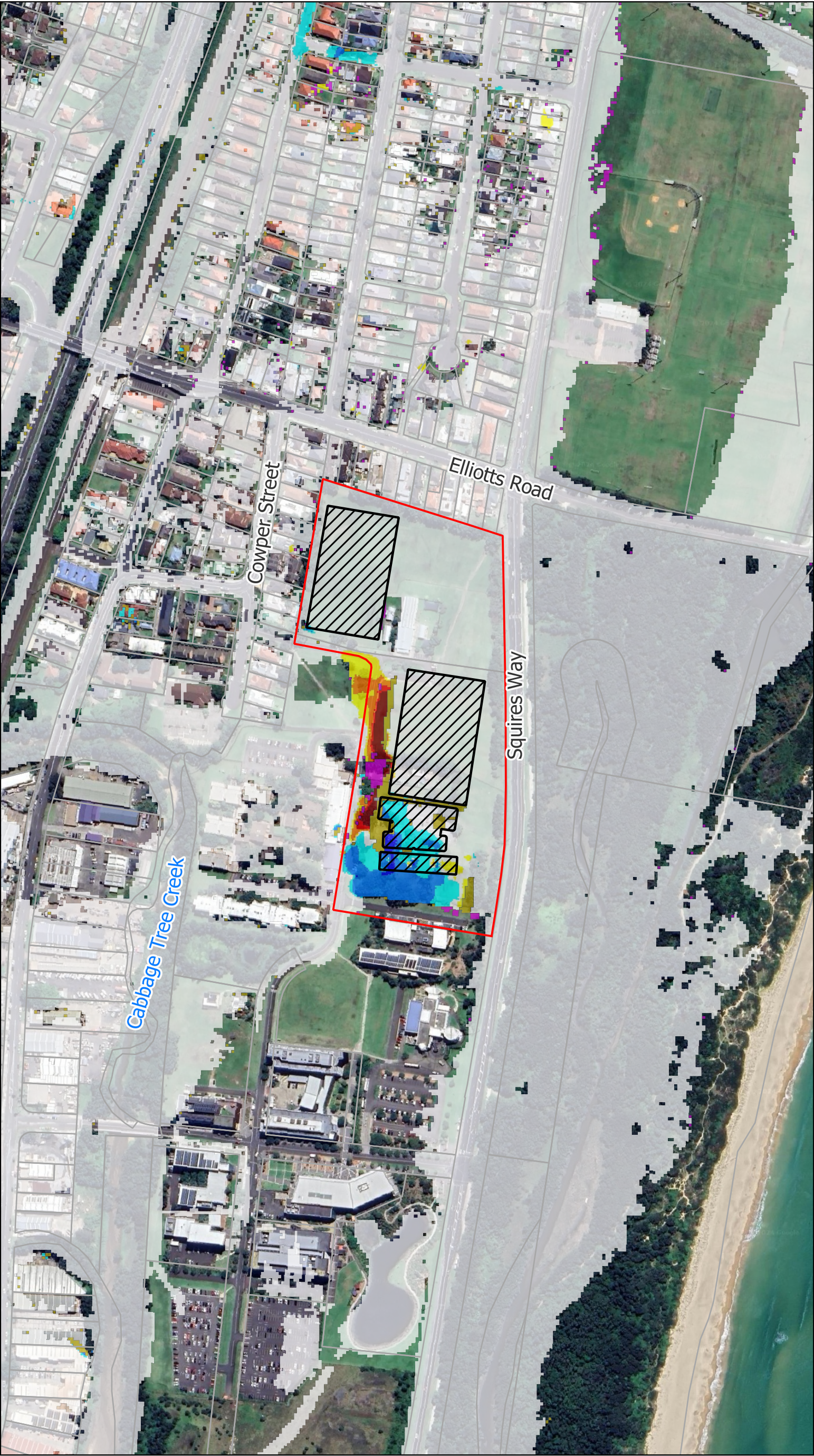
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Legend

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Band 1
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  - Less than -0.25
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  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

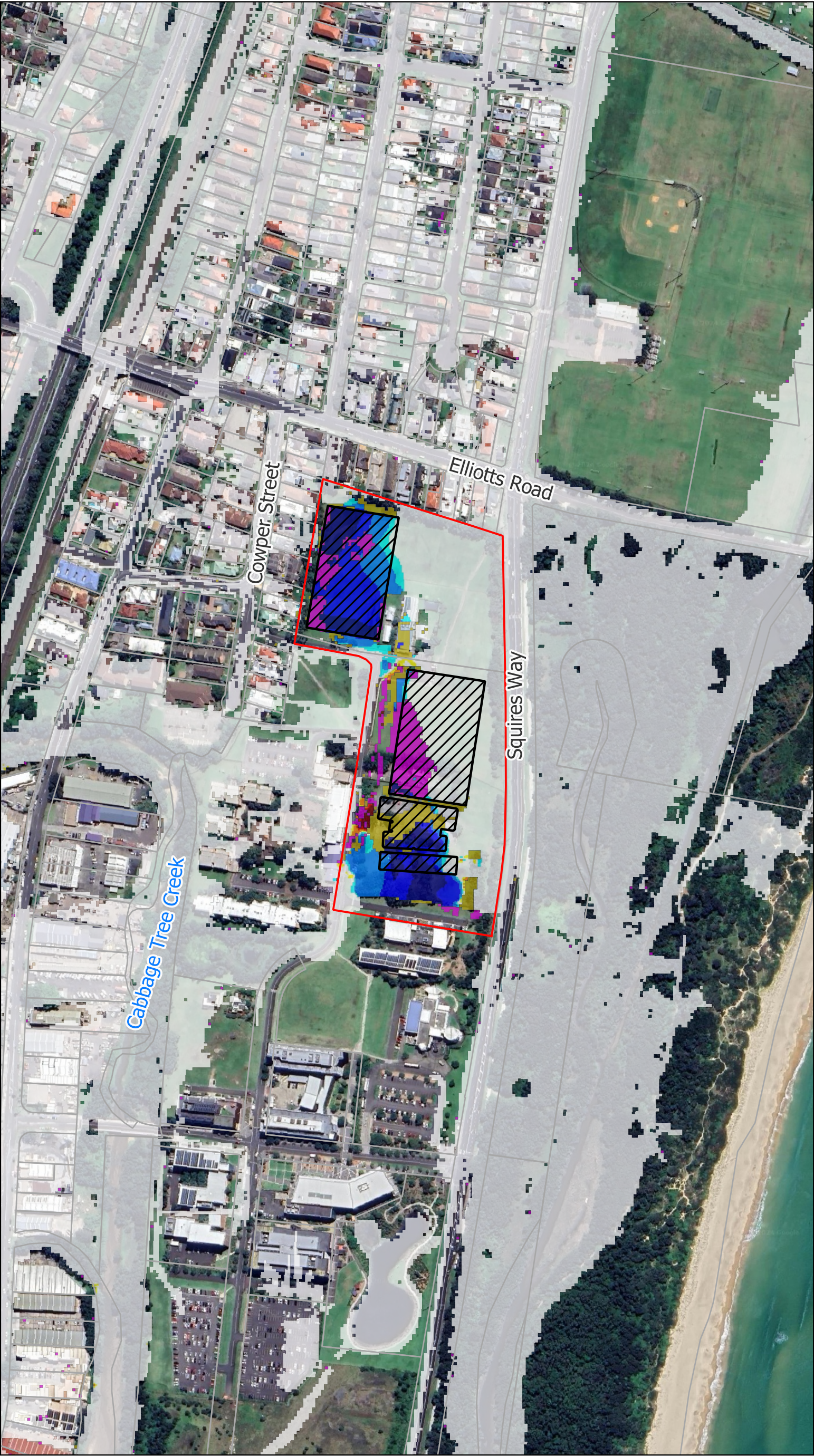
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  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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  - 0.15 to -0.05
  - 0.05 to -0.02
  - 0.02 to 0.02
  - 0.02 to 0.05
  - 0.05 to 0.15
  - 0.15 to 0.25
  - Greater than 0.25
  - New area of inundation

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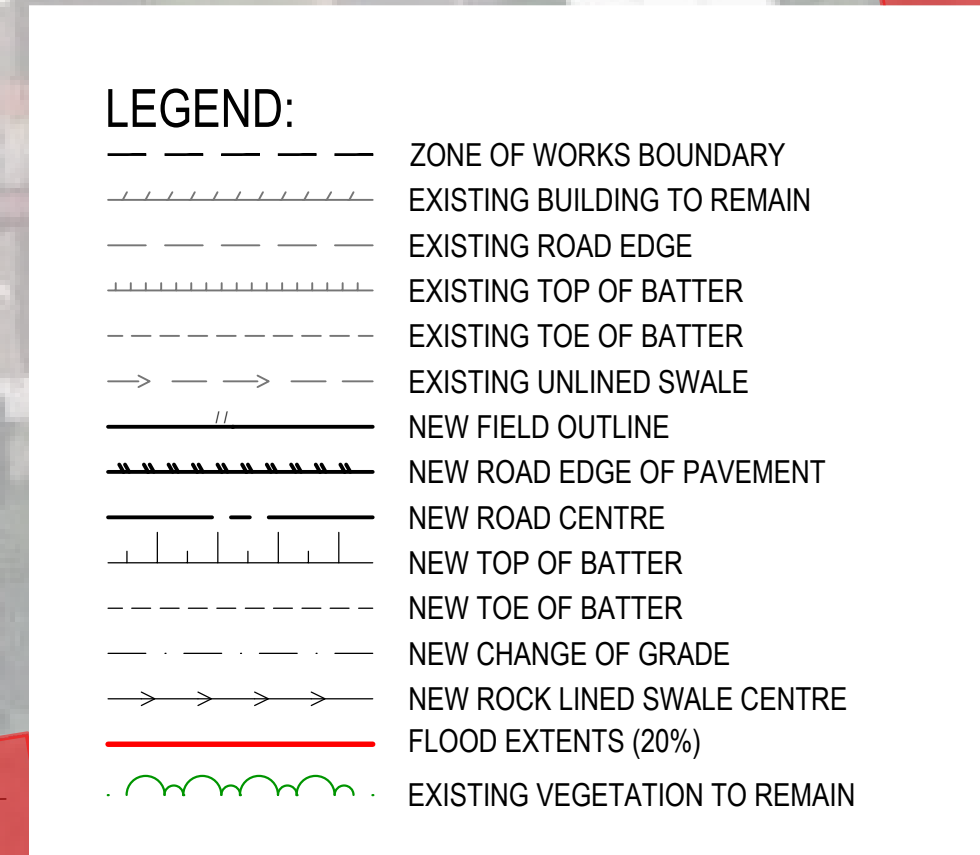




4

Civil Works – Bulk  
Earthworks with existing  
flood extent overlay





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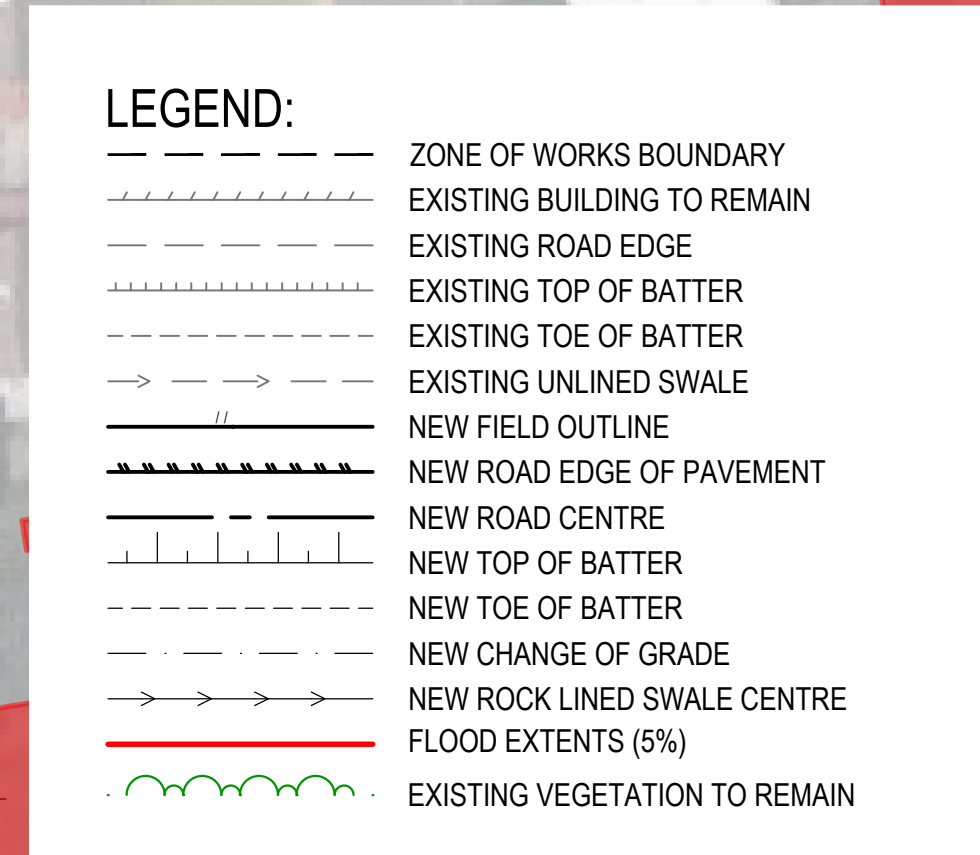
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









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DD	520547-SGID-CI-01520	2





CUT & FILL LEGEND			
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CUT		0.00 - 0.25	0.00 - 0.25
		0.25 - 0.50	0.25 - 0.50
		0.50 - 0.75	0.50 - 0.75
		0.75 - 1.00	0.75 - 1.00
		1.00 - 1.25	1.00 - 1.25
		1.25 +	1.25 +
FILL		0.00 - 0.25	0.00 - 0.25
		0.25 - 0.50	0.25 - 0.50
		0.50 - 0.75	0.50 - 0.75
		0.75 - 1.00	0.75 - 1.00
		1.00 - 1.25	1.00 - 1.25
		1.25 +	1.25 +

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PROJECT MANAGER



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# ARCADIA

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STRUCTURAL, CIVIL AND SERVICES ENGINEER



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PROJECT  
ST. GEORGE ILLAWARRA DRAGONS  
COMMUNITY & HIGH PERFORMANCE  
TRAINING CENTRE

SHEET TITLE

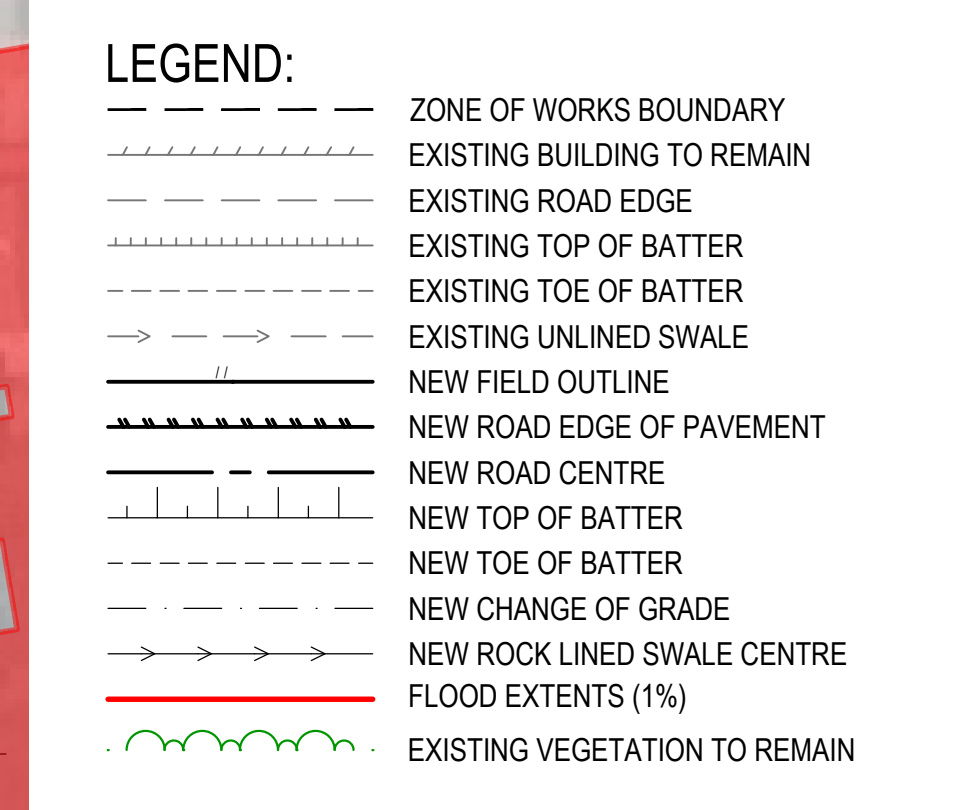
CIVIL WORKS  
BULK EARTHWORKS  
FLOOD EXTENTS (5% MAPPING)

PROJECT NUMBER 520547		DESIGNED S.PALMER
CHECKED G.CHRISTIE		APPROVED E.SELL
SCALE 100% @ A1 1:750		NORTH POINT W 00.00 DEG
PHASE DD	DRAWING NUMBER 520547-SGID-CI-01510	REVISION 2

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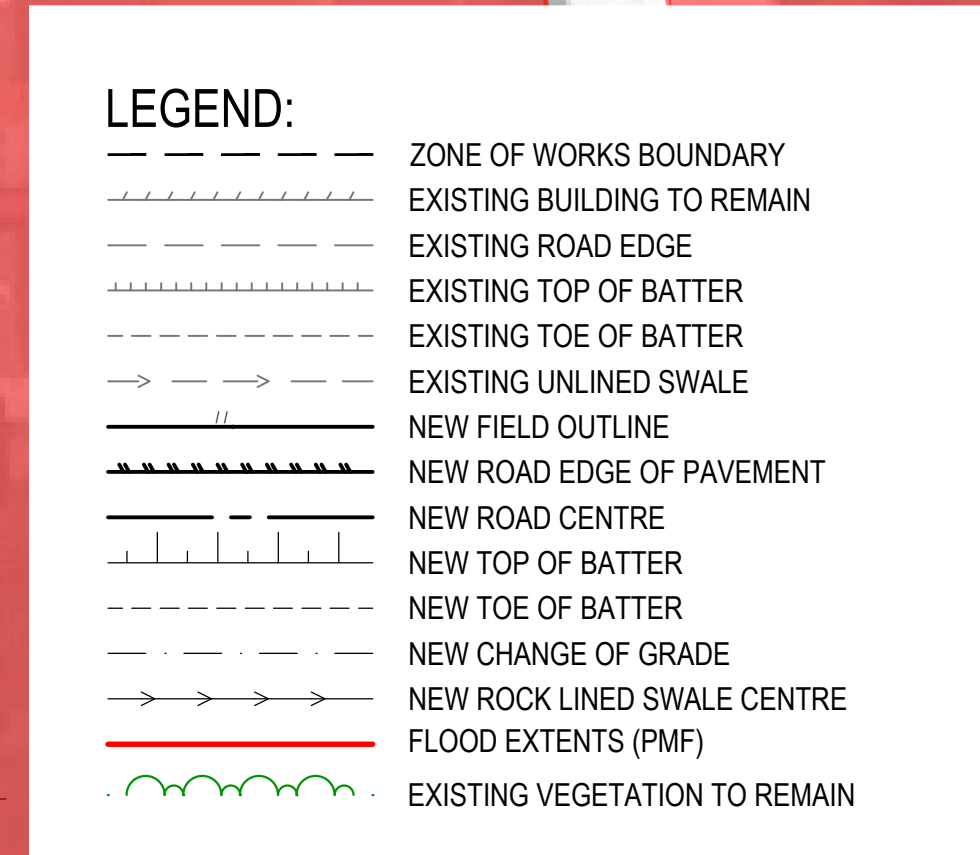
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