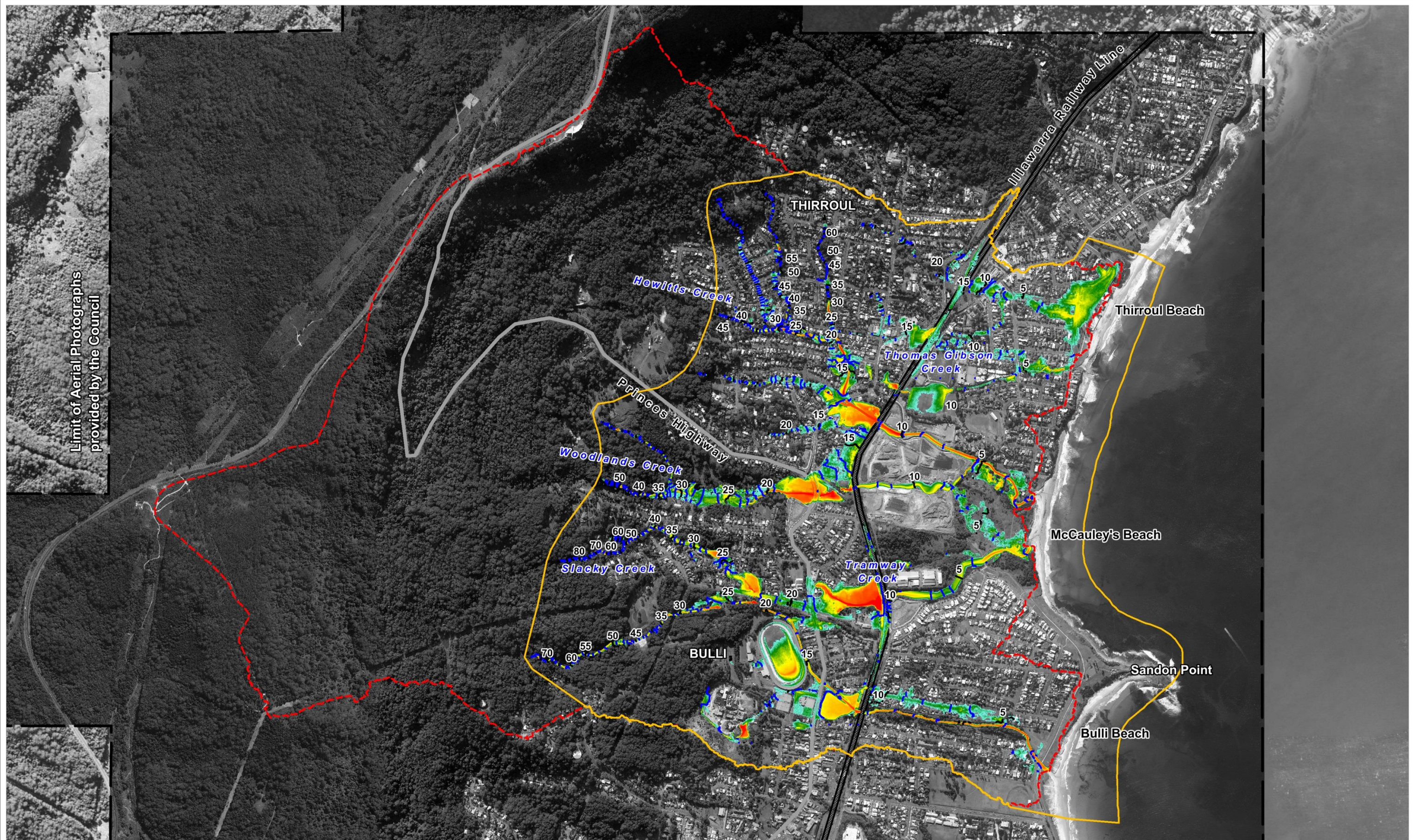


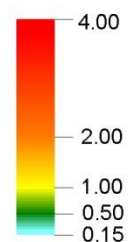
APPENDIX D: FLOOD MAPPING



LEGEND

- TUFLOW Model Boundary
- Catchment Boundary

Peak Flood Depth (m)



- 5m Water Level Contour (m AHD)
Water Level (m AHD)
- 1m water Level Contour (m AHD)

Title:

**Review of Hewitts Creek Flood Study
Maximum Flood Depths and Water Levels: 20% AEP Event**

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.

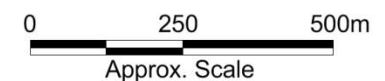


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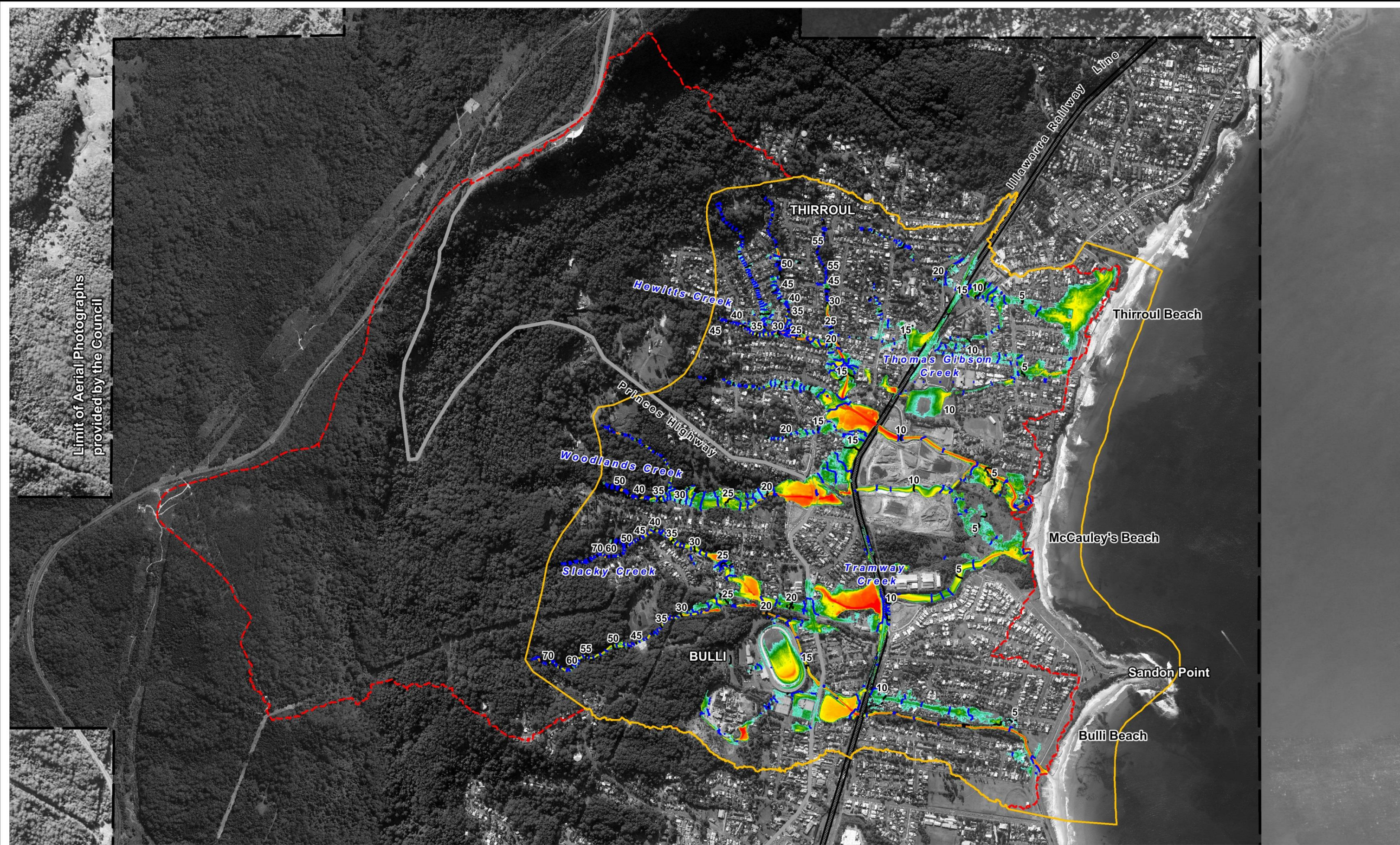
D-1

Rev:



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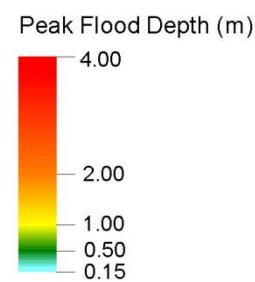





Filepath : S:\WATER\PROJECTS\1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\AppendixD\FigureD1_005YR_Depth_Level.wor



LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary



-  5m Water Level Contour (m AHD)
-  5 Water Level (m AHD)
-  1m water Level Contour (m AHD)

Title:

Review of Hewitts Creek Flood Study Maximum Flood Depths and Water Levels: 10% AEP Event

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.

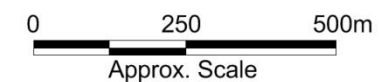


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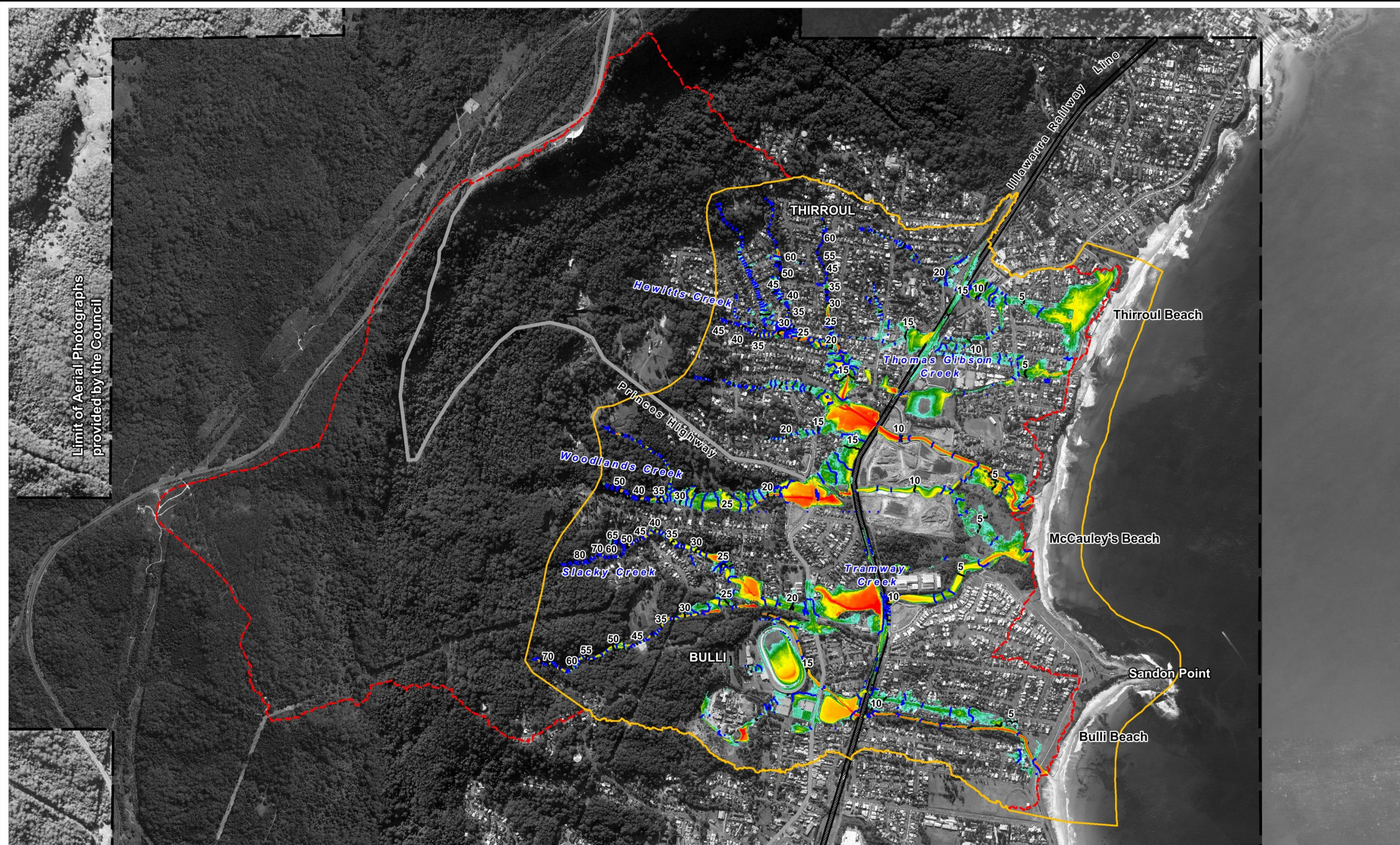
D-2

Rev:

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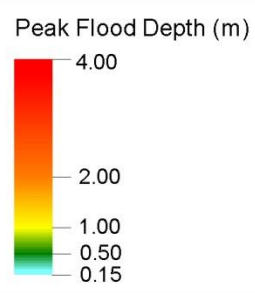
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LEGEND

TUFLOW Model Boundary

Catchment Boundary



5m Water Level Contour (m AHD)
Water Level (m AHD)

1m water Level Contour (m AHD)

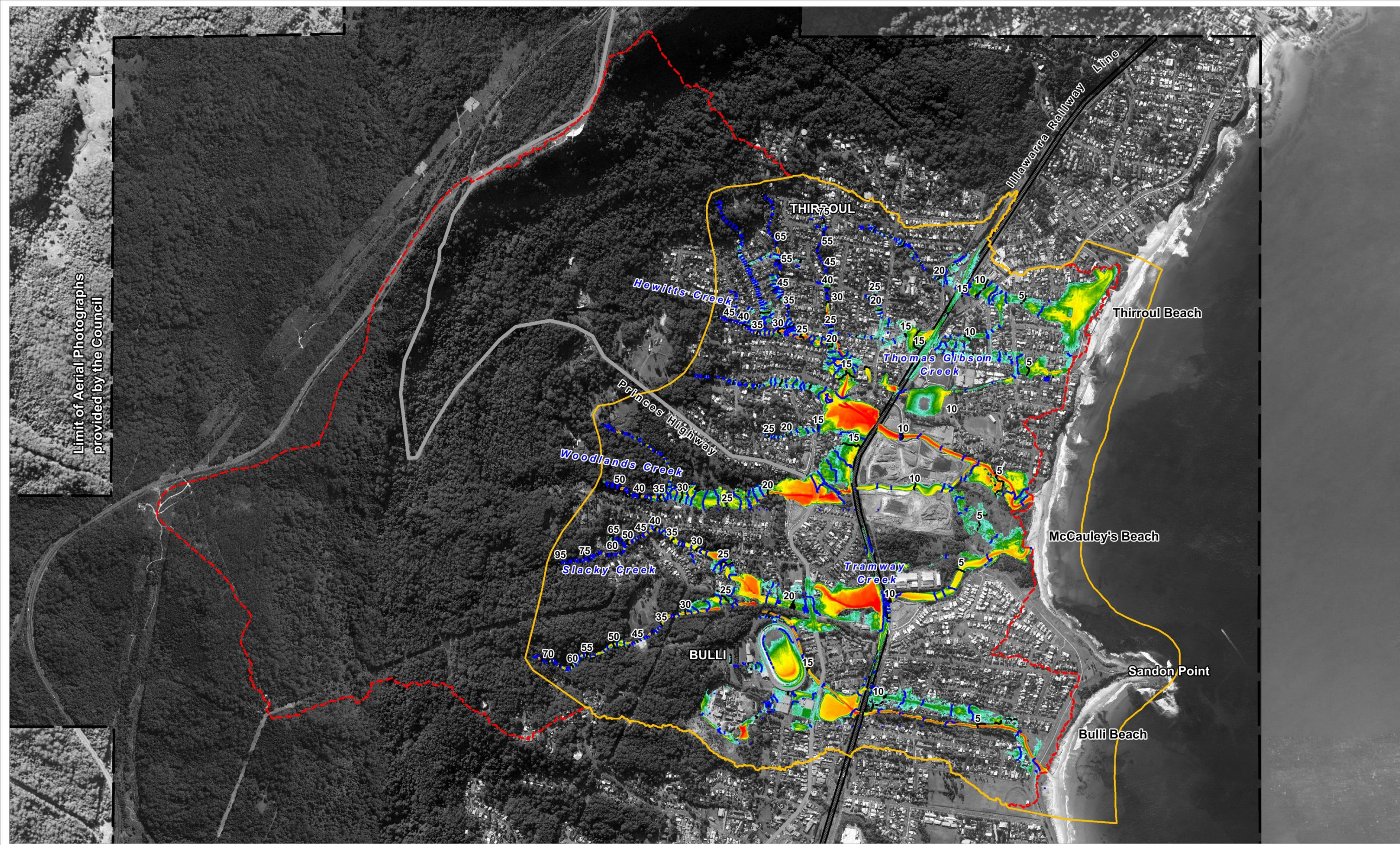
Title:
Review of Hewitts Creek Flood Study
Maximum Flood Depths and Water Levels: 5% AEP Event

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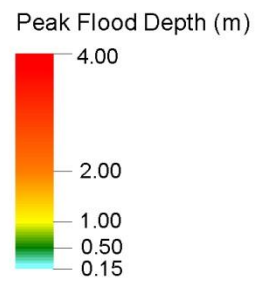
Figure: D-3	Rev: 1
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LEGEND

TUFLOW Model Boundary

Catchment Boundary



5m Water Level Contour (m AHD)

1m water Level Contour (m AHD)

Title:

Review of Hewitts Creek Flood Study

Maximum Flood Depths and Water Levels: 2% AEP Event

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.

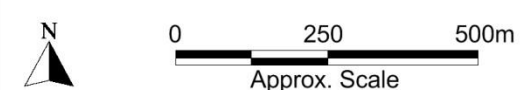
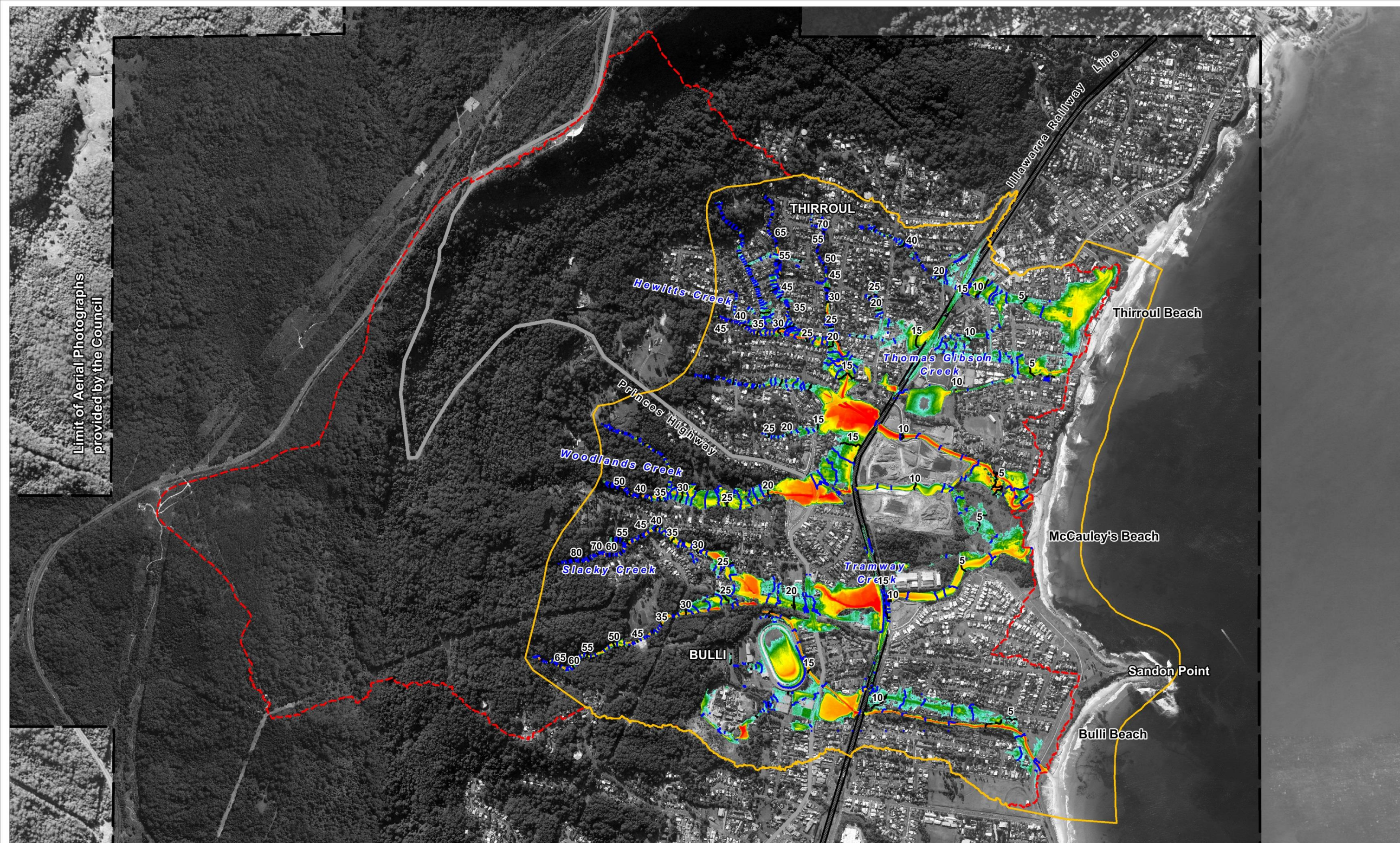


Figure: **D-4**

Rev: **1**



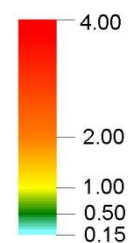
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LEGEND

- TUFLOW Model Boundary
- Catchment Boundary

Peak Flood Depth (m)



5m Water Level Contour (m AHD)
Water Level (m AHD)



1m water Level Contour (m AHD)

Title:

Review of Hewitts Creek Flood Study Maximum Flood Depths and Water Levels: 1% AEP Event

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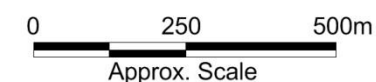


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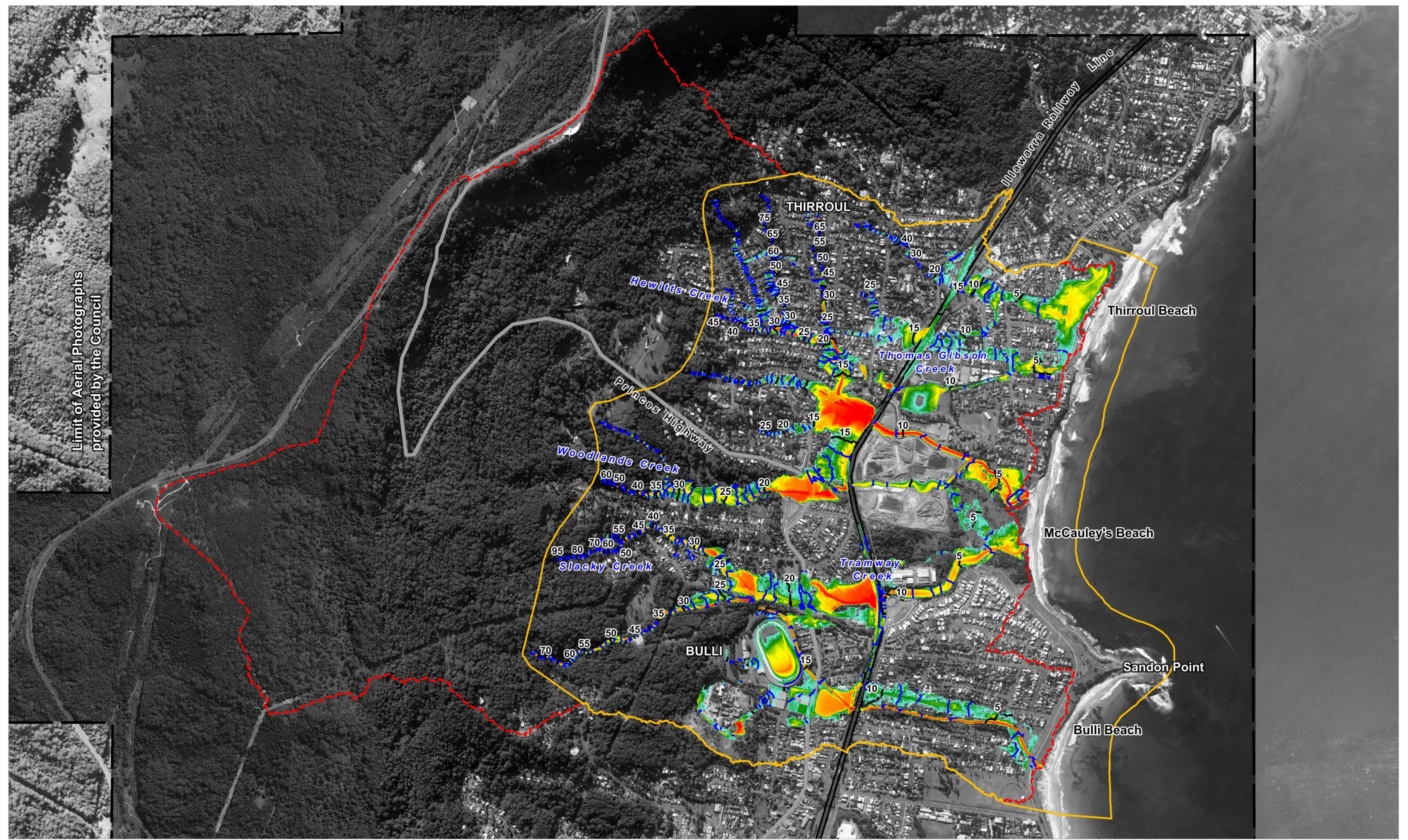
D-5

Rev:

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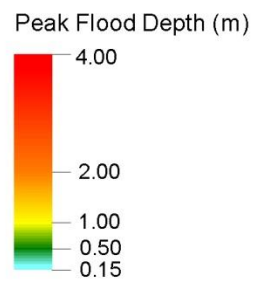


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- LEGEND**
- TUFLOW Model Boundary
 - Catchment Boundary



- 5m Water Level Contour (m AHD)
- 1m water Level Contour (m AHD)

Title:
Review of Hewitts Creek Flood Study
Maximum Flood Depths and Water Levels: 0.5% AEP Event

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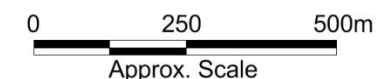
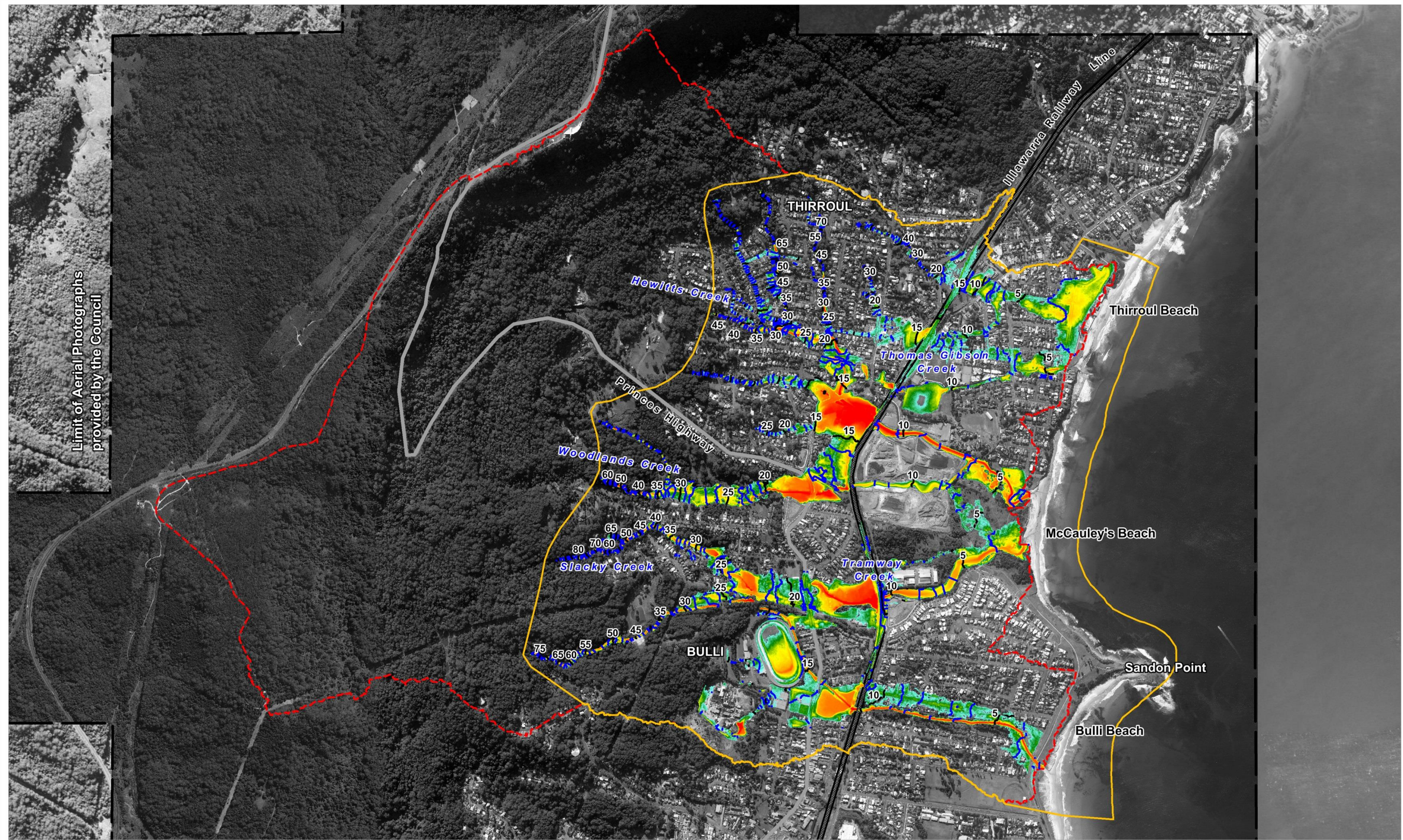


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Rev:
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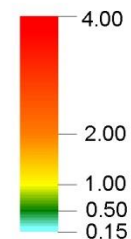
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LEGEND

- TUFLOW Model Boundary
- Catchment Boundary

Peak Flood Depth (m)



- 5m Water Level Contour (m AHD)
Water Level (m AHD)
- 1m water Level Contour (m AHD)

Title:

Review of Hewitts Creek Flood Study Maximum Flood Depths and Water Levels: 0.2% AEP Event

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.

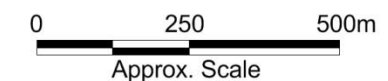


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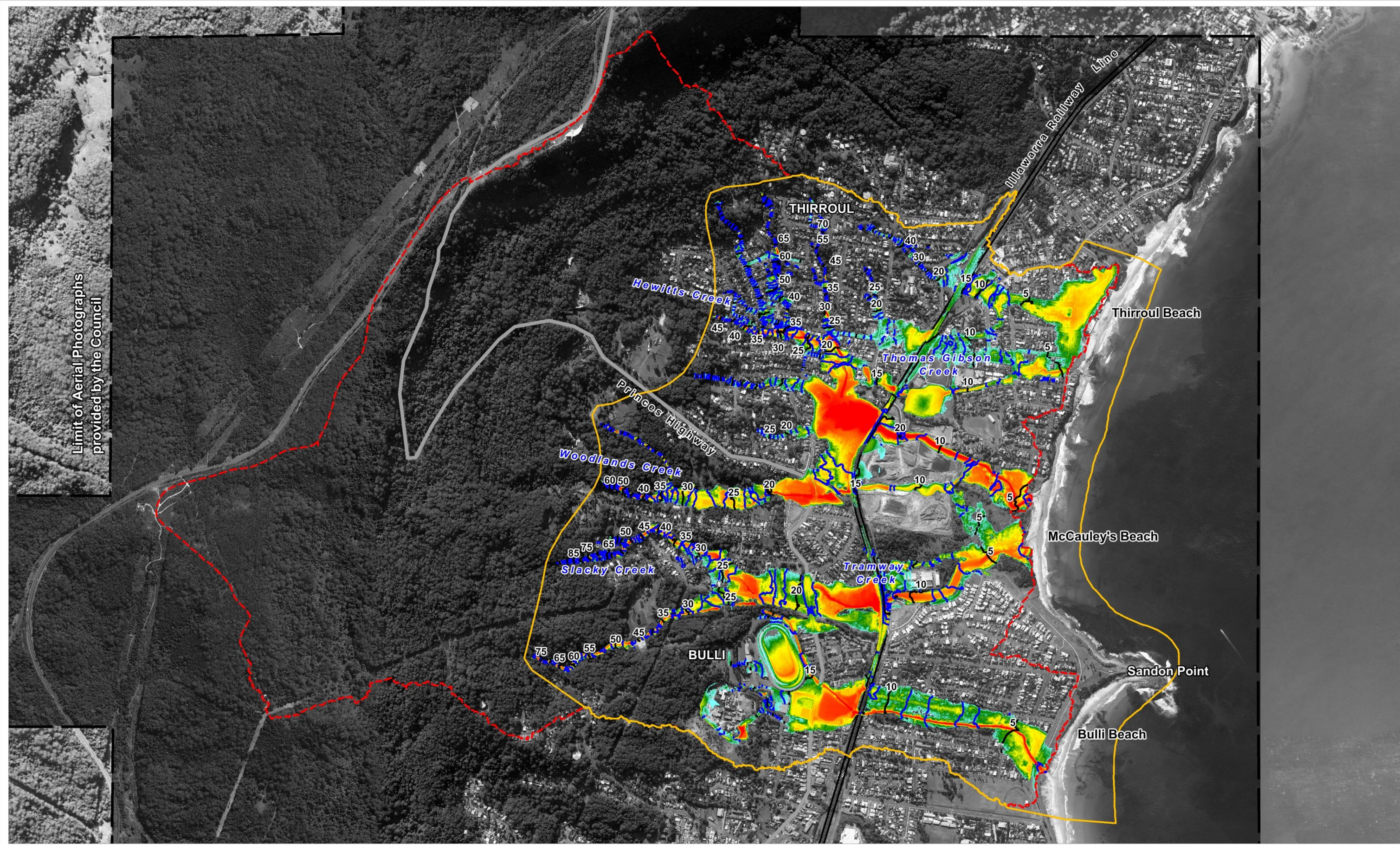
D-7

Rev:

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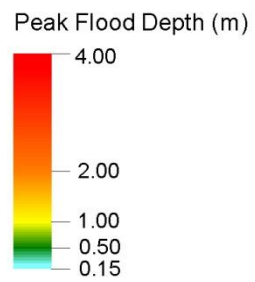
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LEGEND

TUFLOW Model Boundary

Catchment Boundary



5m Water Level Contour (m AHD)

1m water Level Contour (m AHD)

Title:

Review of Hewitts Creek Flood Study

Maximum Flood Depths and Water Levels: PMF

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Figure:

D-8

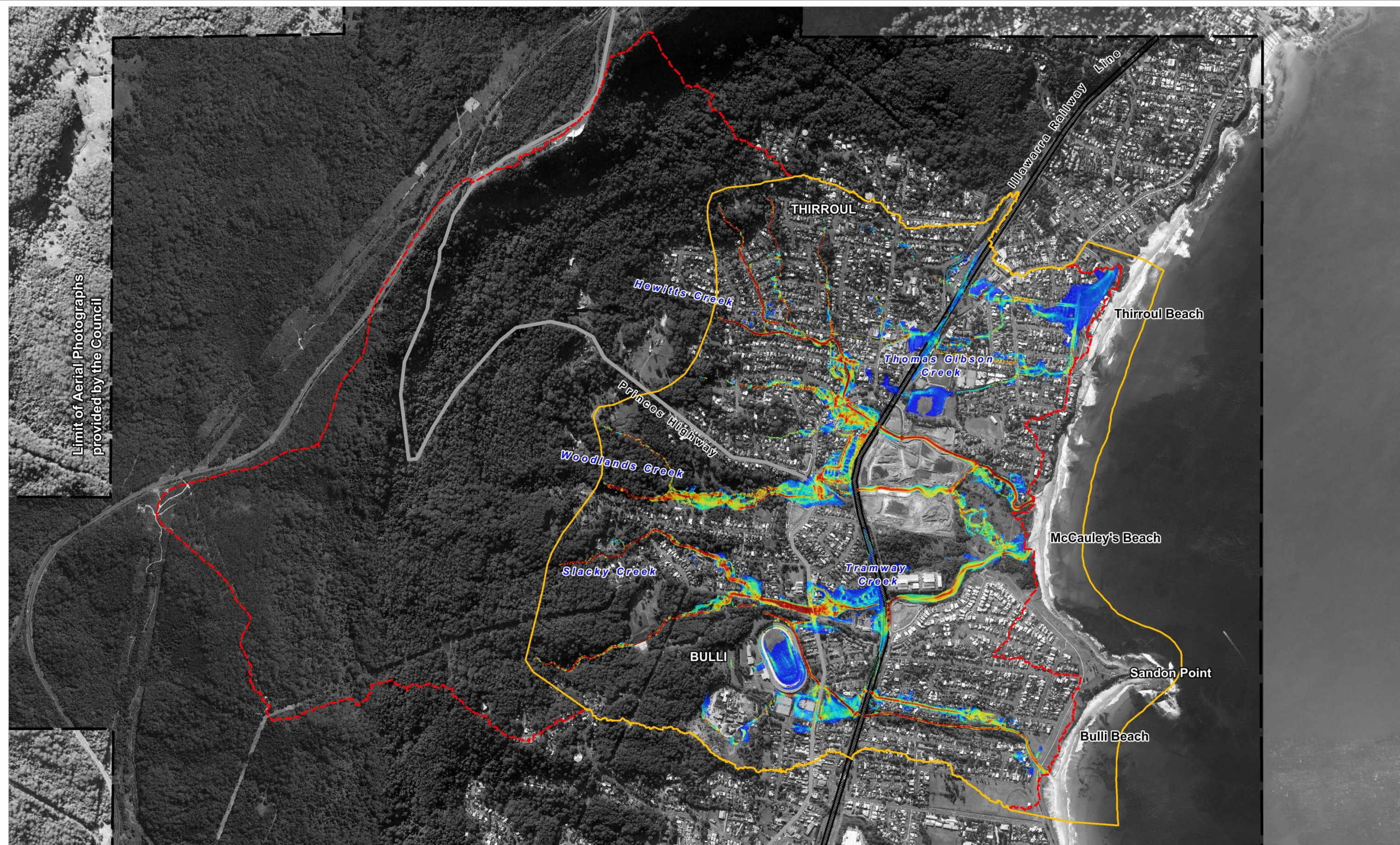
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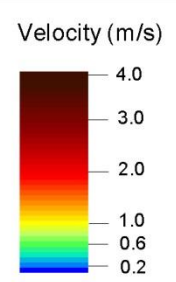
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LEGEND

TUFLOW Model Boundary

Catchment Boundary



Title:
**Review of Hewitts Creek Flood Study
Maximum Flood Velocities: 20% AEP Event**

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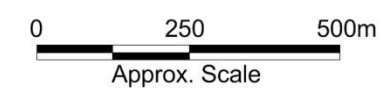
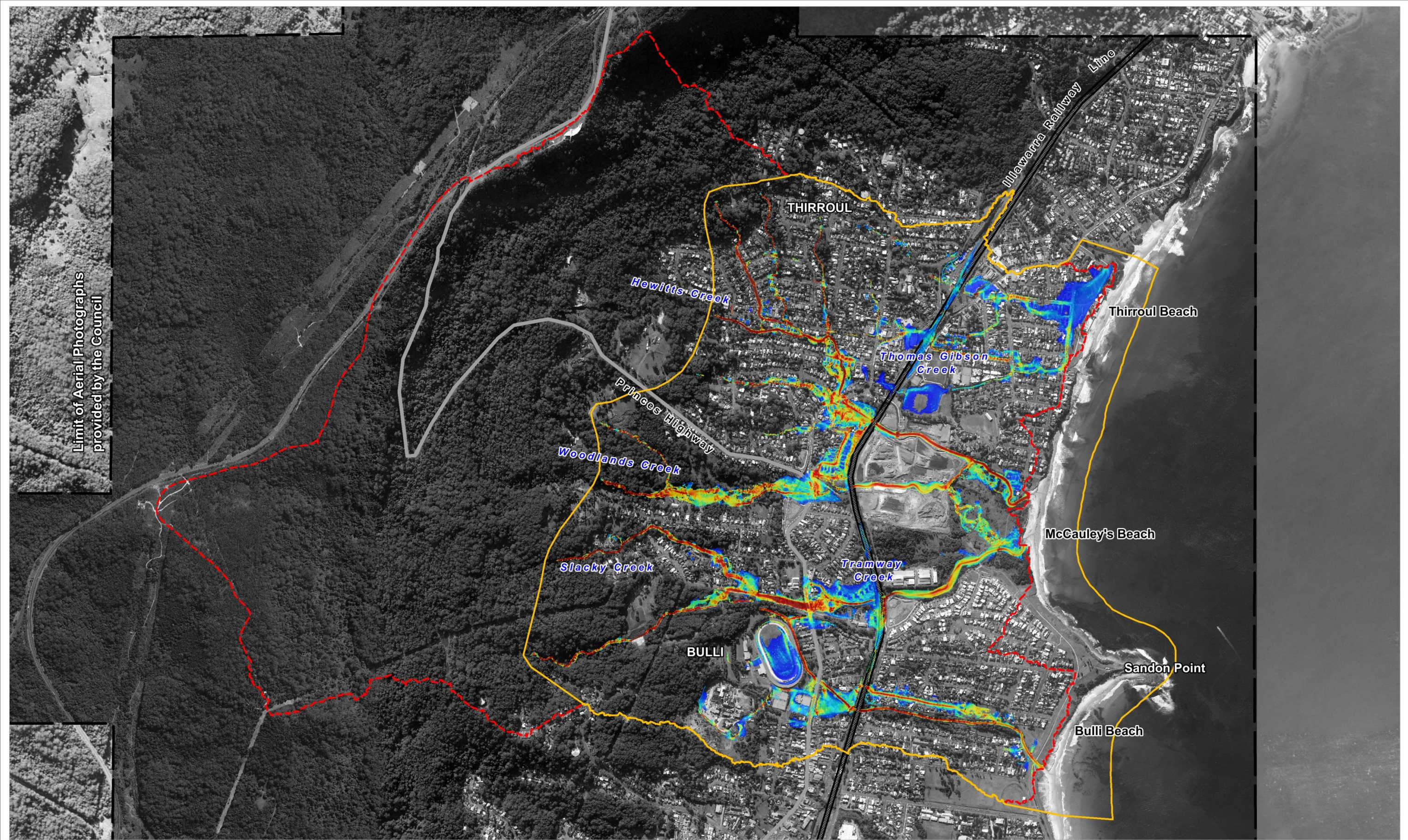


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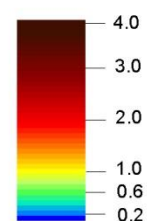
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LEGEND

- TUFLOW Model Boundary
- Catchment Boundary

Velocity (m/s)



Title:

Review of Hewitts Creek Flood Study Maximum Flood Velocities: 10% AEP Event

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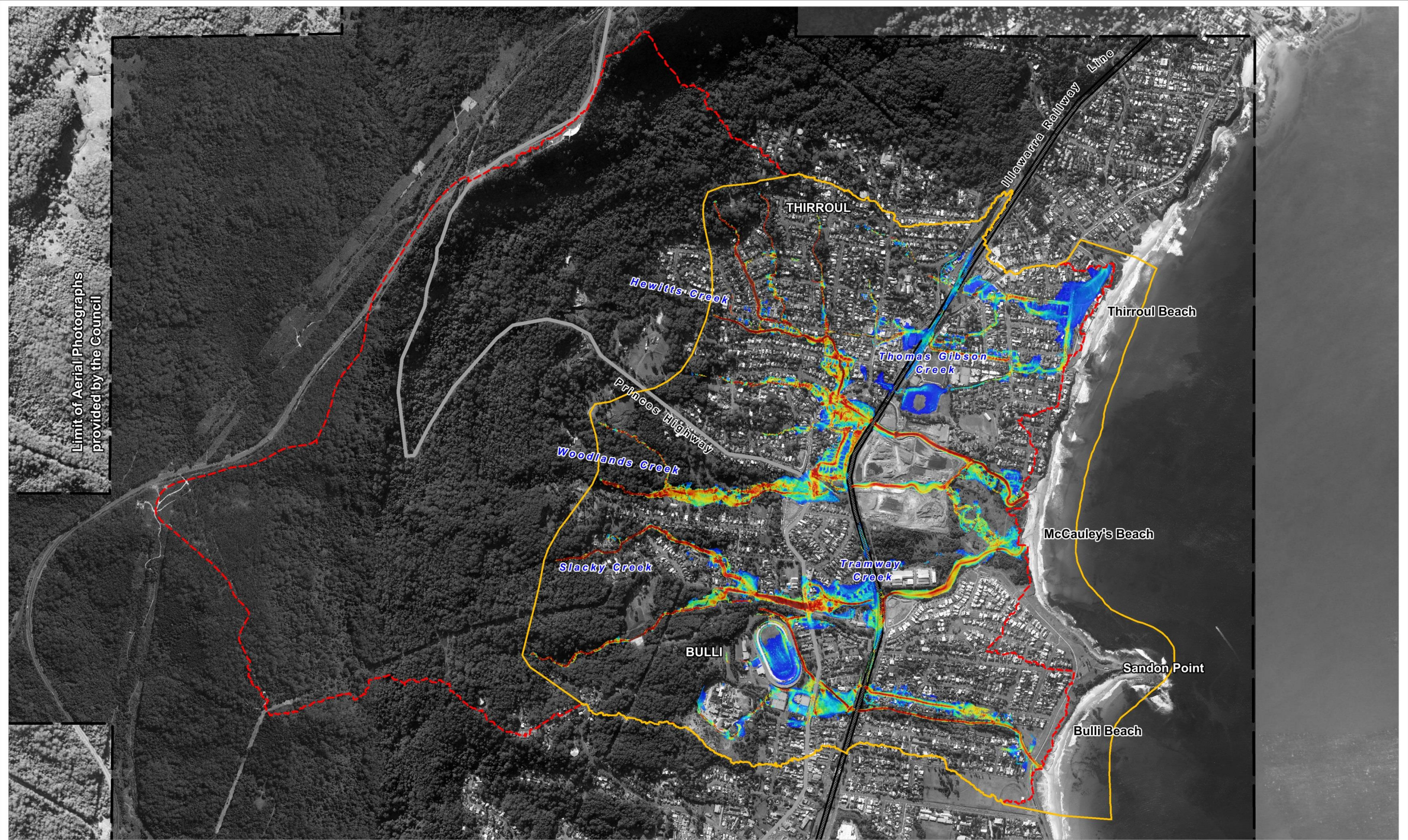
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Figure:
D-10

Rev:
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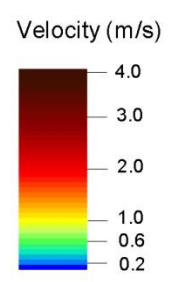


Limit of Aerial Photographs
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LEGEND

 TUFLOW Model Boundary

 Catchment Boundary



Title:
Review of Hewitts Creek Flood Study
Maximum Flood Velocities: 5% AEP Event

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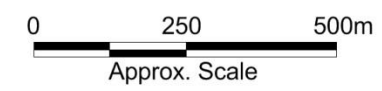
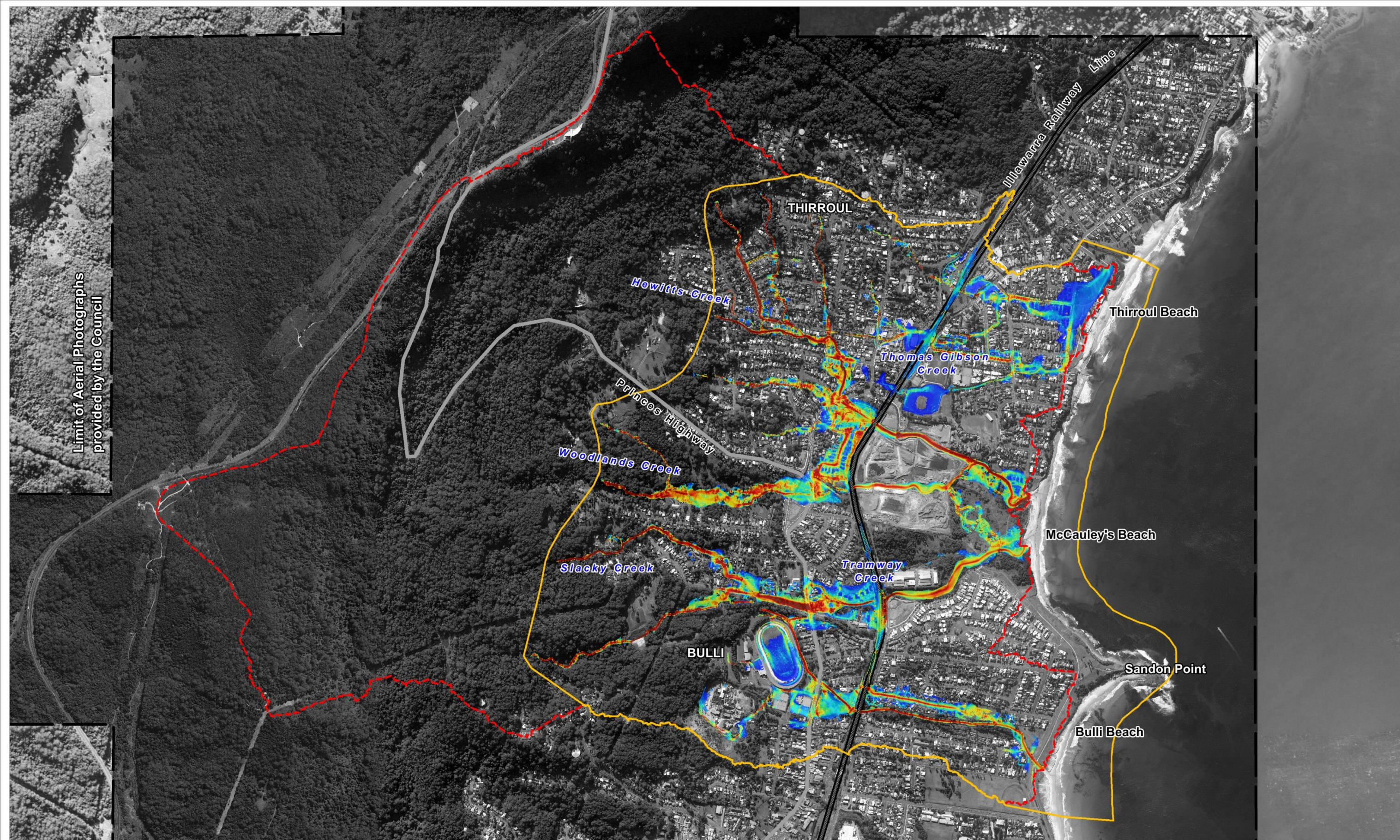


Figure:
D-11



Rev:
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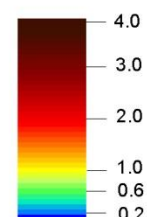
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LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Velocity (m/s)



Title:

**Review of Hewitts Creek Flood Study
Maximum Flood Velocities: 2% AEP Event**

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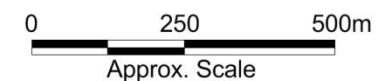
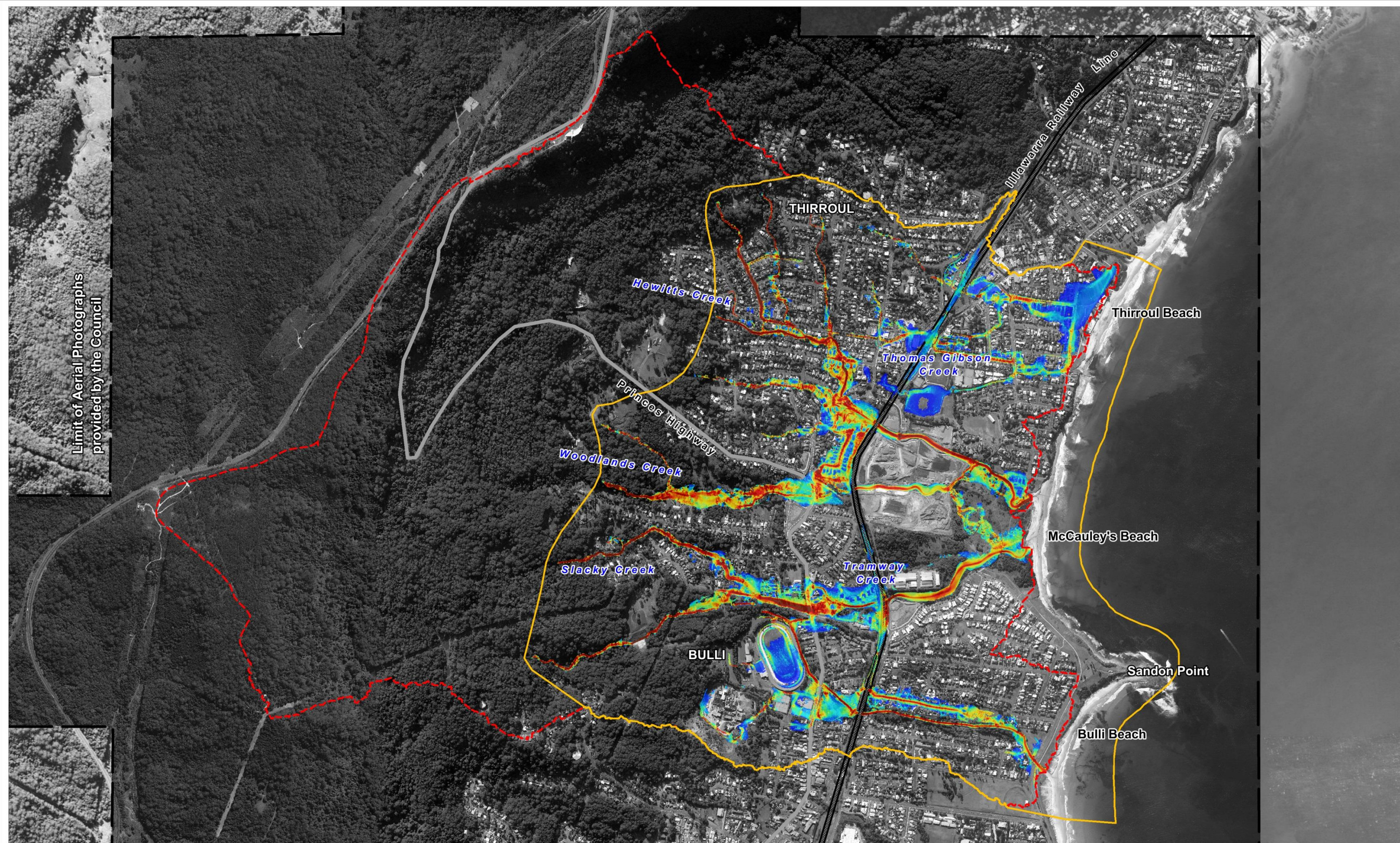


Figure:
D-12

Rev:
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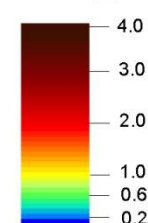


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provided by the Council

LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Velocity (m/s)



Title:

Review of Hewitts Creek Flood Study Maximum Flood Velocities: 1% AEP Event

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Approx. Scale

Figure:

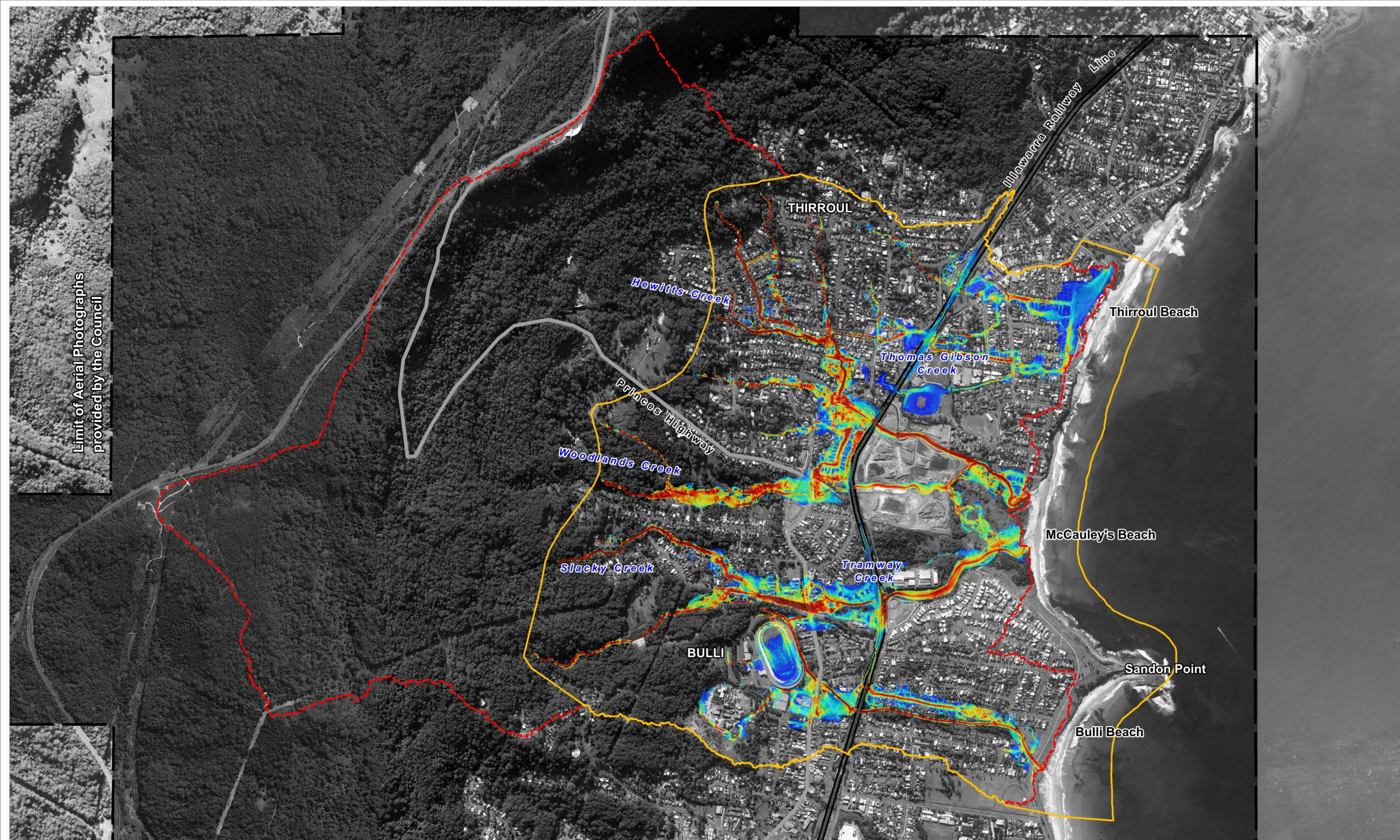
D-13

Rev:



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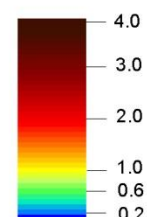
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LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Velocity (m/s)



Title:

**Review of Hewitts Creek Flood Study
Maximum Flood Velocities: 0.5% AEP Event**

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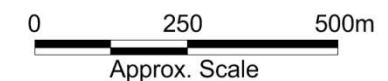
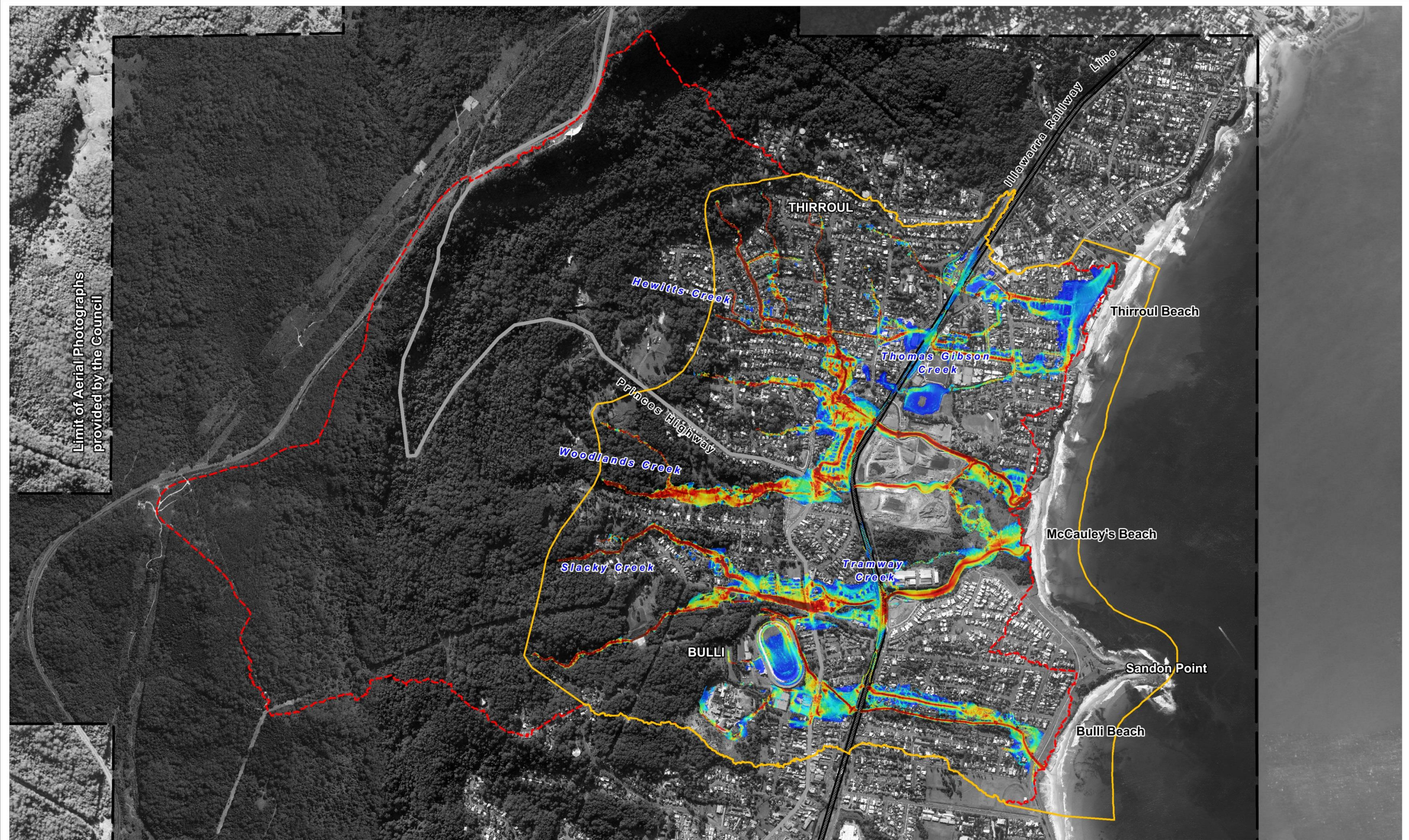


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D-14



Rev:
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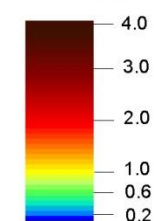
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LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Velocity (m/s)



Title:

Review of Hewitts Creek Flood Study Maximum Flood Velocities: 0.2% AEP Event

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0 250 500m
Approx. Scale

Figure:

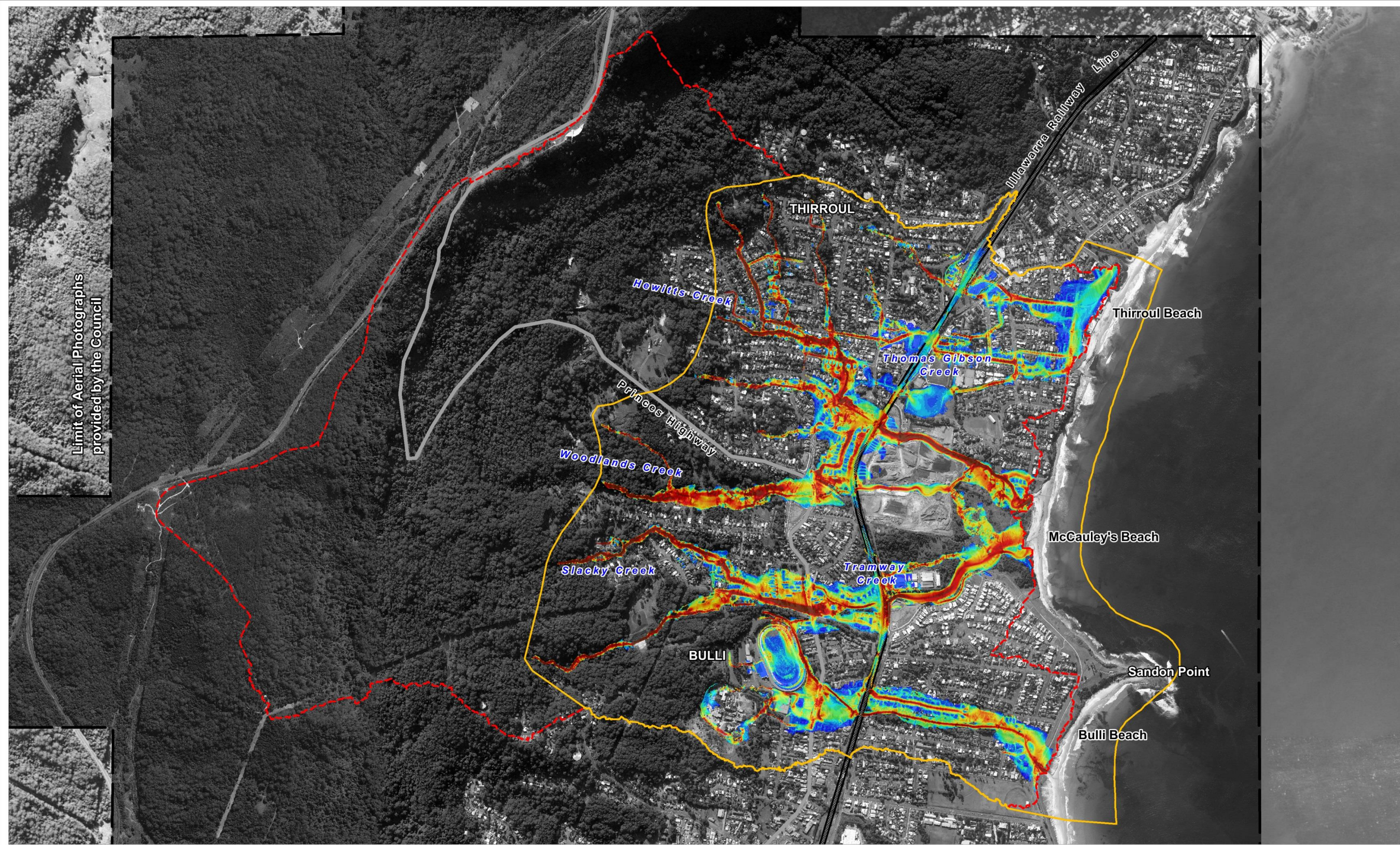
D-15

Rev:

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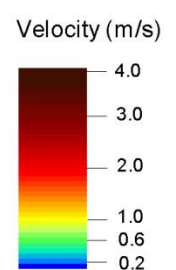


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- LEGEND**
- TUFLOW Model Boundary
 - Catchment Boundary



Title:
**Review of Hewitts Creek Flood Study
Maximum Flood Velocities: PMF**

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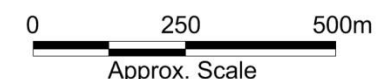
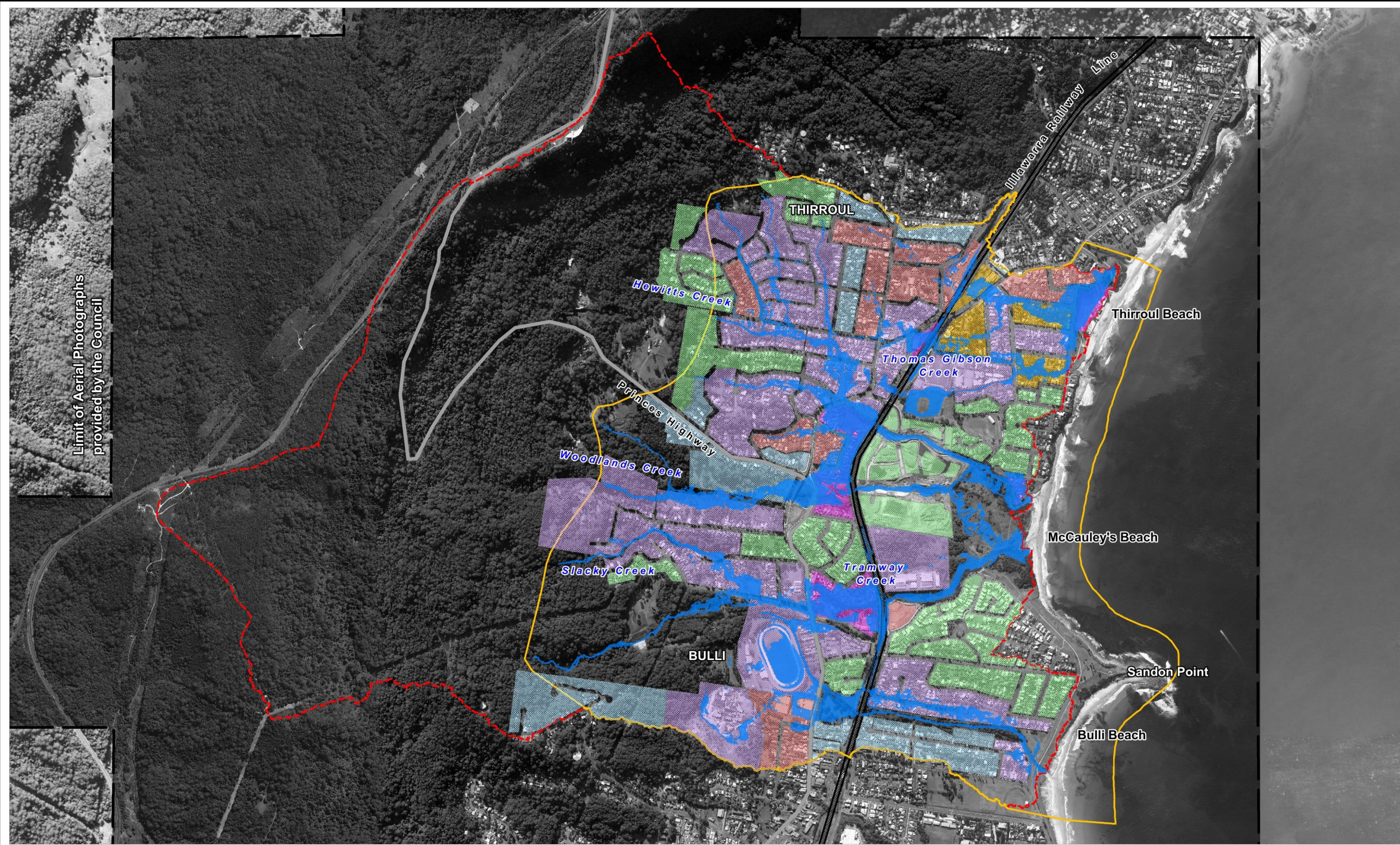


Figure:
D-16

Rev:
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Filepath : S:\WATER\PROJECTS\S1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\AppendixD\FigureD16_PMF_Velocity.wor



LEGEND

- TUFLOW Model Boundary
- Catchment Boundary
- Flood Extent

Flood Emergency Response Classification

- | | | | |
|--|-----------------------------|--|------------------|
| | Indirectly Affected Area | | Low Flood Island |
| | Not Flood Affected | | |
| | Rising Road Access Area | | |
| | High Trapped Perimeter Area | | |
| | High Flood Island | | |

Title:

Review of Hewitts Creek Flood Study Flood Emergency Response Classification: 5% AEP Event

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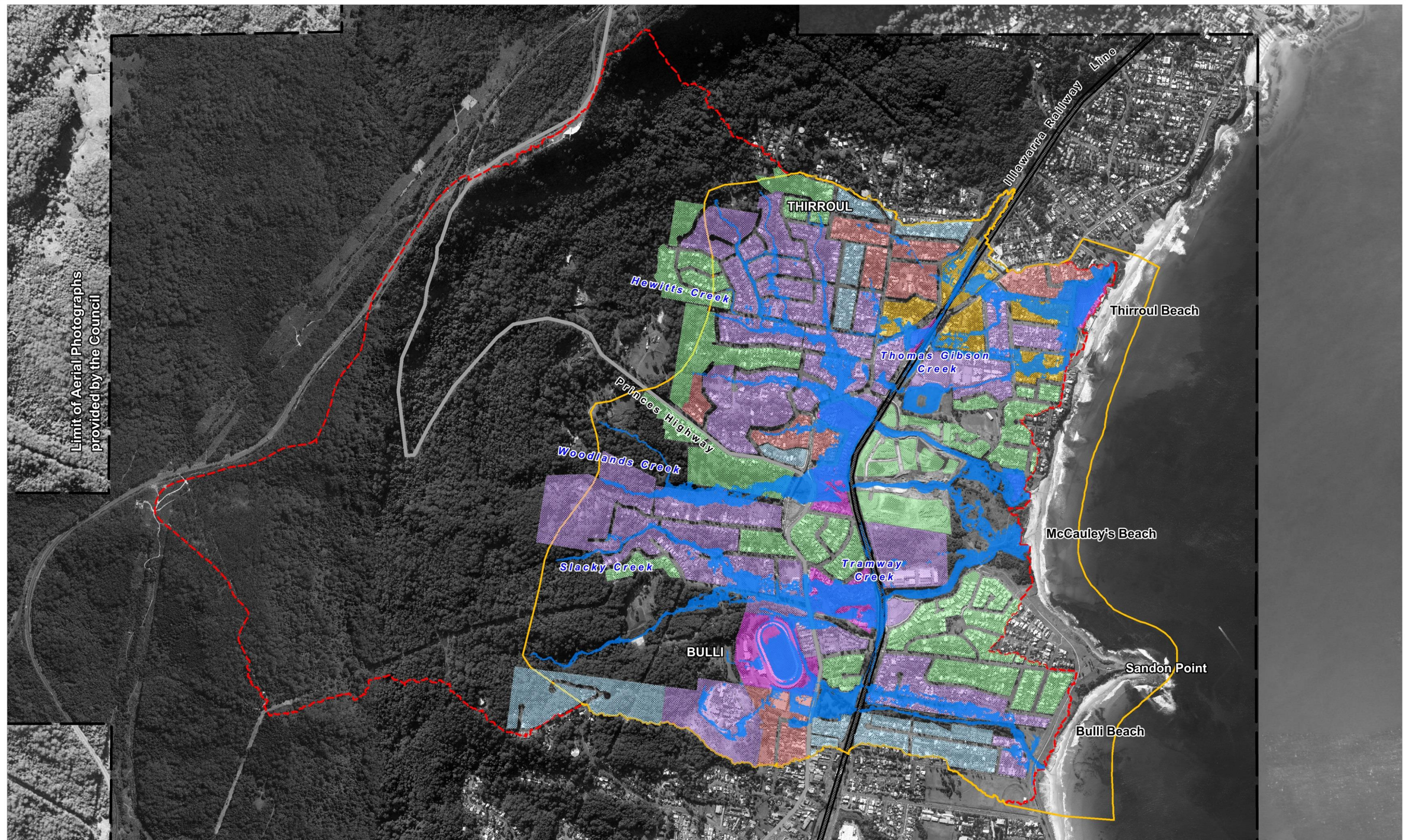
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Approx. Scale

Figure:
D-17

Rev:
1



Filepath : S:\WATER\PROJECTS\S1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\APPENDIX_D\FigureD17_020YR_FERC.wor



LEGEND

- TUFLOW Model Boundary
- Catchment Boundary
- Flood Extent

Flood Emergency Response Classification

- Indirectly Affected Area
- Not Flood Affected
- Rising Road Access Area
- High Trapped Perimeter Area
- High Flood Island
- Low Flood Island

Title:
Review of Hewitts Creek Flood Study
Flood Emergency Response Classification: 1% AEP Event

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.

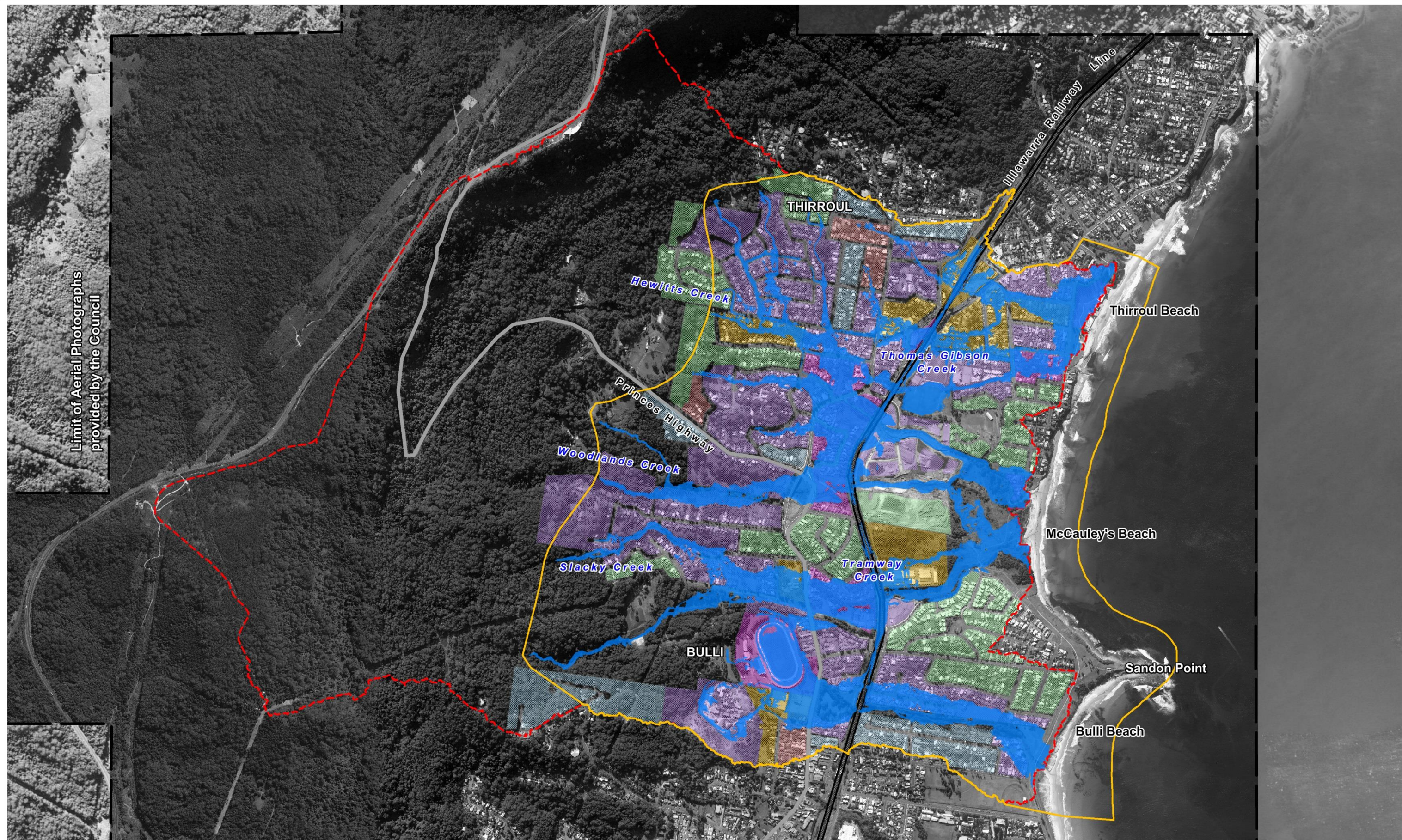


Figure:
D-18

Rev:
1



Filepath : S:\WATER\PROJECTS\S1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\APPENDIX_D\FigureD18_100YR_FERC.wor



LEGEND

- TUFLOW Model Boundary
- Catchment Boundary
- Flood Extent

Flood Emergency Response Classification

- | | | | |
|--|-----------------------------|--|------------------|
| | Indirectly Affected Area | | Low Flood Island |
| | Not Flood Affected | | |
| | Rising Road Access Area | | |
| | High Trapped Perimeter Area | | |
| | High Flood Island | | |

Title:

Review of Hewitts Creek Flood Study Flood Emergency Response Classification: PMF

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.



0 250 500m
Approx. Scale

Figure:

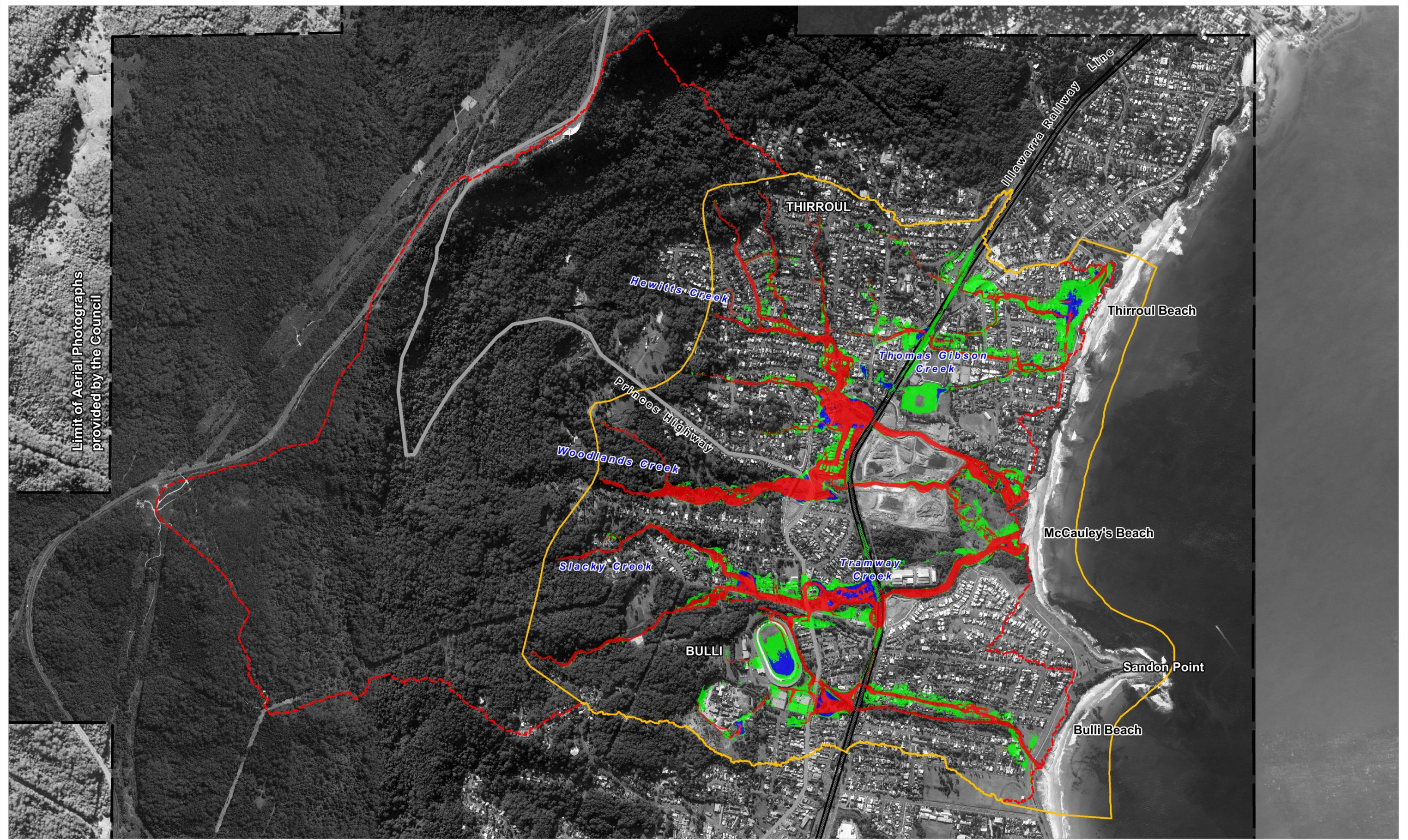
D-19

Rev:

1



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LEGEND

TUFLOW Model Boundary

Catchment Boundary

Hydraulic Categorisation

Floodway

Flood Storage

Flood Fringe

Title:

Review of Hewitts Creek Flood Study

Hydraulic Categories: 1% AEP Event

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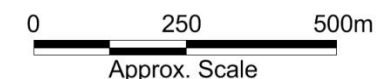
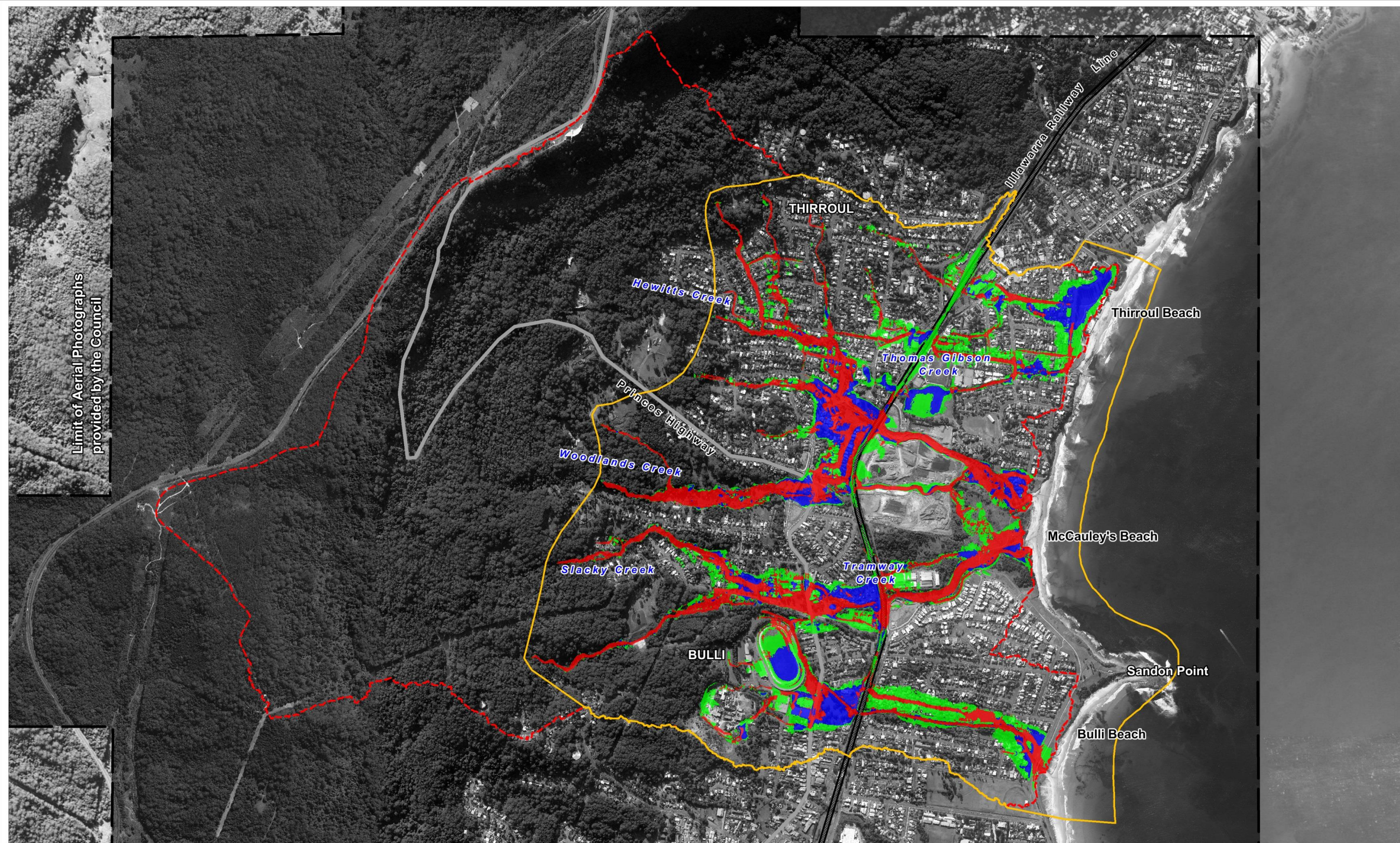


Figure: **D-20**

Rev: **1**



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LEGEND

- TUFLOW Model Boundary
- - - Catchment Boundary

Hydraulic Categorisation

- Floodway
- Flood Storage
- Flood Fringe

Title:

Review of Hewitts Creek Flood Study Hydraulic Categories: PMF

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.



0 250 500m
Approx. Scale

Figure:

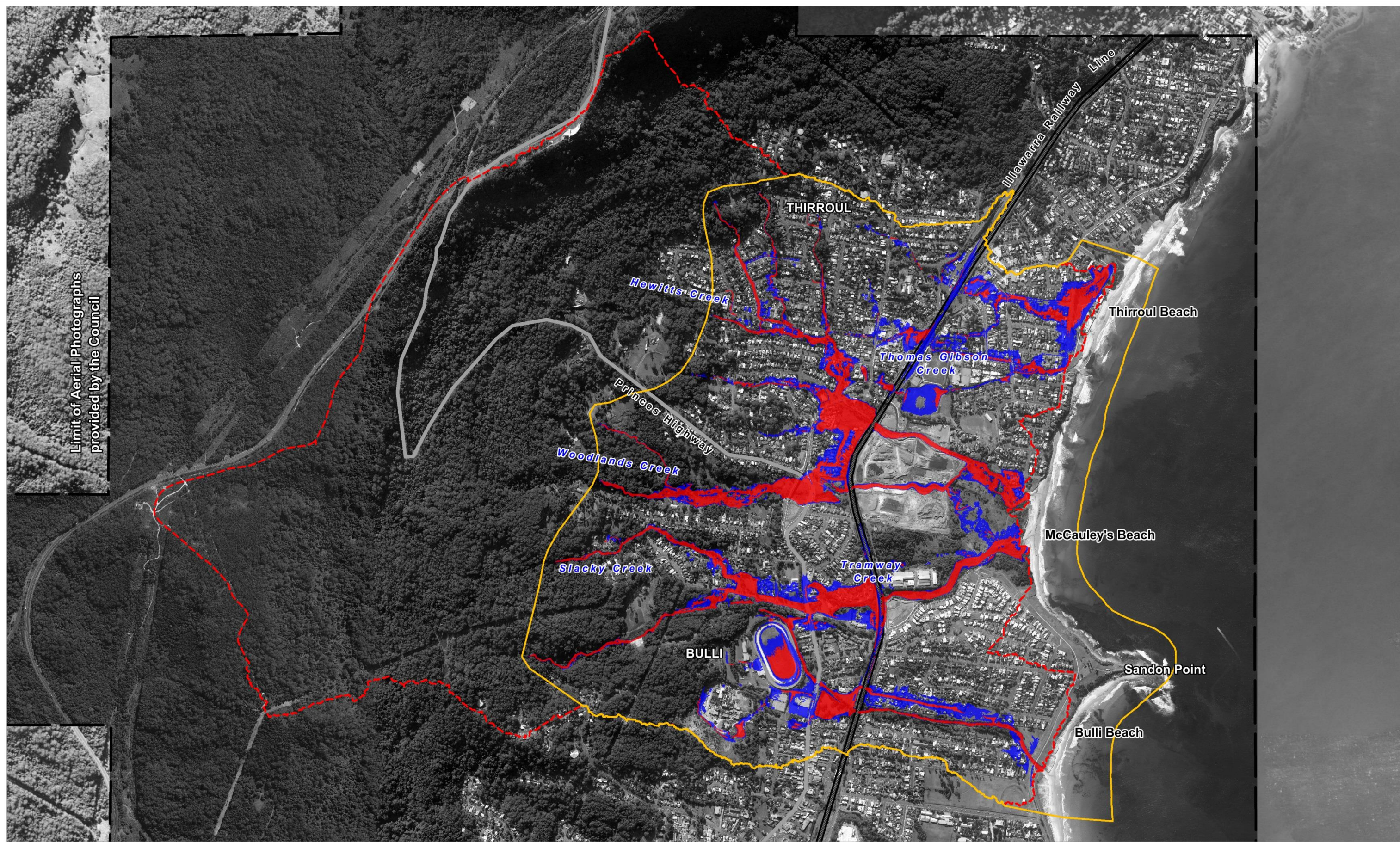
D-21

Rev:



1



Filepath : S:\WATER\PROJECTS\S1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\AppendixD\FigureD21_PMF_HydraulicCat.wor



LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

- Provisional Hydraulic Flood Hazard
-  Low
 -  High

Title:

Review of Hewitts Creek Flood Study Provisional Flood Hazard Categories: 1% AEP Event

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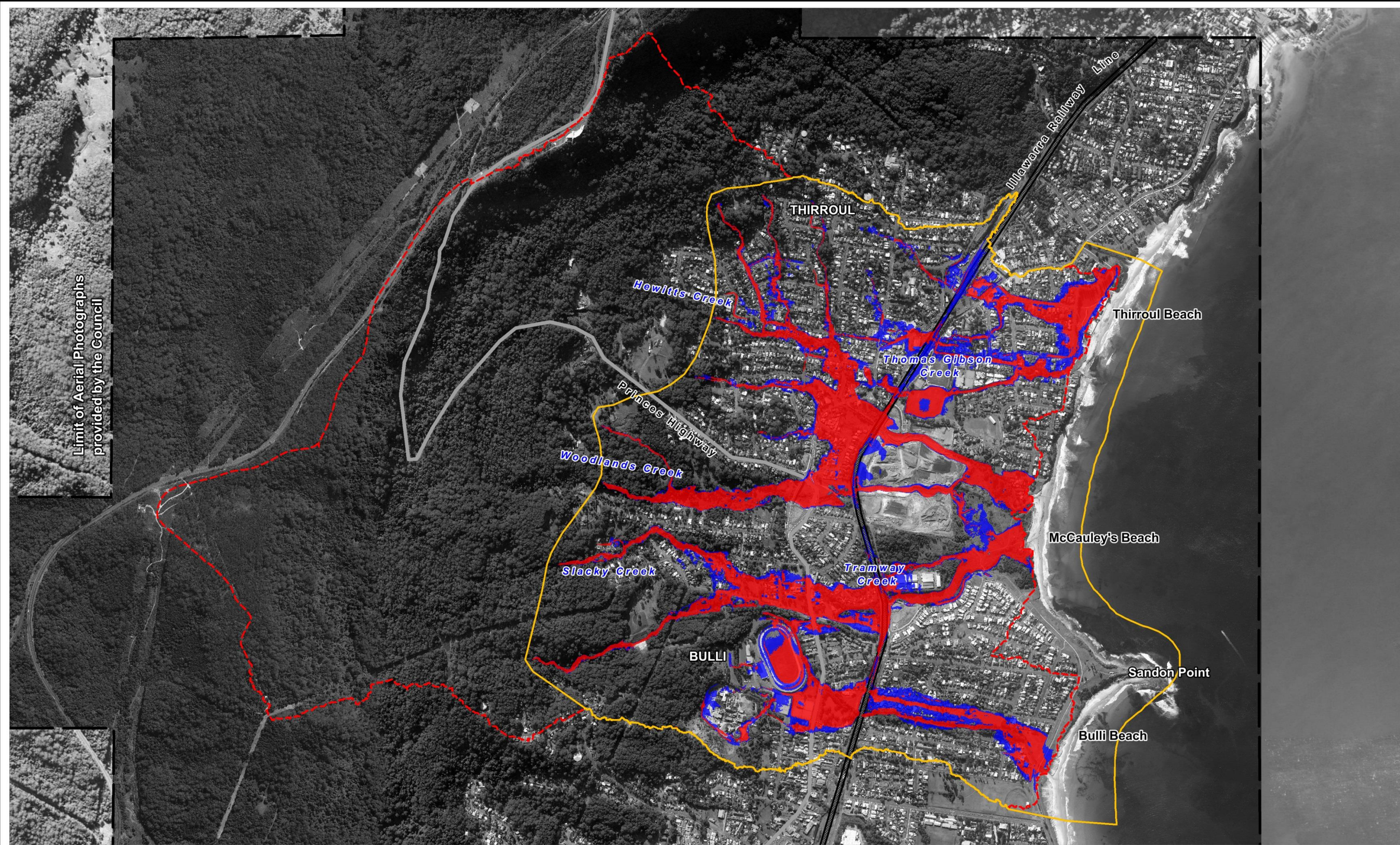
0 250 500m
Approx. Scale

Figure:
D-22

Rev:
1



Filepath : S:\WATER\PROJECTS\1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\AppendixD\FigureD22_100YR_Provisional_Hazard.wor



LEGEND



TUFLOW Model Boundary



Catchment Boundary

Provisional Hydraulic
Flood Hazard



Low

High

Title:

Review of Hewitts Creek Flood Study Provisional Flood Hazard Categories: PMF

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0 250 500m
Approx. Scale

Figure:

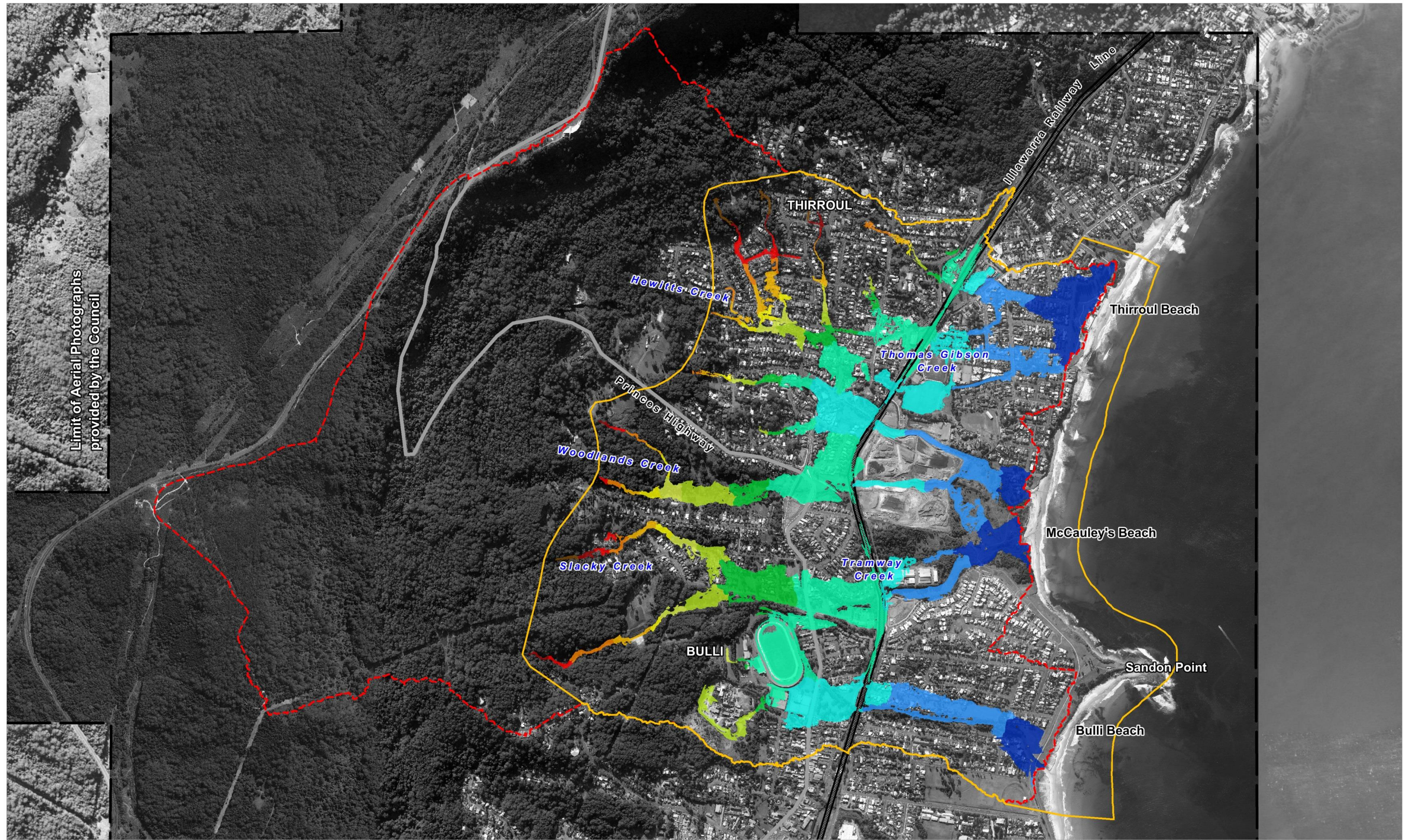
D-23

Rev:



1



Filepath : S:\WATER\PROJECTS\1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\AppendixD\FigureD23_PMF_Provisional_Hazard.wor



LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Flood Planning Level (mAHd)

	0.00 to 5.00		35.00 to 40.00
	5.00 to 10.00		40.00 to 50.00
	10.00 to 15.00		50.00 to 60.00
	15.00 to 20.00		60.00 to 70.00
	20.00 to 25.00		70.00 to 80.00
	25.00 to 30.00		> 80.00
	30.00 to 35.00		

Title:

**Review of Hewitts Creek Flood Study
Preliminary Residential Flood Planning Area and Level (current 1% AEP + 0.5m)**

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0 250 500m
Approx. Scale

Figure:

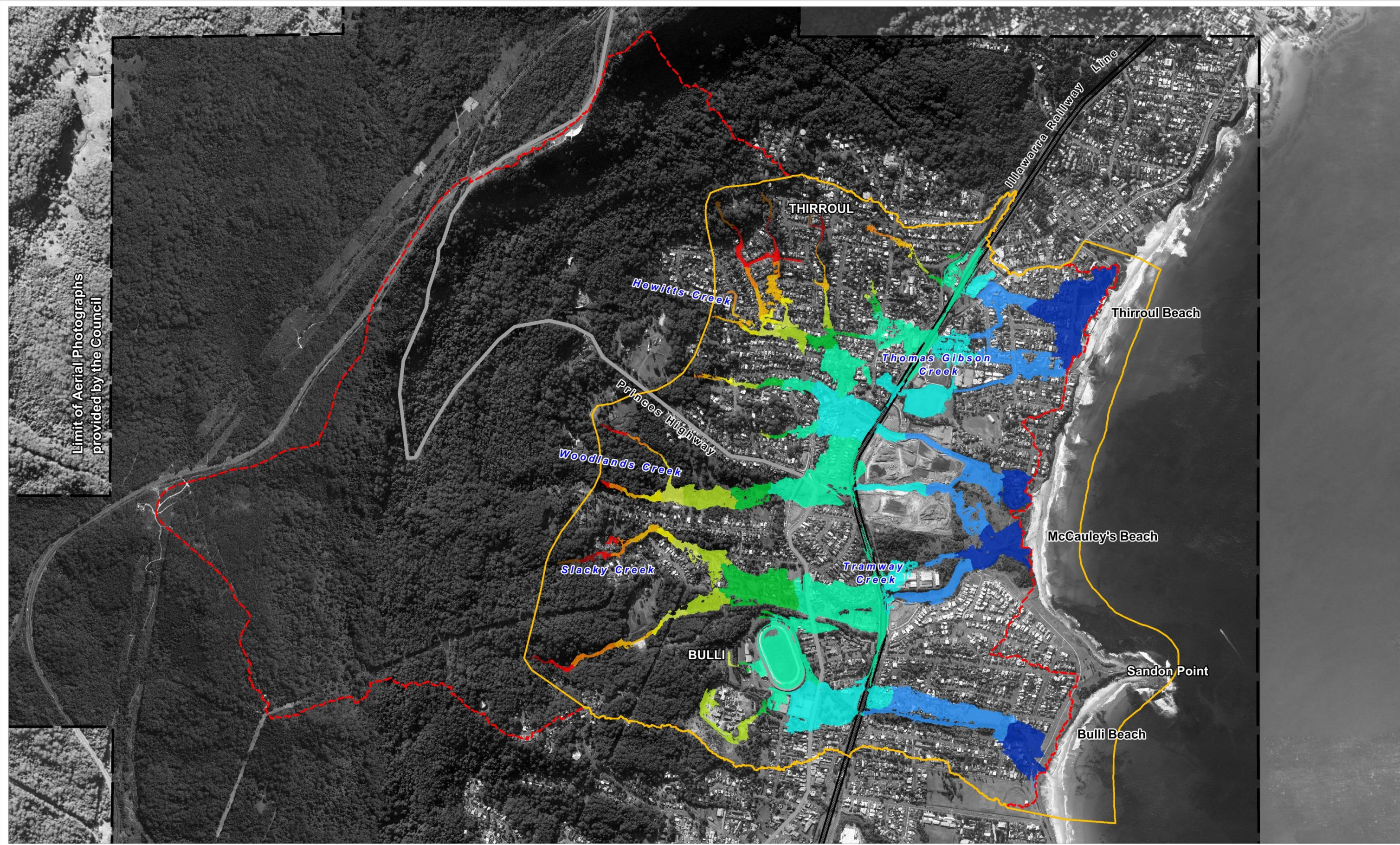
D-24

Rev:

1



Filepath : S:\WATER\PROJECTS\1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\APPENDIX_D\FigureD24_100Yr_FloodPlanning.wor



Limit of Aerial Photographs
provided by the Council

LEGEND

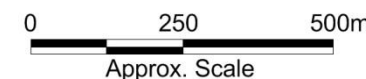
TUFLOW Model Boundary

Catchment Boundary

Flood Planning Level (mAHD)	
	0.00 to 5.00
	5.00 to 10.00
	10.00 to 15.00
	15.00 to 20.00
	20.00 to 25.00
	25.00 to 30.00
	30.00 to 35.00
	35.00 to 40.00
	40.00 to 50.00
	50.00 to 60.00
	60.00 to 70.00
	70.00 to 80.00
	> 80.00

Title:
**Review of Hewitts Creek Flood Study
2050 Preliminary Residential Flood Planning Area and Level**

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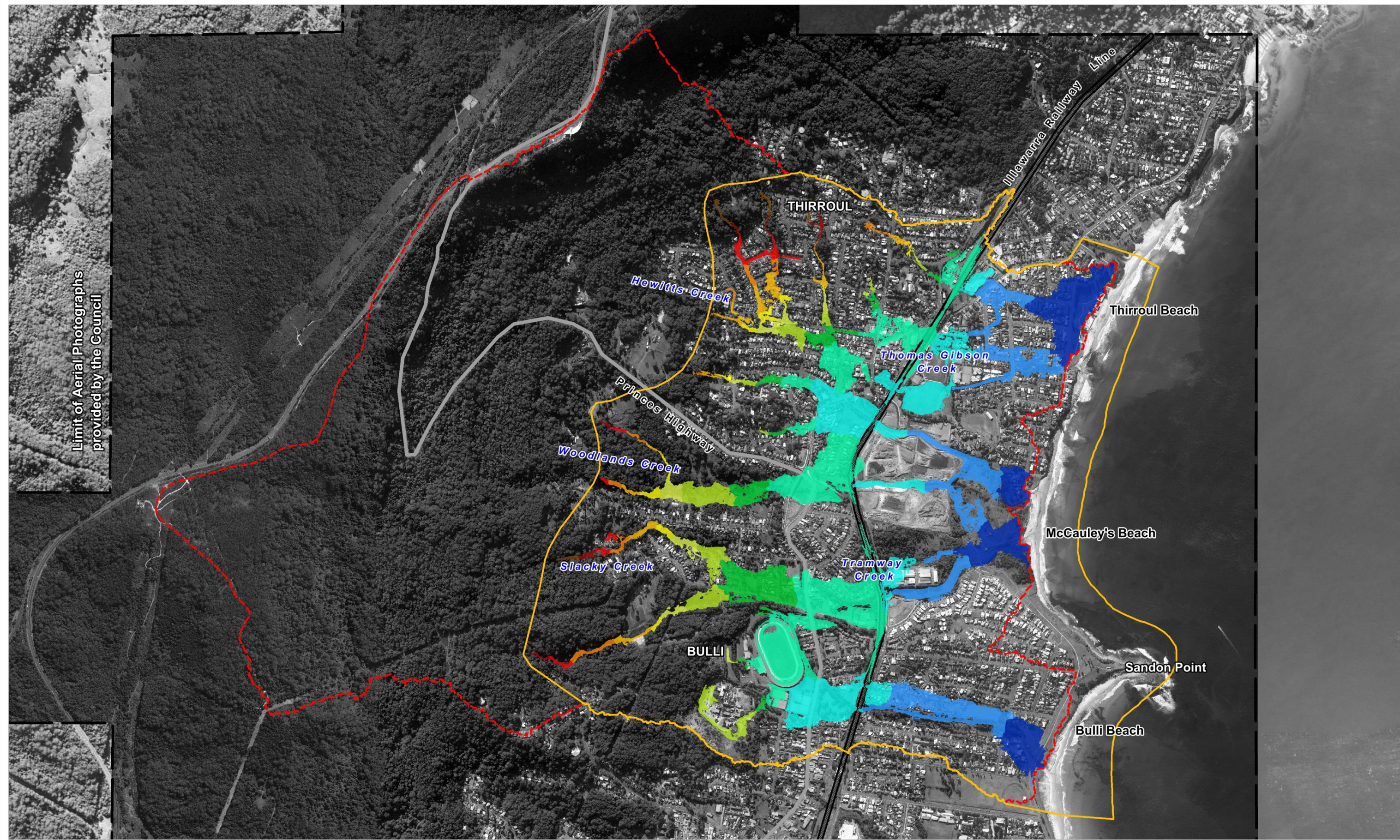


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Figure:
D-25

Rev:
1





LEGEND

-  TUFLOW Model Boundary
-  Catchment Boundary

Flood Planning Level (mAHD)

	0.00 to 5.00		35.00 to 40.00
	5.00 to 10.00		40.00 to 50.00
	10.00 to 15.00		50.00 to 60.00
	15.00 to 20.00		60.00 to 70.00
	20.00 to 25.00		70.00 to 80.00
	25.00 to 30.00		> 80.00
	30.00 to 35.00		

Title:

Review of Hewitts Creek Flood Study 2100 Preliminary Residential Flood Planning Area and Level

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0 250 500m
Approx. Scale

Figure:

D-26

Rev:

1



Filepath : S:\WATER\PROJECTS\1290 - Water - Hewitts Ck Flood Study\Drafting\WOR\Figures\APPENDIX_D\FigureD26_100Yr_0.9mSLR_FloodPlanning.wor



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