

Appendix C Tidal Overtopping Modelling Mapping

0.5% AEP (2025 and 2125)

Map 1: Overtopping 0.5% AEP (2025) – Maximum Depth (m)

Map 2: Overtopping 0.5% AEP (2025) – Maximum Hazard Rating

Map 3: Overtopping 0.5% AEP (2125 Higher Central) – Maximum Depth (m)

Map 4: Overtopping 0.5% AEP (2125 Higher Central) – Maximum Hazard Rating

Map 5: Overtopping 0.5% AEP (2125 Upper End) – Maximum Depth (m)

Map 6: Overtopping 0.5% AEP (2125 Upper End) – Maximum Hazard Rating

0.1% AEP (2025 and 2125)

Map 7: Overtopping 0.1% AEP (2025) – Maximum Depth (m)

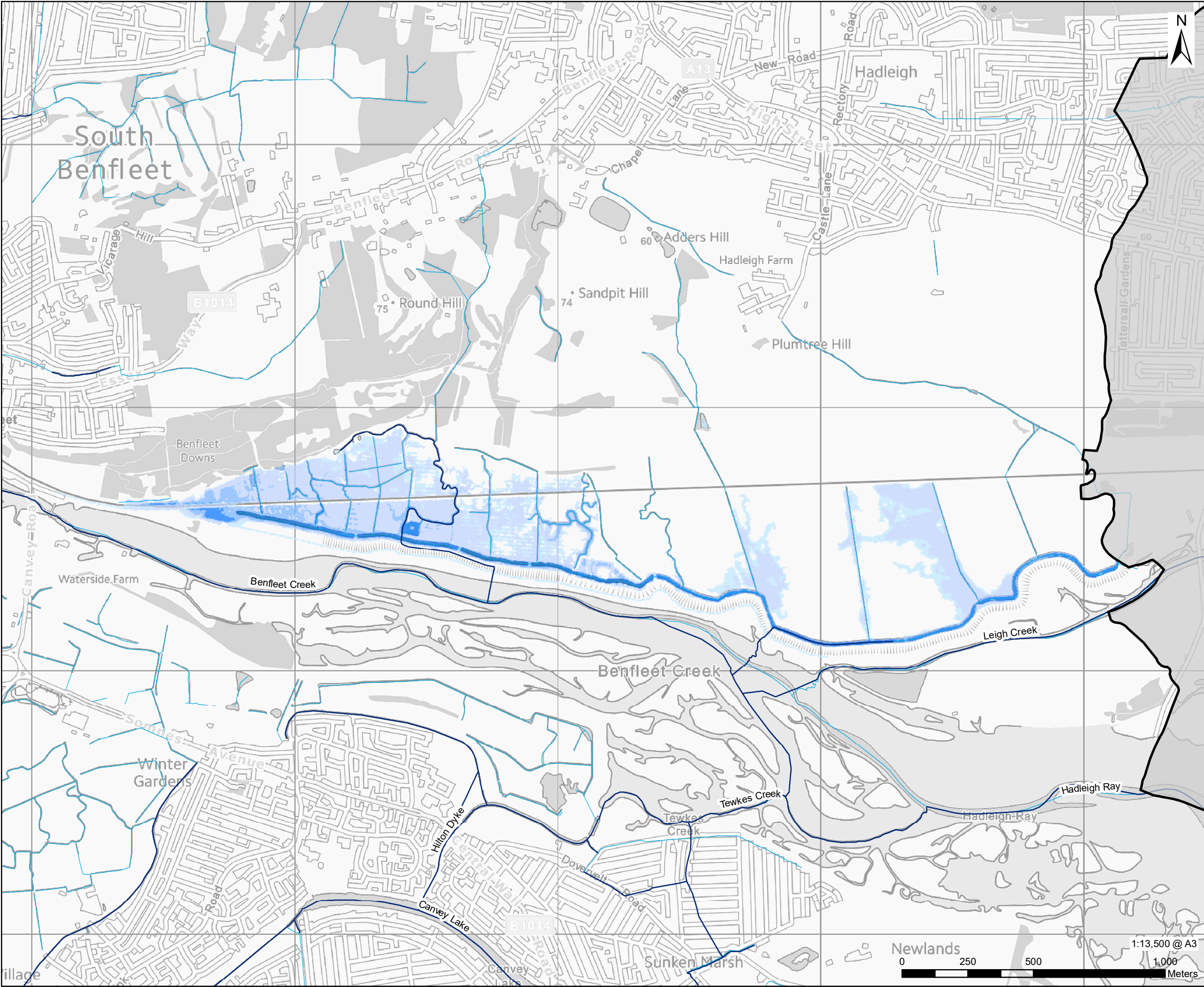
Map 8: Overtopping 0.1% AEP (2025) – Maximum Hazard Rating

Map 9: Overtopping 0.1% AEP (2125 Higher Central) – Maximum Depth (m)

Map 10: Overtopping 0.1% AEP (2125 Higher Central) – Maximum Hazard Rating

Map 11: Overtopping 0.1% AEP (2125 Upper End) – Maximum Depth (m)

Map 12: Overtopping 0.1% AEP (2125 Upper End) – Maximum Hazard Rating



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www.aecom.com

LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

Maximum Depth (m): 0.5% AEP 2025

- 0 to 0.1
- 0.1 to 0.5
- 0.5 to 1
- 1 to 1.5
- 1.5 to 2
- 2 to 2.5
- 2.5 to 5
- 5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flood depth during a 200yr 2025 overtopping scenario.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

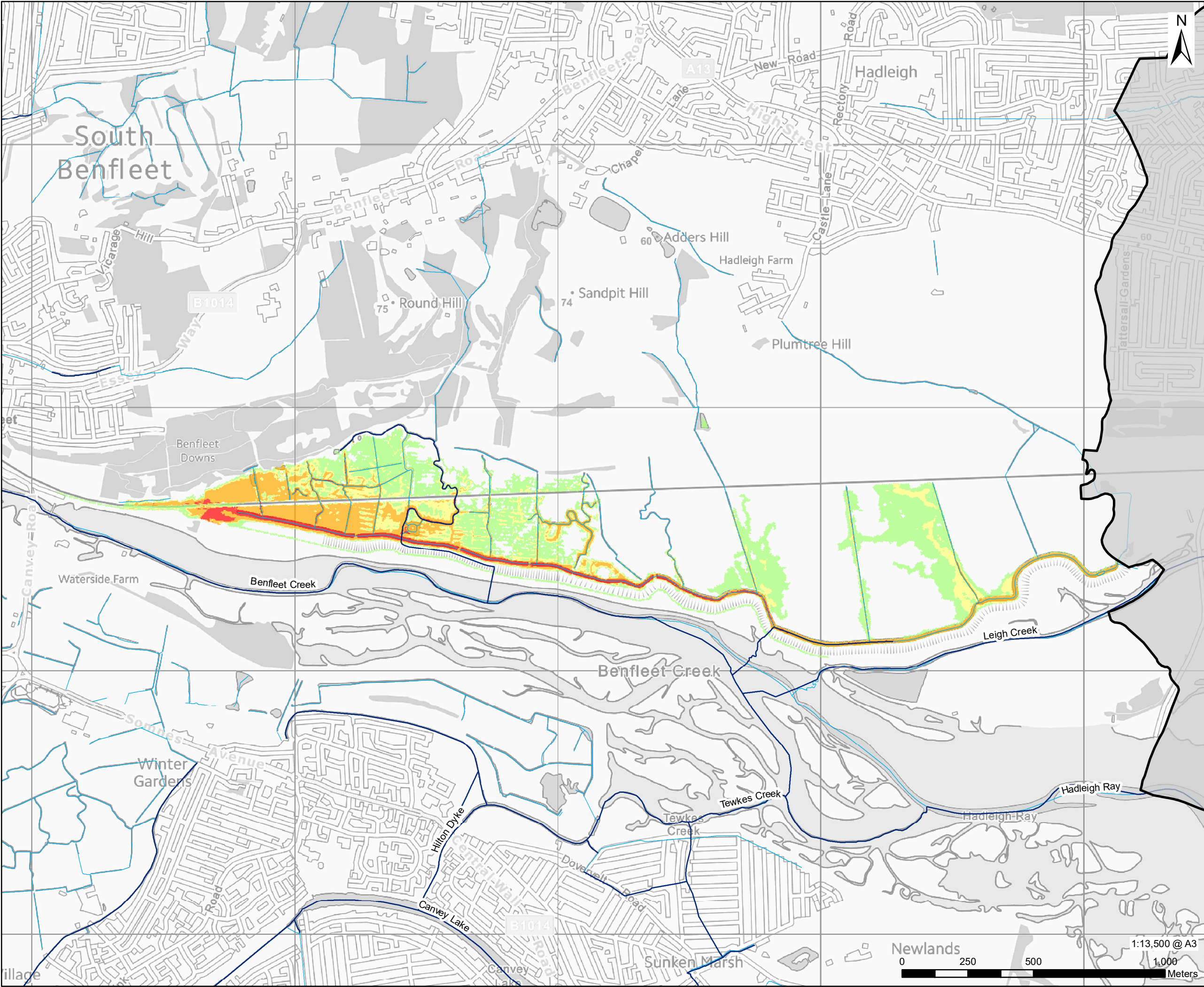
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PROJECT NUMBER
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MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2025: Maximum Depth

MAP NUMBER
Appendix C Map 1



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

**Maximum Hazard Rating: 0.5% AEP
2025**

- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum hazard rating during a 200yr 2025 overtopping scenario.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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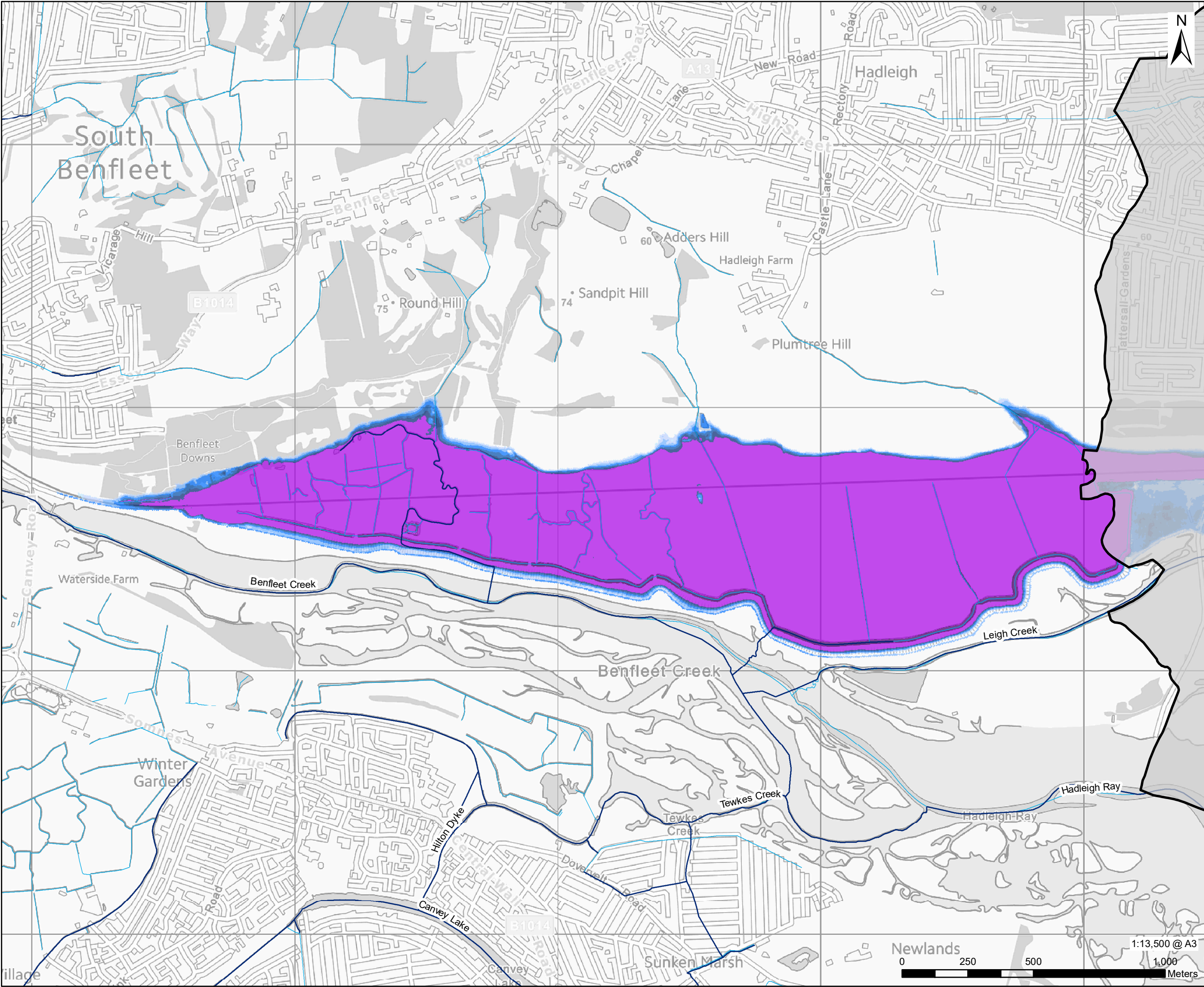
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MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2025: Maximum Hazard Rating

MAP NUMBER
Appendix C Map 2





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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

**Maximum Depth (m): 0.5% AEP 2125
Higher Central**

- 0 to 0.1
- 0.1 to 0.5
- 0.5 to 1
- 1 to 1.5
- 1.5 to 2
- 2 to 2.5
- 2.5 to 5
- 5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flood depth during a 200yr 2125 overtopping scenario including a higher central climate change allowance.

2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

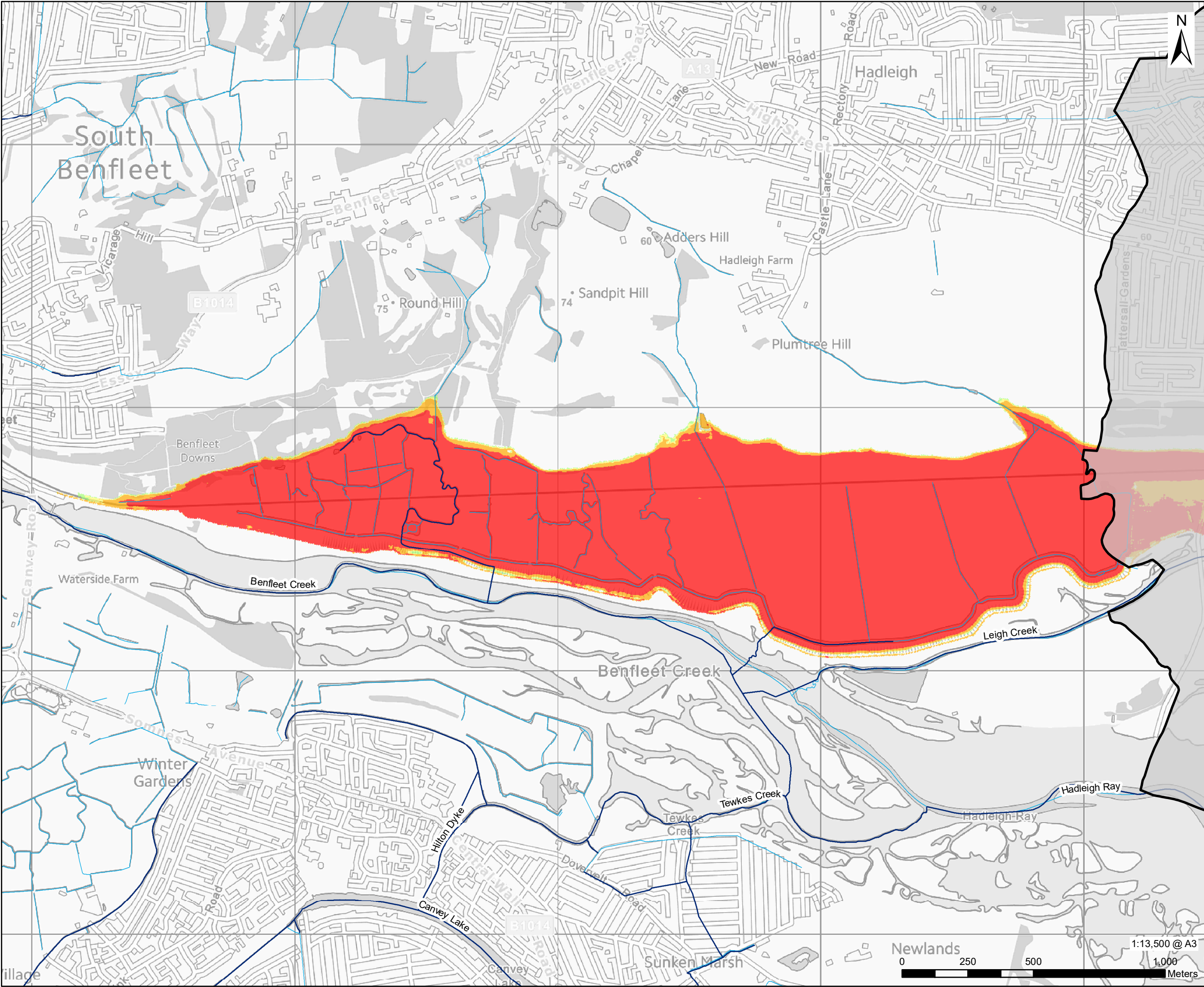
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MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2125 + Higher Central Climate Change Allowance: Maximum Depth

MAP NUMBER
Appendix C Map 3



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

**Maximum Hazard Rating: 0.5% AEP
2125 Higher Central**

- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum hazard rating during a 200yr 2125 overtopping scenario including a higher central allowance for climate change.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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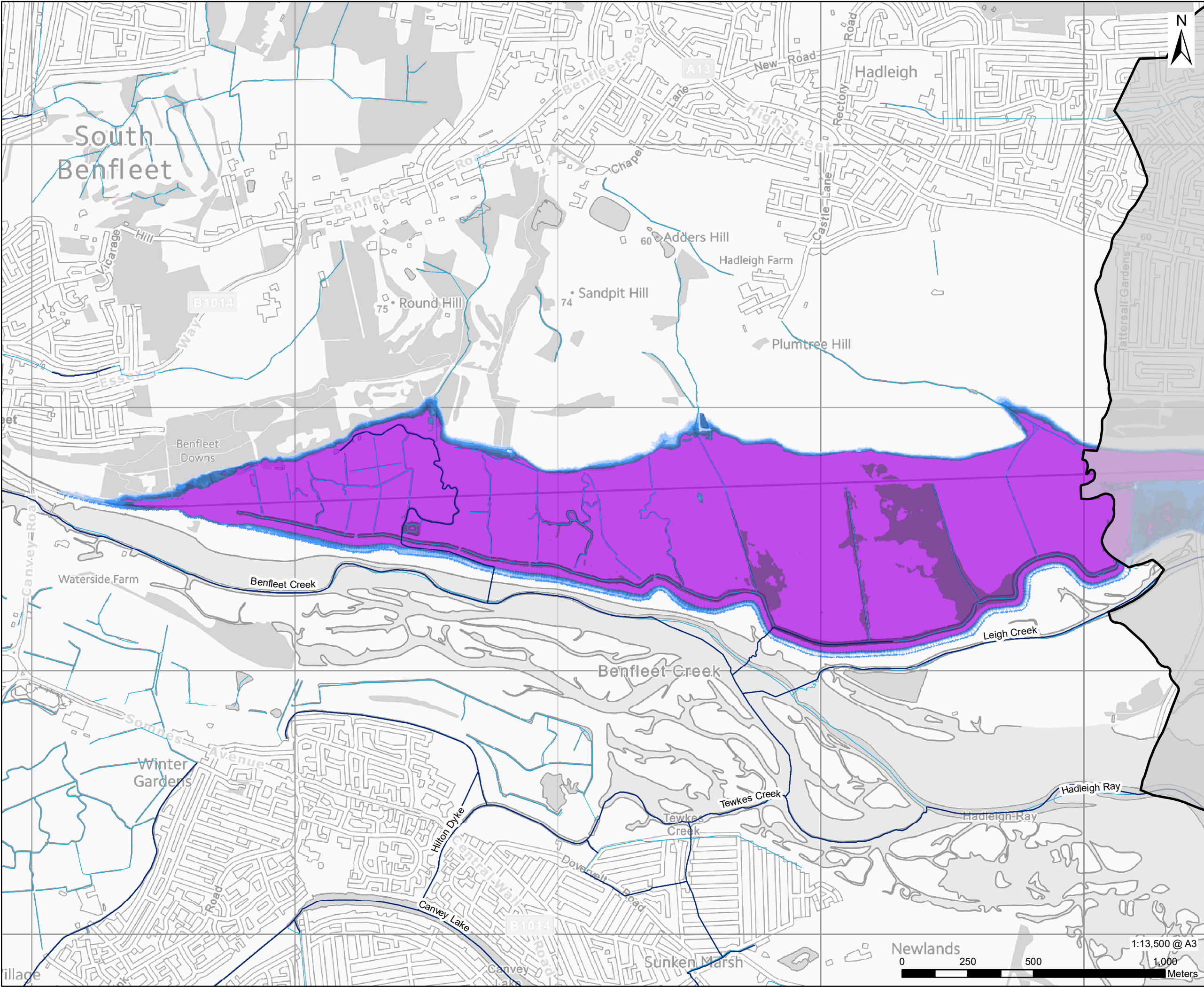
PROJECT NUMBER
60725540

MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2125 + Higher Central Climate Change Allowance: Maximum Hazard Rating

MAP NUMBER
Appendix C Map 4

Scale: 1:13,500 @ A3

0 250 500 1,000 Meters



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

Maximum Depth (m): 0.5% AEP 2125 Upper End

- 0 to 0.1
- 0.1 to 0.5
- 0.5 to 1
- 1 to 1.5
- 1.5 to 2
- 2 to 2.5
- 2.5 to 5
- 5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flood depth during a 200yr 2125 overtopping scenario including an upper end climate change allowance.

2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

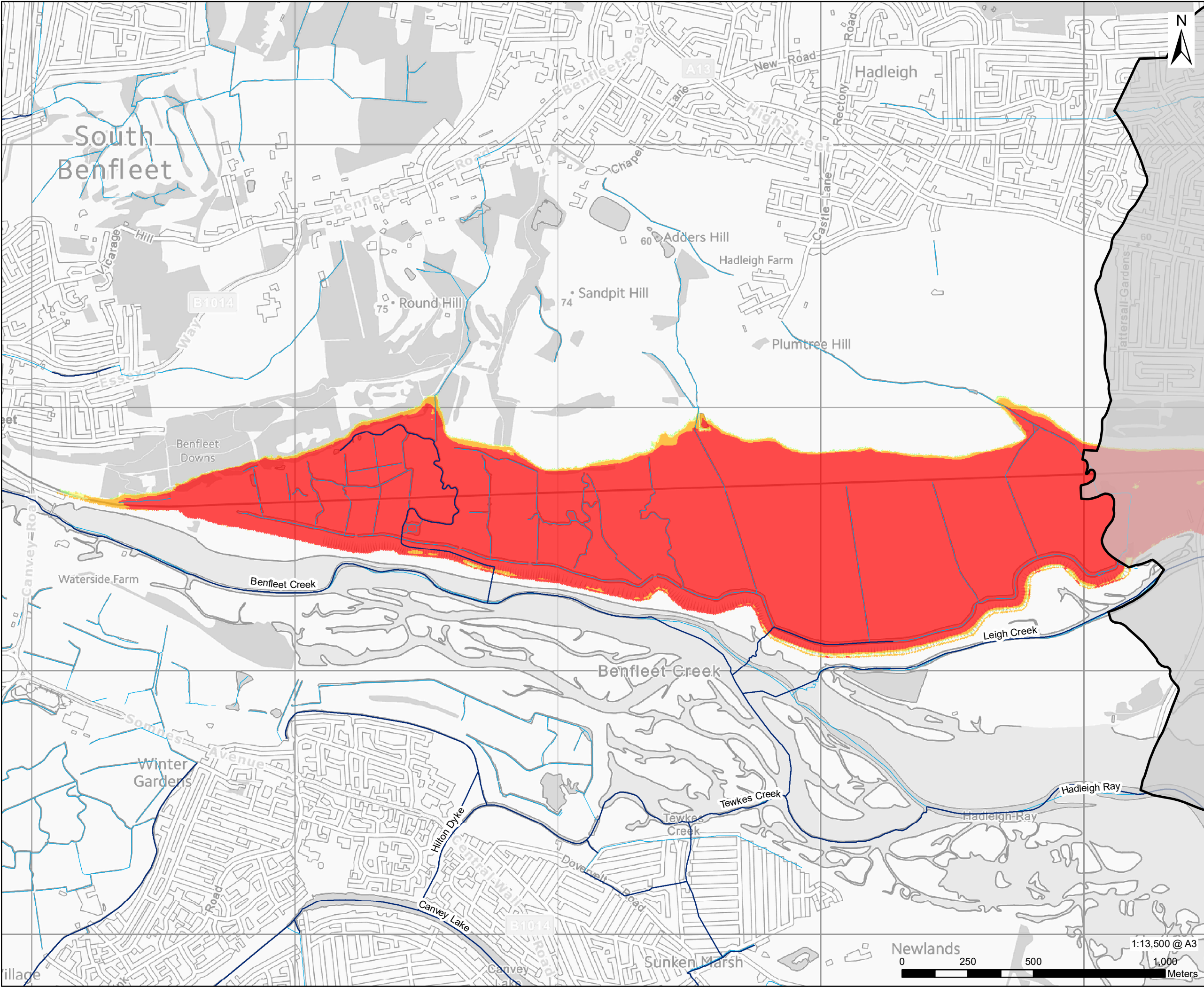
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PROJECT NUMBER
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MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2125 + Upper End Climate Change Allowance: Maximum Depth

MAP NUMBER
Appendix C Map 5



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

**Maximum Hazard Rating: 0.5% AEP
2125 Upper End**

- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum hazard rating during a 200yr 2125 overtopping scenario including an upper end allowance for climate change.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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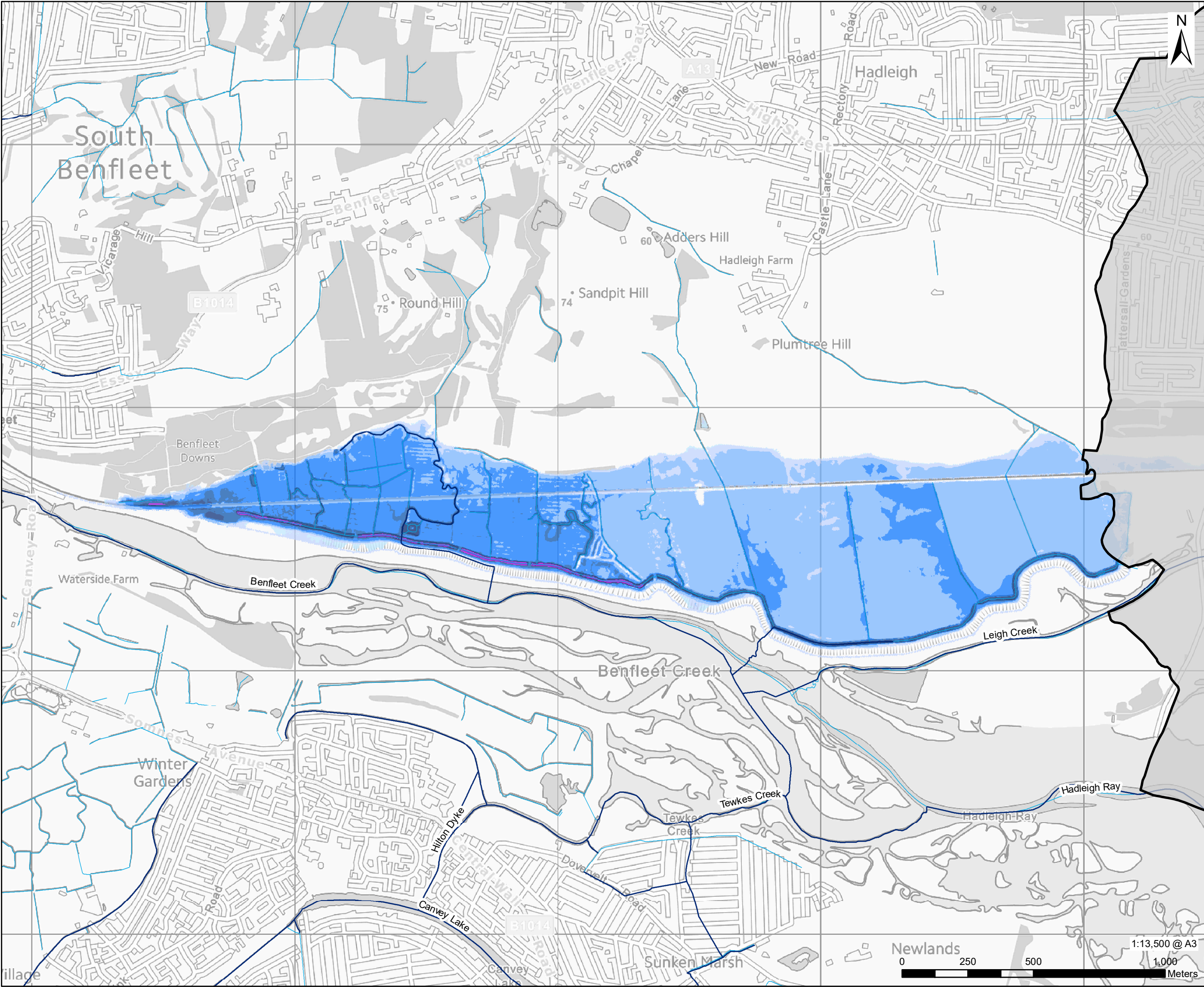
PROJECT NUMBER
60725540

MAP TITLE
Risk of Overtopping 200YR (0.5% AEP) 2125 + Upper End Climate Change Allowance: Maximum Hazard Rating

MAP NUMBER
Appendix C Map 6

Scale: 1:13,500 @ A3

0 250 500 1,000 Meters



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

Maximum Depth (m): 0.1% AEP 2025

- 0 to 0.1
- 0.1 to 0.5
- 0.5 to 1
- 1 to 1.5
- 1.5 to 2
- 2 to 2.5
- 2.5 to 5
- 5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flood depth during a 1000yr 2025 overtopping scenario.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

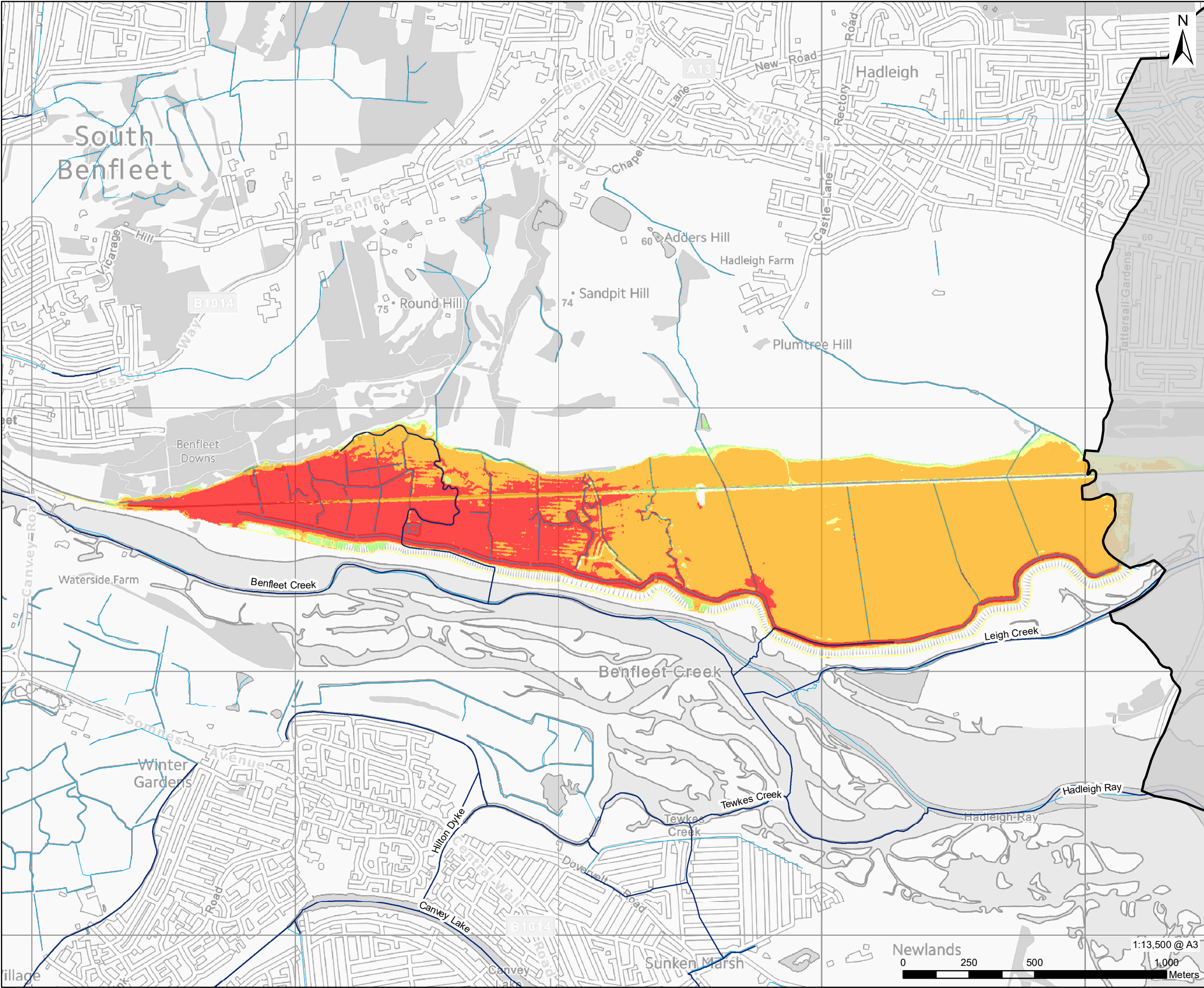
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MAP TITLE
Risk of Overtopping 1000YR (0.1% AEP) 2025: Maximum Depth

MAP NUMBER
Appendix C Map 7



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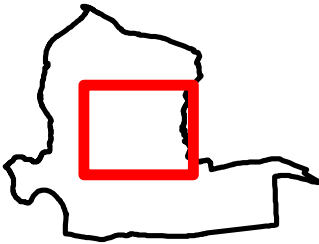
LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

**Maximum Hazard Rating: 0.1% AEP
2025**

- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR



NOTES

1: This map shows the predicted maximum hazard rating during a 1000yr 2025 overtopping scenario.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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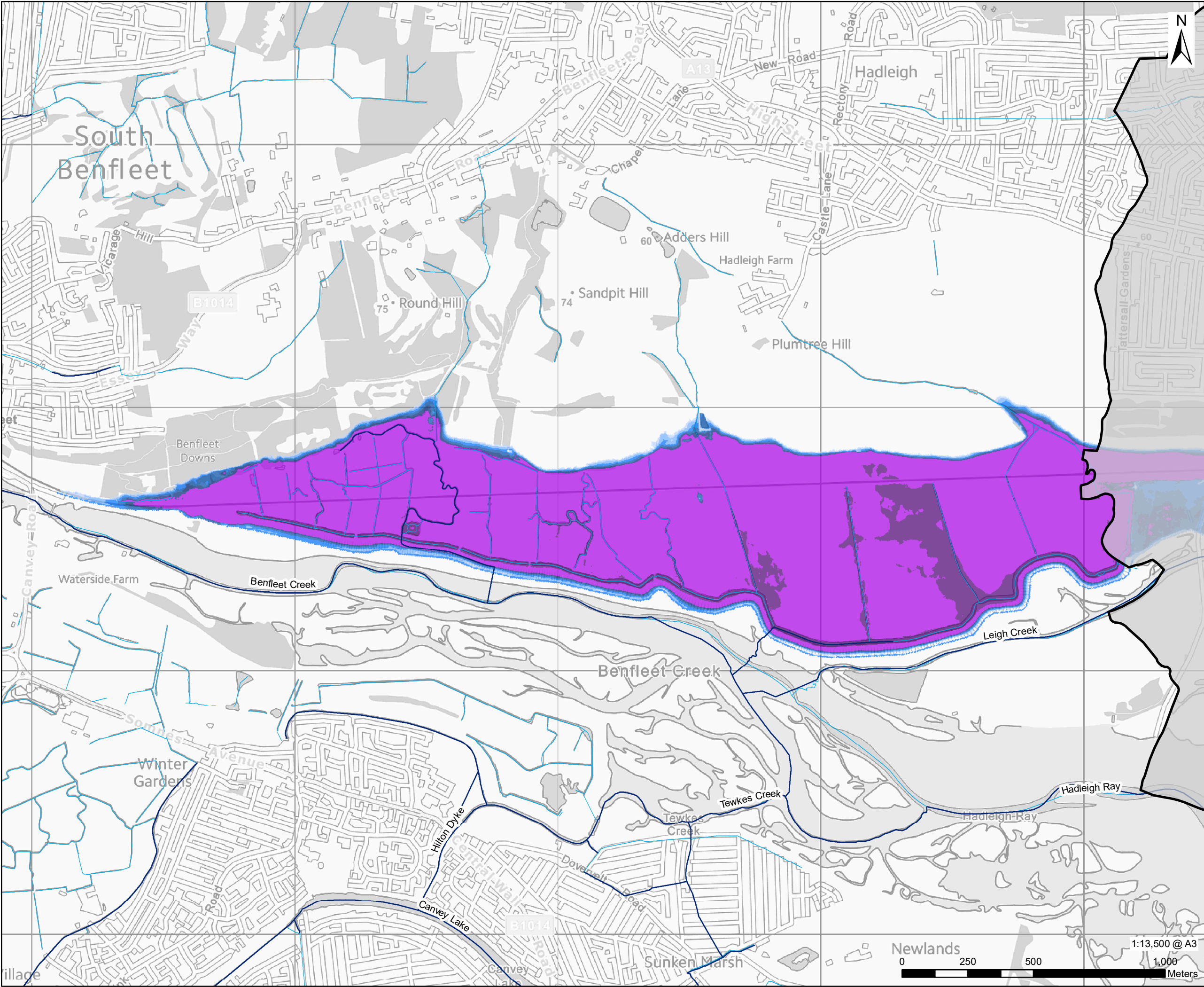
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MAP TITLE

Risk of Overtopping 1000YR (0.1% AEP) 2025: Maximum Hazard Rating

MAP NUMBER

Appendix C Map 8



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LEGEND

Castle Point Borough Council

EA Main River

Watercourse

**Maximum Depth (m): 0.1% AEP 2125
Higher Central**

0 to 0.1

0.1 to 0.5

0.5 to 1

1 to 1.5

1.5 to 2

2 to 2.5

2.5 to 5

5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flood depth during a 1000yr 2125 overtopping scenario including a higher central climate change allowance.
2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

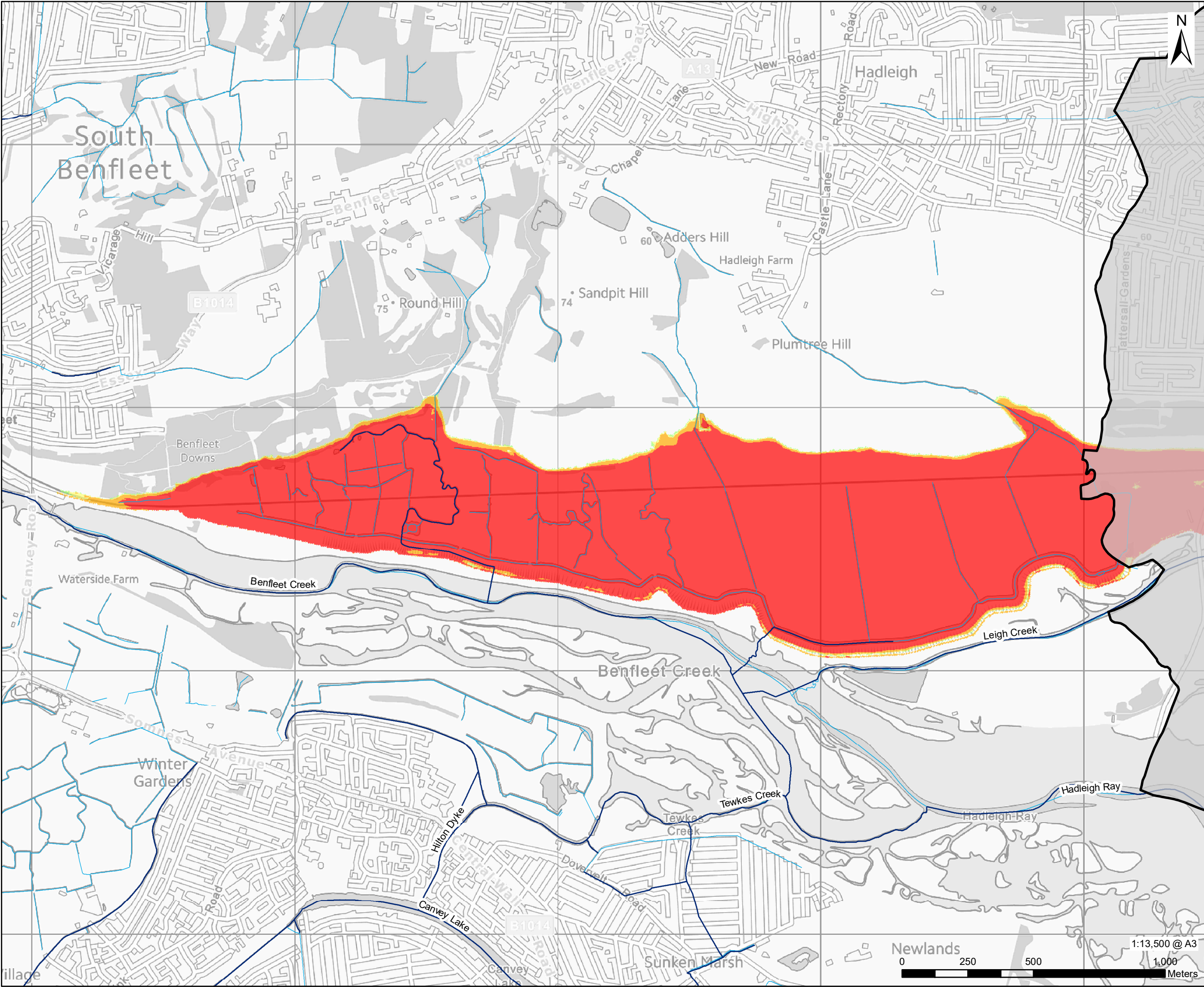
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ISSUE PURPOSE
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MAP TITLE
Risk of Overtopping 1000YR (0.1% AEP) 2125 + Higher Central Climate Change Allowance: Maximum Depth

MAP NUMBER
Appendix C Map 9



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LEGEND

- Castle Point Borough Council
- EA Main River
- Watercourse

Maximum Hazard Rating: 0.1% AEP 2125 Higher Central

- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum hazard rating during a 1000yr 2125 overtopping scenario including a higher central allowance for climate change.

2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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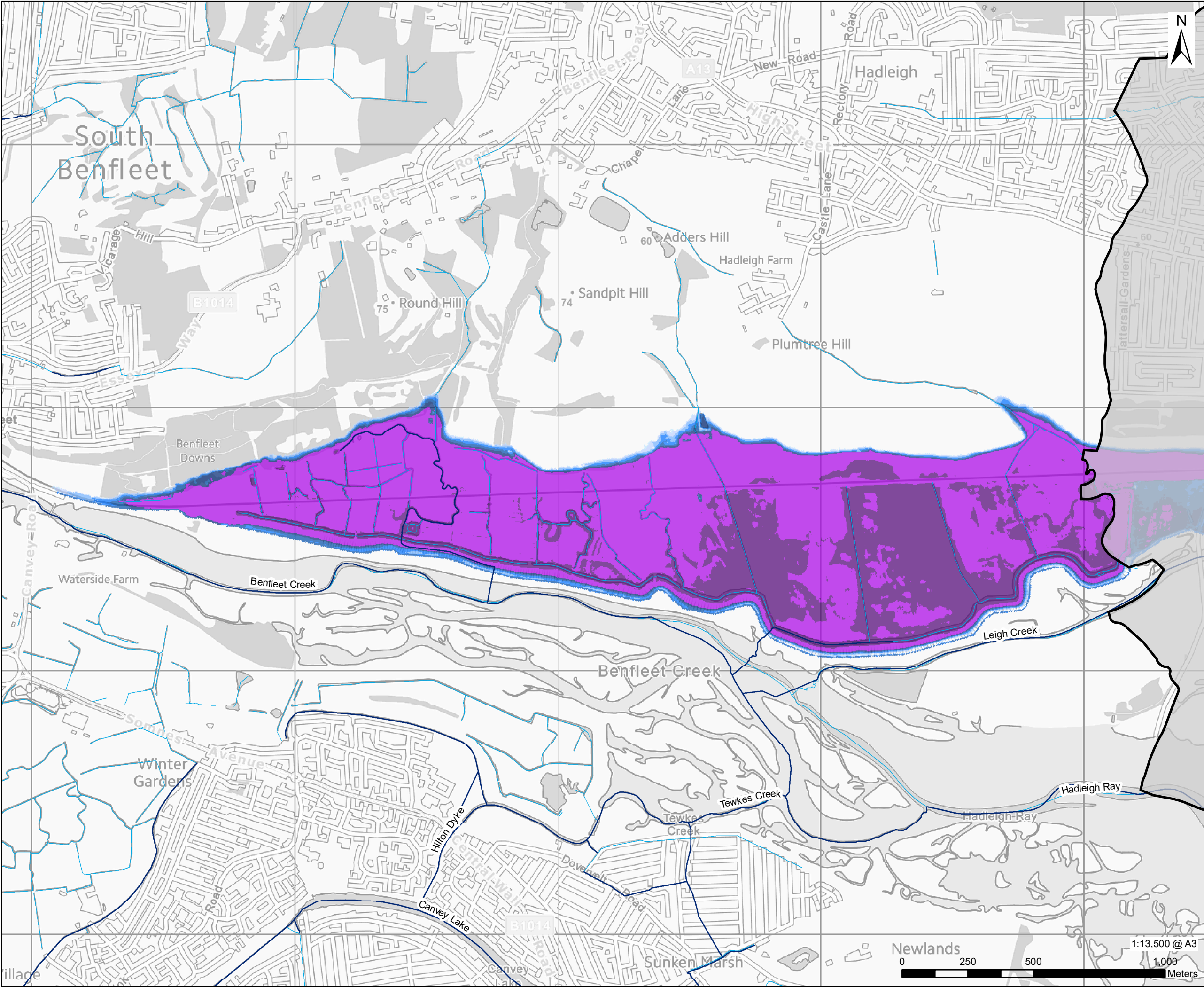
PROJECT NUMBER
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MAP TITLE
Risk of Overtopping 1000YR (0.1% AEP) 2125 + Higher Central Climate Change Allowance: Maximum Hazard Rating

MAP NUMBER
Appendix C Map 10

1:13,500 @ A3

0 250 500 1,000 Meters



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LEGEND

Castle Point Borough Council

EA Main River

Watercourse

**Maximum Depth (m): 0.1% AEP 2125
Upper End**

0 to 0.1

0.1 to 0.5

0.5 to 1

1 to 1.5

1.5 to 2

2 to 2.5

2.5 to 5

5+

EXTENT INDICATOR

NOTES

1: This map shows the predicted maximum flooding depth during a 1000yr 2125 overtopping scenario including an upper end climate change allowance.

2: Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

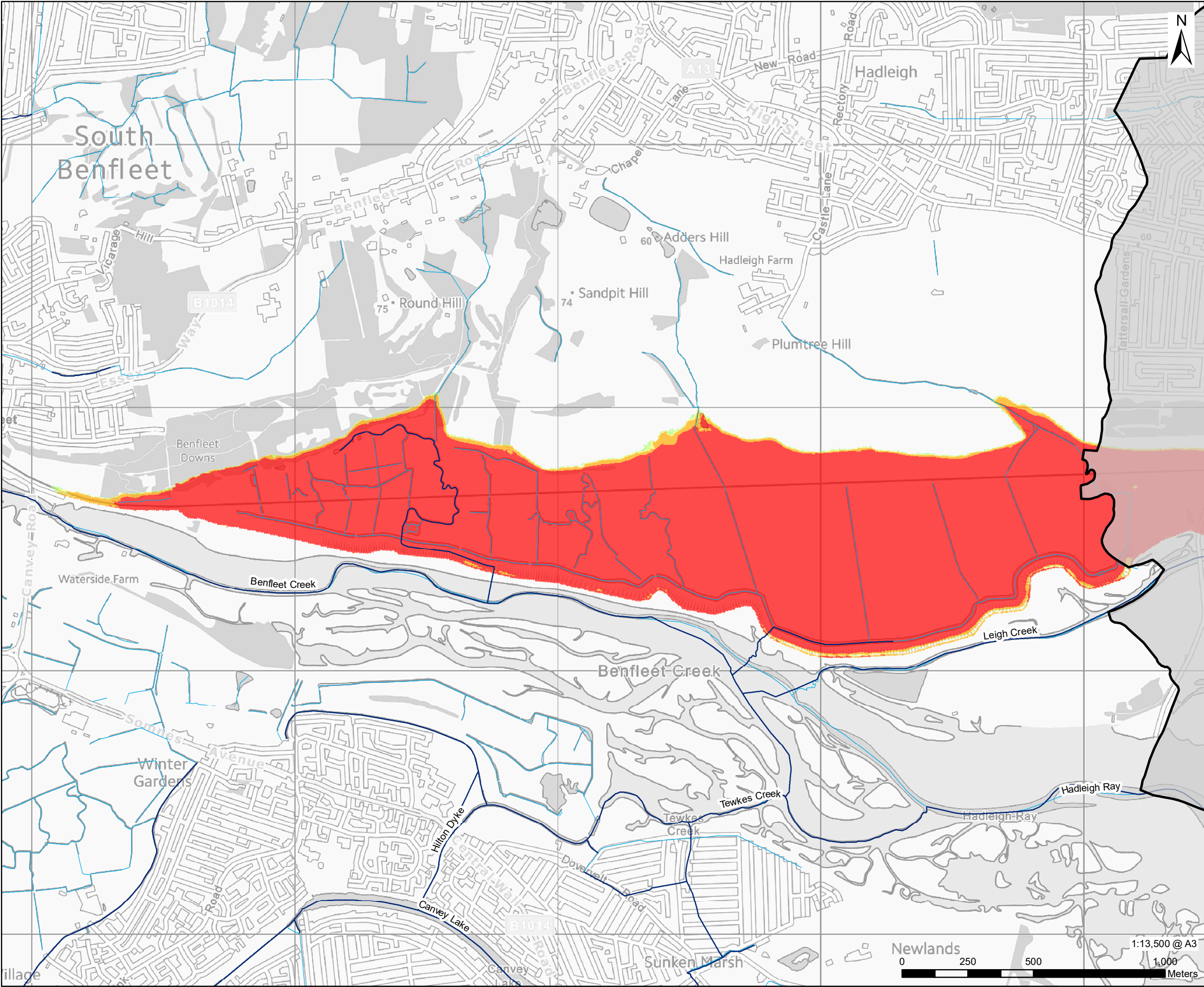
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MAP TITLE
Risk of Overtopping 1000YR (0.1% AEP) 2125 + Upper End Climate Change Allowance: Maximum Depth

MAP NUMBER
Appendix C Map 11



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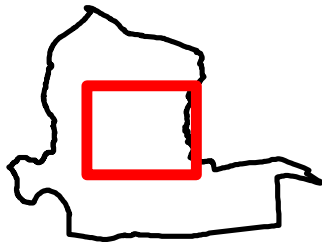
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LEGEND

- Castle Point Borough Council
- EA Main River
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- Maximum Hazard Rating: 0.1% AEP
2125 Upper End**
- Low
- Moderate
- Significant
- Extreme

EXTENT INDICATOR



NOTES

- This map shows the predicted maximum hazard rating during a 1000yr 2125 overtopping scenario including an upper end allowance for climate change.
- Refer to the SFRA report for details of the tidal modelling methodology, assumptions and limitations.

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MAP TITLE

Risk of Overtopping 1000YR (0.1% AEP) 2125 + Upper End Climate Change Allowance: Maximum Hazard Rating

MAP NUMBER

Appendix C Map 12

0 250 500 1,000 Meters
1:13,500 @ A3

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