

Flood risk assessment data



Location of site: 564911 / 174412 (shown as easting and northing coordinates)

Document created on: 1 August 2025

This information was previously known as a product 4.

Customer reference number: WYC6V29RR2BG

Map showing the location that flood risk assessment data has been requested for.



How to use this information

You can use this information as part of a flood risk assessment for a planning application. To do this, you should include it in the appendix of your flood risk assessment.

We recommend that you work with a flood risk consultant to get your flood risk assessment.

Included in this document

In this document you'll find:

- how to find information about surface water and other sources of flooding
- information on the models used
- definitions for the terminology used throughout
- flood map for planning (rivers and the sea)
- past floods
- flood defences and attributes
- information to help you assess if there is a reduced flood risk from rivers and the sea because of defences
- modelled data
- information about strategic flood risk assessments
- information about this data
- information about flood risk activity permits
- help and advice

Surface water and other sources of flooding

When using the surface water map on the [check your long term flood risk service](#) the following considerations apply:

- surface water extents are suitable for use in planning
- surface water climate change scenarios may help to inform risk assessments, but the available data fall short of what is required to assess planned development
- surface water depth information should not be used for planning purposes

To find out about other factors that might affect the flood risk of this location, you should also check:

- [reservoir flood risk](#)
- groundwater flood risk - you could use the [British Geological Survey groundwater flooding data](#), [groundwater: current status and flood risk](#) and the guide on [mining and groundwater constraints for development](#) - further information may be available from the lead local flood authority (LLFA)
- your local planning authority's SFRA, which includes future flood risk

Your Lead Local Flood Authority is Kent County.

For information about sewer flooding, contact the relevant water company for the area.

About the models used

Model name: North Kent Coast 2018 Domain1

Scenario(s): Defended tidal, defences removed tidal, defended climate change tidal, defences removed climate change tidal

Date: 30 June 2018

Model name: Tilbury 2015

Scenario(s): Defended fluvial, defended climate change fluvial

Date: 10 January 2017

These models contain the most relevant data for your area of interest.

Terminology used

Annual exceedance probability (AEP)

This refers to the probability of a flood event occurring in any year. The probability is expressed as a percentage. For example, a large flood which is calculated to have a 1% chance of occurring in any one year, is described as 1% AEP.

Metres above ordnance datum (mAOD)

All flood levels are given in metres above ordnance datum which is defined as the mean sea level at Newlyn, Cornwall.

Flood map for planning (rivers and the sea)

Your selected location is in flood zone 3.

Flood zone 3 shows the area at risk of flooding for an undefended flood event with a:

- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- between a 0.1% and 0.5% probability of occurring in any year for flooding from the sea
- between a 0.1% and 1% probability of occurring in any year for fluvial (river) flooding

It's important to remember that the flood zones on this map:

- refer to the land at risk of flooding and do not refer to individual properties
- refer to the probability of river and sea flooding, ignoring the presence of defences
- do not take into account potential impacts of climate change



Flood map for planning

Location (easting/northing)
564911/174412

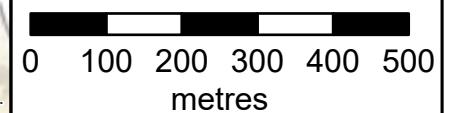
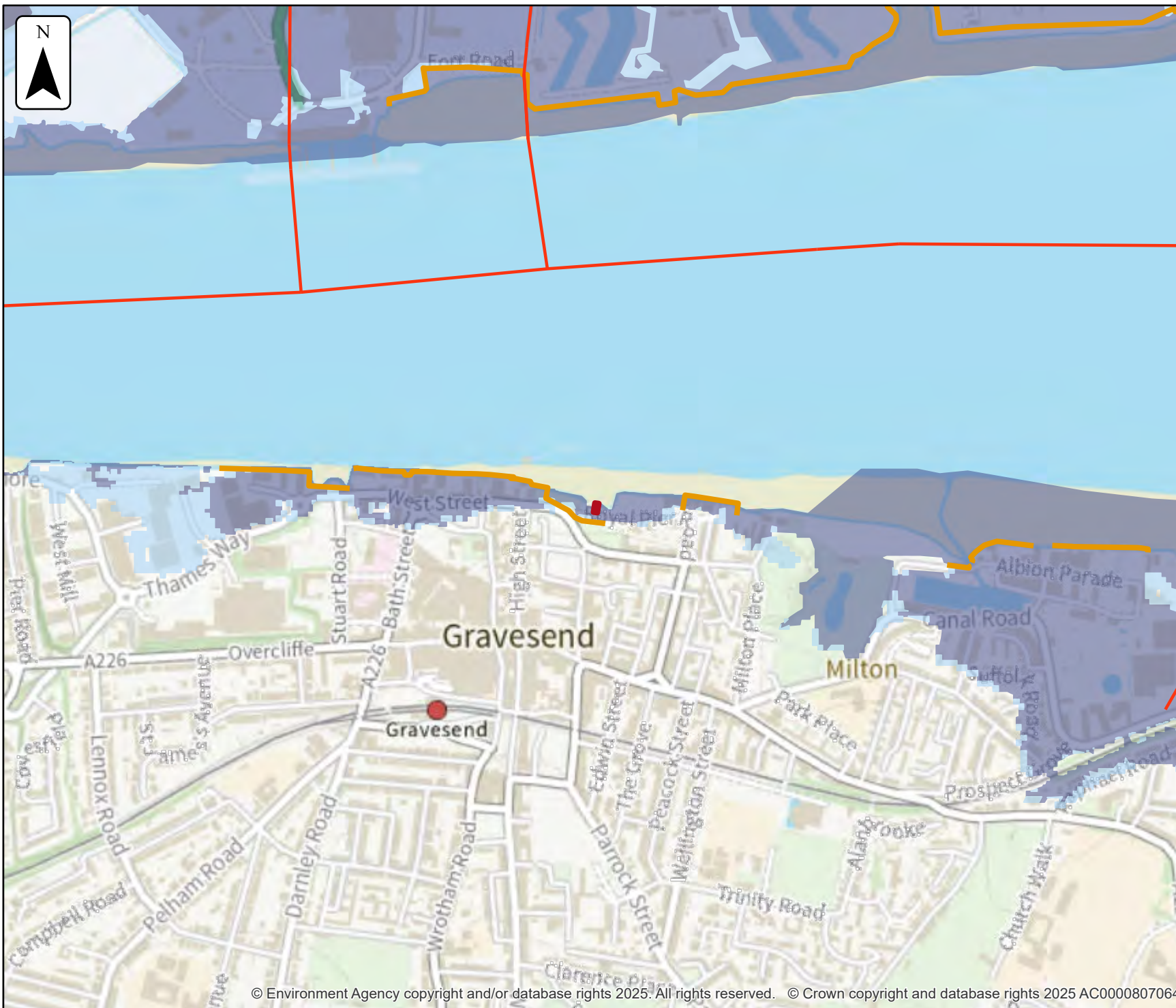
Scale

1:10,000

Created

1 Aug 2025

-  Selected area
-  Main river
-  Flood defence
-  Flood Zone 3
-  Flood Zone 2



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Past floods

Past flood events included in this document

The recorded flood outlines included in this document are for areas of land local to your site location that have been flooded by any of these sources:

- ephemeral water
- main rivers
- ordinary watercourses
- the sea
- unknown

Data limitations

The outlines do not include flooding from:

- drainage where rainfall has led to surface water ponding or overland runoff
- artificial, water-bearing sewer, water supply and wastewater treatment pipelines

Changes to flood defences

The defences (also known as assets) that were in place may also have changed. For example, assets may have been built more recently than the last recorded flood outline.

What the recorded flood outlines dataset is

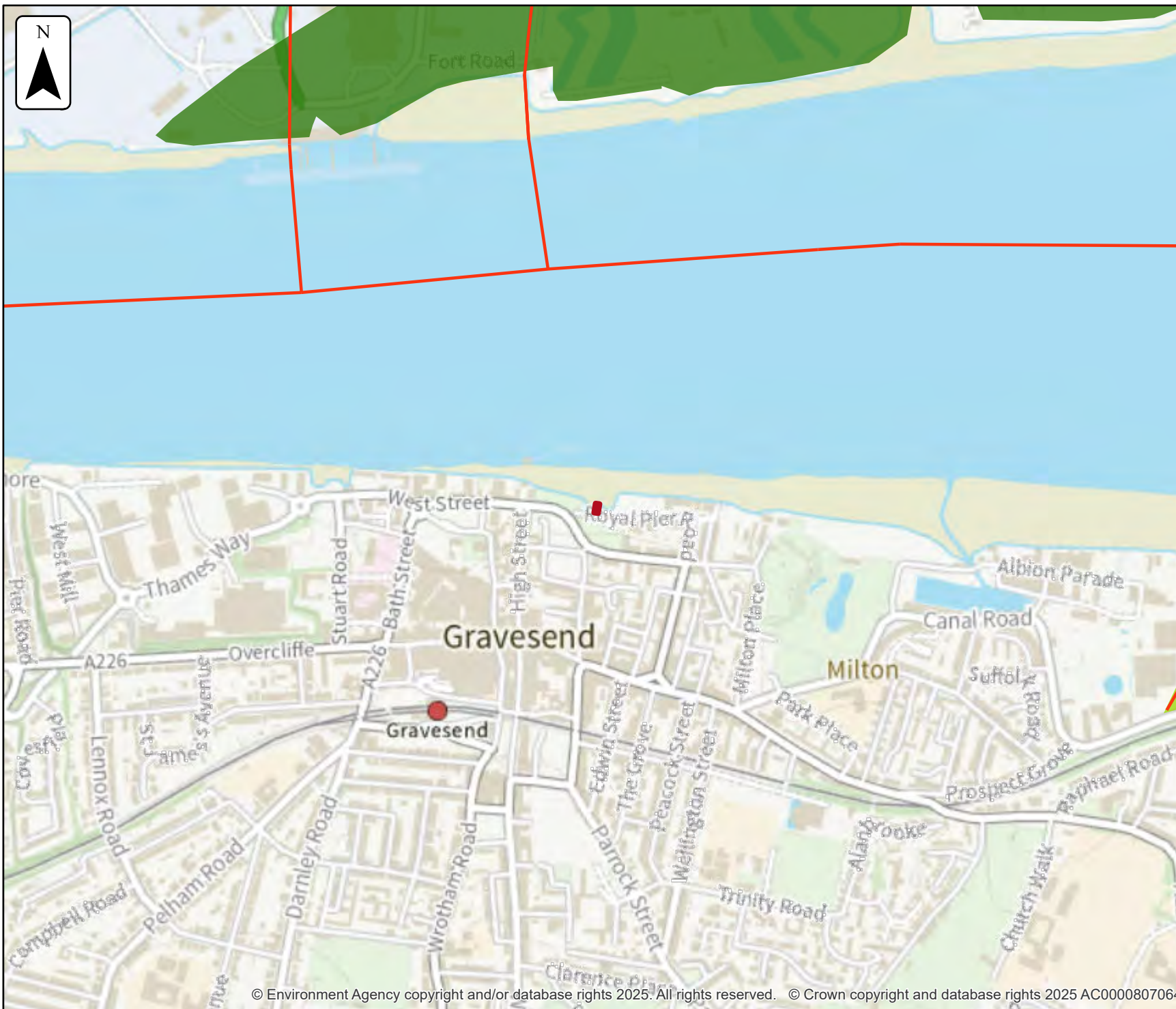
The recorded flood outlines are a geographical information system (GIS) data layer that show our verified records of areas that have flooded in the past from:

- rivers
- the sea
- groundwater
- surface water

[Download the complete recorded flood outlines dataset](#), which includes data quality flags for outlines recorded after April 2020. This indicates the confidence we have in an outline.

Get flood information from other organisations

Contact Kent County Lead Local Flood Authority (LLFA) and your drainage board to get information about past flooding caused by surface water or drainage systems.



Past floods

Location (easting/northing)
564911/174412

Scale
1:10,000

Created
1 Aug 2025

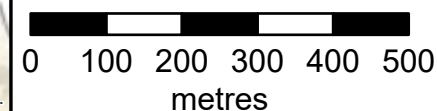
 Selected area

 Main river

Date of flood event

 September, 1968

 January, 1953



Data on past flood events

Start date	End date	Source of flood	Cause of flood	Affects location
14 September 1968	14 September 1968	main river	channel capacity exceeded (no raised defences)	No
31 January 1953	1 February 1953	sea	overtopping of defences	No

Flood defences and attributes

The flood defences map shows the location of the flood defences present.

The flood defences data table shows the type of defences, their condition and the standard of protection. It shows the height above sea level of the top of the flood defence (crest level). The height is in mAOD which is the metres above the mean sea level at Newlyn, Cornwall.

It's important to remember that flood defence data may not be updated on a regular basis. The information here is based on the best available data.

Use this information:

- to help you assess if there is a reduced flood risk for this location because of defences
- with any information in the modelled data section to find out the impact of defences on flood risk



Flood defences

Location (easting/northing)
564911/174412

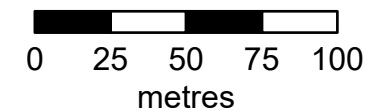
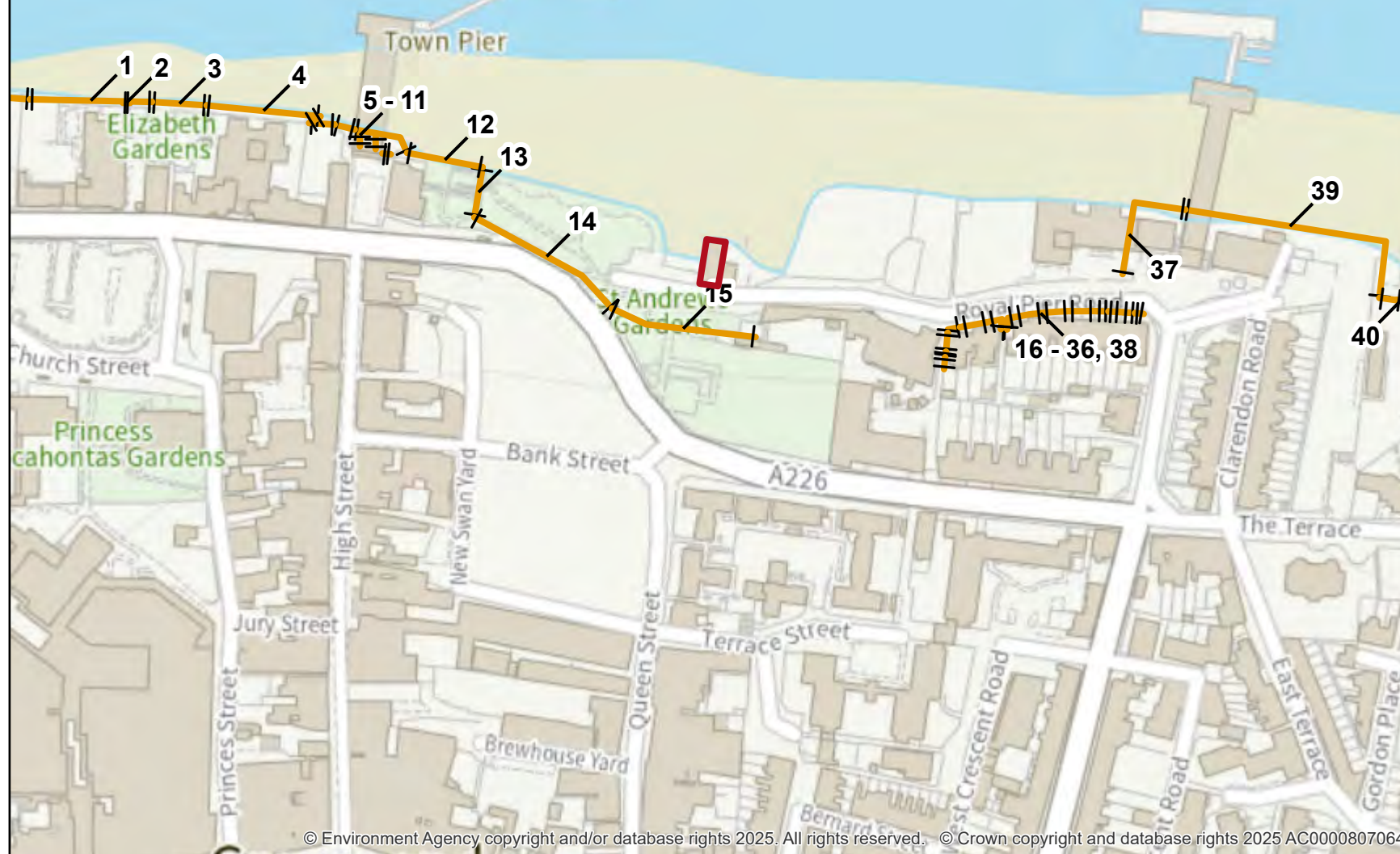
Scale

1:2,500

Created

1 Aug 2025

-  Selected area
-  Main river
-  Flood defence



Flood defences data

Label	Asset ID	Asset Type	Standard of protection (years)	Current condition	Downstream actual crest level (mAOD)	Upstream actual crest level (mAOD)	Effective crest level (mAOD)
1	140010	Wall	1000	Fair	6.75	6.75	6.75
2	330334	Flood Gate	1000	Good	3.64	3.64	3.64
3	136471	Wall	1000	Poor	6.74	6.74	6.74
4	136472	Wall	1000	Poor	6.78	6.78	6.78
5	141248	Wall	1000	Fair	6.77	6.77	6.77
6	136469	Wall	1000	Fair	6.77	6.77	6.77
7	136470	Wall	1000	Fair	6.77	6.77	6.77
8	331569	Flood Gate		Good	4.74	4.74	4.74
9	331958	Flood Gate		Good	4.81	4.81	4.81
10	127785	Wall	1000	Poor	5.74	5.74	5.74

Any blank cells show where a particular value has not been recorded for an asset.

Label	Asset ID	Asset Type	Standard of protection (years)	Current condition	Downstream actual crest level (mAOD)	Upstream actual crest level (mAOD)	Effective crest level (mAOD)
11	331957	Flood Gate			4.81	4.81	4.81
12	59306	Wall	1000	Fair	6.18	6.18	6.18
13	136473	Wall	1000	Fair	6.76	6.76	6.76
14	136474	Wall	1000	Good	6.50	6.50	6.50
15	139209	Engineered High Ground	1000	Good			8.0
16	789800	Wall	1000	Fair	6.80	6.80	6.80
17	789799	Wall	1000	Fair	6.80	6.80	6.80
18	789798	Wall	1000	Fair	6.80	6.80	6.80
19	110301	Wall	1000	Fair	6.73	6.73	6.73
20	332234	Flood Gate	1000	Good	6.80	6.80	6.80

Any blank cells show where a particular value has not been recorded for an asset.

Label	Asset ID	Asset Type	Standard of protection (years)	Current condition	Downstream actual crest level (mAOD)	Upstream actual crest level (mAOD)	Effective crest level (mAOD)
21	789405	Wall	1000	Good	6.73	6.73	6.73
22	332233	Flood Gate	1000	Good	6.80	6.80	6.80
23	789523	Wall	1000	Fair	6.73	6.73	6.73
24	332077	Flood Gate	1000	Good	6.80	6.80	6.80
25	789531	Wall	1000	Fair	6.73	6.73	6.73
26	332076	Flood Gate	1000	Good	6.80	6.80	6.80
27	789654	Wall	1000	Fair	6.73	6.73	6.73
28	332075	Flood Gate	1000	Good	6.80	6.80	6.80
29	789666	Wall	1000	Fair	6.73	6.73	6.73
30	332074	Flood Gate	1000	Very good	6.80	6.80	6.80

Any blank cells show where a particular value has not been recorded for an asset.

Label	Asset ID	Asset Type	Standard of protection (years)	Current condition	Downstream actual crest level (mAOD)	Upstream actual crest level (mAOD)	Effective crest level (mAOD)
31	789667	Wall	1000	Fair	6.73	6.73	6.73
32	332073	Flood Gate	1000	Very good	6.80	6.80	6.80
33	789668	Wall	1000	Fair	6.73	6.73	6.73
34	789729	Wall	1000	Fair	6.73	6.73	6.73
35	332072	Flood Gate	1000	Good	7.30	7.30	7.30
36	789732	Wall	1000	Fair	6.73	6.73	6.73
37	136475	Wall	1000	Good	6.58	6.58	6.58
38	789738	Wall	1000	Fair	6.73	6.73	6.73
39	127783	Wall	1000	Good	6.66	6.66	6.66
40	332235	Flood Gate		Good	4.11	4.11	4.11

Any blank cells show where a particular value has not been recorded for an asset.

Modelled data

This section provides details of different scenarios we have modelled and includes the following (where available):

- outline maps showing the area at risk from flooding in different modelled scenarios
- modelled node point map(s) showing the points used to get the data to model the scenarios and table(s) providing details of the flood risk for different return periods
- map(s) showing the approximate water levels for the return period with the largest flood extent for a scenario and table(s) of sample points providing details of the flood risk for different return periods

Climate change

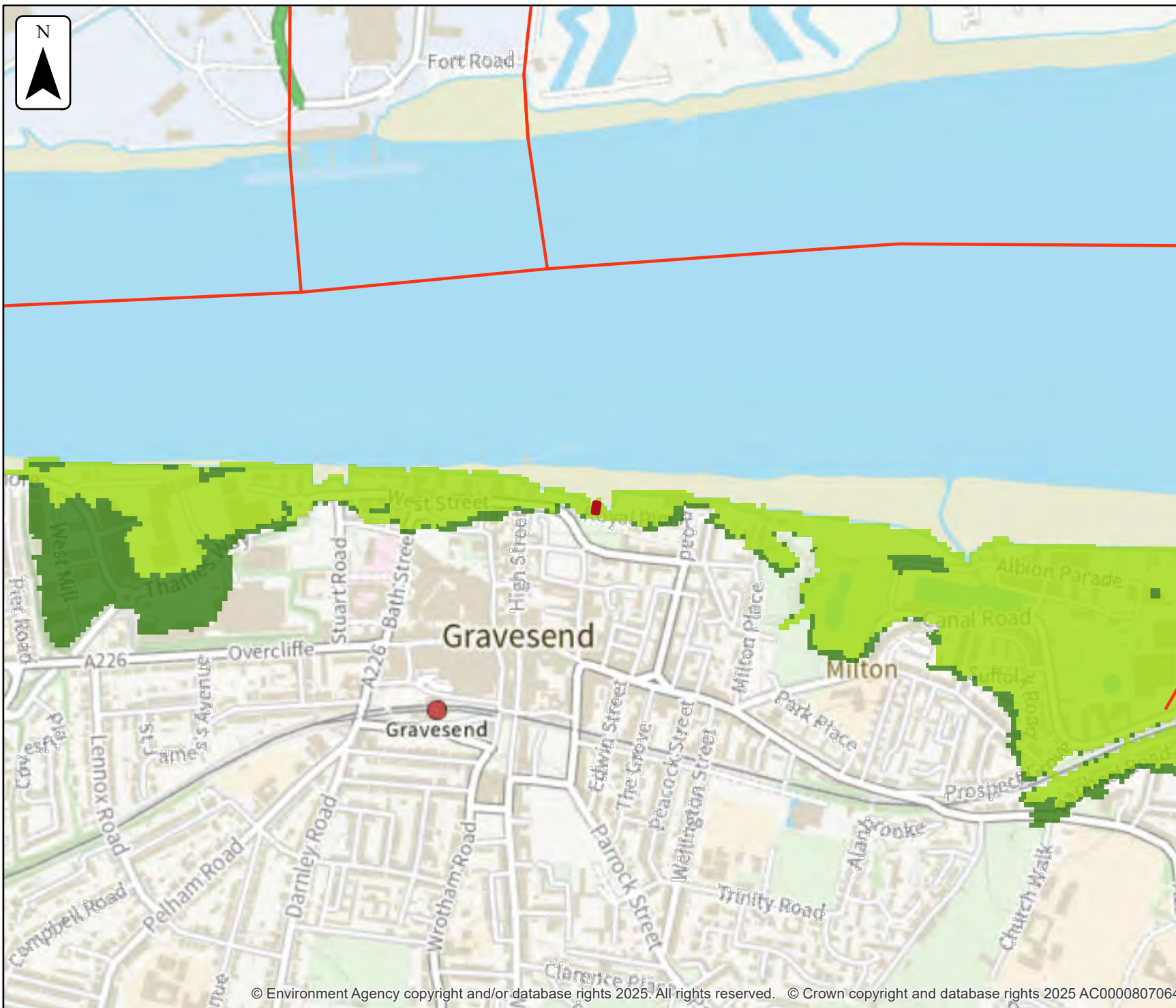
The climate change data included in the models may not include the latest [flood risk assessment climate change allowances](#). Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

The Environment Agency will incorporate the new allowances into future modelling studies. For now, it's your responsibility to demonstrate that new developments will be safe in flood risk terms for their lifetime.

Modelled scenarios

The following scenarios are included:

- Defended modelled fluvial: risk of flooding from rivers where there are flood defences
- Defended modelled tidal: risk of flooding from the sea where there are flood defences
- Defences removed modelled tidal: risk of flooding from the sea where flood defences have been removed
- Defended climate change modelled fluvial: risk of flooding from rivers where there are flood defences, including estimated impact of climate change
- Defended climate change modelled tidal: risk of flooding from the sea where there are flood defences, including estimated impact of climate change
- Defences removed climate change modelled tidal: risk of flooding from the sea where flood defences have been removed, including estimated impact of climate change



Defences removed climate change modelled tidal extent

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

 Selected area

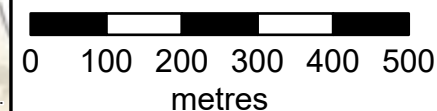
 Main river

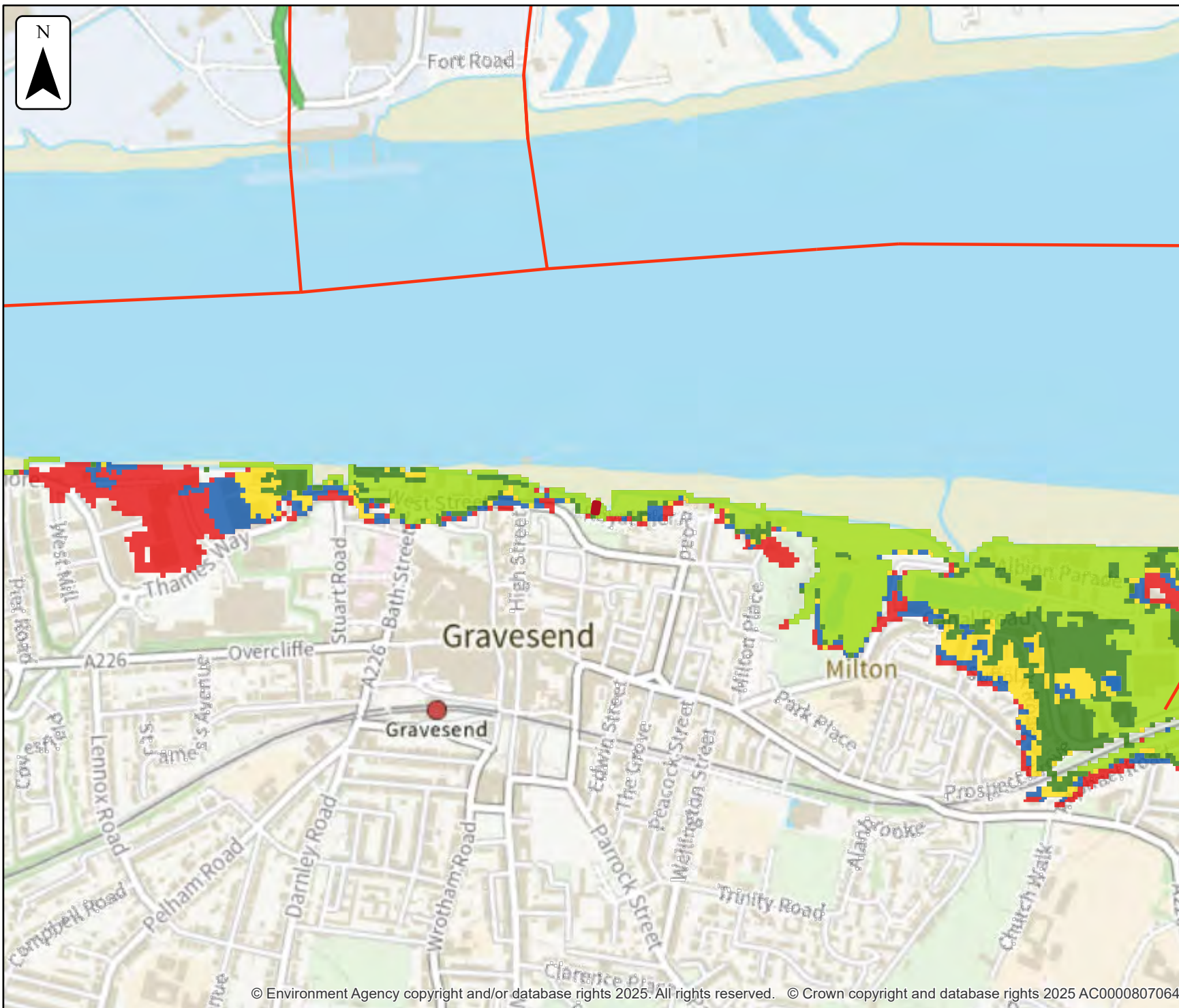
Modelled flood extent

 0.5% AEP (+50mm)

 0.5% AEP (+95mm)

Flood extents may not be
visible where they overlap
other return periods





Defences removed modelled tidal extent

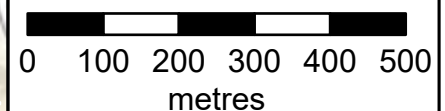
Location (easting/northing)
564911/174412

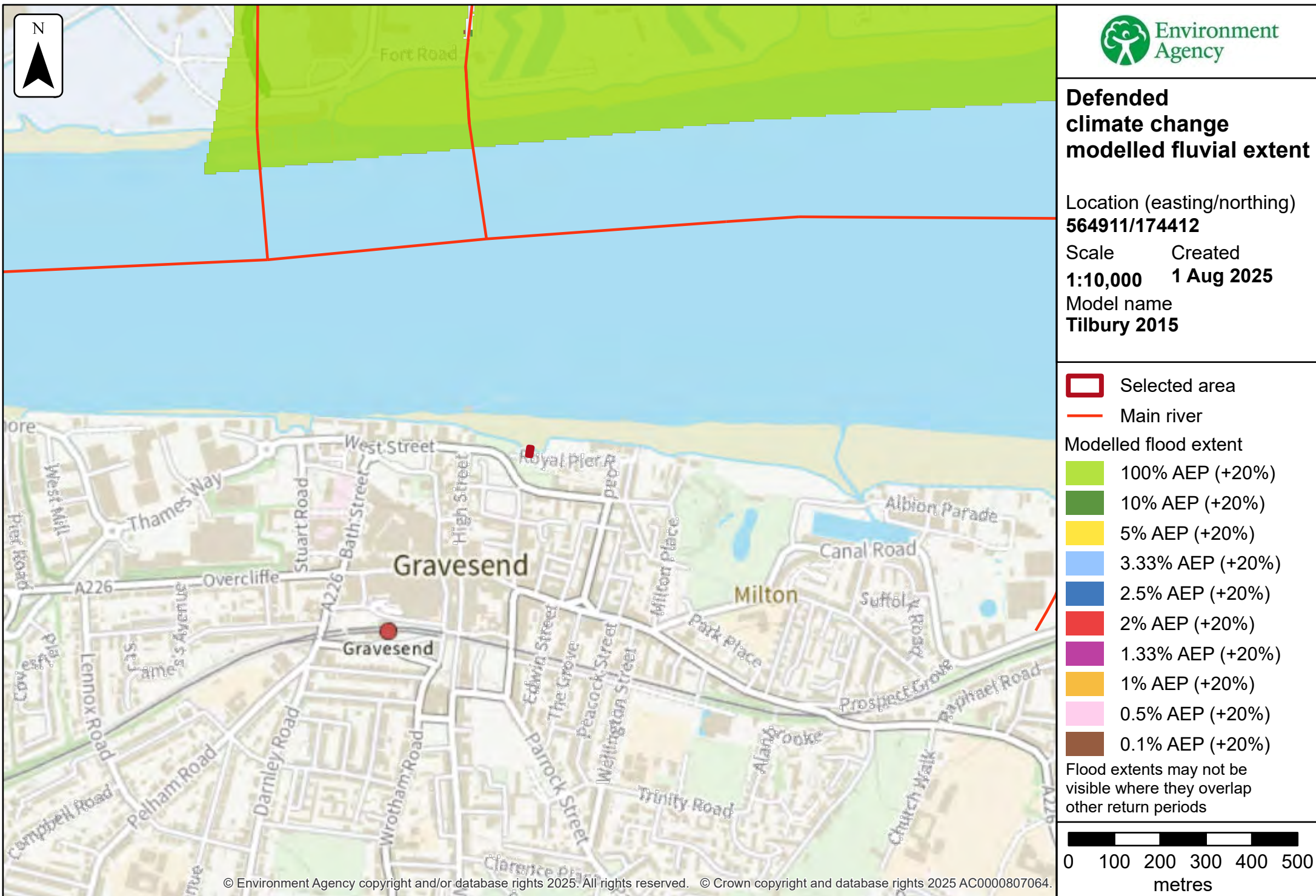
Scale Created
1:10,000 1 Aug 2025

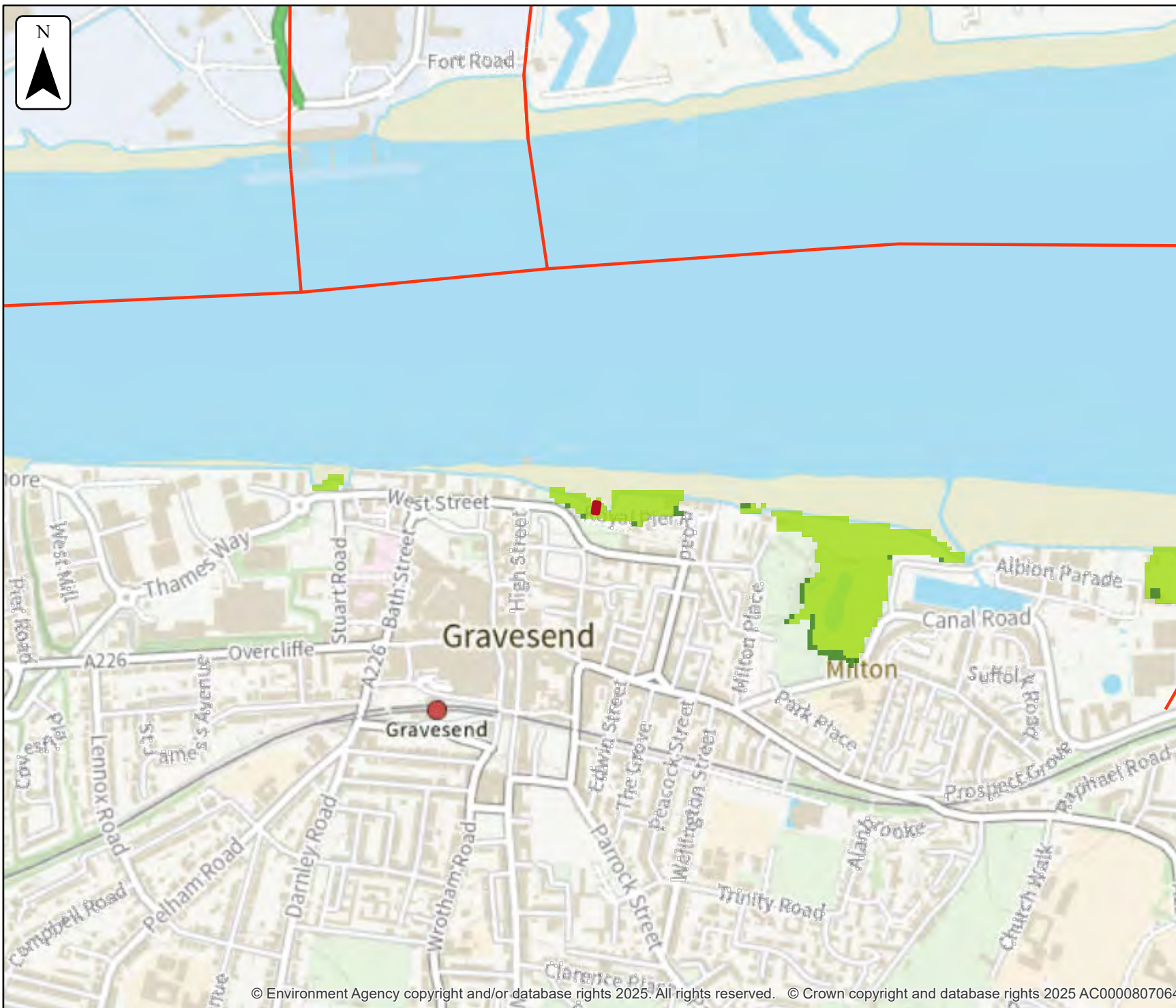
Model name
**North Kent Coast
Domain1**

-  Selected area
-  Main river
- Modelled flood extent
-  5% AEP
 -  2% AEP
 -  1.33% AEP
 -  0.5% AEP
 -  0.1% AEP

Flood extents may not be
visible where they overlap
other return periods







Defended climate change modelled tidal extent

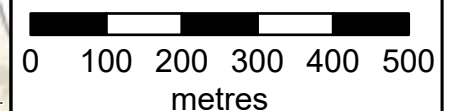
Location (easting/northing)
564911/174412

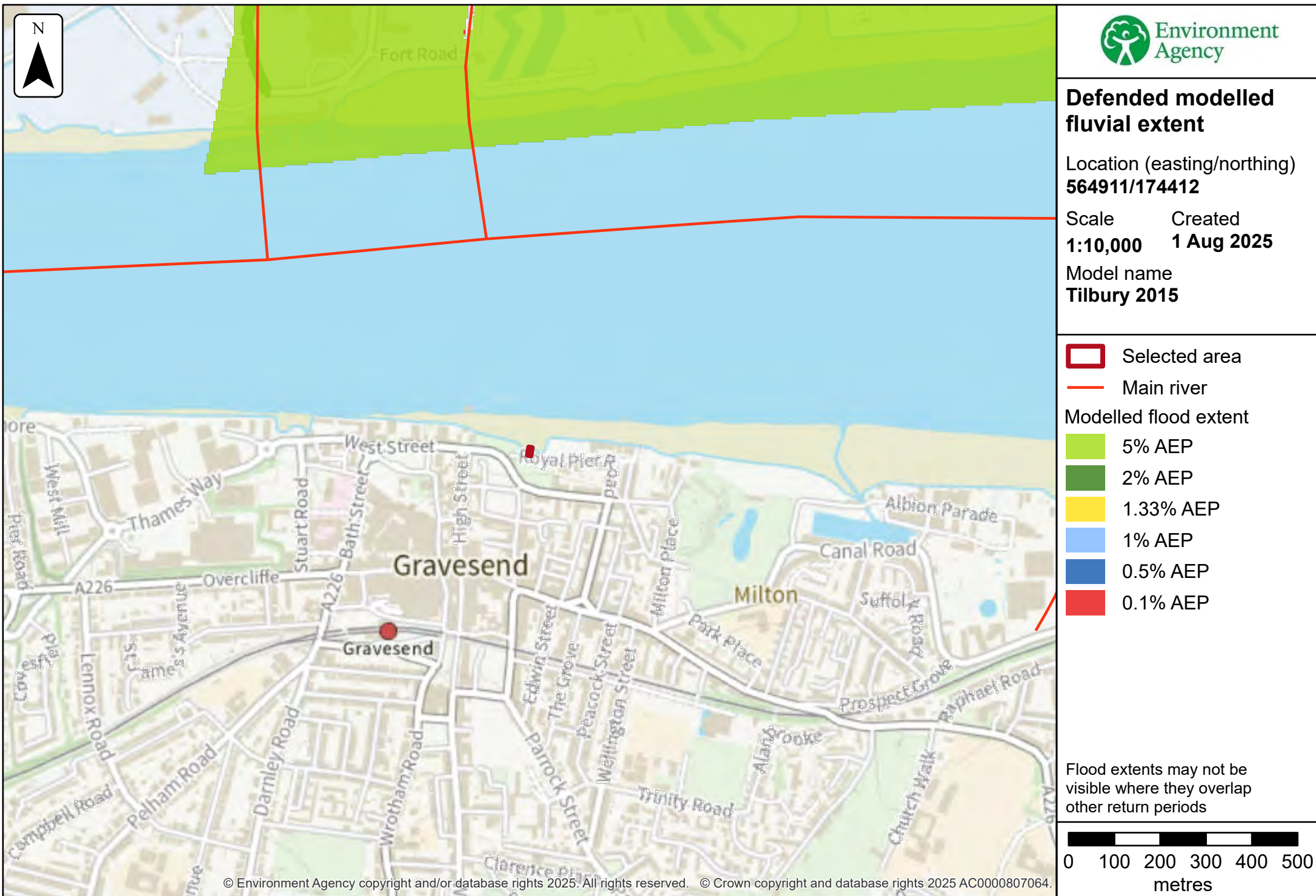
Scale Created
1:10,000 1 Aug 2025

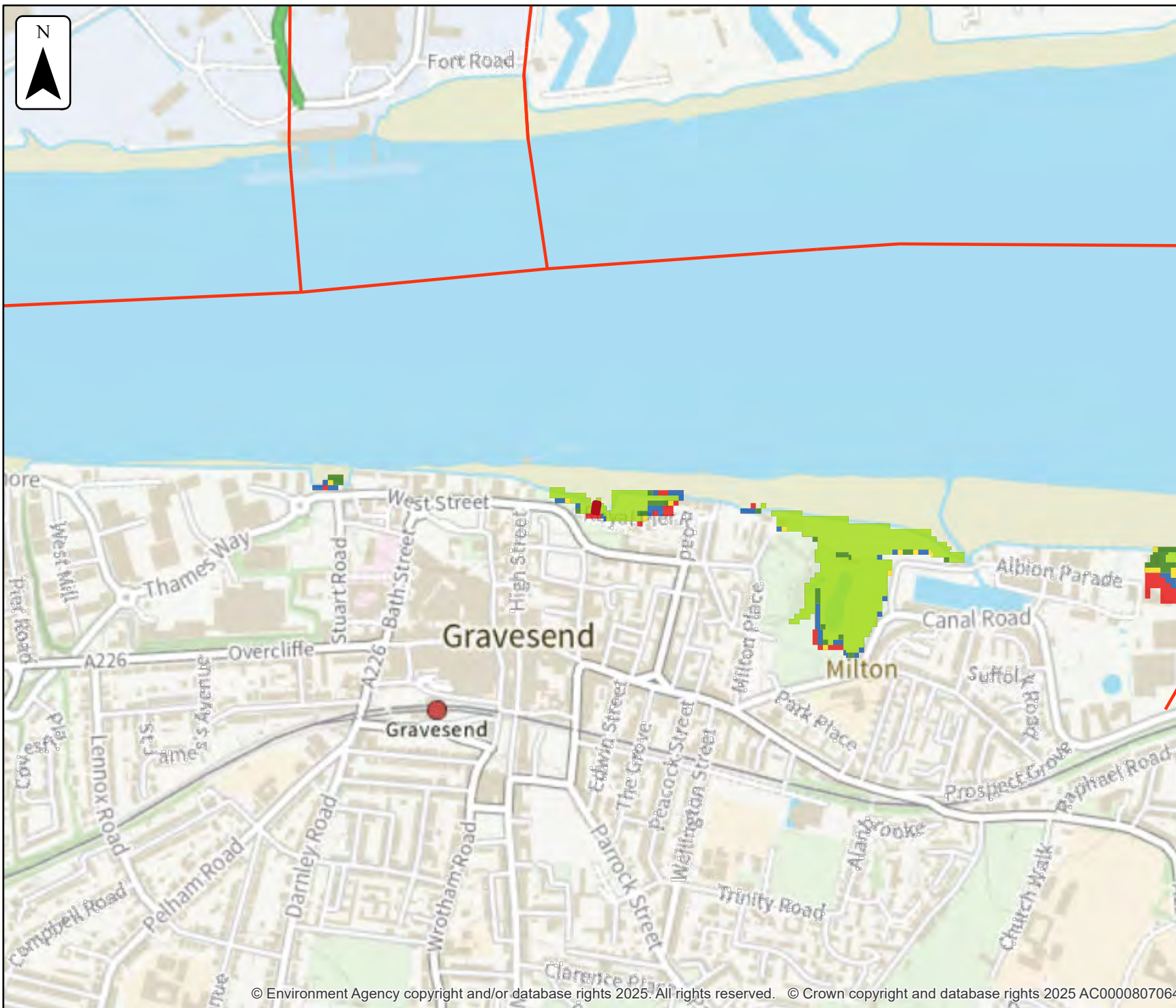
Model name
**North Kent Coast
Domain1**

-  Selected area
-  Main river
- Modelled flood extent
 -  0.5% AEP (+50mm)
 -  0.5% AEP (+95mm)

Flood extents may not be
visible where they overlap
other return periods







Defended modelled tidal extent

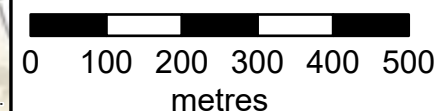
Location (easting/northing)
564911/174412

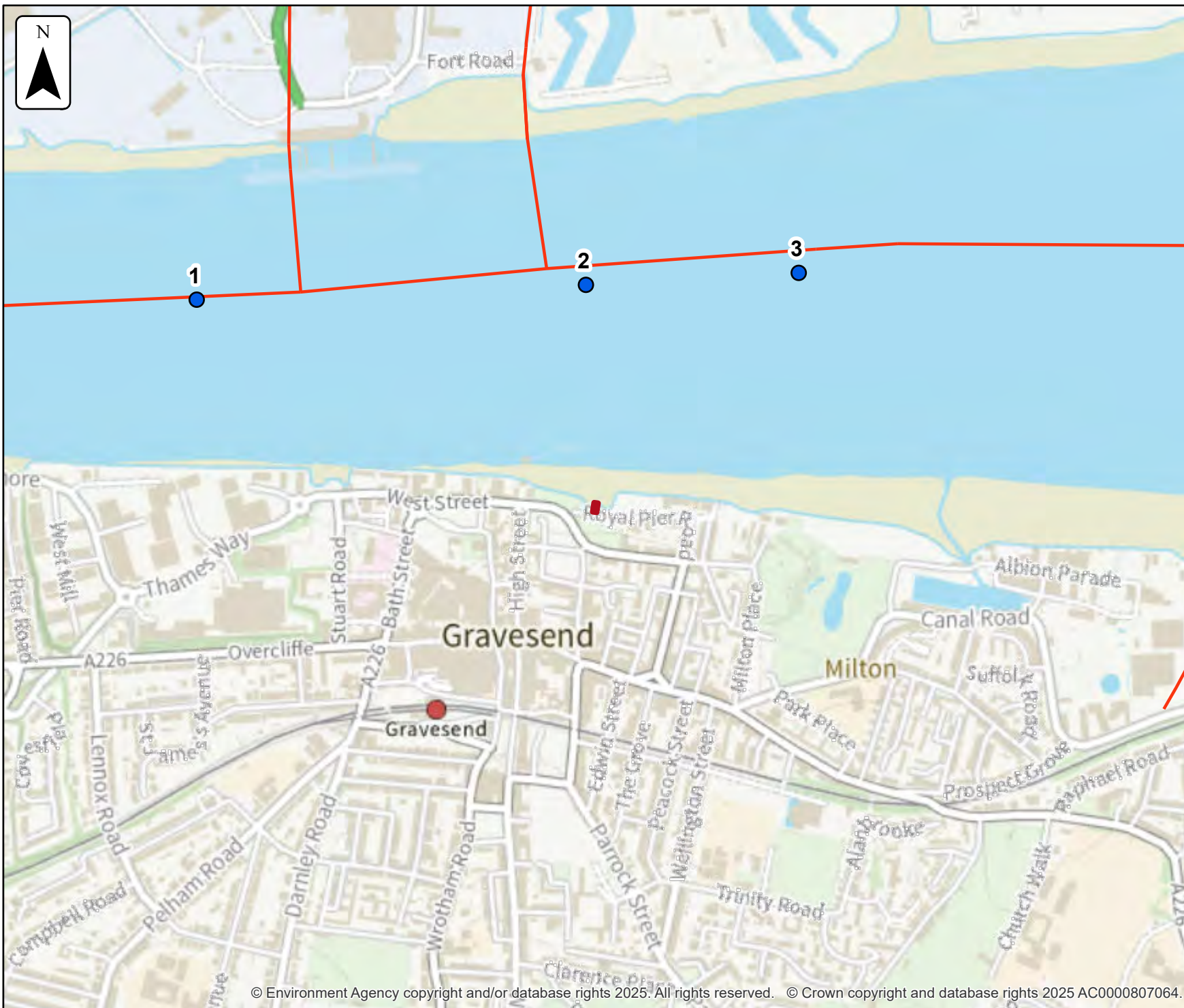
Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

- Selected area
- Main river
- Modelled flood extent
- 5% AEP
- 2% AEP
- 1.33% AEP
- 0.5% AEP
- 0.1% AEP

Flood extents may not be
visible where they overlap
other return periods





Defences removed climate change modelled tidal node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

-  Selected area
-  Modelled location
-  Main river

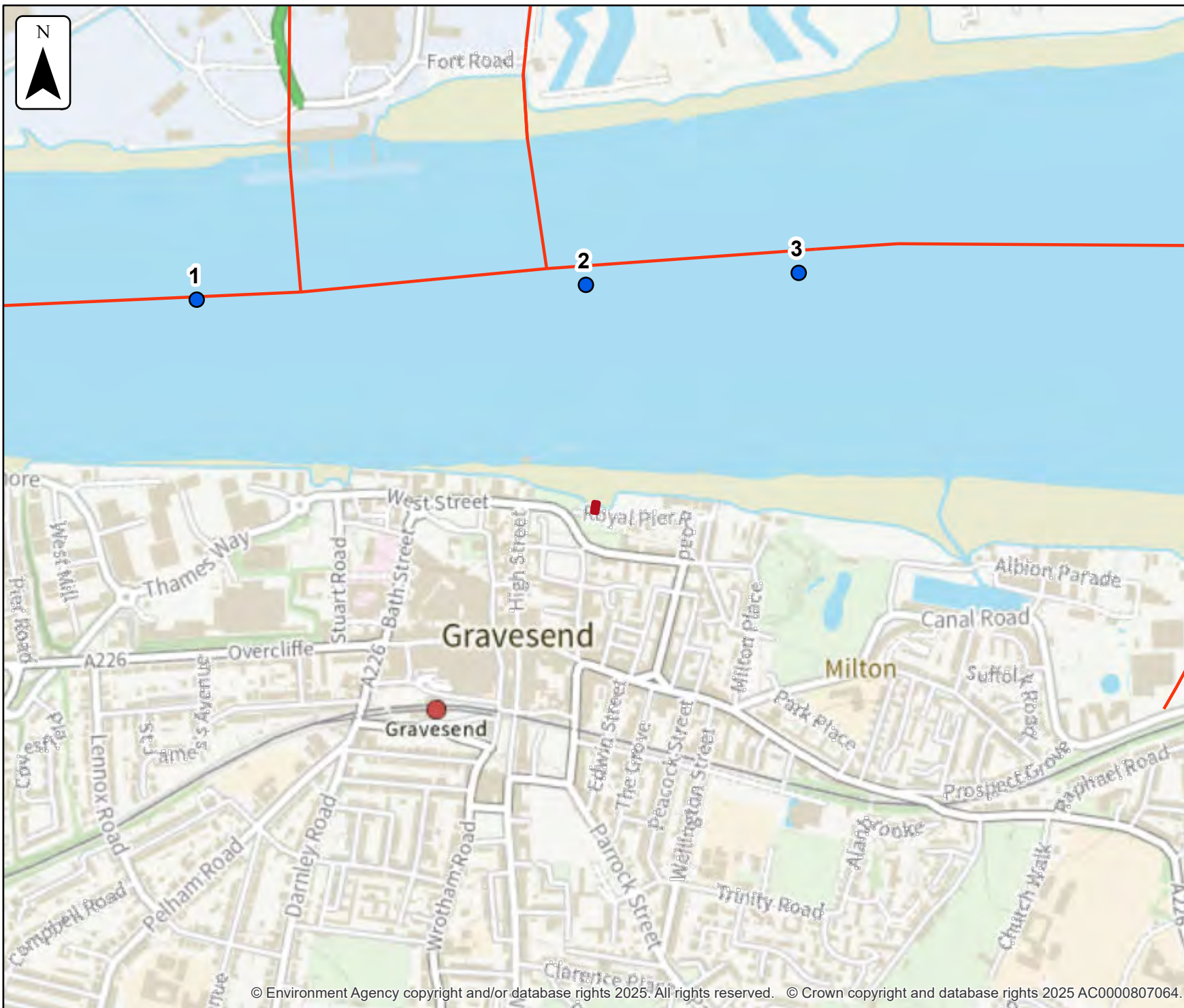
0 100 200 300 400 500
metres

Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
				Level	Level	Flow	Flow
1	957778	564137	174816	5.61	6.36	14178.30	14492.84
2	957802	564893	174844	5.70	6.32	14545.09	14900.11
3	957800	565306	174868	5.69	5.95	14789.52	14993.34

Data in this table comes from the North Kent Coast 2018 Domain1 model.
 Level values are shown in mAOD, and flow values are shown in cubic metres per second.
 Any blank cells show where a particular scenario has not been modelled for this location.



Defences removed modelled tidal node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

- Selected area
- Modelled location
- Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defences removed

Label	Modelled location ID	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level
1	957778	564137	174816	4.54	4.79	4.86	5.04	5.13	5.38	5.72
2	957802	564893	174844	4.51	4.77	4.83	5.0	5.10	5.35	5.67
3	957800	565306	174868	4.50	4.77	4.82	4.99	5.08	5.34	5.65

Data in this table comes from the North Kent Coast 2018 Domain1 model.

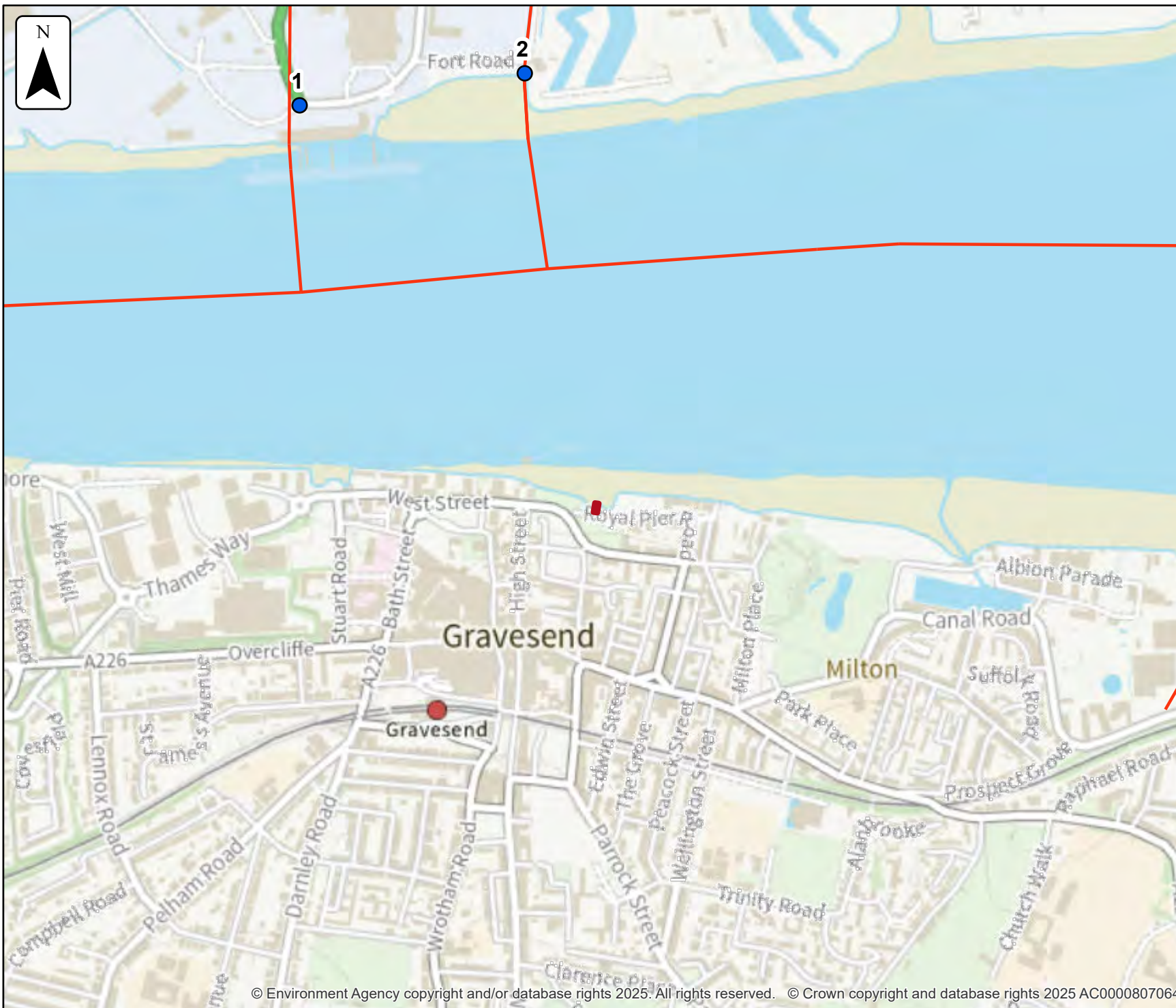
Level values are shown in mAOD, and flow values are shown in cubic metres per second.

Any blank cells show where a particular scenario has not been modelled for this location.

Defences removed

Label	Modelled location ID	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	957778	564137	174816	14020.19	13322.30	13928.77	13573.81	14178.68	14775.18	14419.19
2	957802	564893	174844	14339.23	13687.03	14202.34	13929.69	14595.61	15112.20	14725.19
3	957800	565306	174868	14551.51	13935.04	14362.77	14188.06	14851.45	15336.90	14916.51

Data in this table comes from the North Kent Coast 2018 Domain1 model.
 Level values are shown in mAOD, and flow values are shown in cubic metres per second.
 Any blank cells show where a particular scenario has not been modelled for this location.



Defended climate change modelled fluvial node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
Tilbury 2015

-  Selected area
-  Modelled location
-  Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	100% AEP (+20%)	10% AEP (+20%)	5% AEP (+20%)	3.33% AEP (+20%)	2.5% AEP (+20%)	2% AEP (+20%)	1.33% AEP (+20%)	1% AEP (+20%)	0.5% AEP (+20%)	0.1% AEP (+20%)
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1332097	564336	175193	0.92	1.44	1.57	1.64	1.69	1.73	1.84	1.90	2.07	2.29
2	1332095	564772	175255	0.83	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.28

Data in this table comes from the Tilbury 2015 model.

Level values are shown in mAOD, and flow values are shown in cubic metres per second.

Any blank cells show where a particular scenario has not been modelled for this location.

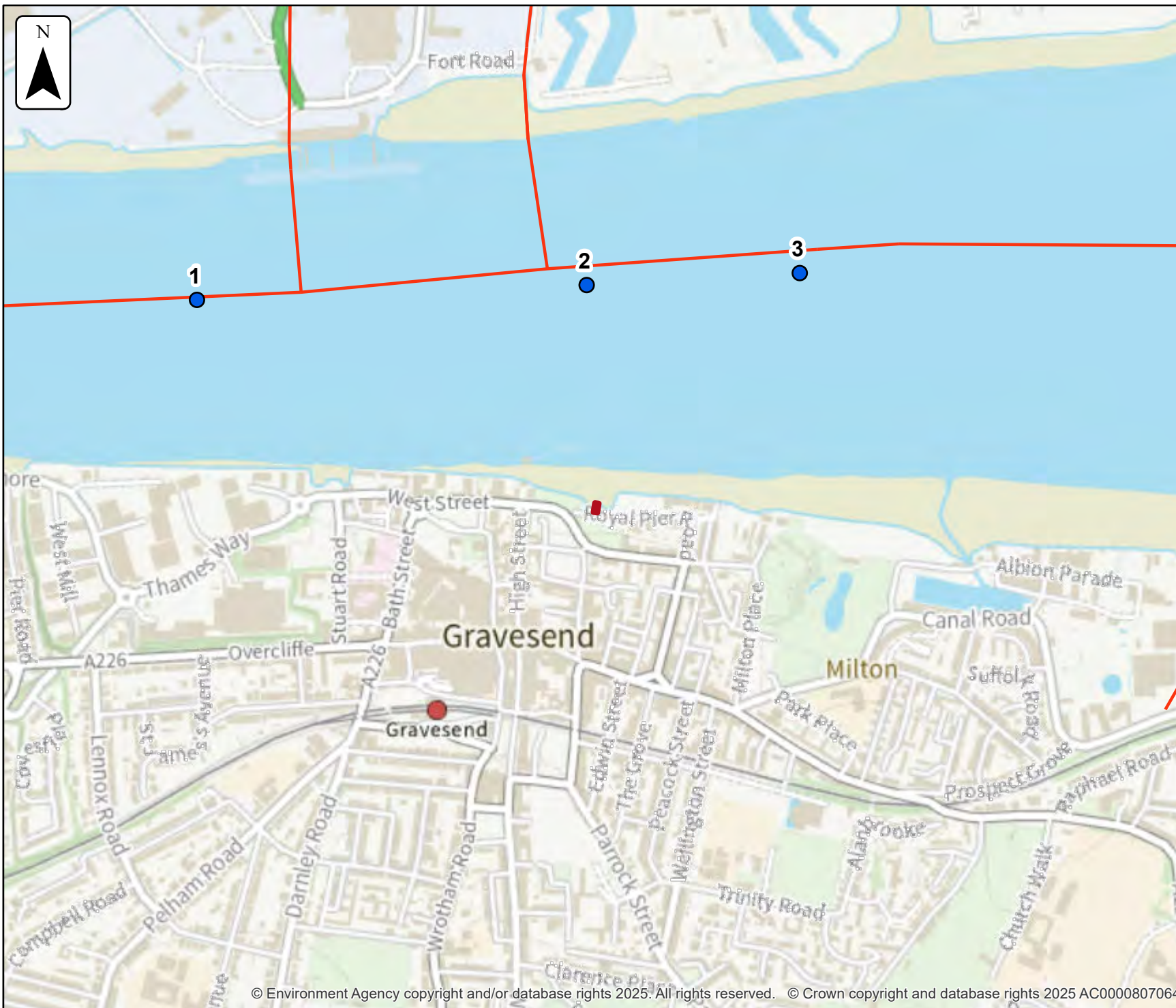
Defended climate change

Label	Modelled location ID	Easting	Northing	100% AEP (+20%)	10% AEP (+20%)	5% AEP (+20%)	3.33% AEP (+20%)	2.5% AEP (+20%)	2% AEP (+20%)	1.33% AEP (+20%)	1% AEP (+20%)	0.5% AEP (+20%)	0.1% AEP (+20%)
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1332097	564336	175193	0.13	0.34	0.42	0.47	0.50	0.53	0.63	0.69	0.85	1.06
2	1332095	564772	175255	0.44	0.41	0.41	0.42	0.42	0.46	0.57	0.58	0.71	0.89

Data in this table comes from the Tilbury 2015 model.

Level values are shown in mAOD, and flow values are shown in cubic metres per second.

Any blank cells show where a particular scenario has not been modelled for this location.



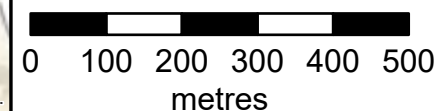
Defended climate change modelled tidal node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

-  Selected area
-  Modelled location
-  Main river

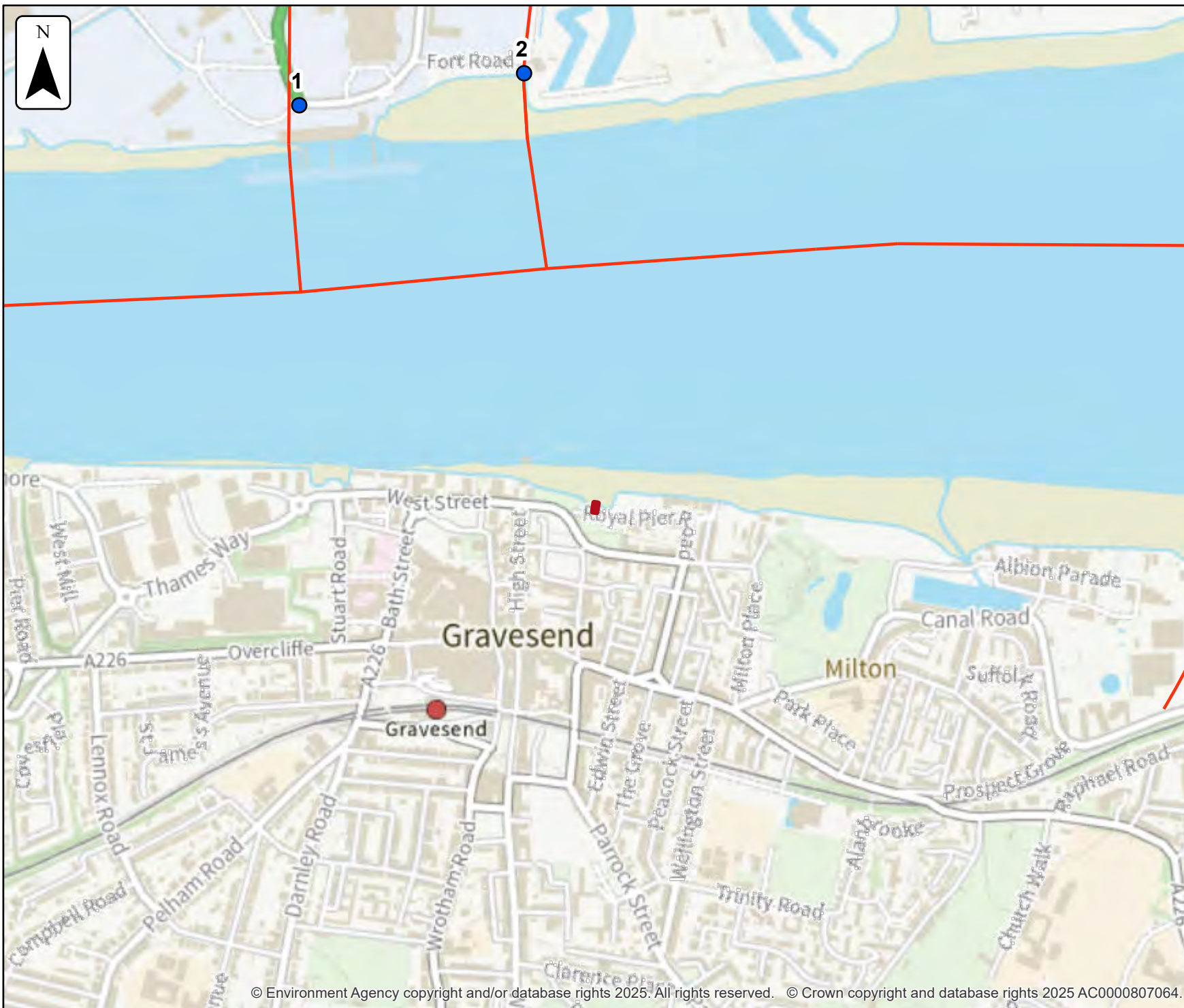


Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
				Level	Level	Flow	Flow
1	957778	564137	174816	5.75	6.36	14183.30	14492.84
2	957802	564893	174844	5.58	5.96	14592.75	14828.71
3	957800	565306	174868	5.57	6.29	14883.14	15130.34

Data in this table comes from the North Kent Coast 2018 Domain1 model.
 Level values are shown in mAOD, and flow values are shown in cubic metres per second.
 Any blank cells show where a particular scenario has not been modelled for this location.



Defended modelled fluvial node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
Tilbury 2015

-  Selected area
-  Modelled location
-  Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defended

Label	Modelled location ID	Easting	Northing	100% AEP	10% AEP	5% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1332097	564336	175193	0.82	1.27	1.41	1.49	1.54	1.58	1.66	1.71	1.86	2.19
2	1332095	564772	175255	0.74	0.93	0.98	1.03	1.03	1.03	1.03	1.03	1.03	1.06

Data in this table comes from the Tilbury 2015 model.

Level values are shown in mAOD, and flow values are shown in cubic metres per second.

Any blank cells show where a particular scenario has not been modelled for this location.

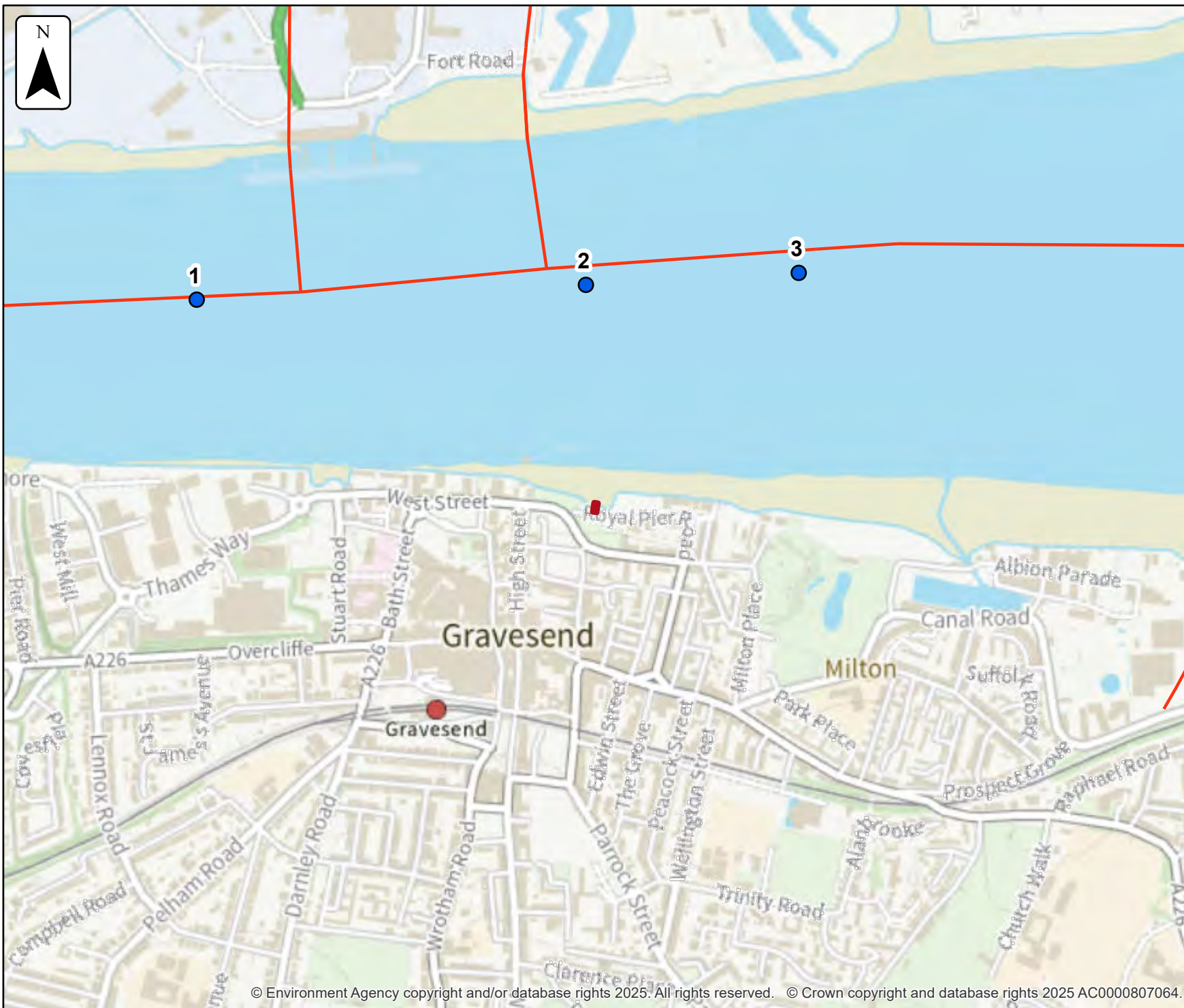
Defended

Label	Modelled location ID	Easting	Northing	100% AEP	10% AEP	5% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1332097	564336	175193	0.18	0.33	0.41	0.46	0.50	0.53	0.58	0.63	0.75	1.12
2	1332095	564772	175255	0.49	0.71	0.72	0.71	0.74	0.76	0.77	0.77	0.84	0.91

Data in this table comes from the Tilbury 2015 model.

Level values are shown in mAOD, and flow values are shown in cubic metres per second.

Any blank cells show where a particular scenario has not been modelled for this location.



Defended modelled tidal node locations

Location (easting/northing)
564911/174412

Scale Created
1:10,000 1 Aug 2025

Model name
**North Kent Coast
Domain1**

-  Selected area
-  Modelled location
-  Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defended

Label	Modelled location ID	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level
1	957778	564137	174816	4.54	4.79	4.86	5.04	5.13	5.38	5.72
2	957802	564893	174844	4.51	4.77	4.83	5.0	5.10	5.35	5.67
3	957800	565306	174868	4.50	4.77	4.82	4.99	5.08	5.34	5.65

Data in this table comes from the North Kent Coast 2018 Domain1 model.
 Level values are shown in mAOD, and flow values are shown in cubic metres per second.
 Any blank cells show where a particular scenario has not been modelled for this location.

Defended

Label	Modelled location ID	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	957778	564137	174816	14020.19	13322.30	13928.77	13573.81	14178.68	14775.18	14419.19
2	957802	564893	174844	14339.23	13687.03	14202.34	13929.69	14595.61	15112.20	14725.19
3	957800	565306	174868	14551.51	13935.04	14362.77	14188.06	14851.45	15336.90	14916.51

Data in this table comes from the North Kent Coast 2018 Domain1 model.
 Level values are shown in mAOD, and flow values are shown in cubic metres per second.
 Any blank cells show where a particular scenario has not been modelled for this location.



Defended modelled tidal extent and height

Location (easting/northing)
564911/174412

Scale Created
1:500 1 Aug 2025

Model name
**North Kent Coast
Domain1**

 Selected area

 Main river

Modelled 2D grid

Water level in mAOD

 2 - 2.5

 2.5 - 3.0

 3.0 - 3.5

 3.5 - 4.0

 4.0 - 4.5

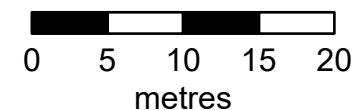
 4.5 - 5.0

 5.0 - 5.5

 5.5 - 6.0

 6.0 - 6.5

This map shows the
0.1% AEP height data



Sample point data

Defended

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
1	564905	174395	NoData	NoData	NoData	NoData	NoData	NoData	5.68
2	564911	174395	NoData	NoData	NoData	NoData	NoData	NoData	5.68
3	564917	174395	NoData	NoData	NoData	NoData	NoData	NoData	5.68
4	564899	174401	NoData	4.78	4.83	5.01	5.11	5.35	5.68
5	564905	174401	NoData	4.78	4.83	5.01	5.11	5.35	5.68
6	564911	174401	NoData	4.78	4.83	5.01	5.10	5.35	5.68
7	564917	174401	NoData	4.78	4.83	5.01	5.10	5.35	5.68
8	564923	174401	NoData	4.78	4.83	5.01	5.10	5.35	5.68
9	564899	174407	NoData	4.78	4.83	5.01	5.11	5.35	5.68
10	564905	174407	NoData	4.78	4.83	5.01	5.11	5.35	5.68
11	564911	174407	NoData	4.78	4.83	5.01	5.10	5.35	5.68
12	564917	174407	NoData	4.78	4.83	5.01	5.10	5.35	5.68

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
13	564923	174407	NoData	4.78	4.83	5.01	5.10	5.35	5.68
14	564899	174413	NoData	4.78	4.83	5.01	5.11	5.35	5.68
15	564905	174413	NoData	4.78	4.83	5.01	5.11	5.35	5.68
16	564911	174413	NoData	4.78	4.83	5.01	5.10	5.35	5.68
17	564917	174413	NoData	4.78	4.83	5.01	5.10	5.35	5.68
18	564923	174413	4.51	4.78	4.83	5.01	5.10	5.35	5.68
19	564899	174419	NoData	4.78	4.83	5.01	5.11	5.35	5.68
20	564905	174419	NoData	4.78	4.83	5.01	5.11	5.35	5.68
21	564911	174419	NoData	4.78	4.83	5.01	5.10	5.35	5.68
22	564917	174419	NoData	4.78	4.83	5.01	5.10	5.35	5.68
23	564923	174419	4.51	4.78	4.83	5.01	5.10	5.35	5.68
24	564905	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
25	564911	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	564917	174425	4.51	4.78	4.83	5.01	5.10	5.35	5.68
27	564923	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			NoData	4.78	4.83	5.01	5.10	5.35	5.68

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres.

Any blank cells show where a particular scenario has not been modelled for this location.

Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.

'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Defended

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	564905	174395	NoData	NoData	NoData	NoData	NoData	NoData	0.12
2	564911	174395	NoData	NoData	NoData	NoData	NoData	NoData	0.21
3	564917	174395	NoData	NoData	NoData	NoData	NoData	NoData	0.25
4	564899	174401	NoData	0.04	0.06	0.13	0.17	0.28	0.49
5	564905	174401	NoData	0.03	0.05	0.13	0.17	0.28	0.52
6	564911	174401	NoData	0.03	0.05	0.13	0.18	0.29	0.56
7	564917	174401	NoData	0.11	0.13	0.22	0.26	0.38	0.67
8	564923	174401	NoData	0.15	0.19	0.30	0.36	0.52	0.82
9	564899	174407	NoData	0.07	0.12	0.28	0.37	0.60	0.91
10	564905	174407	NoData	0.06	0.11	0.27	0.36	0.60	0.91
11	564911	174407	NoData	0.06	0.11	0.28	0.37	0.61	0.93
12	564917	174407	NoData	0.22	0.27	0.44	0.54	0.78	1.10

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
13	564923	174407	NoData	0.25	0.30	0.48	0.57	0.82	1.15
14	564899	174413	NoData	0.19	0.24	0.42	0.51	0.76	1.09
15	564905	174413	NoData	0.20	0.25	0.43	0.52	0.77	1.10
16	564911	174413	NoData	0.21	0.26	0.44	0.54	0.79	1.11
17	564917	174413	NoData	0.25	0.30	0.48	0.57	0.82	1.15
18	564923	174413	0	0.24	0.30	0.47	0.57	0.82	1.14
19	564899	174419	NoData	0.32	0.38	0.55	0.65	0.90	1.22
20	564905	174419	NoData	0.35	0.41	0.58	0.68	0.93	1.25
21	564911	174419	NoData	0.38	0.43	0.61	0.70	0.95	1.28
22	564917	174419	NoData	0.28	0.33	0.51	0.61	0.85	1.18
23	564923	174419	0	0.24	0.29	0.47	0.56	0.81	1.14
24	564905	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
25	564911	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	564917	174425	0.05	0.31	0.36	0.54	0.64	0.89	1.21
27	564923	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			NoData	0.38	0.43	0.61	0.70	0.95	1.28

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres. Any blank cells show where a particular scenario has not been modelled for this location.

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'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Defences removed modelled tidal extent and height

Location (easting/northing)
564911/174412

Scale Created
1:500 1 Aug 2025

Model name
**North Kent Coast
Domain1**

 Selected area

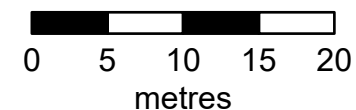
 Main river

Modelled 2D grid

Water level in mAOD

-  0 - 0.75
-  0.75 - 1.5
-  1.5 - 2.25
-  2.25 - 3.0
-  3.0 - 3.75
-  3.75 - 4.5
-  4.5 - 5.25
-  5.25 - 6.0
-  6.0 - 6.75

This map shows the
0.1% AEP height data



Sample point data

Defences removed

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
1	564905	174395	NoData	NoData	NoData	5.00	5.10	5.35	5.68
2	564911	174395	NoData	NoData	NoData	5.00	5.10	5.35	5.68
3	564917	174395	NoData	4.77	4.83	5.00	5.10	5.35	5.68
4	564899	174401	NoData	4.77	4.83	5.01	5.10	5.35	5.68
5	564905	174401	NoData	4.77	4.83	5.00	5.10	5.35	5.68
6	564911	174401	NoData	4.77	4.83	5.00	5.10	5.35	5.68
7	564917	174401	NoData	4.77	4.83	5.00	5.10	5.35	5.68
8	564923	174401	NoData	4.77	4.83	5.00	5.10	5.35	5.68
9	564899	174407	NoData	4.77	4.83	5.01	5.10	5.35	5.68
10	564905	174407	NoData	4.77	4.83	5.00	5.10	5.35	5.68
11	564911	174407	NoData	4.77	4.83	5.00	5.10	5.35	5.68
12	564917	174407	NoData	4.77	4.83	5.00	5.10	5.35	5.68

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
13	564923	174407	NoData	4.77	4.83	5.00	5.10	5.35	5.68
14	564899	174413	4.51	4.77	4.83	5.01	5.10	5.35	5.68
15	564905	174413	4.51	4.77	4.83	5.01	5.10	5.35	5.68
16	564911	174413	4.51	4.77	4.83	5.00	5.10	5.35	5.68
17	564917	174413	NoData	4.77	4.83	5.00	5.10	5.35	5.68
18	564923	174413	4.51	4.77	4.83	5.00	5.10	5.35	5.68
19	564899	174419	4.51	4.77	4.83	5.01	5.10	5.35	5.68
20	564905	174419	4.51	4.77	4.83	5.01	5.10	5.35	5.68
21	564911	174419	4.51	4.77	4.83	5.00	5.10	5.35	5.68
22	564917	174419	NoData	4.77	4.83	5.00	5.10	5.35	5.68
23	564923	174419	4.51	4.77	4.83	5.00	5.10	5.35	5.68
24	564905	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
25	564911	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	564917	174425	4.51	4.77	4.83	5.00	5.10	5.35	5.68
27	564923	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			4.51	4.77	4.83	5.00	5.10	5.35	5.68

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres.

Any blank cells show where a particular scenario has not been modelled for this location.

Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.

'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Defences removed

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	564905	174395	NoData	NoData	NoData	0.16	0.21	0.32	0.46
2	564911	174395	NoData	NoData	NoData	0.18	0.23	0.34	0.49
3	564917	174395	NoData	0.12	0.15	0.24	0.28	0.41	0.56
4	564899	174401	NoData	0.40	0.46	0.63	0.73	0.98	1.30
5	564905	174401	NoData	0.46	0.52	0.69	0.79	1.04	1.36
6	564911	174401	NoData	0.42	0.48	0.65	0.75	1.00	1.33
7	564917	174401	NoData	0.24	0.30	0.47	0.57	0.82	1.14
8	564923	174401	NoData	0.43	0.49	0.66	0.75	1.01	1.33
9	564899	174407	NoData	0.79	0.85	1.02	1.11	1.37	1.69
10	564905	174407	NoData	0.85	0.91	1.09	1.18	1.44	1.76
11	564911	174407	NoData	0.69	0.75	0.92	1.02	1.27	1.59
12	564917	174407	NoData	0.23	0.29	0.46	0.55	0.81	1.13

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
13	564923	174407	NoData	0.55	0.61	0.78	0.87	1.13	1.45
14	564899	174413	1.16	1.41	1.47	1.64	1.74	1.99	2.32
15	564905	174413	1.32	1.58	1.64	1.82	1.91	2.16	2.49
16	564911	174413	1.09	1.35	1.41	1.58	1.67	1.93	2.25
17	564917	174413	NoData	0.52	0.58	0.75	0.85	1.10	1.43
18	564923	174413	0.67	0.88	0.94	1.11	1.20	1.46	1.78
19	564899	174419	1.90	2.15	2.21	2.39	2.48	2.73	3.06
20	564905	174419	2.14	2.40	2.46	2.63	2.73	2.98	3.30
21	564911	174419	1.77	2.03	2.09	2.26	2.36	2.61	2.93
22	564917	174419	NoData	0.83	0.89	1.06	1.15	1.41	1.73
23	564923	174419	0.93	1.18	1.24	1.42	1.51	1.77	2.09
24	564905	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
25	564911	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	564917	174425	1.72	1.98	2.04	2.21	2.31	2.56	2.88
27	564923	174425	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			1.77	2.03	2.09	2.26	2.36	2.61	2.93

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres.

Any blank cells show where a particular scenario has not been modelled for this location.

Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.

'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Defended climate change modelled tidal extent and height

Location (easting/northing)
564911/174412

Scale Created
1:500 1 Aug 2025

Model name
**North Kent Coast
Domain1**

 Selected area

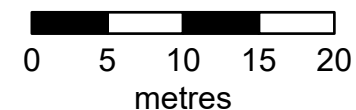
 Main river

Modelled 2D grid

Water level in mAOD

-  5 - 5.25
-  5.25 - 5.5
-  5.5 - 5.75
-  5.75 - 6.0
-  6.0 - 6.25
-  6.25 - 6.5
-  6.5 - 6.75
-  6.75 - 7.0
-  7.0 - 7.25

This map shows the
0.5% AEP +95mm height data



Sample point data

Defended climate change

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
1	564905	174395	5.71	6.32	0.14	0.51
2	564911	174395	5.71	6.32	0.24	0.80
3	564917	174395	5.71	6.32	0.29	0.90
4	564899	174401	5.71	6.32	0.52	1.13
5	564905	174401	5.71	6.32	0.55	1.17
6	564911	174401	5.71	6.32	0.59	1.20
7	564917	174401	5.71	6.32	0.70	1.31
8	564923	174401	5.71	6.32	0.86	1.47
9	564899	174407	5.71	6.32	0.94	1.55
10	564905	174407	5.71	6.32	0.95	1.56
11	564911	174407	5.71	6.32	0.96	1.57
12	564917	174407	5.71	6.32	1.14	1.75

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
13	564923	174407	5.71	6.32	1.18	1.79
14	564899	174413	5.71	6.32	1.12	1.73
15	564905	174413	5.71	6.32	1.13	1.74
16	564911	174413	5.71	6.32	1.14	1.75
17	564917	174413	5.71	6.32	1.18	1.79
18	564923	174413	5.71	6.32	1.17	1.78
19	564899	174419	5.71	6.32	1.26	1.87
20	564905	174419	5.71	6.32	1.29	1.90
21	564911	174419	5.71	6.32	1.31	1.92
22	564917	174419	5.71	6.32	1.21	1.82
23	564923	174419	5.71	6.32	1.17	1.78
24	564905	174425	NoData	NoData	NoData	NoData

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
25	564911	174425	NoData	NoData	NoData	NoData
26	564917	174425	5.71	6.32	1.24	1.85
27	564923	174425	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData
Max value in selected area:			5.71	6.32	1.31	1.92

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres. Any blank cells show where a particular scenario has not been modelled for this location. Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.

'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Defences removed climate change modelled tidal extent and height

Location (easting/northing)
564911/174412

Scale Created
1:500 1 Aug 2025

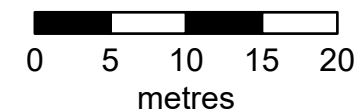
Model name
**North Kent Coast
Domain1**

-  Selected area
-  Main river

Modelled 2D grid
Water level in mAOD

-  0 - 0.875
-  0.875 - 1.75
-  1.75 - 2.625
-  2.625 - 3.5
-  3.5 - 4.375
-  4.375 - 5.25
-  5.25 - 6.125
-  6.125 - 7.0
-  7.0 - 7.875

This map shows the
0.5% AEP +95mm height data



Sample point data

Defences removed climate change

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
1	564905	174395	5.58	6.32	0.42	0.74
2	564911	174395	5.58	6.32	0.44	0.78
3	564917	174395	5.58	6.32	0.52	0.87
4	564899	174401	5.58	6.32	1.21	1.95
5	564905	174401	5.58	6.32	1.27	2.01
6	564911	174401	5.58	6.32	1.23	1.97
7	564917	174401	5.58	6.32	1.05	1.79
8	564923	174401	5.58	6.32	1.24	1.97
9	564899	174407	5.58	6.32	1.60	2.33
10	564905	174407	5.58	6.32	1.67	2.40
11	564911	174407	5.58	6.32	1.50	2.24
12	564917	174407	5.58	6.32	1.04	1.77

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
13	564923	174407	5.58	6.32	1.36	2.09
14	564899	174413	5.58	6.32	2.22	2.96
15	564905	174413	5.58	6.32	2.39	3.13
16	564911	174413	5.58	6.32	2.16	2.90
17	564917	174413	5.58	6.32	1.33	2.07
18	564923	174413	5.58	6.32	1.69	2.42
19	564899	174419	5.58	6.32	2.96	3.70
20	564905	174419	5.58	6.32	3.21	3.95
21	564911	174419	5.58	6.32	2.84	3.58
22	564917	174419	5.58	6.32	1.64	2.37
23	564923	174419	5.58	6.32	2.00	2.73
24	564905	174425	NoData	NoData	NoData	NoData

Label	Easting	Northing	0.5% AEP (+50mm)	0.5% AEP (+95mm)	0.5% AEP (+50mm)	0.5% AEP (+95mm)
			Height	Height	Depth	Depth
25	564911	174425	NoData	NoData	NoData	NoData
26	564917	174425	5.58	6.32	2.79	3.53
27	564923	174425	NoData	NoData	NoData	NoData
28	564911	174431	NoData	NoData	NoData	NoData
Max value in selected area:			5.58	6.32	2.84	3.58

Data in this table comes from the North Kent Coast 2018 Domain1 model. Height values are shown in mAOD, and depth values are shown in metres. Any blank cells show where a particular scenario has not been modelled for this location. Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.

'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Strategic flood risk assessments

We recommend that you check the relevant local authority's strategic flood risk assessment (SFRA) as part of your work to prepare a site specific flood risk assessment.

This should give you information about:

- the potential impacts of climate change in this catchment
- areas defined as functional floodplain
- flooding from other sources, such as surface water, ground water and reservoirs

Your Lead Local Flood Authority is Kent County.

About this data

This data has been generated by strategic scale flood models and is not intended for use at the individual property scale. If you're intending to use this data as part of a flood risk assessment, please include an appropriate modelling tolerance as part of your assessment. The Environment Agency regularly updates its modelling. We recommend that you check the data provided is the most recent, before submitting your flood risk assessment.

Flood risk activity permits

Under the Environmental Permitting (England and Wales) Regulations 2016 some developments may require an environmental permit for flood risk activities from the Environment Agency. This includes any permanent or temporary works that are in, over, under, or nearby a designated main river or flood defence structure.

[Find out more about flood risk activity permits](#)

Help and advice

Contact the Kent South London and East Sussex Environment Agency team at ksle@environment-agency.gov.uk for:

- [more information about getting a product 5, 6, 7 or 8](#)
- general help and advice about the site you're requesting data for