

Appendix F Environment Agency's Data and Information

Product 4 (Detailed Flood Risk) for Abbey Wharf, 57-75 Kings Road, Reading RG1 3AB

Our Ref: EIR2025/09158

Product 4 is designed for developers where Flood Risk Standing Advice FRA (Flood Risk Assessment) Guidance Note 3 Applies. This is:

- i) "all applications in Flood Zone 3, other than non-domestic extensions less than 250 sq metres; and all domestic extensions", and
- ii) "all applications with a site area greater than 1 ha" in Flood Zone 2.

Product 4 includes the following information:

Ordnance Survey 1:25k colour raster base mapping;
Flood Zone 2 and Flood Zone 3;
Relevant model node locations and unique identifiers (for cross referencing to the water levels, depths and flows table);
Model extents showing *defended* scenarios;
FRA site boundary (where a suitable GIS layer is supplied);
Flood defence locations (where available/relevant) and unique identifiers; (supplied separately)
Flood Map flood storage areas (where available/relevant);
Historic flood events outlines (where available/relevant, not the Historic Flood Map) and unique identifiers;

Statutory (Sealed) Main River (where available within map extents);

A table showing:

- i) Model node X/Y coordinate locations, unique identifiers, and levels and flows for *defended* scenarios.
- ii) Flood defence locations unique identifiers and attributes; (supplied separately)
- iii) Historic flood events outlines unique identifiers and attributes; and
- iv) Local flood history data (where available/relevant).

Please note:

If you will be carrying out computer modelling as part of your Flood Risk Assessment, please request our guidance which sets out the requirements and best practice for computer river modelling.

This information is based on that currently available as of the date of this letter. You may feel it is appropriate to contact our office at regular intervals, to check whether any amendments/ improvements have been made. Should you re-contact us after a period of time, please quote the above reference in order to help us deal with your query.

This information is provided subject to the enclosed notice which you should read.

This letter is not a Flood Risk Assessment. The information supplied can be used to form part of your Flood Risk Assessment. Further advice and guidance regarding Flood Risk Assessments can be found on our website at:

<https://www.gov.uk/guidance/flood-risk-assessment-local-planning-authorities>

If you would like advice from us regarding your development proposals you can complete our pre application enquiry form which can be found at:

<https://www.gov.uk/government/publications/pre-planning-application-enquiry-form-preliminary-opinion>

Defence information

Defence Location: No defences on Main River

Description: This location is not currently protected by any formal defences and we do not currently have any flood alleviation works planned for the area. However we continue to maintain certain watercourses and the schedule of these can be found on our internet pages.

Model information

EIR2025/09158

Model: **Kennet (Tyle Mill to Thames Confluence) 2018**

Description: The information provided is taken from the Kennet (Tyle Mill to Thames confluence) 2018. The study was carried out using 1D-2D modelling software (Flood modeller-Tuflow).

Model design runs:

1 in 2/ 50% AEP; 1 in 5 / 20% AEP; 1 in 20 / 5% AEP; 1 in 30/ 3.3% AEP; 1 in 75 / 1.3% AEP; 1 in 100 / 1% AEP; 1 in 100+15% / 1% + 15% AEP with climate change; 1 in 100+25% / 1% + 25% AEP with climate change; 1 in 100+35% / 1% + 35% AEP with climate change; 1 in 100+70% / 1% + 70% AEP with climate change; and 1 in 1000 / 0.1% AEP.

Mapped Outputs:

1 in 2/ 50% AEP; 1 in 5 / 20% AEP; 1 in 20 / 5% AEP; 1 in 30/ 3.3% AEP; 1 in 75 / 1.3% AEP; 1 in 100 / 1% AEP; 1 in 100+15% / 1% + 15% AEP with climate change; 1 in 100+25% / 1% + 25% AEP with climate change; 1 in 100+35% / 1% + 35% AEP with climate change; 1 in 100+70% / 1% + 70% AEP with climate change; and 1 in 1000 / 0.1% AEP.

Model information

EIR2025/09158

Model: Thames (Pangbourne to Sonning) 2019

Description: The information provided is taken from the Reading and Caversham Flood Alleviation Scheme: Baseline Modelling Report - Final undertaken by Jacobs, dated 07 May 2021. The study was carried out using 1D-2D modelling software (Flood Modeller Pro-TUFLOW). This model study was undertaken as part of the technical studies stage for developing scheme options for the Reading and Caversham Flood Alleviation Scheme: in February 2022 it was announced that this scheme will not go ahead, however the modelling is still viable and can be used internally and externally to inform flood risk. The whole model covers 28 km of the River Thames from Whitchurch Lock to Henley-on-Thames, however the Environment Agency are only using this model up to Sonning: downstream of this location, please refer to the Thames (Sonning to Hurley) 2019 model.

Model design runs:

1 in 2 / 50% AEP; 1 in 5 / 20% AEP; 1 in 10 / 10% AEP; 1 in 20 / 5% AEP; 1 in 30 / 3.3% AEP; 1 in 50 / 2% AEP; 1 in 75 / 1.33% AEP; 1 in 100 / 1% AEP; 1 in 100+25% / 1% AEP with 25% climate change; 1 in 100+35% / 1% AEP with 35% climate change; 1 in 100+70% / 1% AEP with 70% climate change; 1 in 200 / 0.5% AEP; and 1 in 1000 / 0.1% AEP.

Mapped outputs:

1 in 2 / 50% AEP; 1 in 5 / 20% AEP; 1 in 10 / 10% AEP; 1 in 20 / 5% AEP; 1 in 30 / 3.3% AEP; 1 in 50 / 2% AEP; 1 in 75 / 1.33% AEP; 1 in 100 / 1% AEP; 1 in 100+25% / 1% AEP with 25% climate change; 1 in 100+35% / 1% AEP with 35% climate change; 1 in 100+70% / 1% AEP with 70% climate change; 1 in 200 / 0.5% AEP; and 1 in 1000 / 0.1% AEP.

Hazard Mapping

Hazard Mapping methodology:

To calculate flood hazard with the debris factor we have used the supplementary note to Flood Risk to People Methodology (see below).

The following calculation is used:

$$HR = d \times (v+0.5) + DF$$

Where HR = flood hazard rating

d = depth of flooding (m)

v = velocity of floodwaters (m/sec)

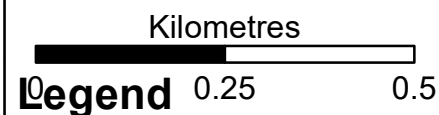
DF = debris factor calculated (0, 0.5, 1 depending on probability that debris will lead to a hazard)

The resultant hazard rating is then classified according to:

Flood Hazard	Colour	Hazard to People Classification
Less than 0.75	Green	Very low hazard - Caution
0.75 to 1.25	Yellow	Danger for some - includes children, the elderly and the infirm
1.25 to 2.0	Orange	Danger for most - includes the general public
More than 2.0	Red	Danger for all - includes the emergency services

REF: HR Wallingford and Environment Agency (May 2008) Supplementary note of flood hazard ratings and thresholds for development planning and control purpose – Clarification of the Table 113.1 of FD2320/TR2 and Figure 3.2 of FD2321/TR1

Hazard Map for the 1% AEP + 25% climate change event centred on Abbey Wharf, 57-75 Kings Road, Reading RG1 3AB. Created on 16/05/25 REF: EIR2025/09158



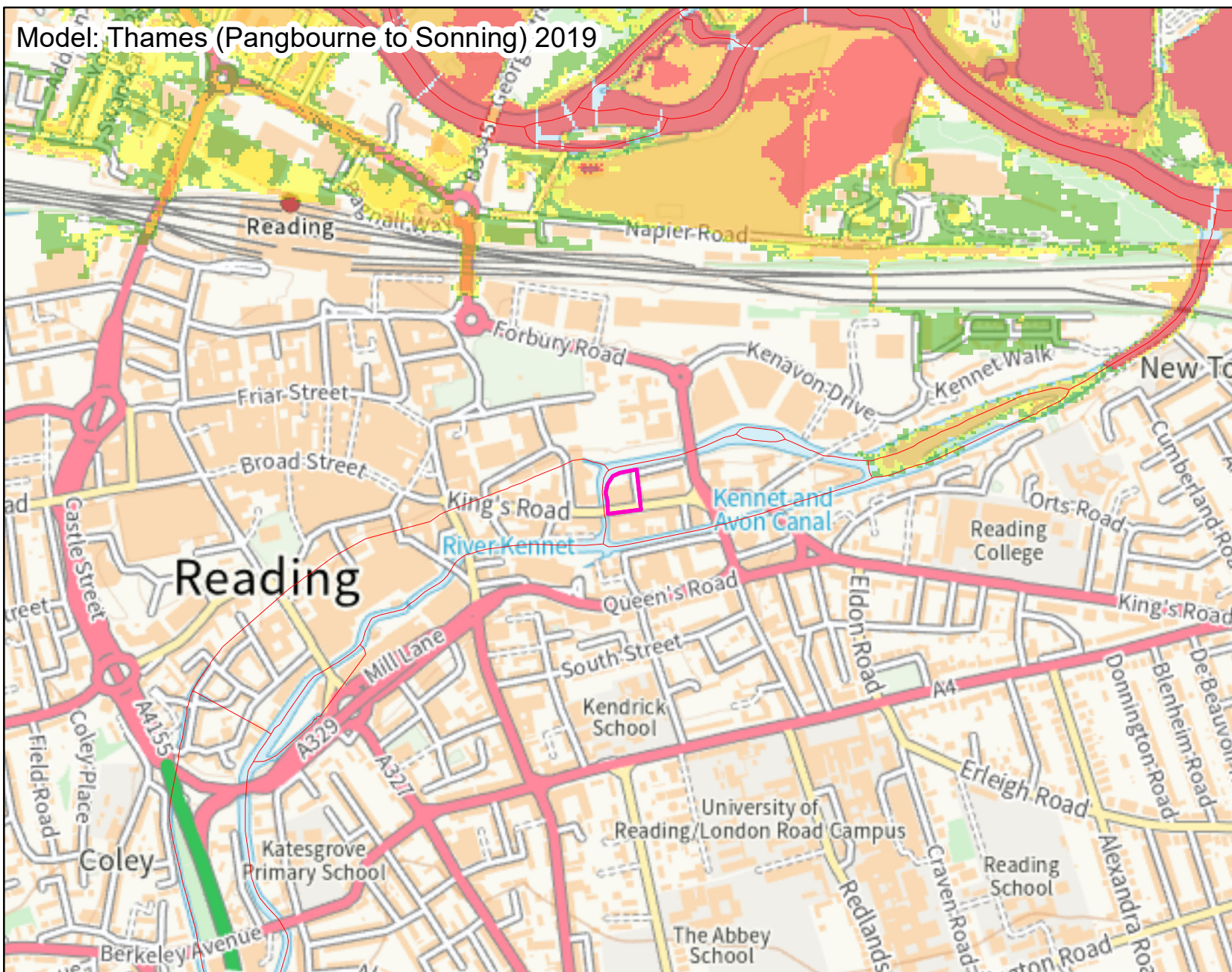
- Site Boundary
- Statutory Main Rivers
- Very low hazard – Caution
- Danger for some – includes children, the elderly and the infirm
- Danger for most – includes the general public
- Danger for all – includes the emergency services

For hazard and debris factor we used HR Wallingford and Environment Agency (May 2008) supplementary note on flood hazard ratings and thresholds for development planning and control purpose. The following calculation is used:

$$HR = d \times (v + 0.5) + DF$$

HR = flood hazard rating
 d = depth of flooding (m)
 v = velocity of floodwaters (m/sec)
 DF = debris factor calculated (0, 0.5, 1 depending on probability that debris will lead to a hazard)

Hazard Map for the 1% AEP + 25% climate change event centred on Abbey Wharf, 57-75 Kings Road, Reading RG1 3AB. Created on 16/05/25 REF: EIR2025/09158



Kilometres
0.25 0.5

- Legend**
- Site Boundary
 - Statutory Main Rivers
 - Very low hazard – Caution
 - Danger for some – includes children, the elderly and the infirm
 - Danger for most – includes the general public
 - Danger for all – includes the emergency services

For hazard and debris factor we used HR Wallingford and Environment Agency (May 2008) supplementary note on flood hazard ratings and thresholds for development planning and control purpose. The following calculation is used:

$$HR = d \times (v + 0.5) + DF$$

HR = flood hazard rating
 d = depth of flooding (m)
 v = velocity of floodwaters (m/sec)
 DF = debris factor calculated (0, 0.5, 1 depending on probability that debris will lead to a hazard)

Hazard Map for the 1% AEP + 35% climate change event centred on Abbey Wharf, 57-75 Kings Road, Reading RG1 3AB. Created on 16/05/25 REF: EIR2025/09158



**Environment Agency**

Kilometres

0.25

0.5

Legend

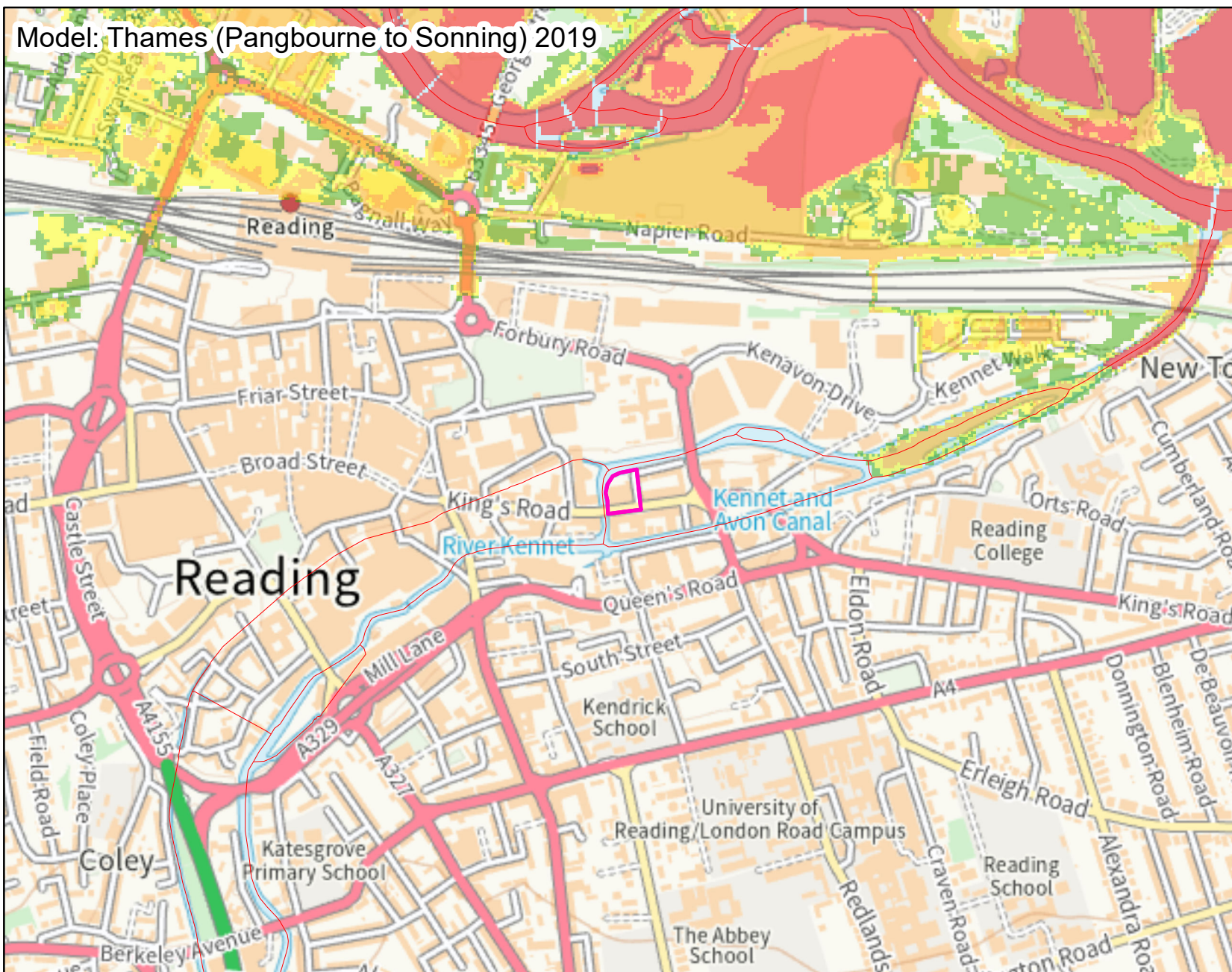
-  Site Boundary
-  Statutory Main Rivers
-  Very low hazard – Caution
-  Danger for some – includes children, the elderly and the infirm
-  Danger for most – includes the general public
-  Danger for all – includes the emergency services

For hazard and debris factor we used HR Wallingford and Environment Agency (May 2008) supplementary note on flood hazard ratings and thresholds for development planning and control purpose. The following calculation is used:

$HR = d \times (v + 0.5) + DF$

HR = flood hazard rating
d = depth of flooding (m)
v = velocity of floodwaters (m/sec)
DF = debris factor calculated (0, 0.5, 1 depending on probability that debris will lead to a hazard)

Hazard Map for the 1% AEP + 35% climate change event centred on Abbey Wharf, 57-75 Kings Road, Reading RG1 3AB. Created on 16/05/25 REF: EIR2025/09158



Kilometres
0.25 0.5

- Legend**
- Site Boundary
 - Statutory Main Rivers
 - Very low hazard – Caution
 - Danger for some – includes children, the elderly and the infirm
 - Danger for most – includes the general public
 - Danger for all – includes the emergency services

For hazard and debris factor we used HR Wallingford and Environment Agency (May 2008) supplementary note on flood hazard ratings and thresholds for development planning and control purpose. The following calculation is used:

$$HR = d \times (v + 0.5) + DF$$

HR = flood hazard rating
d = depth of flooding (m)
v = velocity of floodwaters (m/sec)
DF = debris factor calculated (0, 0.5, 1 depending on probability that debris will lead to a hazard)

Flood risk assessment data



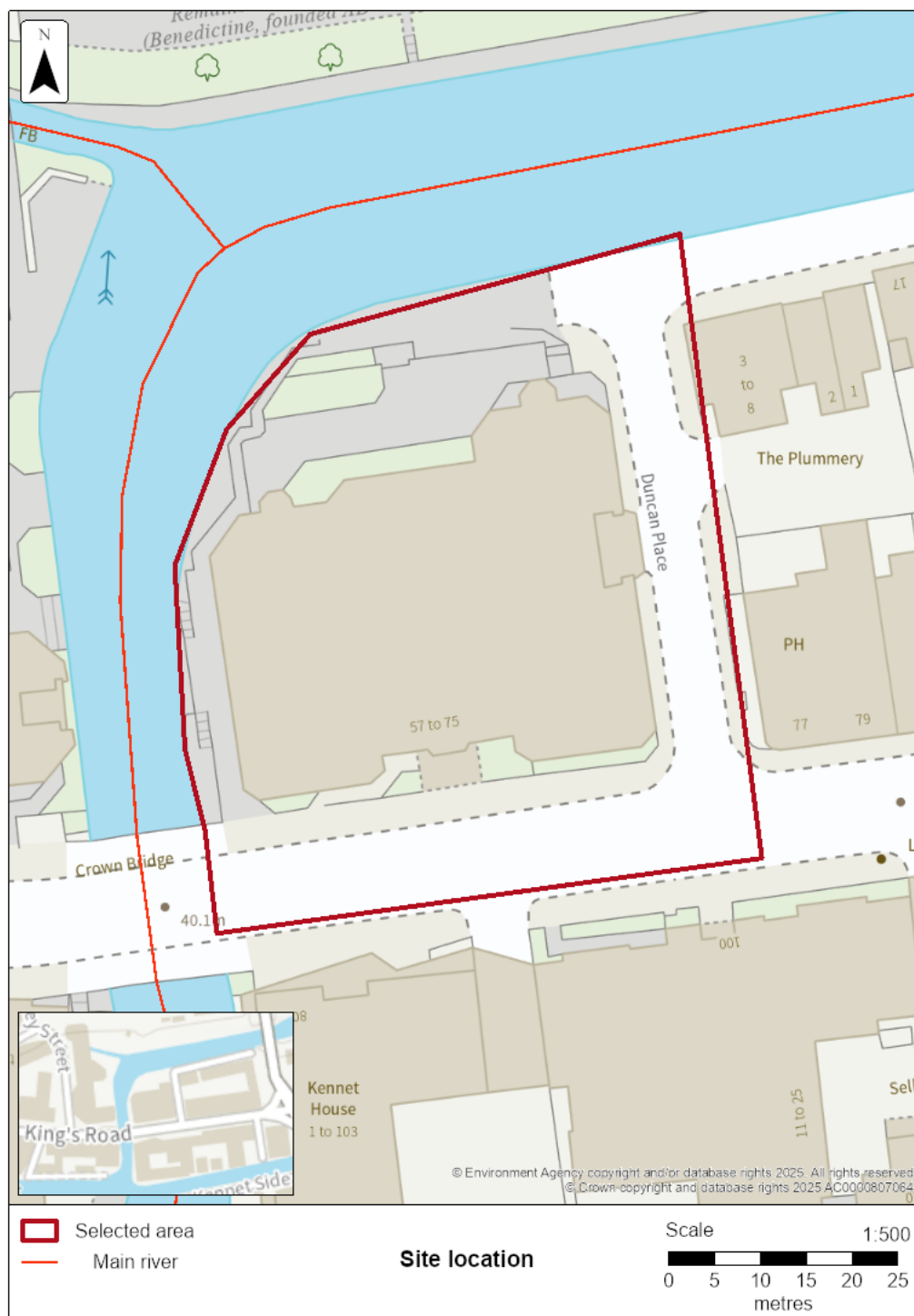
Location of site: 472036 / 173406 (shown as easting and northing coordinates)

Document created on: 16 May 2025

This information was previously known as a product 4.

Customer reference number: EKEDJANPV6FB

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 Reading.

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

About the models used

Model name: Kennet (Tyle Mill to Thames Confluence) 2018
Scenario(s): Defended fluvial, defended climate change fluvial
Date: 12 July 2018

Model name: Thames (Pangbourne to Sonning) 2019
Scenario(s): No defences exist fluvial, no defences exist climate change fluvial
Date: 1 January 2020

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)
472036/173406

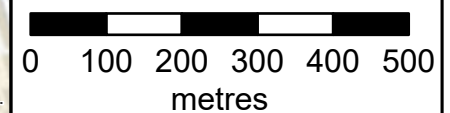
Scale

1:10,000

Created

16 May 2025

-  Selected area
-  Main river
-  Flood defence
-  Water storage area
- Flood Zones 2 and 3
Rivers and Sea
 -  Flood Zone 3
 -  Flood Zone 2



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

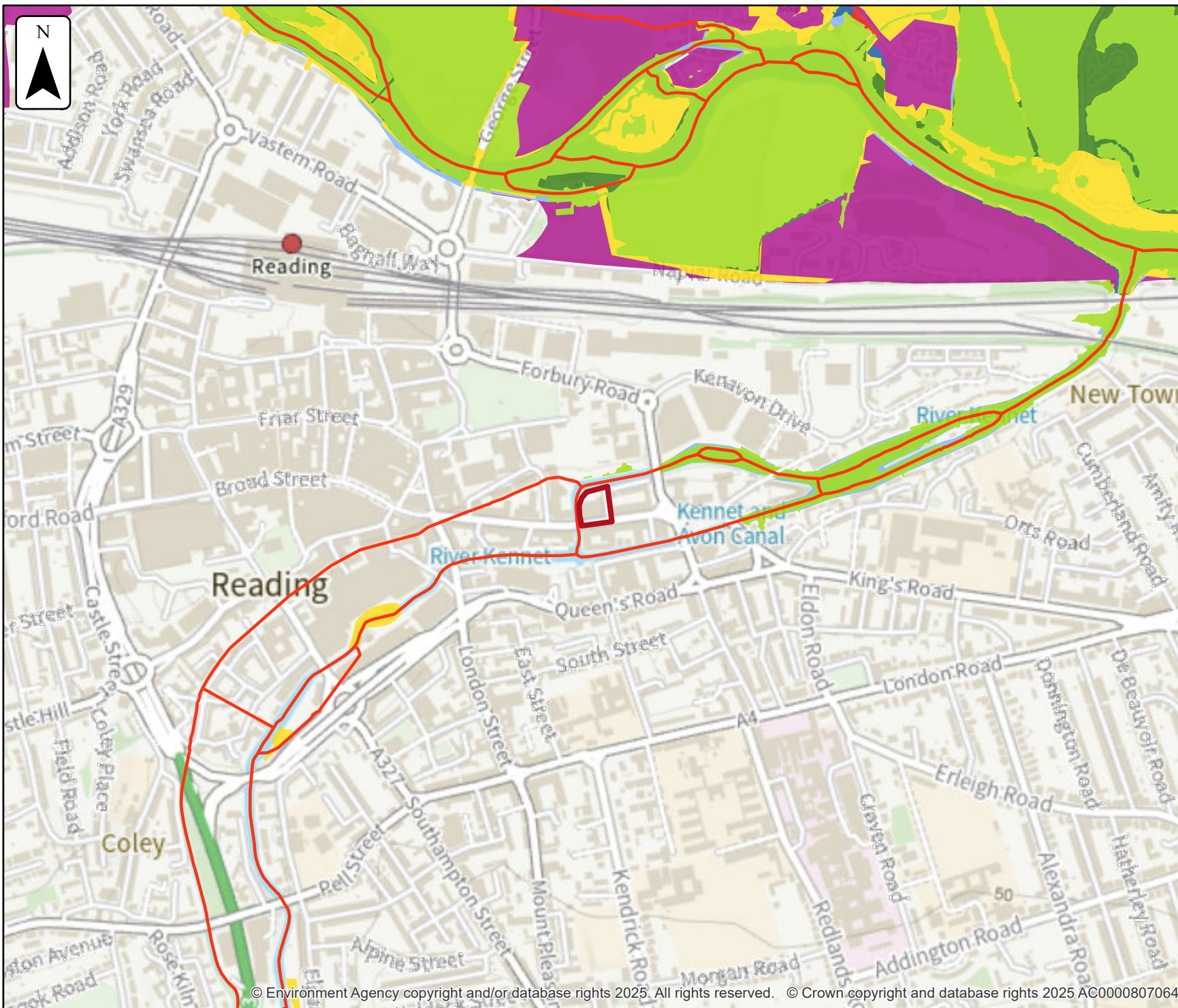
The recorded flood outlines are a geographical information system (GIS) data layer that show our verified records of areas that have flooded in the past from:

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



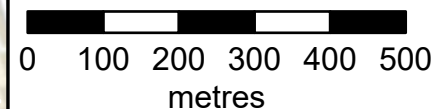
Past floods

Location (easting/northing)
472036/173406

Scale
1:10,000

Created
16 May 2025

-  Selected area
-  Main river
- Date of flood event
 -  November, 2013
 -  July, 2007
 -  December, 2002
 -  2000
 -  1977
 -  1974
 -  1947



Data on past flood events

Start date	End date	Source of flood	Cause of flood	Affects location
23 November 2013	28 February 2014	main river	channel capacity exceeded (no raised defences)	No
19 July 2007	29 July 2007	main river	channel capacity exceeded (no raised defences)	No
23 December 2002	12 January 2003	main river	channel capacity exceeded (no raised defences)	No
2000	2000	main river	channel capacity exceeded (no raised defences)	No
1977	1977	main river	channel capacity exceeded (no raised defences)	No
1974	1974	main river	channel capacity exceeded (no raised defences)	No
1947	1947	main river	channel capacity exceeded (no raised defences)	No

Flood defences and attributes

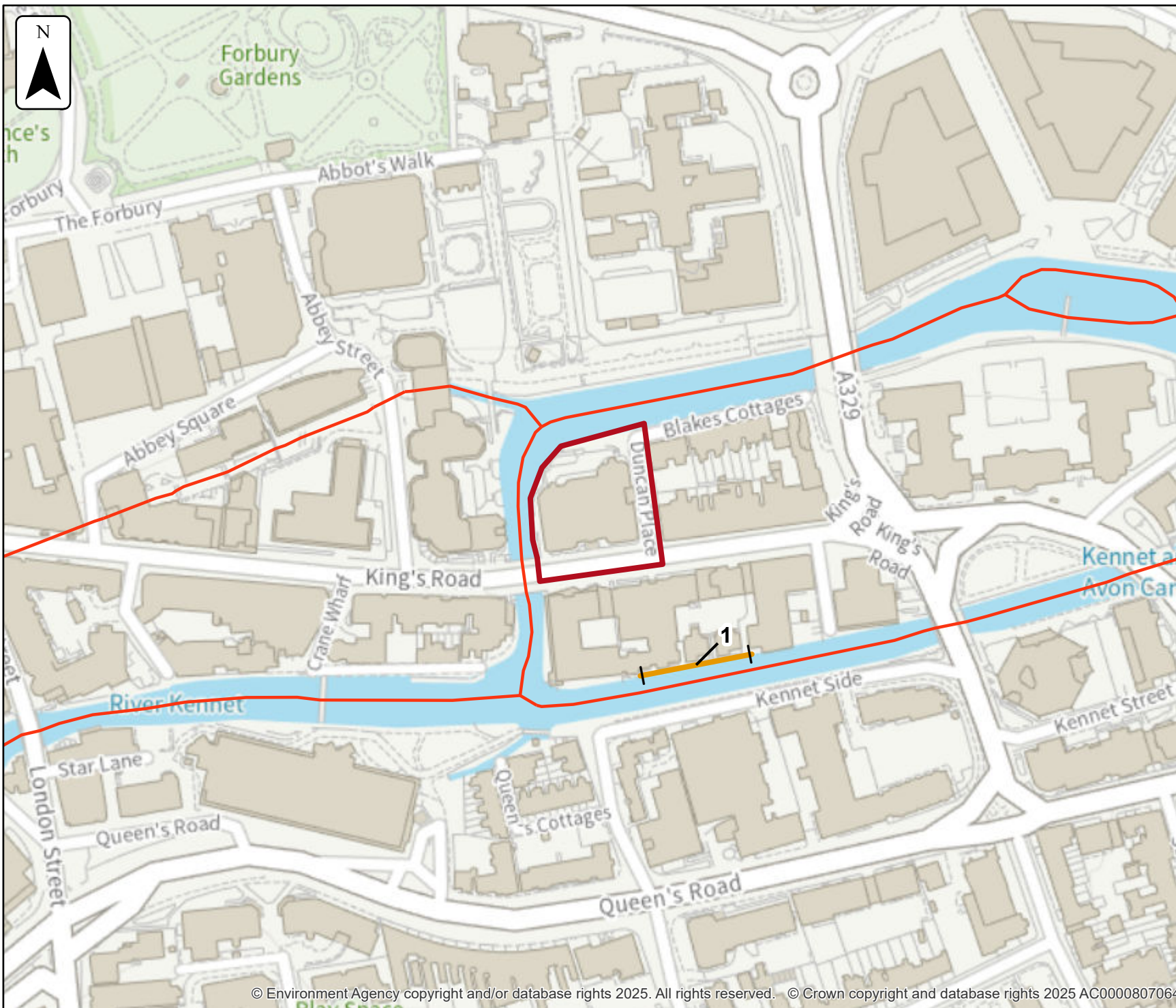
The flood defences map shows the location of the flood defences present.

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)
472036/173406

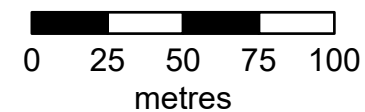
Scale

1:2,500

Created

16 May 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	127567	Wall	5				

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
- No defences exist modelled fluvial: risk of flooding from rivers where there are no flood defences
- Defended climate change modelled fluvial: risk of flooding from rivers where there are flood defences, including estimated impact of climate change
- No defences exist climate change modelled fluvial: risk of flooding from rivers where there are no flood defences, including estimated impact of climate change



Defended climate change modelled fluvial extent

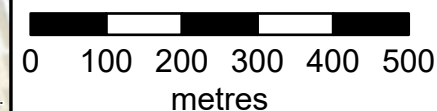
Location (easting/northing)
472036/173406

Scale Created
1:10,000 16 May 2025

Model name
**Kennet (Tyle Mill to
Thames Confluence)**

- Selected area
- Main river
- Modelled flood extent
- 1% AEP (+15%)
- 1% AEP (+25%)
- 1% AEP (+35%)
- 1% AEP (+70%)

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





Defended modelled fluvial extent

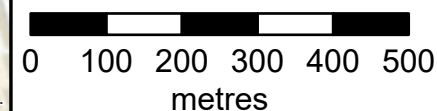
Location (easting/northing)
472036/173406

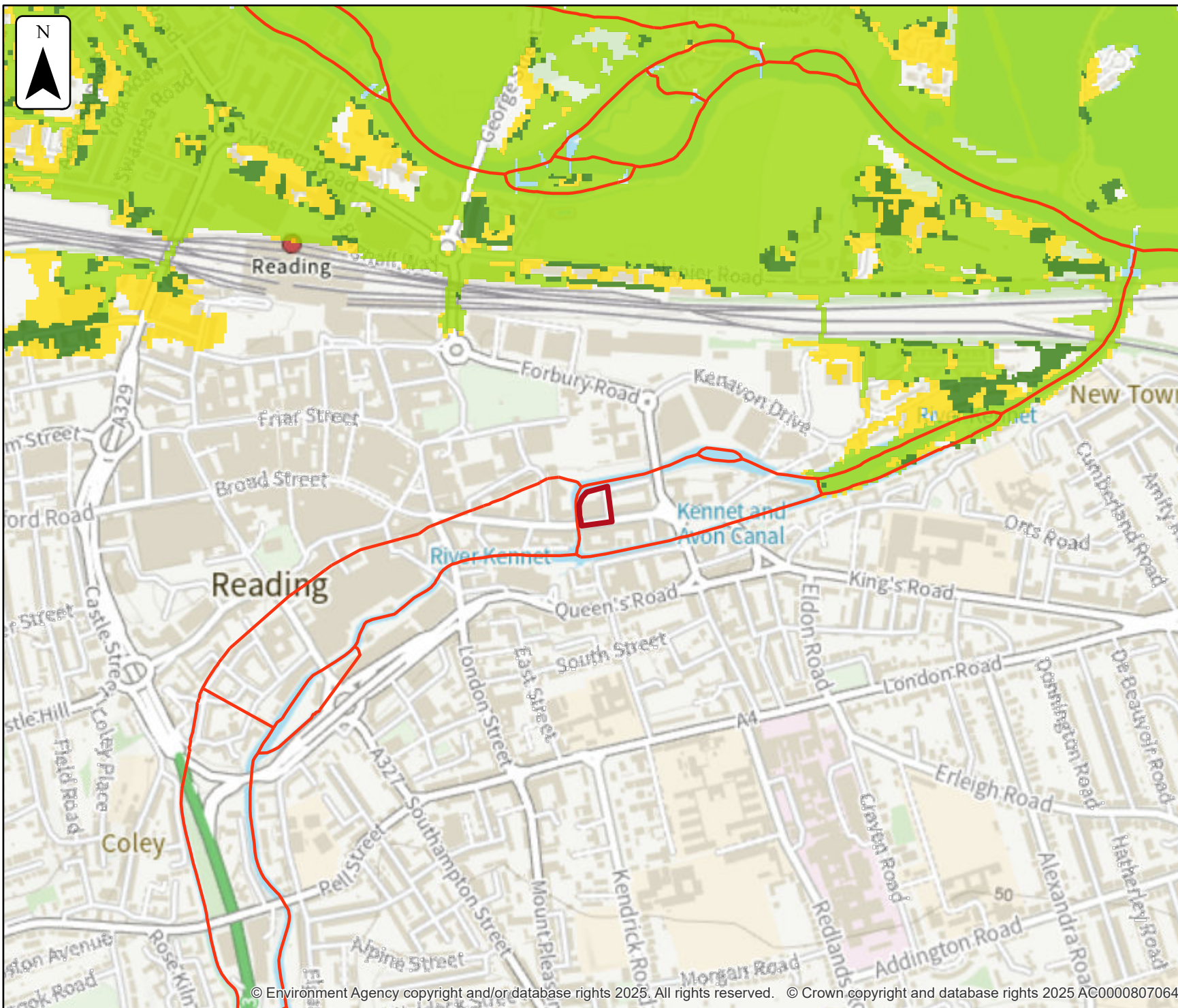
Scale Created
1:10,000 16 May 2025

Model name
**Kennet (Tyle Mill to
Thames Confluence)**

- Selected area
- Main river
- Modelled flood extent
- 5% AEP
- 1.33% AEP
- 1% AEP
- 0.1% AEP

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





**No defences exist
climate change
modelled fluvial extent**

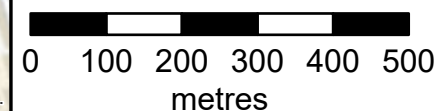
Location (easting/northing)
472036/173406

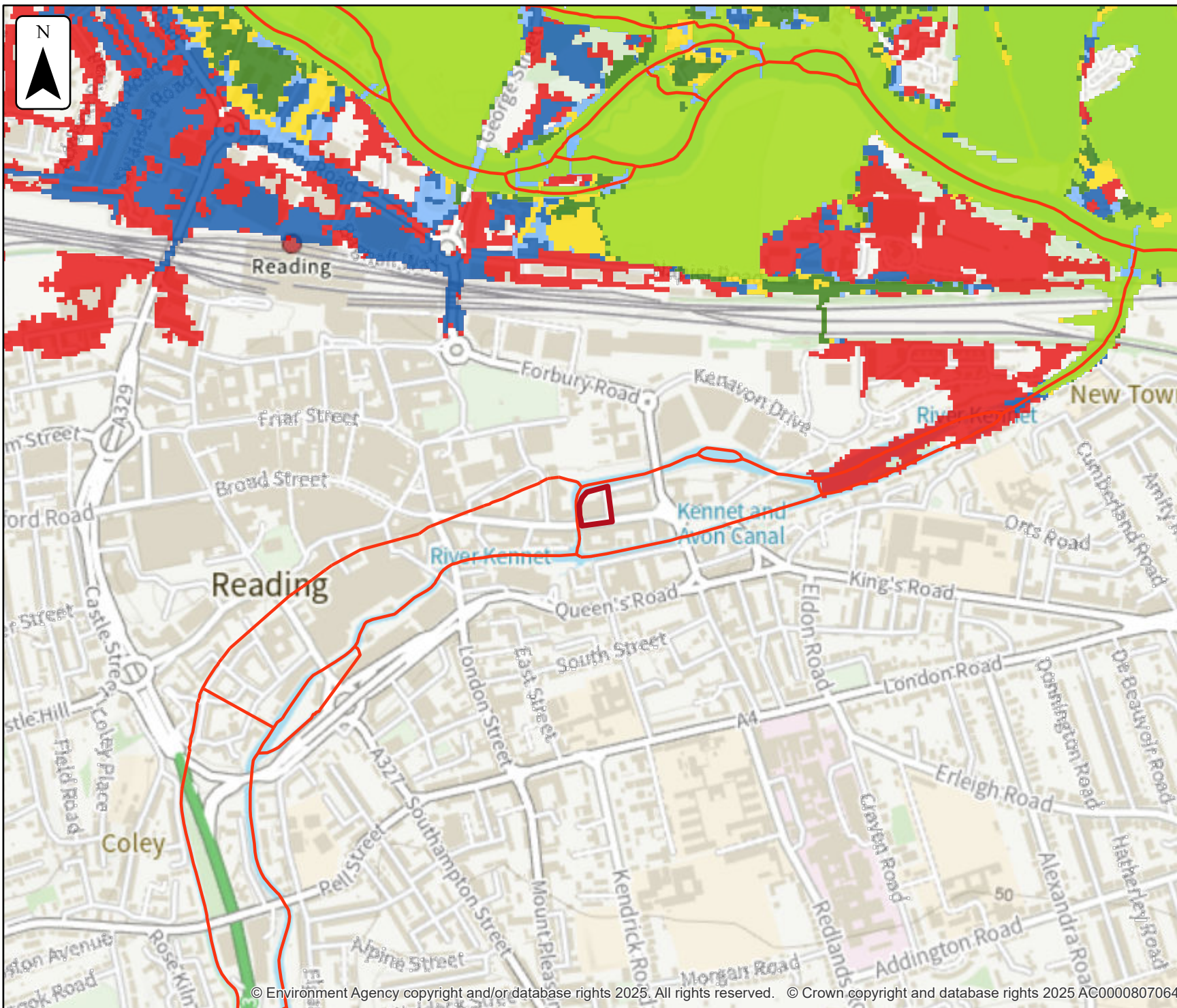
Scale Created
1:10,000 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

-  Selected area
 Main river
Modelled flood extent
 1% AEP (+25%)
 1% AEP (+35%)
 1% AEP (+70%)

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





No defences exist modelled fluvial extent

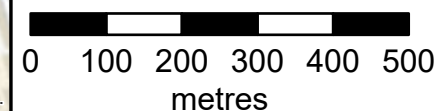
Location (easting/northing)
472036/173406

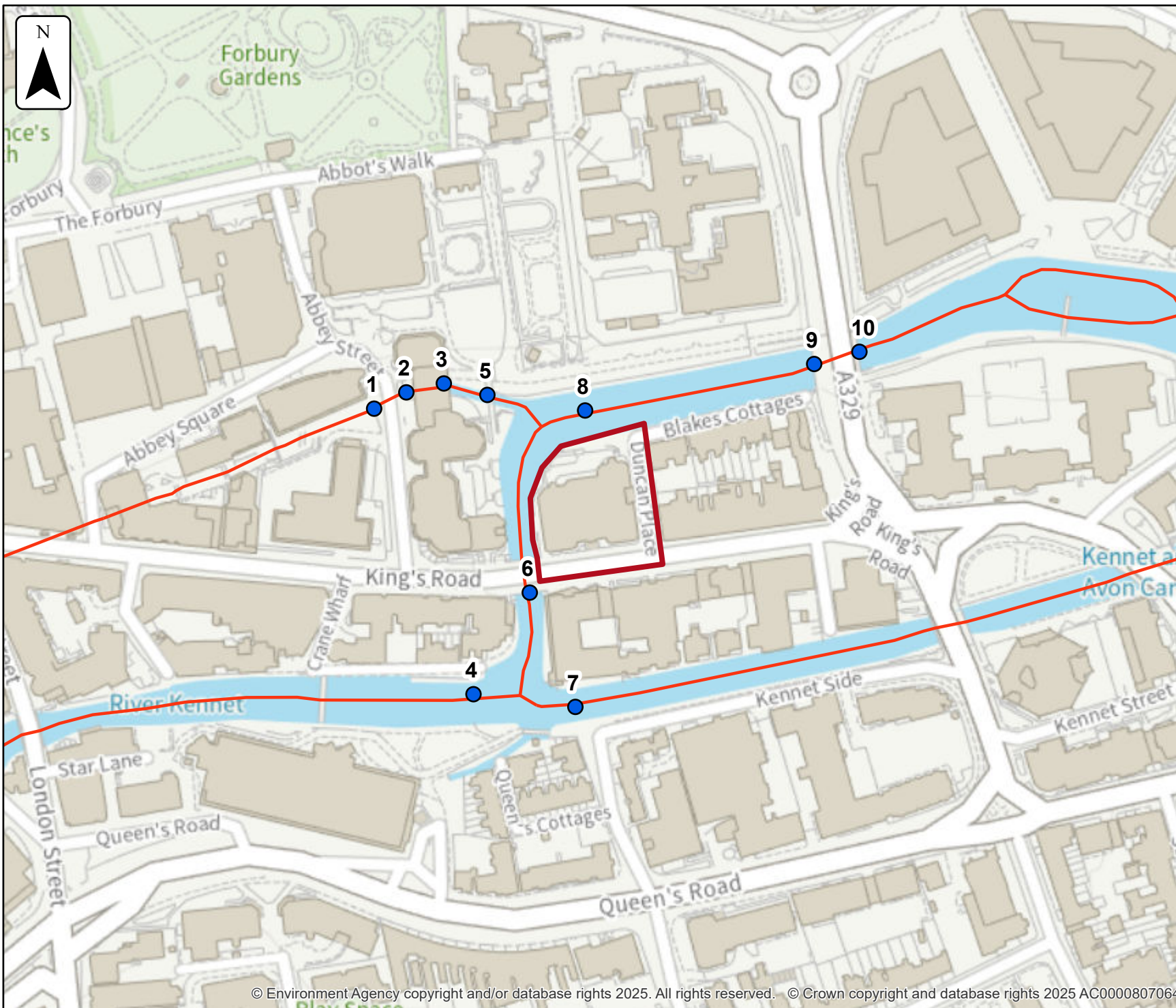
Scale Created
1:10,000 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

- Selected area
- Main river
- Modelled flood extent
- 5% AEP
- 2% AEP
- 1.33% AEP
- 1% AEP
- 0.5% AEP
- 0.1% AEP

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





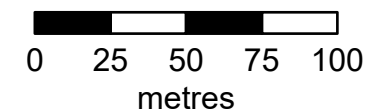
Defended climate change modelled fluvial node locations

Location (easting/northing)
472036/173406

Scale Created
1:2,500 16 May 2025

Model name
**Kennet (Tyle Mill to
Thames Confluence)**

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defended climate change

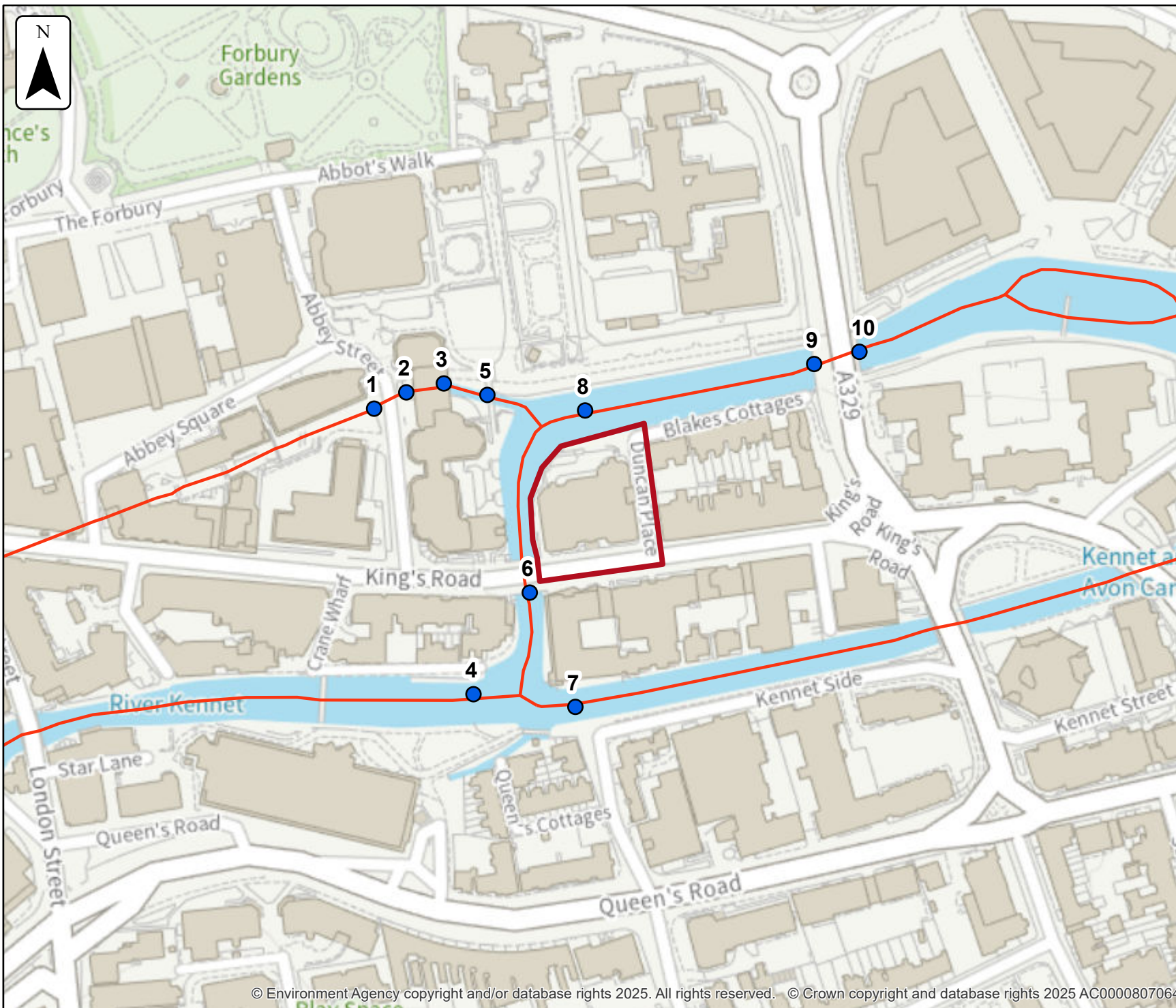
Label	Modelled location ID	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
				Level	Level	Level	Level
1	1350488	471928	173454	37.03	37.10	37.15	37.34
2	1350507	471944	173462	37.02	37.09	37.14	37.32
3	1350388	471962	173466	37.02	37.08	37.13	37.32
4	1350598	471976	173316	37.13	37.21	37.26	37.47
5	1350657	471983	173461	37.02	37.08	37.13	37.31
6	1350626	472004	173365	37.10	37.18	37.23	37.44
7	1350080	472026	173310	37.10	37.17	37.22	37.42
8	1350375	472030	173453	37.01	37.08	37.12	37.31
9	1350372	472142	173476	36.96	37.02	37.07	37.24
10	1350373	472163	173482	36.95	37.01	37.05	37.22

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
				Flow	Flow	Flow	Flow
1	1350488	471928	173454	2.77	3.14	3.61	4.58
2	1350507	471944	173462	2.77	3.14	3.61	4.58
3	1350388	471962	173466	2.77	3.14	3.61	4.58
4	1350598	471976	173316	47.86	52.06	54.63	66.55
5	1350657	471983	173461	2.77	3.14	3.62	4.58
6	1350626	472004	173365	46.67	50.87	53.54	66.22
7	1350080	472026	173310	47.86	52.11	54.62	67.01
8	1350375	472030	173453	49.41	53.98	57.14	70.79
9	1350372	472142	173476	49.41	53.98	57.14	70.79
10	1350373	472163	173482	49.41	54.05	57.14	70.86

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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.



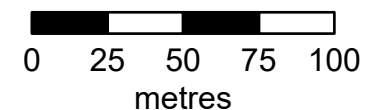
Defended modelled fluvial node locations

Location (easting/northing)
472036/173406

Scale Created
1:2,500 16 May 2025

Model name
**Kennet (Tyle Mill to
Thames Confluence)**

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defended

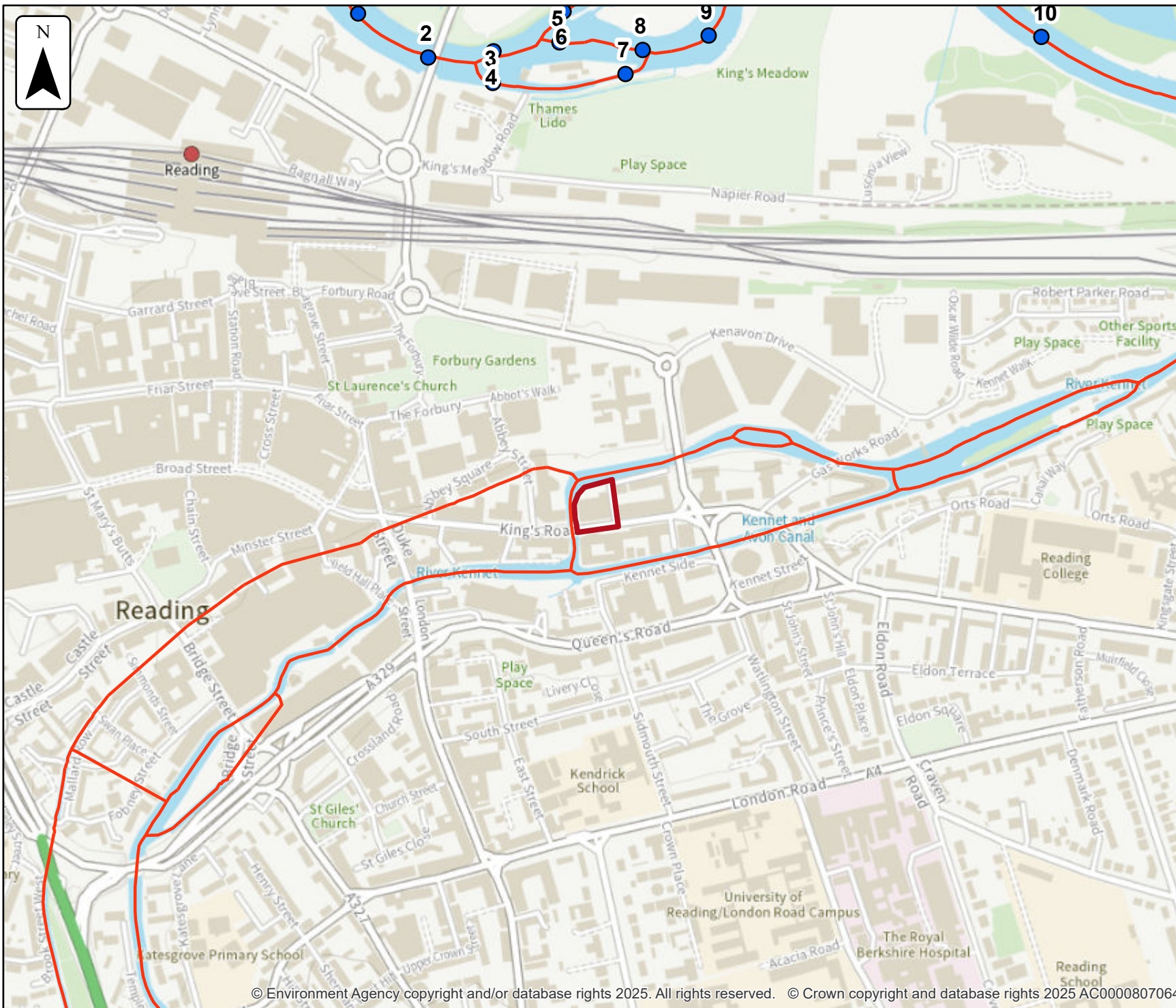
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level
1	1350488	471928	173454	36.61	36.69	36.81	36.84	36.91	36.93	37.18
2	1350507	471944	173462	36.59	36.68	36.80	36.83	36.90	36.92	37.16
3	1350388	471962	173466	36.58	36.67	36.80	36.83	36.90	36.91	37.16
4	1350598	471976	173316	36.61	36.72	36.87	36.90	36.99	37.01	37.29
5	1350657	471983	173461	36.58	36.67	36.79	36.82	36.90	36.91	37.16
6	1350626	472004	173365	36.60	36.70	36.85	36.88	36.97	36.98	37.26
7	1350080	472026	173310	36.60	36.70	36.84	36.88	36.96	36.98	37.25
8	1350375	472030	173453	36.57	36.66	36.79	36.82	36.89	36.91	37.15
9	1350372	472142	173476	36.55	36.63	36.75	36.78	36.85	36.86	37.09
10	1350373	472163	173482	36.54	36.62	36.74	36.77	36.84	36.85	37.07

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1350488	471928	173454	2.47	2.50	2.56	2.63	2.60	2.61	3.86
2	1350507	471944	173462	2.47	2.50	2.56	2.65	2.60	2.61	3.86
3	1350388	471962	173466	2.48	2.50	2.57	2.67	2.60	2.62	3.87
4	1350598	471976	173316	22.01	26.98	34.11	36.02	40.54	41.33	56.49
5	1350657	471983	173461	2.48	2.50	2.57	2.68	2.61	2.62	3.87
6	1350626	472004	173365	19.63	24.74	32.24	34.28	39.02	39.84	55.43
7	1350080	472026	173310	22.02	26.98	34.11	36.02	40.54	41.33	56.48
8	1350375	472030	173453	22.07	27.21	34.80	36.85	41.62	42.44	59.27
9	1350372	472142	173476	22.07	27.22	34.80	36.86	41.62	42.44	59.27
10	1350373	472163	173482	22.08	27.21	34.80	36.85	41.62	42.44	59.27

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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.



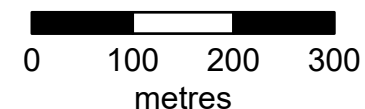
**No defences exist
climate change
modelled fluvial
node locations**

Location (easting/northing)
472036/173406

Scale Created
1:7,500 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

-  Selected area
-  Modelled location
-  Main river

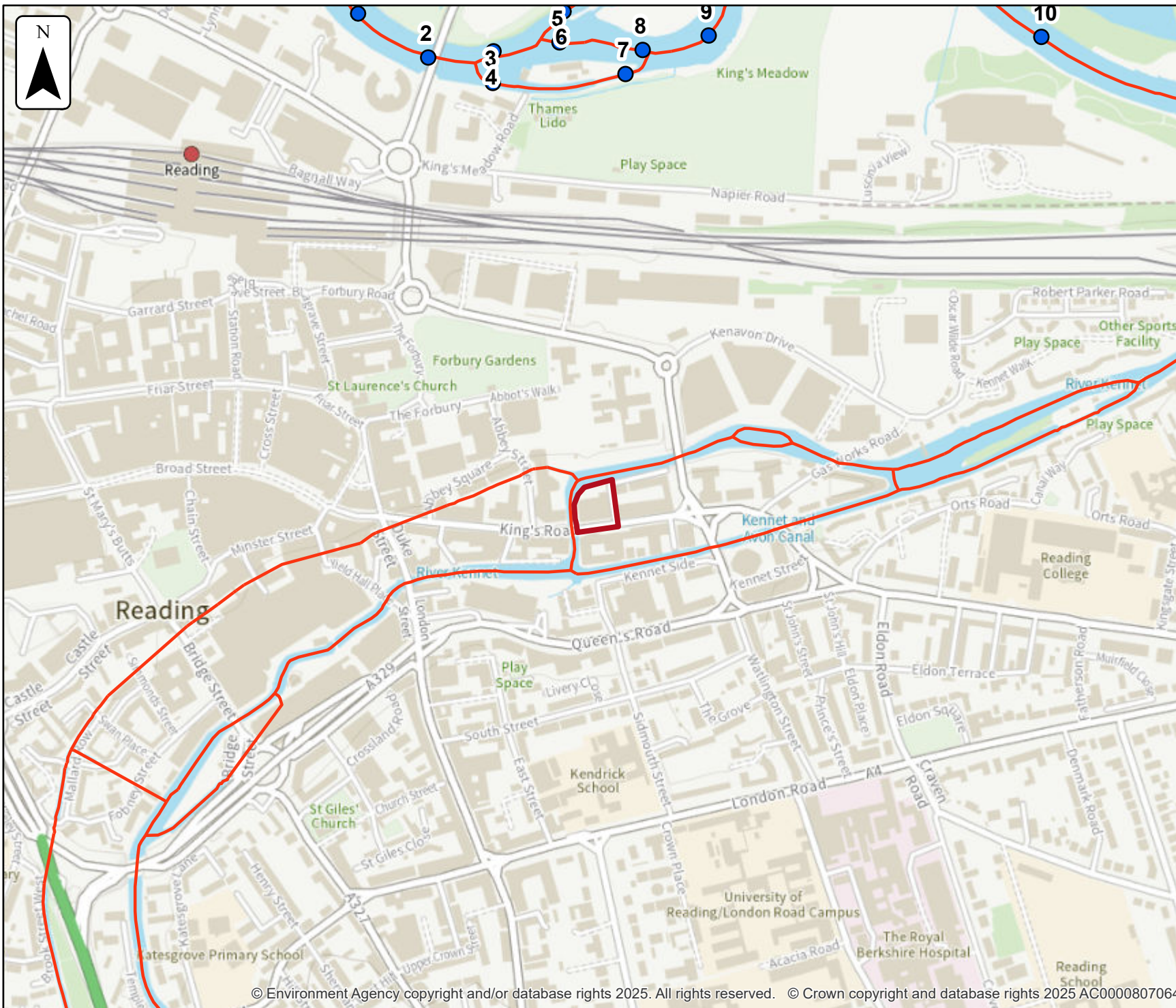


Modelled node locations data

No defences exist climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
				Level	Level	Level	Flow	Flow	Flow
1	1400468	471690	174126	38.11	38.20	38.50	382.10	402.49	471.91
2	1400301	471792	174062	37.89	37.95	38.22	442.77	470.98	560.56
3	1400356	471886	174025	37.76	37.80	38.0	28.11	35.18	118.75
4	1400484	471887	174071	37.76	37.80	38.0	414.46	435.51	456.30
5	1400462	471983	174084	37.71	37.74	37.99	414.68	435.80	456.53
6	1400385	471989	174129	37.71	37.74	37.99	257.24	291.60	365.25
7	1400473	472079	174038	37.77	37.81	38.16	1.95	2.21	5.27
8	1400344	472104	174073	37.29	37.39	37.73	274.48	274.43	274.85
9	1400337	472200	174094	37.28	37.38	37.72	281.18	281.08	281.43
10	1400463	472684	174092	36.95	37.03	37.29	422.12	443.18	511.27

Data in this table comes from the Thames (Pangbourne to Sonning) 2019 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.



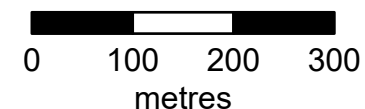
**No defences exist
modelled fluvial
node locations**

Location (easting/northing)
472036/173406

Scale Created
1:7,500 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

No defences exist

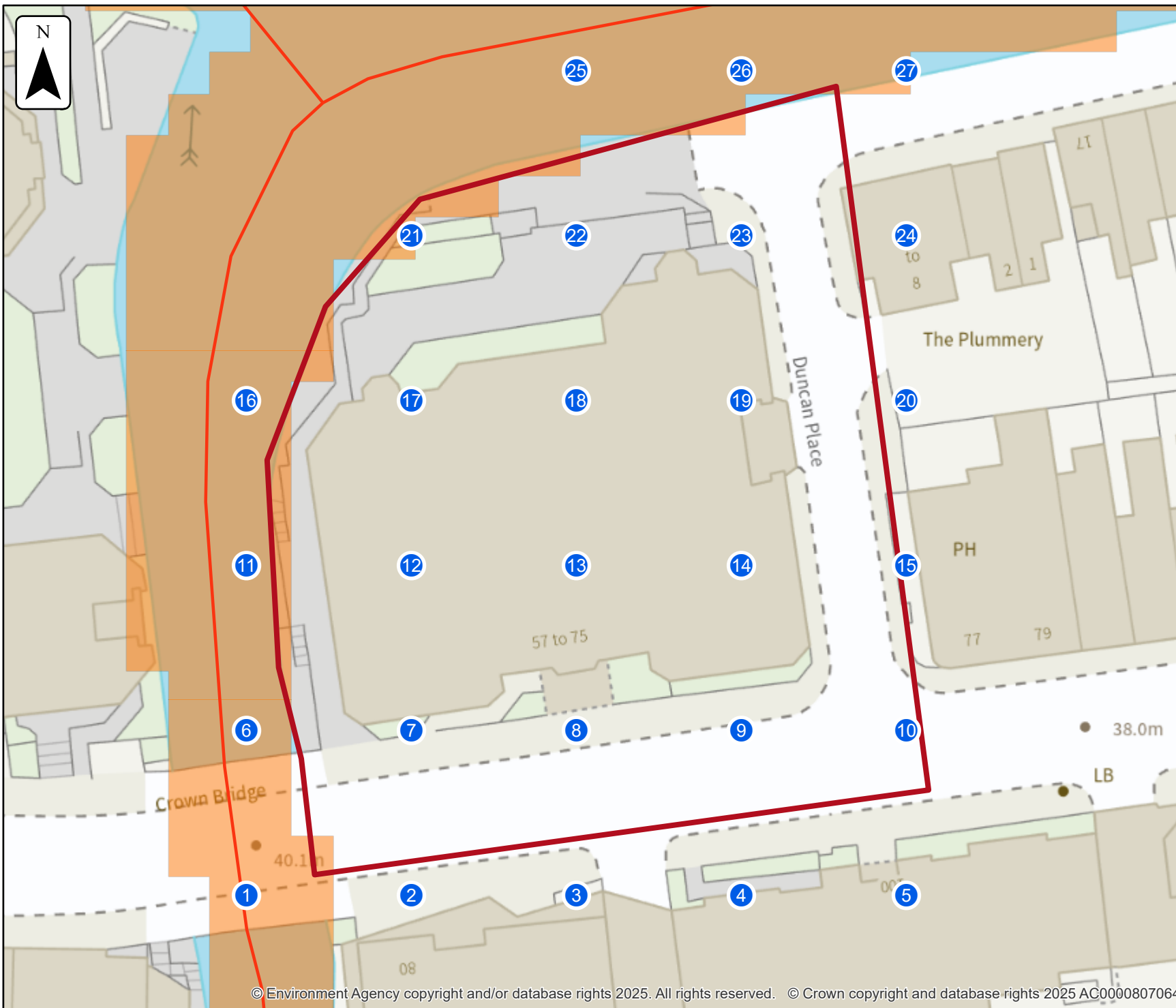
Label	Modelled location ID	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1400468	471690	174126	37.07	37.25	37.46	37.57	37.70	37.79	37.85	38.01	38.27
2	1400301	471792	174062	37.0	37.17	37.35	37.45	37.56	37.64	37.69	37.82	38.01
3	1400356	471886	174025	36.98	37.16	37.33	37.42	37.51	37.57	37.61	37.72	37.83
4	1400484	471887	174071	36.98	37.16	37.33	37.42	37.51	37.57	37.61	37.72	37.83
5	1400462	471983	174084	36.92	37.10	37.28	37.37	37.46	37.53	37.56	37.67	37.77
6	1400385	471989	174129	36.92	37.10	37.28	37.37	37.46	37.53	37.56	37.67	37.77
7	1400473	472079	174038	36.98	37.16	37.33	37.42	37.51	37.57	37.61	37.72	37.85
8	1400344	472104	174073	36.50	36.62	36.74	36.81	36.90	36.98	37.03	37.16	37.46
9	1400337	472200	174094	36.51	36.63	36.74	36.81	36.90	36.98	37.03	37.15	37.45
10	1400463	472684	174092	36.33	36.43	36.51	36.56	36.63	36.70	36.74	36.85	37.09

Data in this table comes from the Thames (Pangbourne to Sonning) 2019 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.

No defences exist

Label	Modelled location ID	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1400468	471690	174126	222.84	251.67	275.79	288.55	306.02	320.38	330.60	353.38	416.55
2	1400301	471792	174062	222.84	252.89	286.01	305.13	330.85	352.57	367.44	402.94	491.56
3	1400356	471886	174025	5.25	5.57	5.83	6.11	7.61	10.01	11.83	21.04	43.44
4	1400484	471887	174071	217.59	247.33	280.19	299.02	323.22	342.59	355.59	382.25	447.69
5	1400462	471983	174084	217.59	247.33	280.16	299.01	323.24	342.56	355.63	382.25	448.11
6	1400385	471989	174129	25.48	36.54	48.89	60.09	81.97	102.84	119.90	204.79	312.16
7	1400473	472079	174038	0.74	0.77	0.81	0.83	0.85	1.01	1.14	1.70	2.52
8	1400344	472104	174073	197.82	218.64	244.99	257.84	268.71	273.66	274.39	274.56	274.45
9	1400337	472200	174094	197.92	220.14	248.90	262.78	274.64	279.82	280.84	281.27	281.08
10	1400463	472684	174092	221.08	252.19	283.37	301.35	325.19	344.68	359.0	389.74	460.07

Data in this table comes from the Thames (Pangbourne to Sonning) 2019 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 extent and height

Location (easting/northing)
472036/173406

Scale Created
1:500 16 May 2025

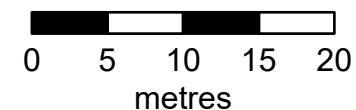
Model name
**Kennet (Tyle Mill to
Thames Confluence)**

- Selected area
- Main river

Modelled 2D grid
Water level in mAOD

- 0 - 4.75
- 4.75 - 9.5
- 9.5 - 14.25
- 14.25 - 19.0
- 19.0 - 23.75
- 23.75 - 28.5
- 28.5 - 33.25
- 33.25 - 38.0
- 38.0 - 42.75

This map shows the
0.1% AEP height data



Sample point data

Defended

Label	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
1	472002	173368	36.60	36.70	36.84	36.88	36.96	36.98	37.25
2	472018	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	472002	173384	36.59	36.69	36.82	36.86	36.94	36.95	37.21
7	472018	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	472002	173400	36.59	36.68	36.82	36.85	36.93	36.94	37.20
12	472018	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
13	472034	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
16	472002	173416	36.58	36.68	36.81	36.84	36.92	36.94	37.19
17	472018	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	472018	173432	36.58	36.67	36.80	36.83	36.91	36.92	37.17
22	472034	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
25	472034	173448	36.57	36.66	36.79	36.82	36.90	36.91	37.16
26	472050	173448	36.57	36.66	36.78	36.81	36.89	36.90	37.14
27	472066	173448	NoData	NoData	36.78	36.81	36.88	36.89	37.14
Max value in selected area:			36.59	36.68	36.82	36.85	36.93	36.94	37.20

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	472002	173368	1.89	1.99	2.13	2.17	2.25	2.27	2.54
2	472018	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	472002	173384	2.15	2.25	2.38	2.42	2.50	2.51	2.77
7	472018	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	472002	173400	2.08	2.17	2.31	2.34	2.42	2.43	2.69
12	472018	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
13	472034	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData
16	472002	173416	2.03	2.13	2.26	2.29	2.37	2.39	2.64
17	472018	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	472018	173432	1.42	1.48	1.56	1.58	1.63	1.64	1.80
22	472034	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData

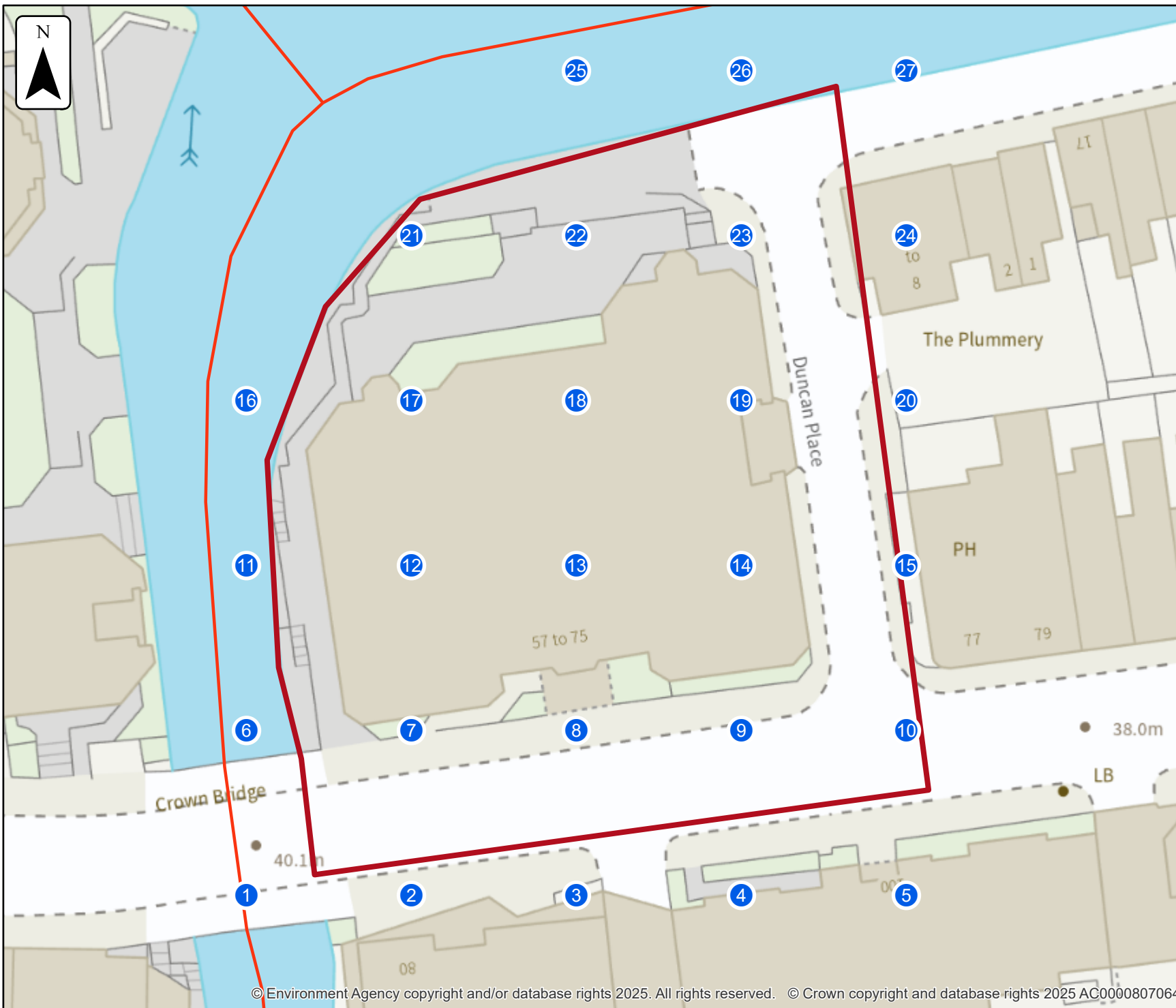
Label	Easting	Northing	50% AEP	20% AEP	5% AEP	3.33% AEP	1.33% AEP	1% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
25	472034	173448	2.16	2.25	2.37	2.40	2.48	2.49	2.74
26	472050	173448	1.03	1.11	1.24	1.27	1.34	1.36	1.60
27	472066	173448	NoData	NoData	0.08	0.11	0.18	0.19	0.43
Max value in selected area:			2.14	2.23	2.35	2.39	2.46	2.48	2.73

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 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.



No defences exist modelled fluvial extent and height

Location (easting/northing)
472036/173406

Scale Created
1:500 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

 Selected area
 Main river

Modelled 2D grid
Water level in mAOD

 36 - 36.125
 36.125 - 36.25
 36.25 - 36.375
 36.375 - 36.5
 36.5 - 36.625
 36.625 - 36.75
 36.75 - 36.875
 36.875 - 37.0
 37.0 - 37.125

This map shows the
0.1% AEP height data


0 5 10 15 20
metres

Sample point data

No defences exist

Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height	Height	Height
1	472002	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	472018	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	472002	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
7	472018	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	472002	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	472018	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height	Height	Height
13	472034	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
16	472002	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
17	472018	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	472018	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	472034	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height	Height	Height
25	472034	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	472050	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
27	472066	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

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

No defences exist

Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	472002	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	472018	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	472002	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
7	472018	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	472002	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	472018	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
13	472034	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
16	472002	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
17	472018	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	472018	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	472034	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

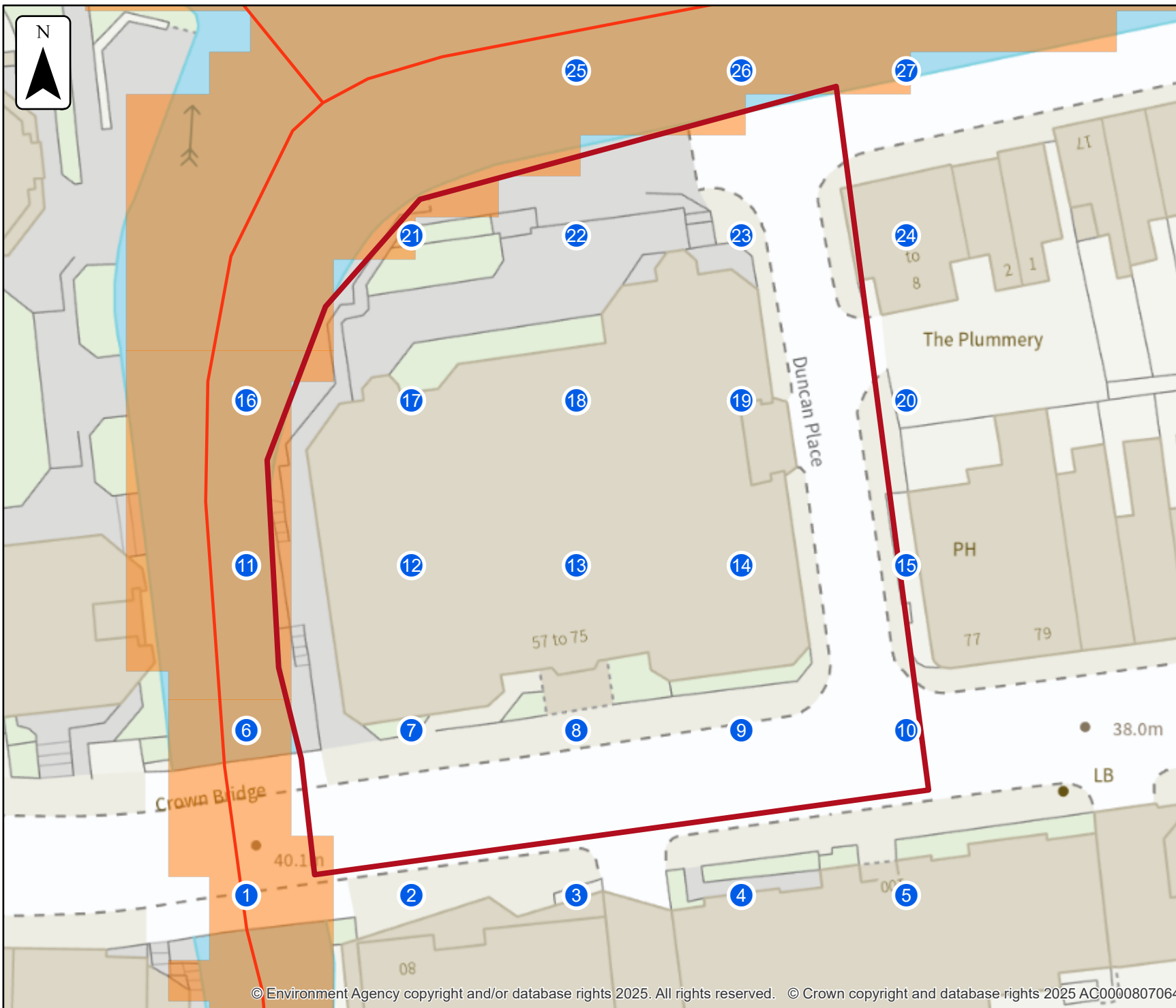
Label	Easting	Northing	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
25	472034	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	472050	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
27	472066	173448	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Thames (Pangbourne to Sonning) 2019 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.



Defended climate change modelled fluvial extent and height

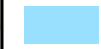
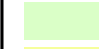
Location (easting/northing)
472036/173406

Scale Created
1:500 16 May 2025

Model name
**Kennet (Tyle Mill to
Thames Confluence)**

 Selected area
 Main river

Modelled 2D grid
Water level in mAOD

 0 - 4.75
 4.75 - 9.5
 9.5 - 14.25
 14.25 - 19.0
 19.0 - 23.75
 23.75 - 28.5
 28.5 - 33.25
 33.25 - 38.0
 38.0 - 42.75

This map shows the
1% AEP +70% height data


0 5 10 15 20
metres

Sample point data

Defended climate change

Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Height
1	472002	173368	37.10	37.17	37.22	37.42
2	472018	173368	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData
6	472002	173384	37.07	37.14	37.18	37.38
7	472018	173384	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData
11	472002	173400	37.06	37.13	37.17	37.37
12	472018	173400	NoData	NoData	NoData	NoData

Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Height
13	472034	173400	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData
16	472002	173416	37.05	37.11	37.16	37.35
17	472018	173416	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData
21	472018	173432	37.03	37.10	37.14	37.33
22	472034	173432	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData

Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Height
25	472034	173448	37.01	37.08	37.13	37.31
26	472050	173448	37.01	37.07	37.12	37.30
27	472066	173448	37.00	37.06	37.11	37.29
Max value in selected area:			37.05	37.12	37.17	37.36

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 model. Height values are shown in mAOD, and depth values are shown in metres.

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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

Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Depth	Depth	Depth	Depth
1	472002	173368	2.38	2.46	2.51	2.71
2	472018	173368	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData
6	472002	173384	2.62	2.69	2.74	2.94
7	472018	173384	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData
11	472002	173400	2.54	2.61	2.66	2.85
12	472018	173400	NoData	NoData	NoData	NoData

Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Depth	Depth	Depth	Depth
13	472034	173400	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData
16	472002	173416	2.50	2.56	2.61	2.80
17	472018	173416	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData
21	472018	173432	1.71	1.75	1.78	1.90
22	472034	173432	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData

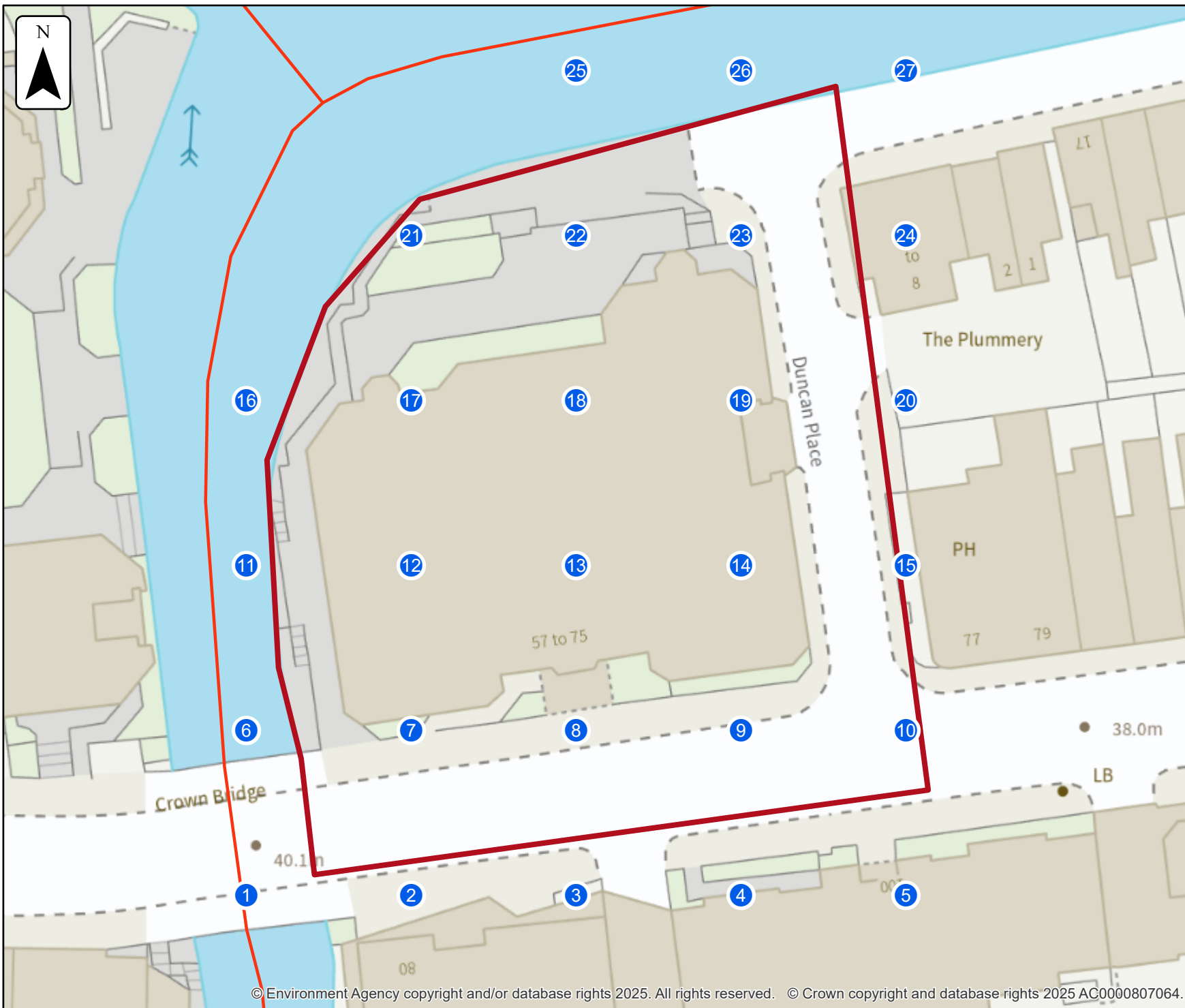
Label	Easting	Northing	1% AEP (+15%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Depth	Depth	Depth	Depth
25	472034	173448	2.60	2.66	2.71	2.90
26	472050	173448	1.46	1.53	1.57	1.76
27	472066	173448	0.30	0.36	0.41	0.59
Max value in selected area:			2.58	2.65	2.70	2.88

Data in this table comes from the Kennet (Tyle Mill to Thames Confluence) 2018 model. Height values are shown in mAOD, and depth values are shown in metres.

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



No defences exist climate change modelled fluvial extent and height

Location (easting/northing)
472036/173406

Scale Created
1:500 16 May 2025

Model name
**Thames (Pangbourne
Sonning) 2019**

Selected area
 Main river

Modelled 2D grid
Water level in mAOD

0 - 4.75
 4.75 - 9.5
 9.5 - 14.25
 14.25 - 19.0
 19.0 - 23.75
 23.75 - 28.5
 28.5 - 33.25
 33.25 - 38.0
 38.0 - 42.75

This map shows the
1% AEP +70% height data

0 5 10 15 20
metres

Sample point data

No defences exist climate change

Label	Easting	Northing	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Depth	Depth	Depth
1	472002	173368	NoData	NoData	NoData	NoData	NoData	NoData
2	472018	173368	NoData	NoData	NoData	NoData	NoData	NoData
3	472034	173368	NoData	NoData	NoData	NoData	NoData	NoData
4	472050	173368	NoData	NoData	NoData	NoData	NoData	NoData
5	472066	173368	NoData	NoData	NoData	NoData	NoData	NoData
6	472002	173384	NoData	NoData	NoData	NoData	NoData	NoData
7	472018	173384	NoData	NoData	NoData	NoData	NoData	NoData
8	472034	173384	NoData	NoData	NoData	NoData	NoData	NoData
9	472050	173384	NoData	NoData	NoData	NoData	NoData	NoData
10	472066	173384	NoData	NoData	NoData	NoData	NoData	NoData
11	472002	173400	NoData	NoData	NoData	NoData	NoData	NoData
12	472018	173400	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Depth	Depth	Depth
13	472034	173400	NoData	NoData	NoData	NoData	NoData	NoData
14	472050	173400	NoData	NoData	NoData	NoData	NoData	NoData
15	472066	173400	NoData	NoData	NoData	NoData	NoData	NoData
16	472002	173416	NoData	NoData	NoData	NoData	NoData	NoData
17	472018	173416	NoData	NoData	NoData	NoData	NoData	NoData
18	472034	173416	NoData	NoData	NoData	NoData	NoData	NoData
19	472050	173416	NoData	NoData	NoData	NoData	NoData	NoData
20	472066	173416	NoData	NoData	NoData	NoData	NoData	NoData
21	472018	173432	NoData	NoData	NoData	NoData	NoData	NoData
22	472034	173432	NoData	NoData	NoData	NoData	NoData	NoData
23	472050	173432	NoData	NoData	NoData	NoData	NoData	NoData
24	472066	173432	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+25%)	1% AEP (+35%)	1% AEP (+70%)
			Height	Height	Height	Depth	Depth	Depth
25	472034	173448	NoData	NoData	NoData	NoData	NoData	NoData
26	472050	173448	NoData	NoData	NoData	NoData	NoData	NoData
27	472066	173448	NoData	NoData	NoData	NoData	NoData	NoData
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Thames (Pangbourne to Sonning) 2019 model. Height values are shown in mAOD, and depth values are shown in metres.

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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 Reading.

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 Thames Environment Agency team at enquiries_thm@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