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Flood Risk Assessment Statement Proposed New Clubhouse & Community Hub Clitheroe Football Club, Shawbridge Street, Clitheroe

- i. The site is within Flood Zones 3 & 2 - Grid Ref: SD 374751 441789 as identified on Environment Agency Flood Map
- ii. Existing minimum ground level is 76.91m above Ordnance Survey Datum level.
- iii. There are no flood defences protecting this site.
- iv. The historic flood level data obtained from Environment Agency is less than 250mm depth
- v. The proposed development ground levels will be as existing ground level.
- vi. Surface water will be dealt with by using the existing existing surface water drainage system at the site.
- vii. There are to be minor alterations to the existing drainage installation. The proposals will have no impact on the impact on the risk of flooding or drainage on this, or any other site.

Environment Agency data is included in Appendix A

APPENDIX A

ENVIRONMENT AGENCY DATA

Flood risk assessment data

Location of site: 374746 / 441789 (shown as easting and northing coordinates)

Document created on: 27 February 2025

This information was previously known as a product 4.

Customer reference number: MNUV9NRFDHJK

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
- climate change 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

Use the [long term flood risk service](#) to find out about the risk of flooding from:

- surface water
- ordinary watercourses
- reservoirs

Or you can contact your Lead Local Flood Authority for further information.

Your Lead Local Flood Authority is Lancashire County.

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

About the model used

Model name: Mearley Brook 2018

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

Date: 1 December 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

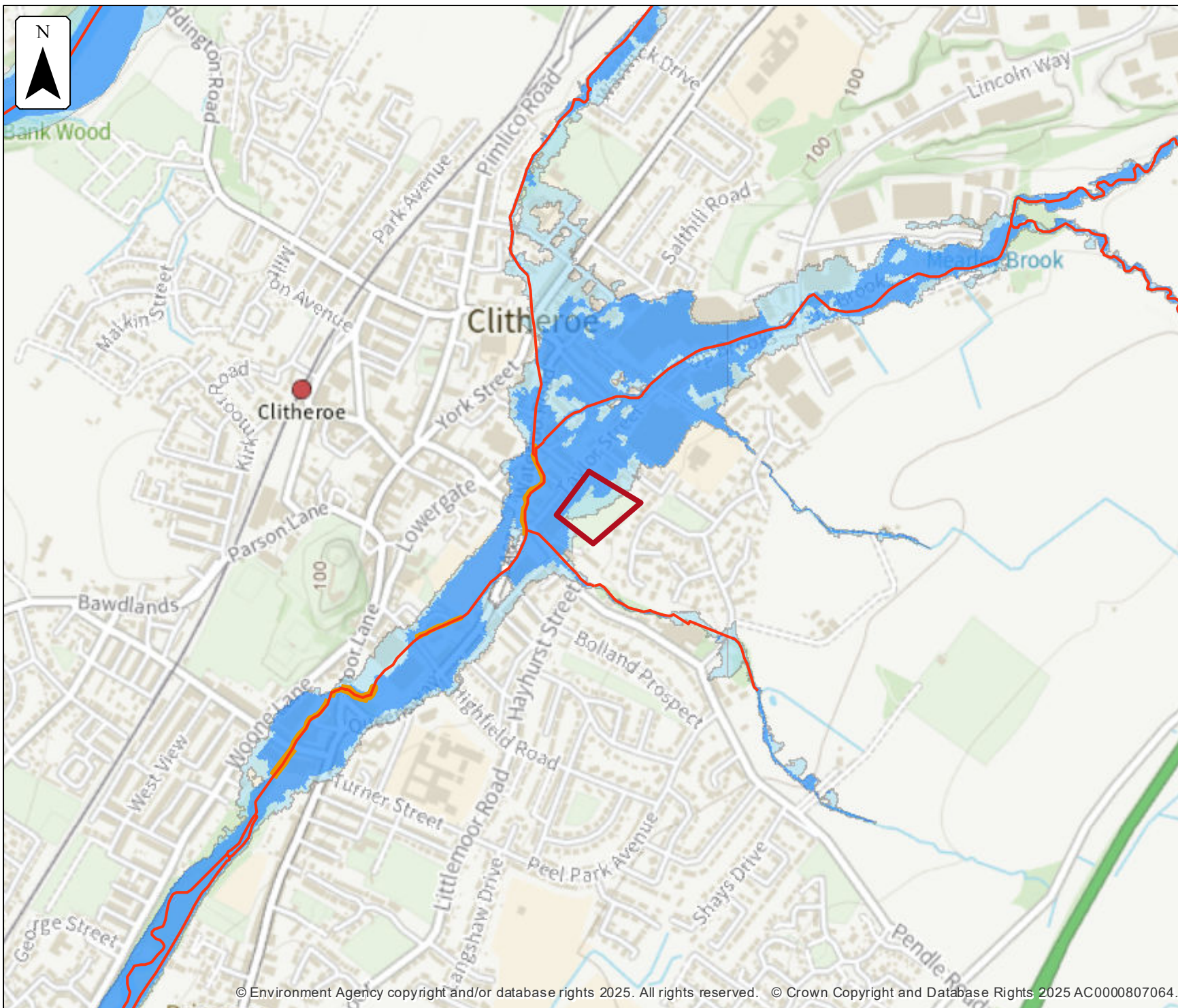
Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- 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

The flood zones are not currently being updated. The last update was in November 2023. Some of the flood zones may have changed, however all source data is included in the models below.



Flood map for planning

Location (easting/northing)
374746/441789

Scale
1:10,000

Created
27 Feb 2025

-  Selected area
-  Main river
-  Flood defence
-  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

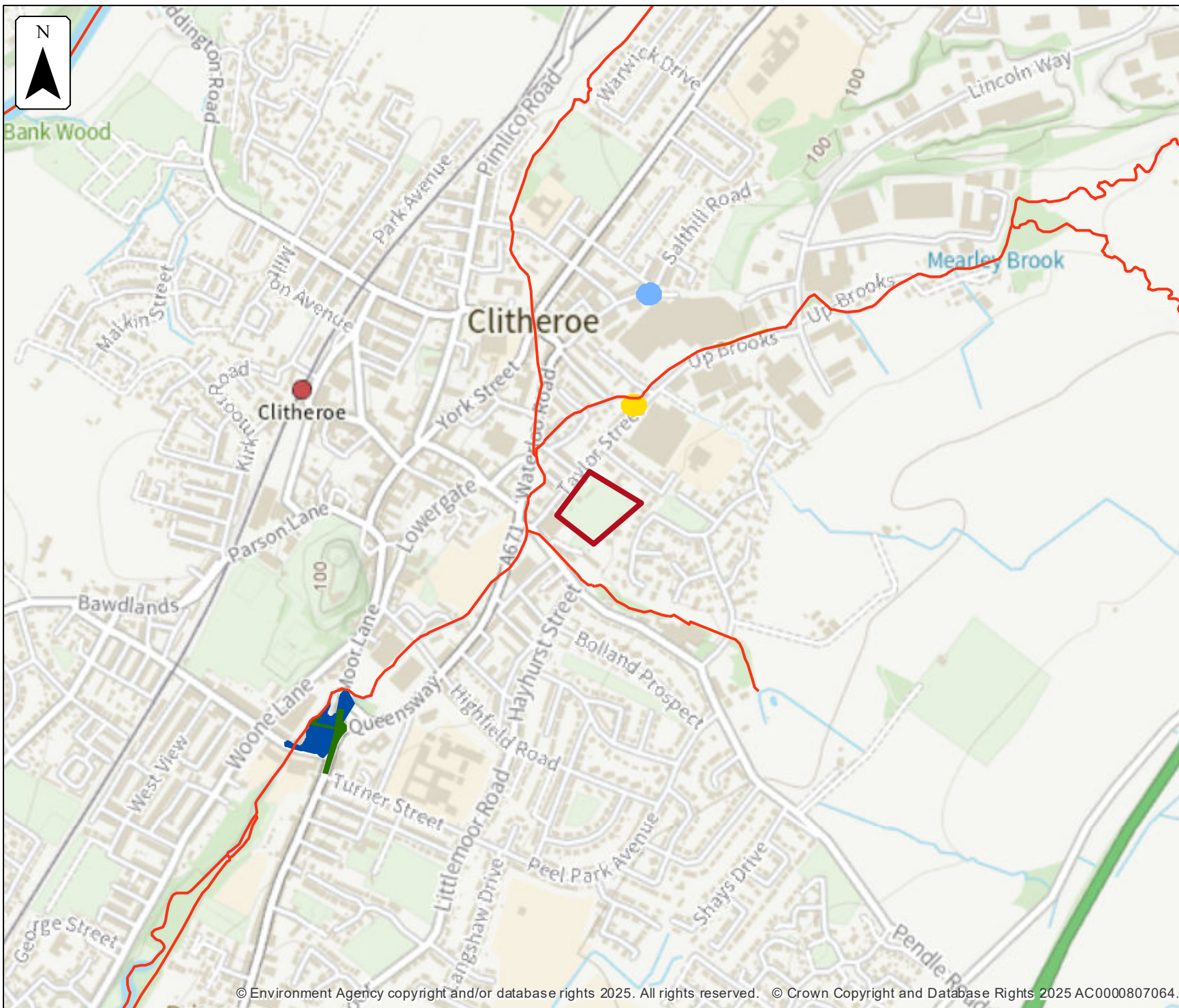
The recorded flood outlines are a geographical information system (GIS) data layer that show our verified records of areas that have flooded in the past from:

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



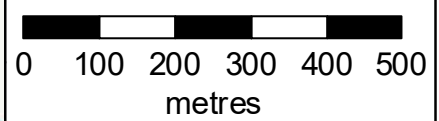
Past floods

Location (easting/northing)
374746/441789

Scale
1:10,000

Created
27 Feb 2025

-  Selected area
-  Main river
- Date of flood event
 -  August, 2016
 -  December, 2015
 -  July, 2007
 -  September, 1999
 -  February, 1999



Data on past flood events

Start date	End date	Source of flood	Cause of flood	Affects location
22 August 2016	23 August 2016	main river	channel capacity exceeded (no raised defences)	No
26 December 2015	27 December 2015	unknown	unknown	No
3 July 2007	4 July 2007	ordinary watercourse	obstruction/blockage - culvert	No
29 September 1999	30 September 1999	main river	channel capacity exceeded (no raised defences)	No
19 February 1999	20 February 1999	main river	other	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



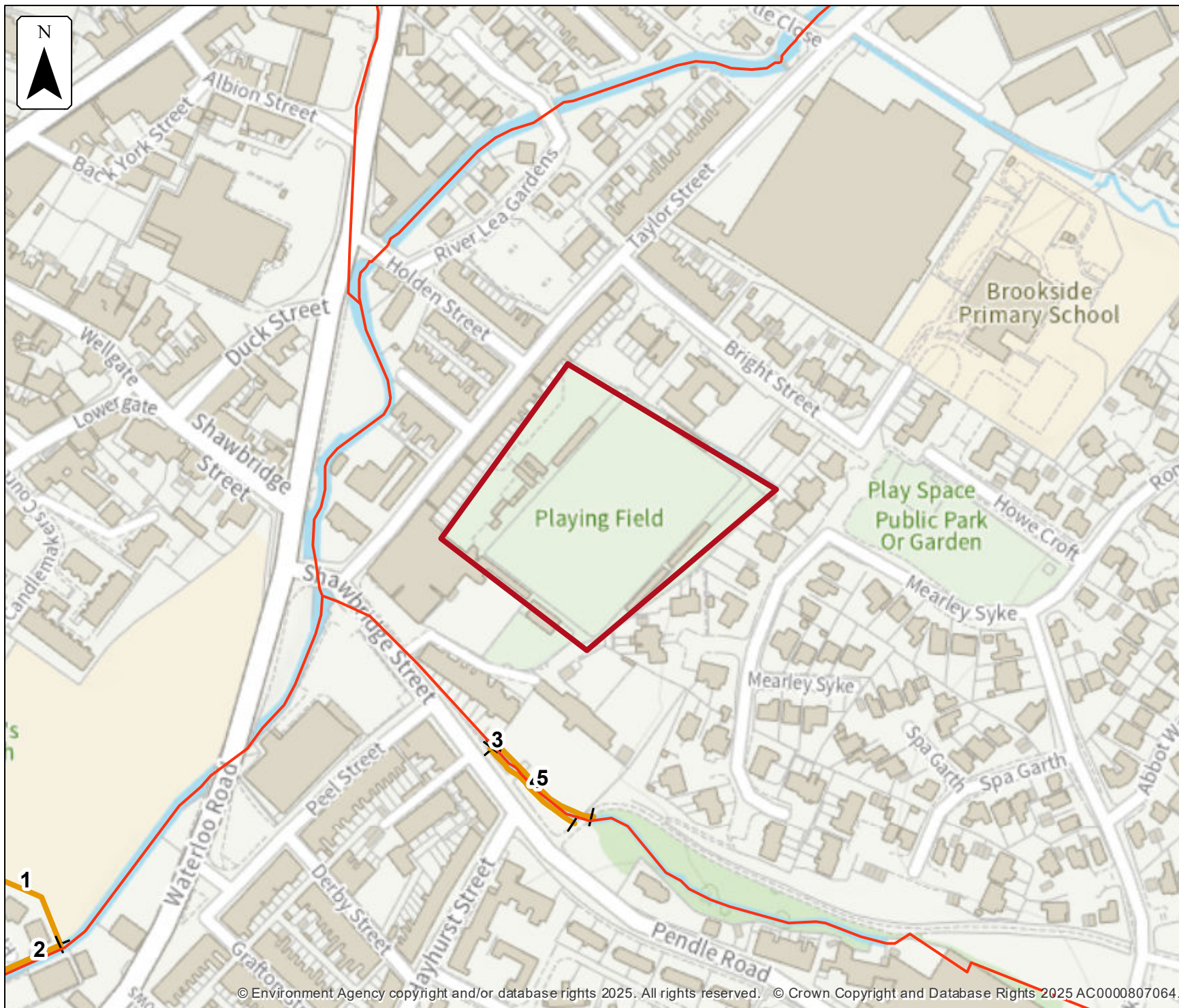
Flood defences

Location (easting/northing)
374746/441789

Scale
1:2,500

Created
27 Feb 2025

-  Selected area
-  Main river
-  Flood defence



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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	148799	Embankment	50	Fair	73.79	74.47	73.79
2	66677	Wall	100	Fair	74.95	75.76	74.95
3	536674	Flood Gate		Good	77.10	77.10	77.10
4	148786	Wall	10	Fair	78.25	79.30	78.25
5	150181	Engineered High Ground	10	Fair	78.10	79.90	78.10

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

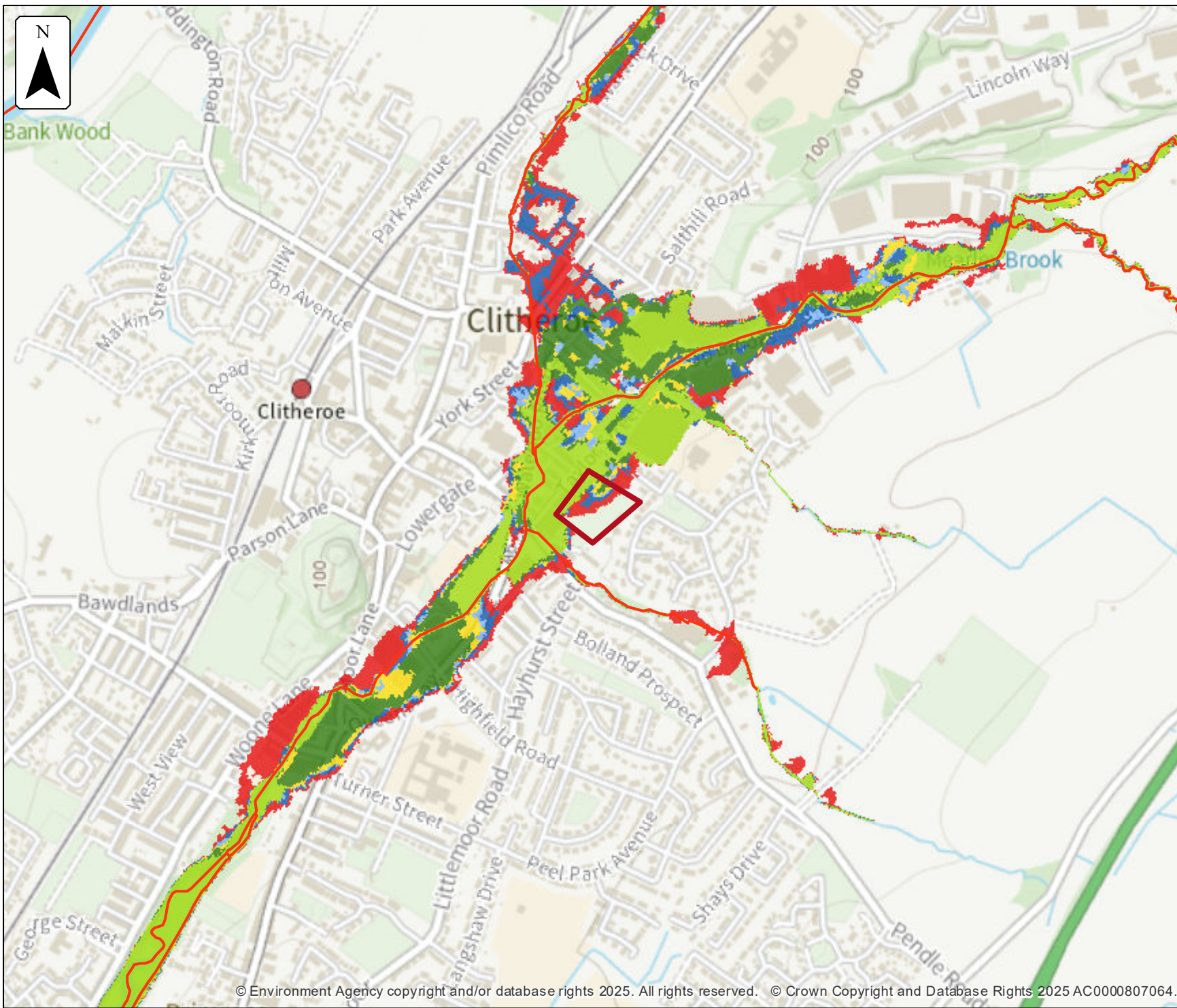
The climate change data included in the models may not include the latest [flood risk assessment climate change allowances](#). Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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
- Defences removed modelled fluvial: risk of flooding from rivers 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
- Defences removed climate change modelled fluvial: risk of flooding from rivers where flood defences have been removed, including estimated impact of climate change



Defended modelled fluvial extent

Location (easting/northing)
374746/441789

Scale Created
1:10,000 27 Feb 2025

Model name
Mearley Brook 2018

 Selected area

 Main river

Modelled flood extent

 5% AEP

 2% AEP

 1.33% AEP

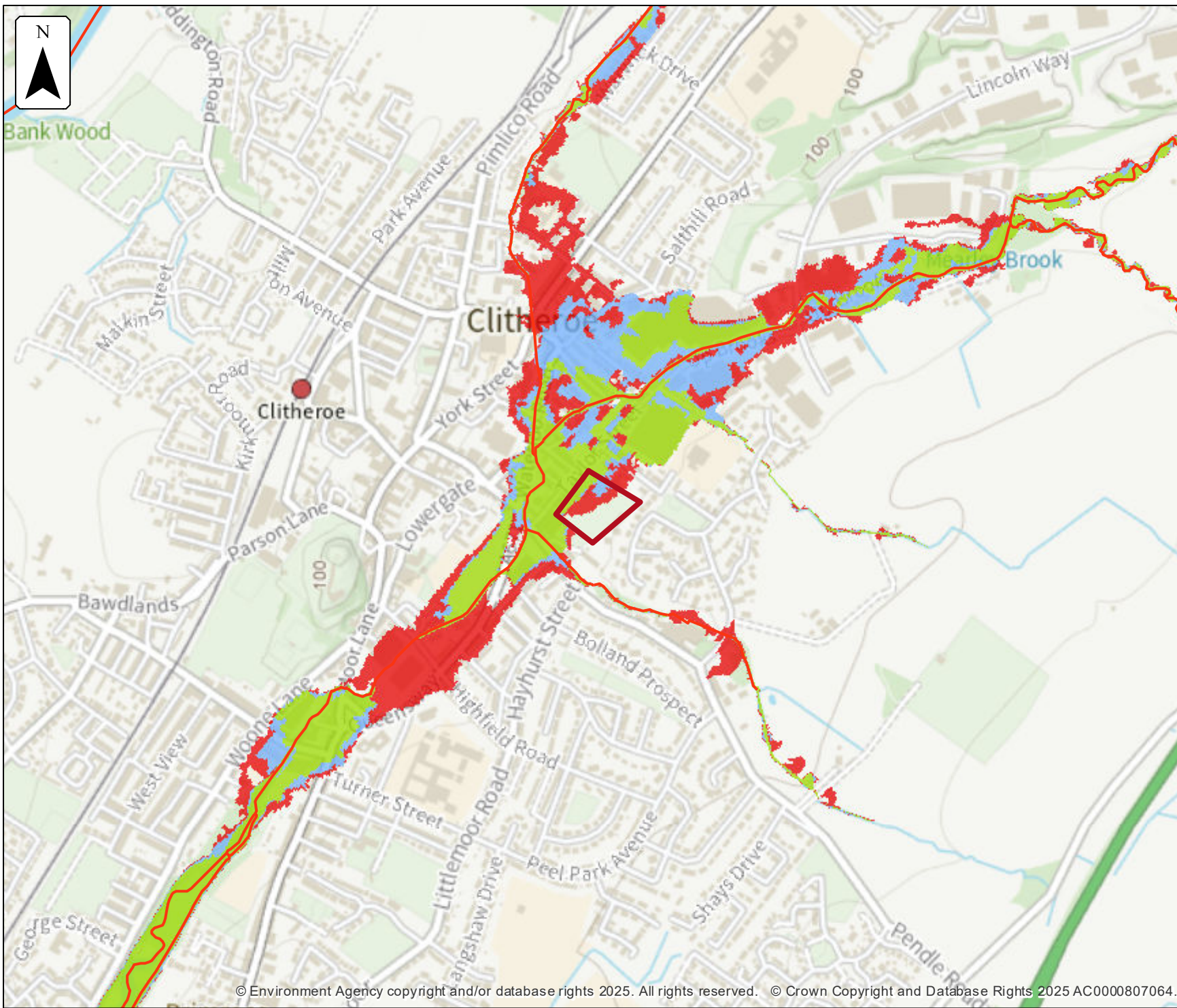
 1% AEP

 0.5% AEP

 0.1% AEP

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


0 100 200 300 400 500
metres



Defences removed modelled fluvial extent

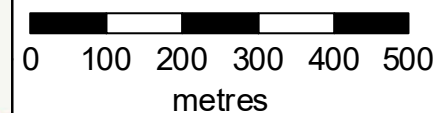
Location (easting/northing)
374746/441789

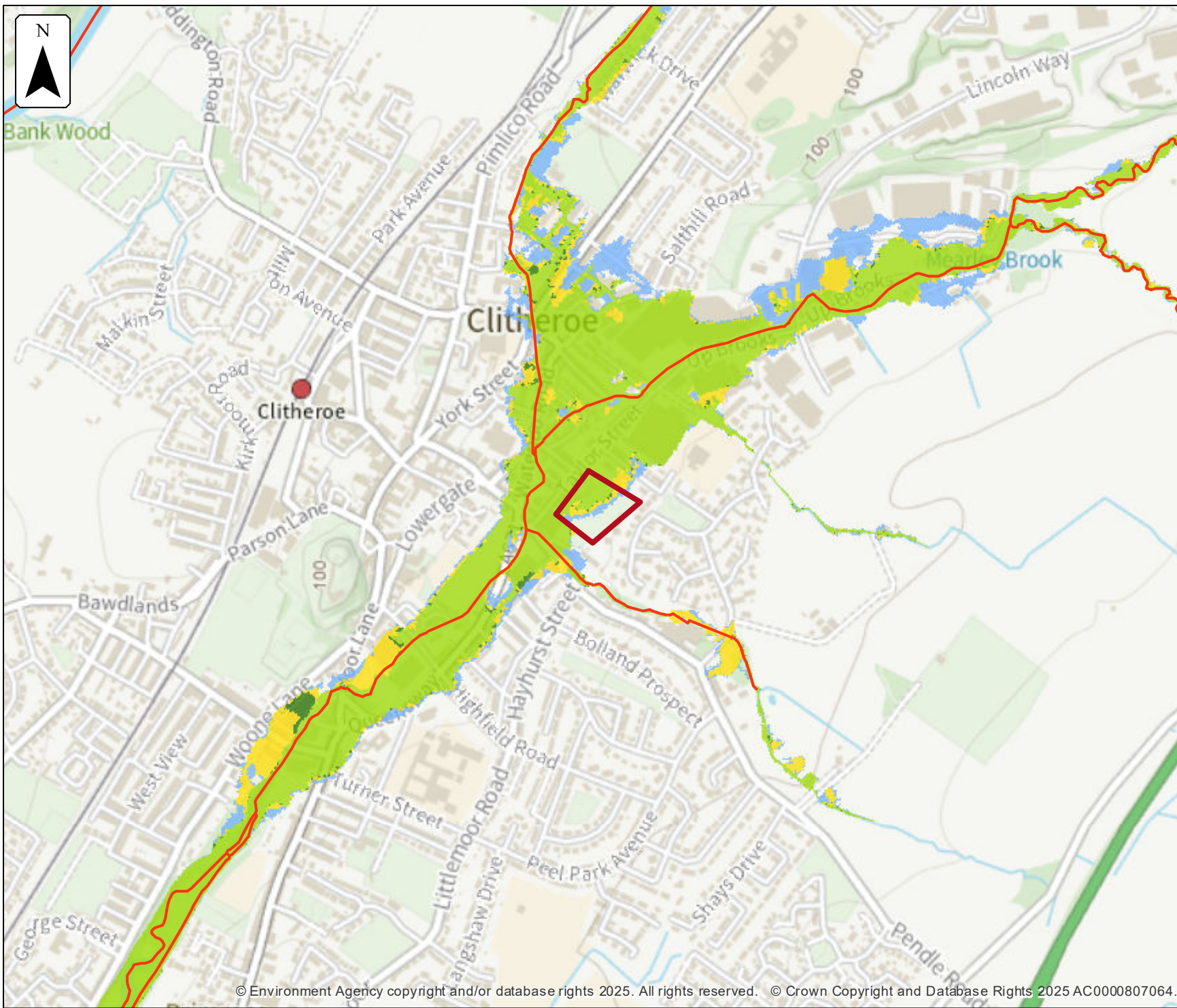
Scale Created
1:10,000 27 Feb 2025

Model name
Mearley Brook 2018

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

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





Defended climate change modelled fluvial extent

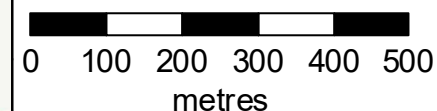
Location (easting/northing)
374746/441789

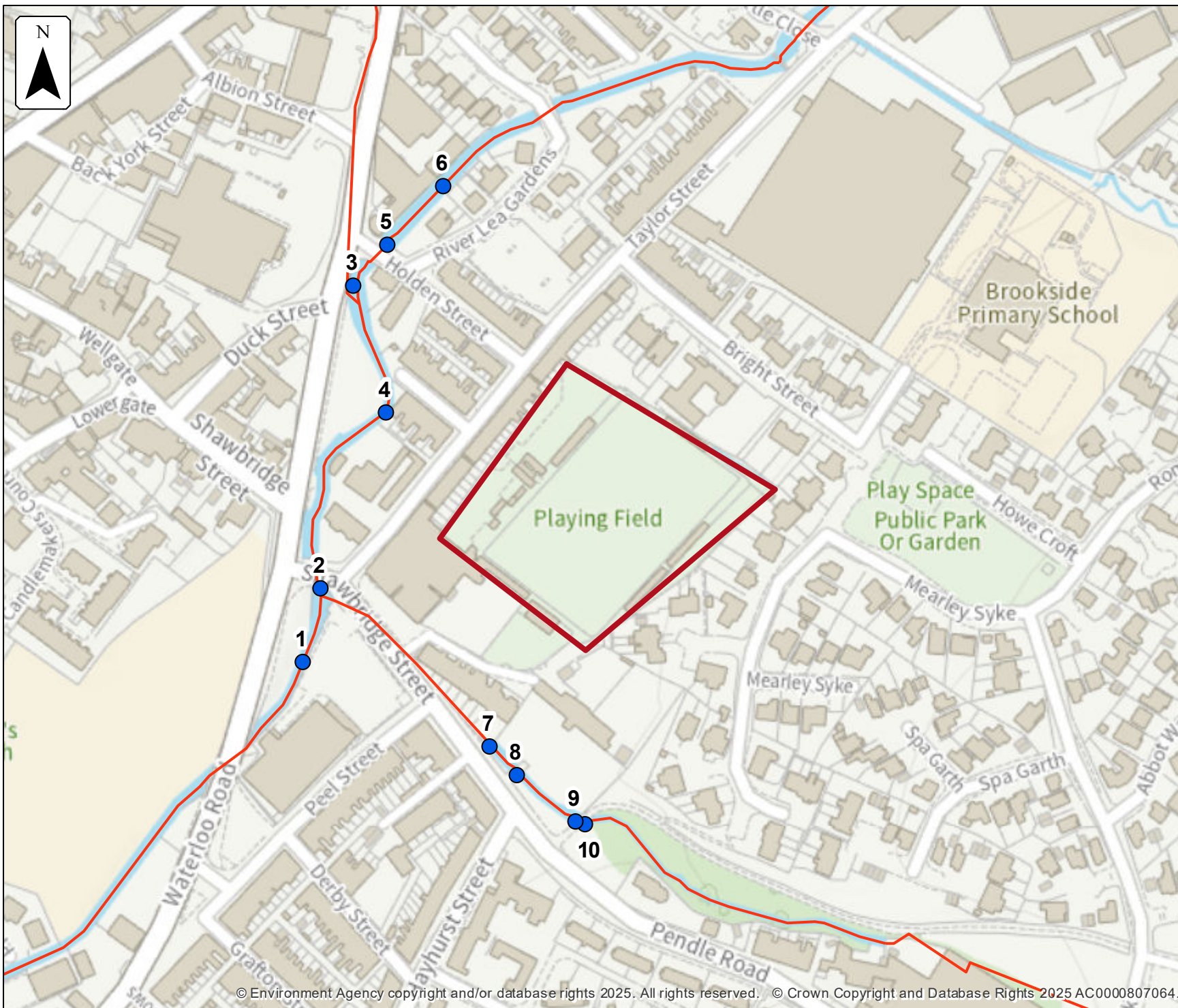
Scale Created
1:10,000 27 Feb 2025

Model name
Mearley Brook 2018

- Selected area
- Main river
- Modelled flood extent
 - 1% AEP (+30%)
 - 1% AEP (+35%)
 - 1% AEP (+70%)
 - 0.1% AEP (+30%)

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





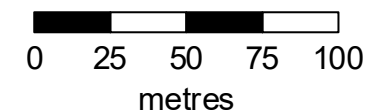
Defended modelled fluvial node locations

Location (easting/northing)
374746/441789

Scale Created
1:2,500 27 Feb 2025

Model name
Mearley Brook 2018

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defended

Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% 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	Level	Level
1	982284	374604	441713	73.84	74.07	74.30	74.52	74.57	74.61	74.73	74.83	74.90	75.06	75.40
2	982432	374612	441749	74.34	74.62	74.80	74.97	75.01	75.05	75.14	75.22	75.27	75.40	75.67
3	982290	374628	441896	75.04	75.35	75.46	75.55	75.58	75.59	75.64	75.69	75.72	75.82	76.07
4	982301	374644	441834	74.73	75.03	75.18	75.34	75.39	75.42	75.52	75.59	75.63	75.74	75.94
5	982444	374645	441916	75.24	75.60	75.73	75.83	75.85	75.86	75.90	75.93	75.96	76.02	76.20
6	982299	374672	441944	75.31	75.65	75.76	75.84	75.86	75.87	75.89	75.92	75.93	75.98	76.15
7	982264	374694	441672	75.36	75.46	75.54	75.61	75.63	75.66	75.83	76.07	76.26	76.85	77.74
8	982352	374708	441658	76.41	76.48	76.53	76.58	76.59	76.61	76.65	76.68	76.72	76.98	77.98
9	982269	374736	441636	77.12	77.17	77.22	77.26	77.28	77.29	77.33	77.36	77.38	77.49	78.03
10	982267	374740	441635	77.13	77.18	77.22	77.27	77.28	77.30	77.34	77.37	77.39	77.49	78.04

Data in this table comes from the Mearley Brook 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.

If no level or flow data is available for a scenario, no table will be shown.

Defended

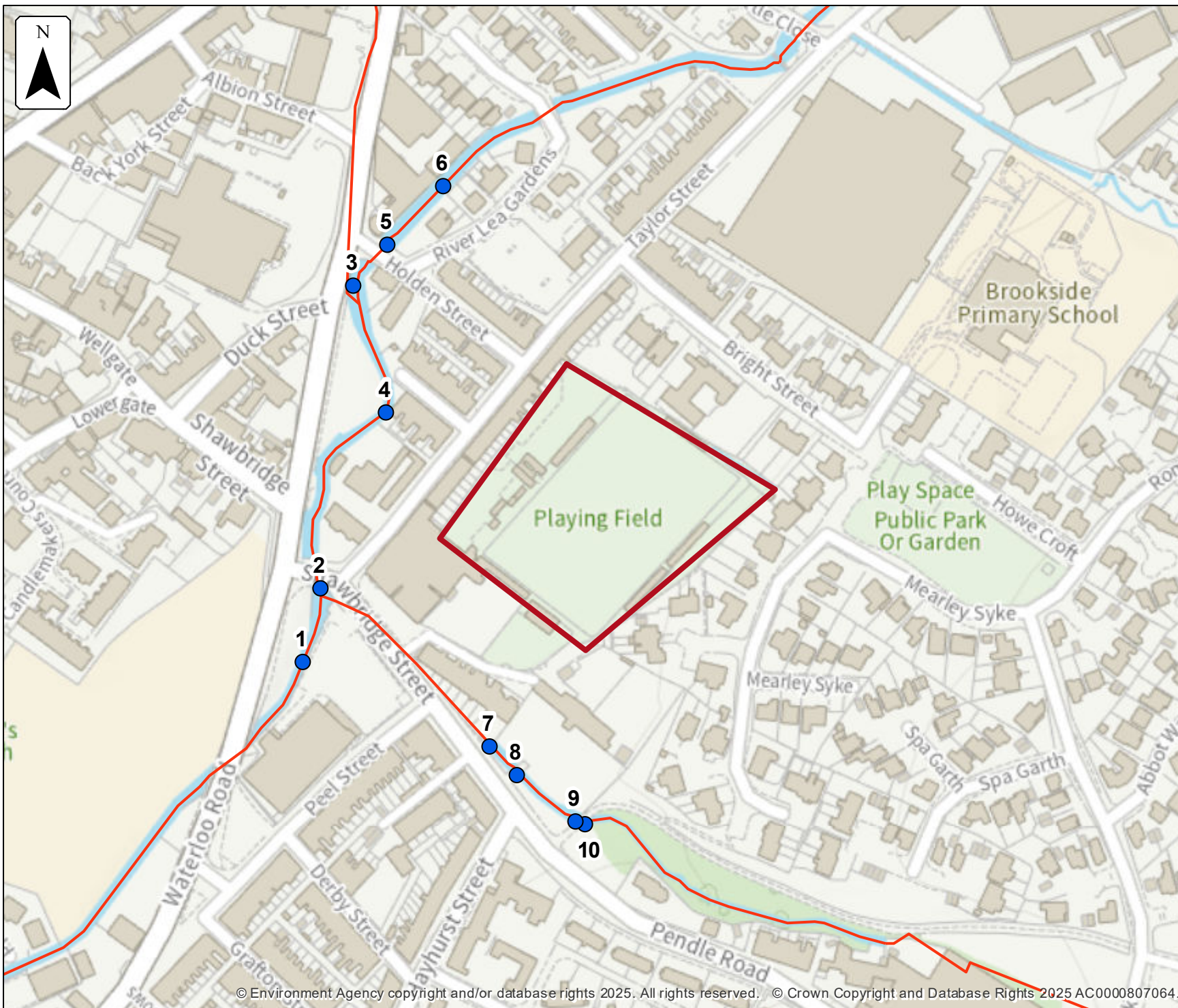
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	982284	374604	441713	11.63	14.81	16.71	18.68	19.17	19.60	20.78	21.60	22.11	23.34	25.27
2	982432	374612	441749	11.63	14.81	16.67	18.47	18.87	19.21	20.17	20.79	21.15	21.88	22.61
3	982290	374628	441896	10.34	13.07	14.10	14.84	15.01	15.15	15.50	15.76	15.92	16.29	16.96
4	982301	374644	441834	10.39	13.13	14.24	14.76	14.84	14.88	15.01	15.11	15.18	15.28	18.16
5	982444	374645	441916	8.77	11.02	11.48	11.58	11.60	11.60	11.64	11.69	11.71	11.74	11.63
6	982299	374672	441944	8.77	11.78	13.92	15.97	16.46	16.88	17.89	18.78	19.25	20.28	21.44
7	982264	374694	441672	1.17	1.57	1.89	2.22	2.33	2.43	2.75	3.02	3.23	3.85	4.69
8	982352	374708	441658	1.17	1.57	1.89	2.22	2.33	2.43	2.75	3.02	3.25	3.86	6.04
9	982269	374736	441636	1.17	1.57	1.89	2.22	2.33	2.43	2.75	3.02	3.24	3.86	6.04
10	982267	374740	441635	1.17	1.57	1.89	2.22	2.33	2.43	2.75	3.02	3.24	3.86	6.04

Data in this table comes from the Mearley Brook 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.

If no level or flow data is available for a scenario, no table will be shown.



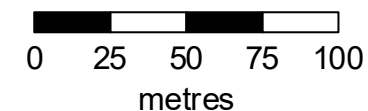
Defences removed modelled fluvial node locations

Location (easting/northing)
374746/441789

Scale Created
1:2,500 27 Feb 2025

Model name
Mearley Brook 2018

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defences removed

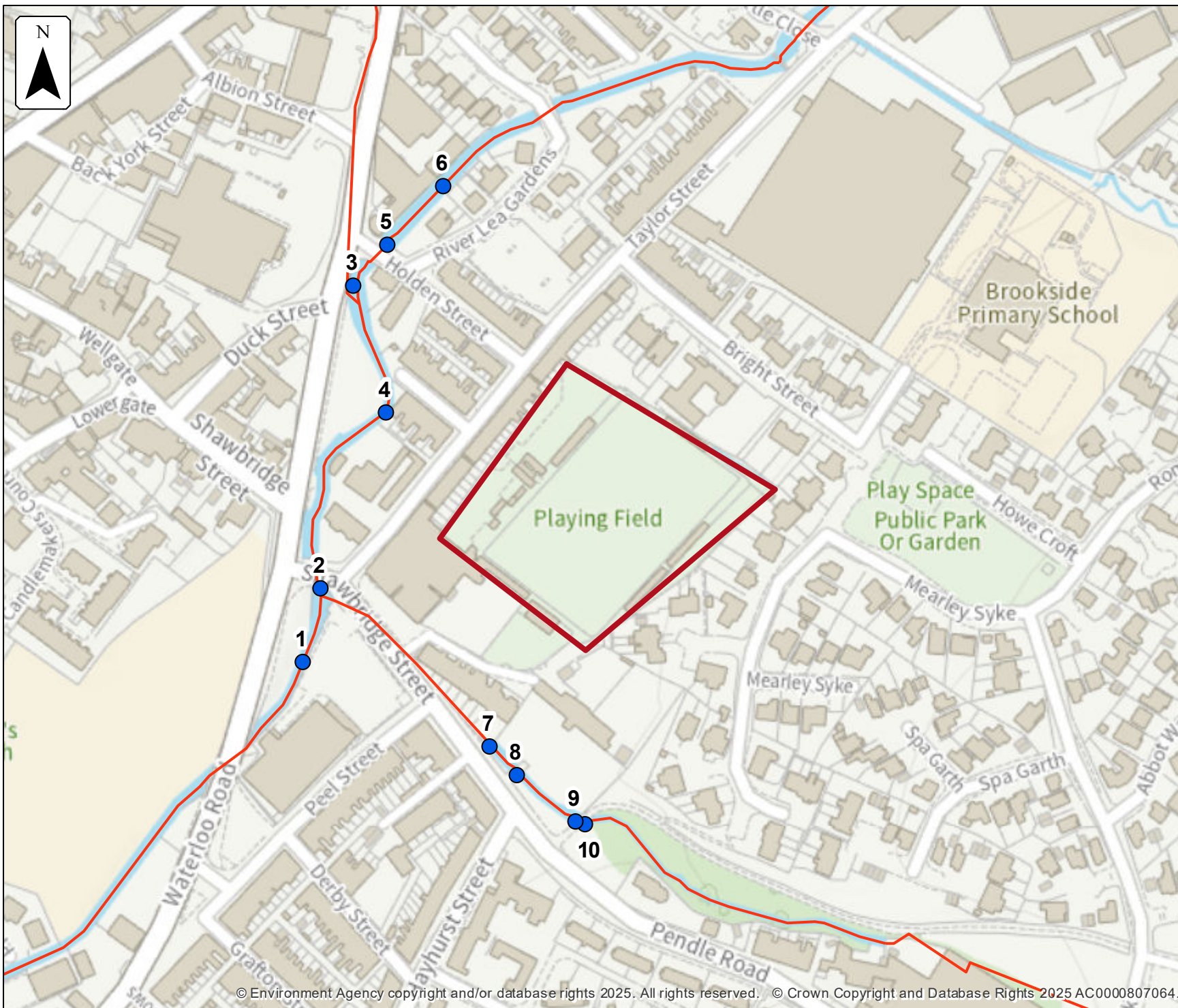
Label	Modelled location ID	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
				Level	Level	Level	Flow	Flow	Flow
1	982284	374604	441713	74.45	74.79	75.34	19.54	22.14	24.78
2	982432	374612	441749	75.0	75.22	75.62	19.52	21.50	22.07
3	982290	374628	441896	75.46	75.63	75.96	15.51	16.36	17.26
4	982301	374644	441834	75.40	75.60	75.93	12.62	12.66	12.70
5	982444	374645	441916	75.78	75.92	76.16	12.53	12.67	12.66
6	982299	374672	441944	75.81	75.91	76.11	16.05	19.44	21.81
7	982264	374694	441672	75.61	76.21	76.53	2.22	3.23	3.46
8	982352	374708	441658	76.58	76.72	76.99	2.22	3.25	5.70
9	982269	374736	441636	77.26	77.38	77.66	2.22	3.24	6.04
10	982267	374740	441635	77.27	77.39	77.66	2.22	3.24	6.04

Data in this table comes from the Mearley Brook 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.

If no level or flow data is available for a scenario, no table will be shown.



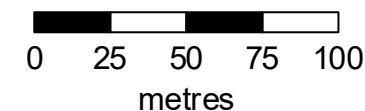
**Defended
climate change
modelled fluvial
node locations**

Location (easting/northing)
374746/441789

Scale Created
1:2,500 27 Feb 2025

Model name
Mearley Brook 2018

- Selected area
- Modelled location
- Main river



Modelled node locations data

Defended climate change

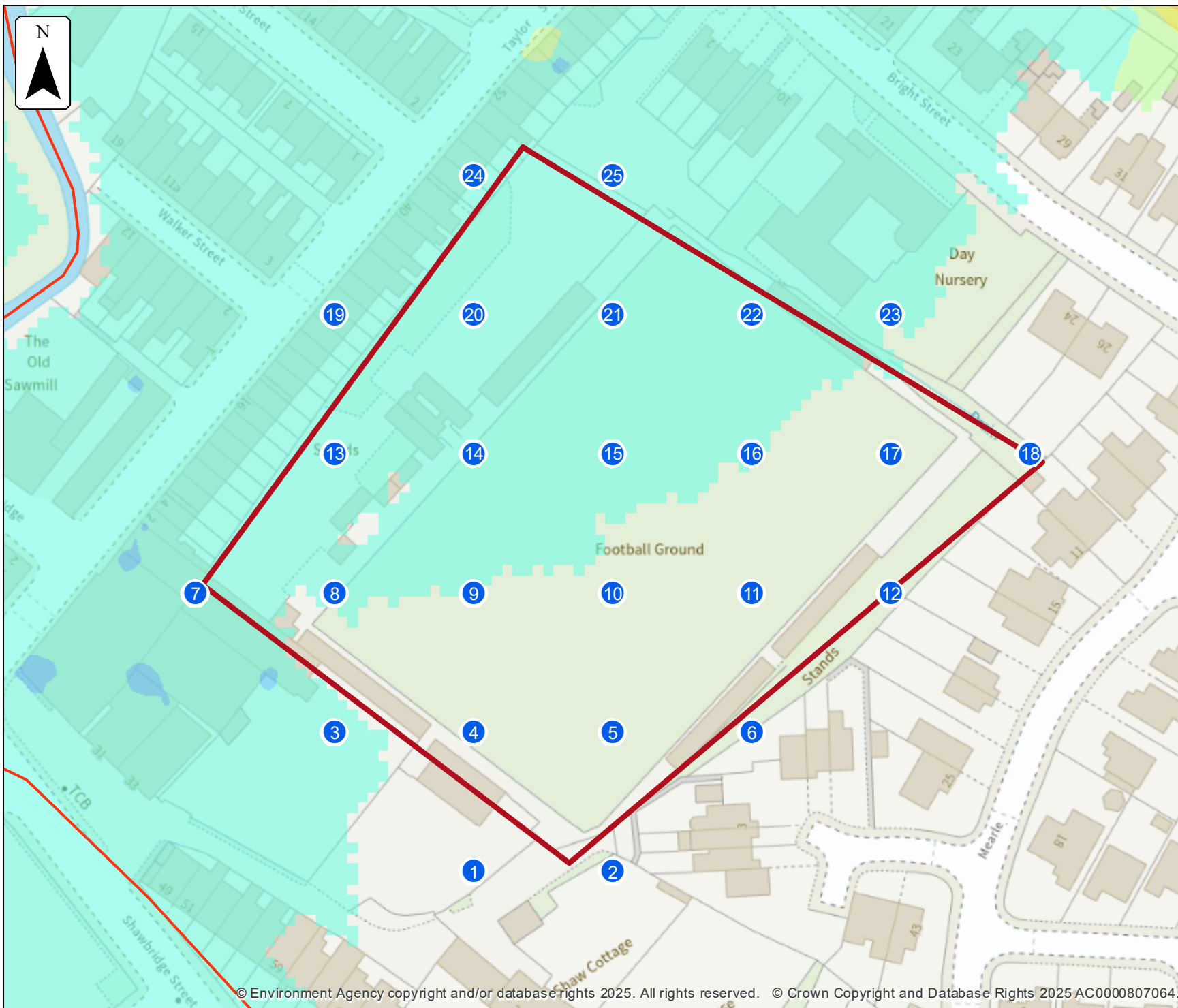
Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level	Flow	Flow	Flow	Flow
1	982284	374604	441713	75.13	75.16	75.32	75.59	23.86	24.08	24.98	26.04
2	982432	374612	441749	75.45	75.47	75.60	75.84	22.14	22.24	22.55	22.68
3	982290	374628	441896	75.87	75.89	76.01	76.21	16.43	16.51	16.81	17.12
4	982301	374644	441834	75.78	75.80	75.89	76.04	15.31	15.32	16.78	22.02
5	982444	374645	441916	76.05	76.06	76.16	76.33	11.72	11.71	11.64	11.52
6	982299	374672	441944	76.01	76.02	76.10	76.28	20.57	20.66	21.42	21.60
7	982264	374694	441672	77.19	77.36	77.71	77.81	4.19	4.35	4.66	4.74
8	982352	374708	441658	77.32	77.50	77.91	78.16	4.20	4.35	5.52	7.63
9	982269	374736	441636	77.58	77.65	77.97	78.20	4.20	4.36	5.52	7.83
10	982267	374740	441635	77.58	77.65	77.97	78.35	4.20	4.36	5.52	7.83

Data in this table comes from the Mearley Brook 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.

If no level or flow data is available for a scenario, no table will be shown.



Defended modelled fluvial extent and height

Location (easting/northing)
374746/441789

Scale Created
1:1,000 27 Feb 2025

Model name
Mearley Brook 2018

Selected area
 Main river

Modelled 2D grid

Water level in mAOD

0 - 75.0
 75.0 - 75.375
 75.375 - 75.75
 75.75 - 76.125
 76.125 - 76.5
 76.5 - 76.875
 76.875 - 77.25
 77.25 - 77.625
 77.625 - 78.0

This map shows the
0.1% AEP height data

0 10 20 30 40
metres

Sample point data

Defended

Label	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% 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	Depth	Depth
1	374722	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	374749	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	374695	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.02	0.24
4	374722	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	374749	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	374776	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
7	374668	441772	NoData	0.43	0.73	0.82	0.85	0.88	0.94	1.00	1.04	1.14	1.37
8	374695	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.10
9	374722	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03
10	374749	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	374776	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	374803	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	374695	441799	NoData	0.72	1.02	1.11	1.14	1.17	1.24	1.30	1.34	1.45	1.71
14	374722	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03	0.29
15	374749	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.20
16	374776	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.00

Label	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% 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	Depth	Depth
17	374803	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	374830	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	374695	441826	NoData	0.29	0.59	0.68	0.71	0.74	0.81	0.87	0.91	1.02	1.28
20	374722	441826	NoData	0.21	0.51	0.61	0.63	0.66	0.73	0.79	0.83	0.94	1.21
21	374749	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03	0.07	0.19	0.46
22	374776	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.04	0.07	0.18	0.46
23	374803	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19
24	374722	441853	NoData	0.26	0.56	0.66	0.69	0.71	0.78	0.84	0.88	0.99	1.26
25	374749	441853	NoData	0.07	0.37	0.47	0.50	0.53	0.60	0.66	0.71	0.82	1.09
Max value in selected area:			Could not determine	0.96	1.26	1.36	1.38	1.41	1.48	1.54	1.58	1.69	1.96

Data in this table comes from the Mearley Brook 2018 model.

Height values are shown in mAOD, and depth values are shown in metres.

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Defended

Label	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% 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	Height	Height
1	374722	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	374749	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	374695	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	75.57	75.79
4	374722	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	374749	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	374776	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
7	374668	441772	NoData	75.05	75.35	75.44	75.47	75.49	75.56	75.61	75.65	75.75	75.98
8	374695	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	76.05
9	374722	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	76.06
10	374749	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	374776	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	374803	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	374695	441799	NoData	75.05	75.35	75.44	75.47	75.50	75.57	75.63	75.67	75.78	76.04
14	374722	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	75.80	76.06
15	374749	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	76.07
16	374776	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	76.07
17	374803	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	374830	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% 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	Height	Height
19	374695	441826	NoData	75.05	75.35	75.44	75.47	75.50	75.57	75.63	75.67	75.78	76.04
20	374722	441826	NoData	75.05	75.35	75.44	75.47	75.50	75.57	75.63	75.67	75.78	76.05
21	374749	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	75.64	75.68	75.80	76.07
22	374776	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	75.64	75.68	75.80	76.07
23	374803	441826	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	76.07
24	374722	441853	NoData	75.05	75.35	75.44	75.47	75.50	75.57	75.63	75.67	75.78	76.05
25	374749	441853	NoData	75.05	75.35	75.45	75.48	75.50	75.58	75.64	75.68	75.80	76.07
Max value in selected area:			Could not determine	75.05	75.35	75.45	75.48	75.50	75.58	75.64	75.68	75.80	76.07

Data in this table comes from the Mearley Brook 2018 model.

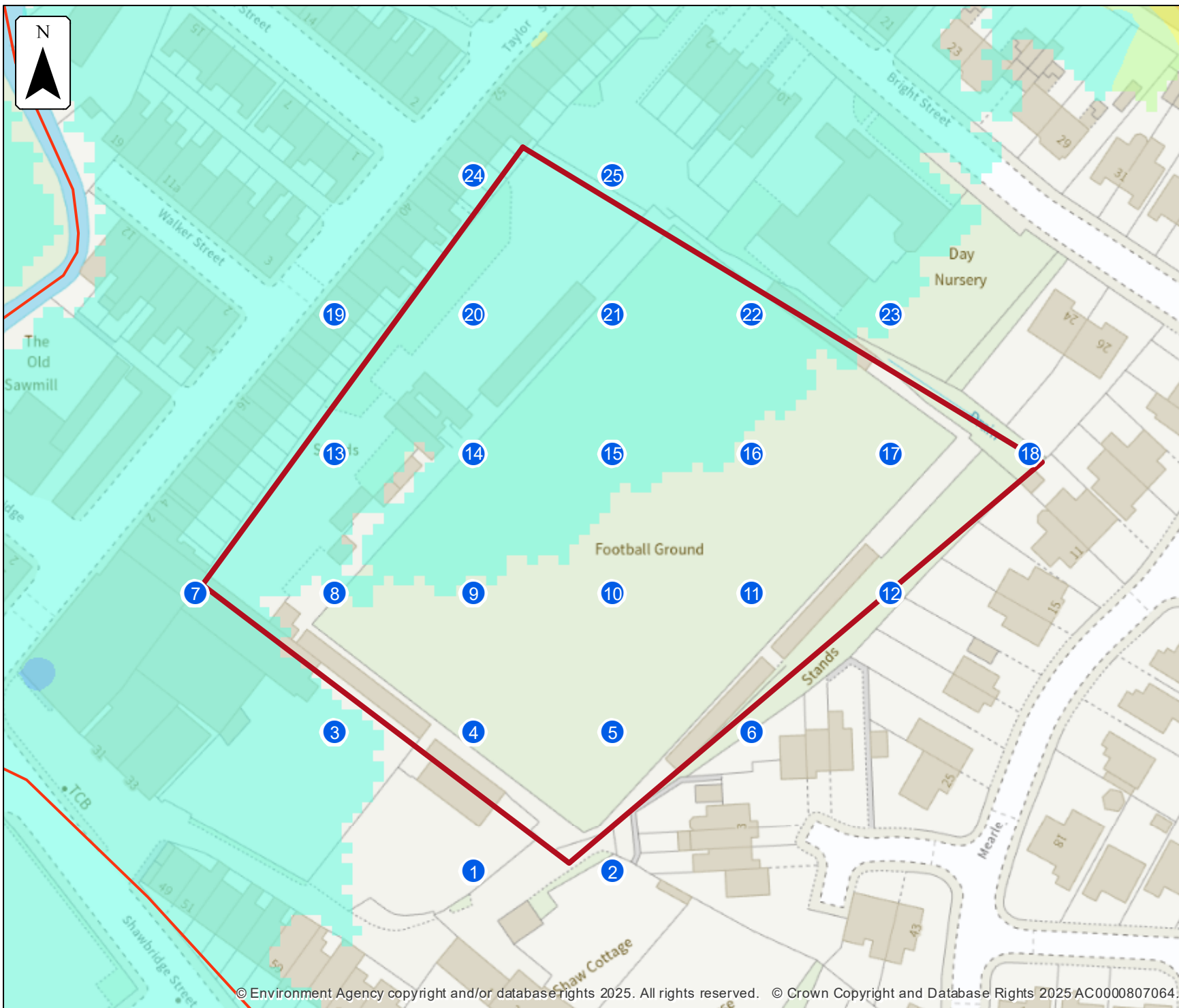
Height values are shown in mAOD, and depth values are shown in metres.

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If no height or depth data is available for a scenario, no table will be shown.

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



Defences removed modelled fluvial extent and height

Location (easting/northing)
374746/441789

Scale Created
1:1,000 27 Feb 2025

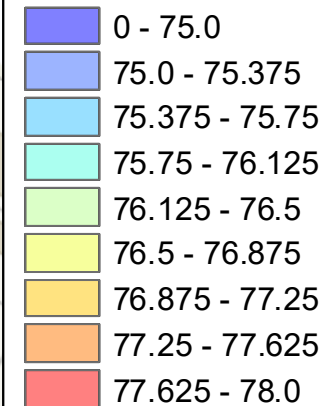
Model name
Mearley Brook 2018

 Selected area

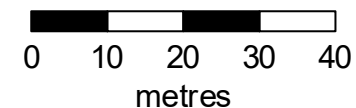
 Main river

Modelled 2D grid

Water level in mAOD



This map shows the
0.1% AEP height data



Sample point data

Defences removed

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Depth	Depth	Depth	Height	Height	Height
1	374722	441718	NoData	NoData	NoData	NoData	NoData	NoData
2	374749	441718	NoData	NoData	NoData	NoData	NoData	NoData
3	374695	441745	NoData	NoData	0.21	NoData	NoData	75.79
4	374722	441745	NoData	NoData	NoData	NoData	NoData	NoData
5	374749	441745	NoData	NoData	NoData	NoData	NoData	NoData
6	374776	441745	NoData	NoData	NoData	NoData	NoData	NoData
7	374668	441772	0.70	0.90	1.24	75.39	75.60	75.93
8	374695	441772	NoData	NoData	NoData	NoData	NoData	NoData
9	374722	441772	NoData	NoData	NoData	NoData	NoData	NoData
10	374749	441772	NoData	NoData	NoData	NoData	NoData	NoData
11	374776	441772	NoData	NoData	NoData	NoData	NoData	NoData
12	374803	441772	NoData	NoData	NoData	NoData	NoData	NoData
13	374695	441799	1.00	1.22	1.59	75.40	75.61	75.99
14	374722	441799	NoData	NoData	0.21	NoData	NoData	76.00
15	374749	441799	NoData	NoData	0.15	NoData	NoData	76.01
16	374776	441799	NoData	NoData	NoData	NoData	NoData	NoData

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Depth	Depth	Depth	Height	Height	Height
17	374803	441799	NoData	NoData	NoData	NoData	NoData	NoData
18	374830	441799	NoData	NoData	NoData	NoData	NoData	NoData
19	374695	441826	0.64	0.85	1.22	75.40	75.61	75.98
20	374722	441826	0.60	0.81	1.18	75.40	75.62	75.99
21	374749	441826	NoData	0.02	0.41	NoData	75.63	76.01
22	374776	441826	NoData	0.02	0.39	NoData	75.63	76.01
23	374803	441826	NoData	NoData	0.08	NoData	NoData	76.01
24	374722	441853	0.61	0.82	1.20	75.40	75.62	75.99
25	374749	441853	0.41	0.62	1.00	75.41	75.63	76.01
Max value in selected area:			1.27	1.48	1.85	75.41	75.63	76.01

Data in this table comes from the Mearley Brook 2018 model.

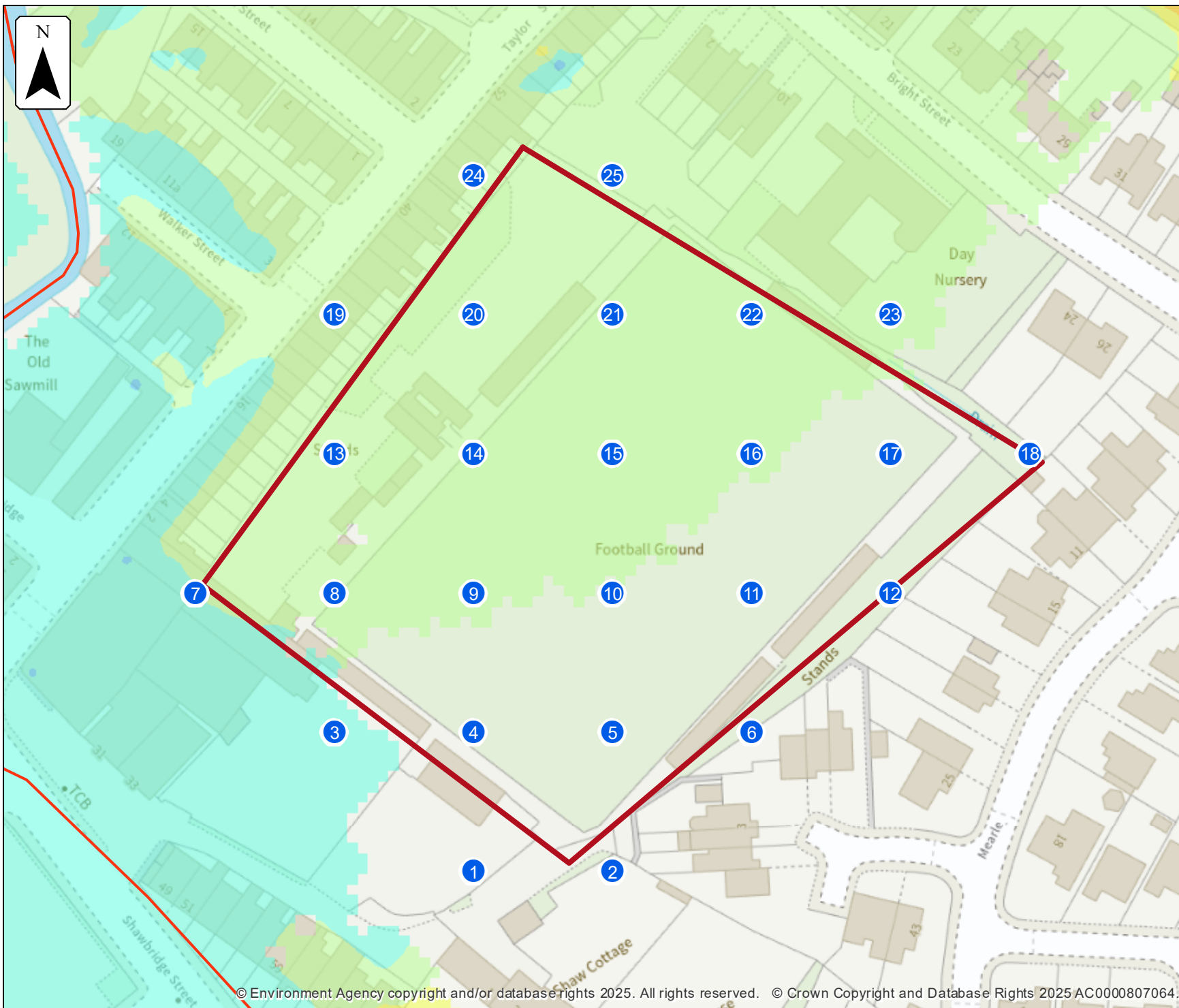
Height values are shown in mAOD, and depth values are shown in metres.

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**Defended
climate change
modelled fluvial
extent and height**

Location (easting/northing)
374746/441789

Scale Created
1:1,000 27 Feb 2025

Model name
Mearley Brook 2018

 Selected area

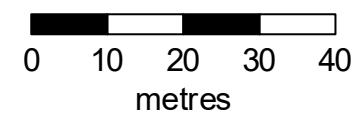
 Main river

Modelled 2D grid

Water level in mAOD

-  0 - 75.0
-  75.0 - 75.375
-  75.375 - 75.75
-  75.75 - 76.125
-  76.125 - 76.5
-  76.5 - 76.875
-  76.875 - 77.25
-  77.25 - 77.625
-  77.625 - 78.0

This map shows the
0.1% AEP +30% height data



Sample point data

Defended climate change

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth	Height	Height	Height	Height
1	374722	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	374749	441718	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	374695	441745	0.06	0.08	0.19	0.36	75.61	75.63	75.74	75.92
4	374722	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	374749	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
6	374776	441745	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
7	374668	441772	1.18	1.20	1.31	1.50	75.80	75.81	75.93	76.12
8	374695	441772	NoData	NoData	NoData	0.26	NoData	NoData	NoData	76.21
9	374722	441772	NoData	NoData	NoData	0.17	NoData	NoData	NoData	76.22
10	374749	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	374776	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	374803	441772	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	374695	441799	1.50	1.52	1.65	1.87	75.83	75.85	75.98	76.20
14	374722	441799	0.08	0.10	0.23	0.45	75.85	75.87	76.00	76.22
15	374749	441799	NoData	0.01	0.14	0.36	NoData	75.87	76.00	76.23
16	374776	441799	NoData	NoData	NoData	0.12	NoData	NoData	NoData	76.23

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth	Height	Height	Height	Height
17	374803	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	374830	441799	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	374695	441826	1.07	1.09	1.21	1.43	75.82	75.85	75.97	76.19
20	374722	441826	0.99	1.01	1.14	1.37	75.83	75.85	75.98	76.21
21	374749	441826	0.24	0.26	0.39	0.62	75.85	75.87	76.00	76.23
22	374776	441826	0.24	0.26	0.39	0.62	75.85	75.87	76.00	76.23
23	374803	441826	NoData	NoData	0.12	0.35	NoData	NoData	76.00	76.23
24	374722	441853	1.04	1.06	1.19	1.41	75.83	75.85	75.98	76.20
25	374749	441853	0.87	0.89	1.02	1.25	75.85	75.87	76	76.23
Max value in selected area:			1.74	1.76	1.89	2.12	75.85	75.87	76.01	76.24

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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 Lancashire 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 Cumbria and Lancashire Environment Agency team at inforequests.cmbinc@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