

Flood risk statement for planning application: 138828/FH/2023

Description:

A single storey extension to the rear of 11 Boat Lane to form a conservatory.

Flood resistance and resilience measures.

Floor levels in the extension will not be lower than existing floor levels of the property.

The existing physical barrier will remain in situ between the property and the new conservatory.

Design of the extension to keep water out includes:

Using materials that have low permeability (i.e. materials that water cannot pass through such as impermeable concrete).

Making sure there's access to all spaces to enable drying and cleaning.

Signed: *Mike Taylor*

Mike Taylor (agent)

23.1.2024

Flood map for planning

Your reference
11 BOAT LANE

Location (easting/northing)
383194/390201

Created
9 Jan 2024 9:55

Your selected location is in flood zone 2, an area with a medium probability of flooding.

Flood map for planning

Your reference
11 BOAT LANE

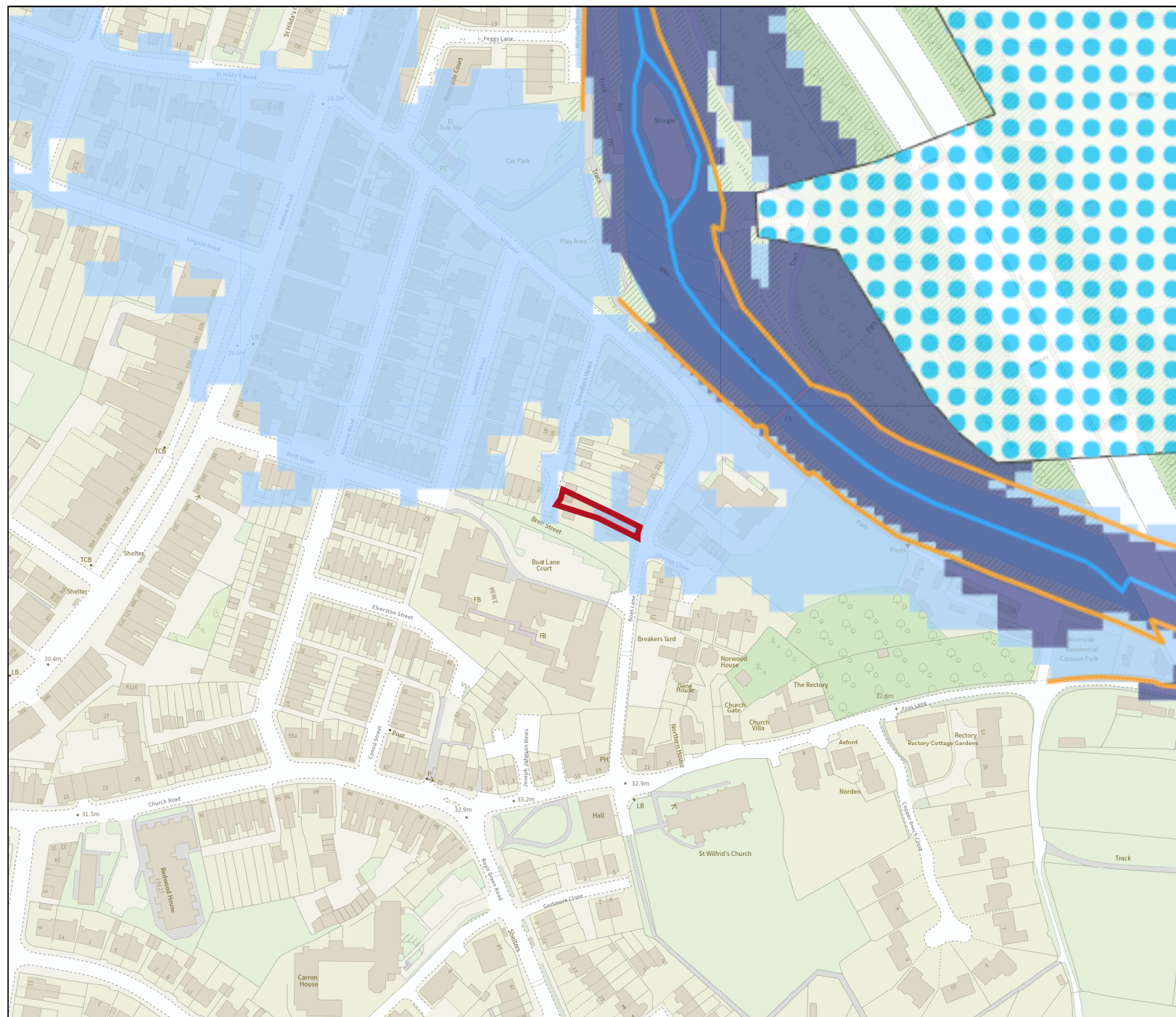
Location (easting/northing)
383194/390201

Scale
1:2500

Created
9 Jan 2024 9:55

-  Selected area
-  Flood zone 3
-  Flood zone 2
-  Flood zone 1
-  Flood defence
-  Main river
-  Water storage area

0 20 40 60m



Flood risk assessment data

Location of site: 383193 / 390201 (shown as easting and northing coordinates)

Document created on: 9 January 2024

This information was previously known as a product 4.

Customer reference number: XKEGNWUMYJ1P

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)
- 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

Information that's unavailable

This document **does not** contain:

- historic flooding

We do not have historic flooding data for this location.

Please note that:

- flooding may have occurred that we do not have records for
- flooding can come from a range of different sources
- we can only supply flood risk data relating to flooding from rivers or the sea

You can contact your Lead Local Flood Authority or Internal Drainage Board to see if they have other relevant local flood information. Please note that some areas do not have an Internal Drainage Board.

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

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

About the models used

Model name: Upper Mersey 2017

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

Date: 14 April 2022

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 2.

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

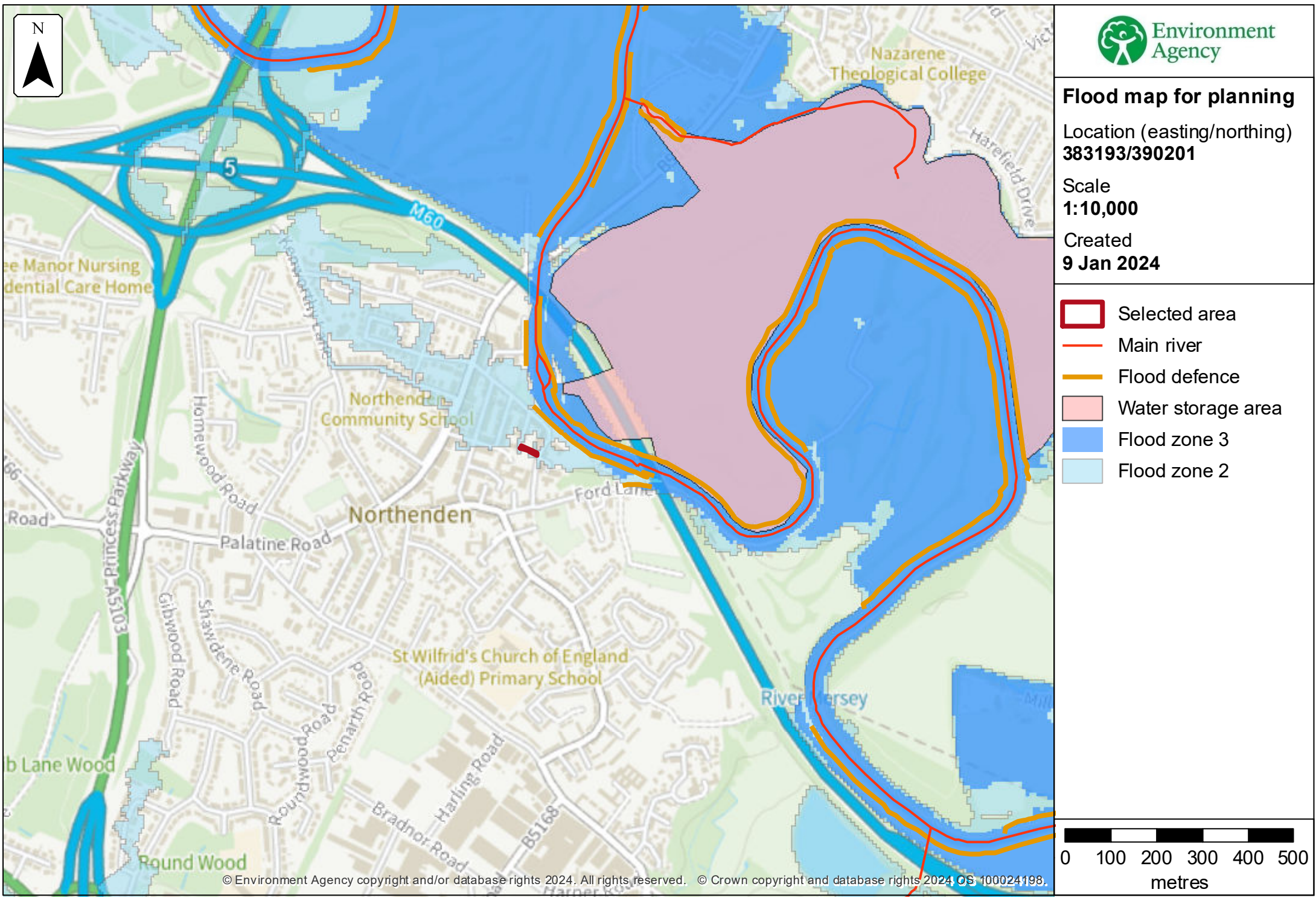
Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- 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

This data is updated on a quarterly basis as better data becomes available.



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



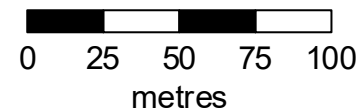
Flood defences

Location (easting/northing)
383193/390201

Scale
1:2,500

Created
9 Jan 2024

-  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	58940	Wall	150	Good	30.38	30.84	
2	411052	Engineered High Ground	150	Fair			
3	58973	Embankment	150		29.65	29.69	
4	58941	Wall	150	Good	32.28	30.07	
5	120736	Embankment	150		29.88	29.65	
6	120542	Wall	150	Fair	30.35	30.38	
7	120543	Embankment	100		29.67	29.91	
8	533434	Wall	150	Fair	30.40	30.40	30.40
9	763797	Embankment	100		29.84	30.70	

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

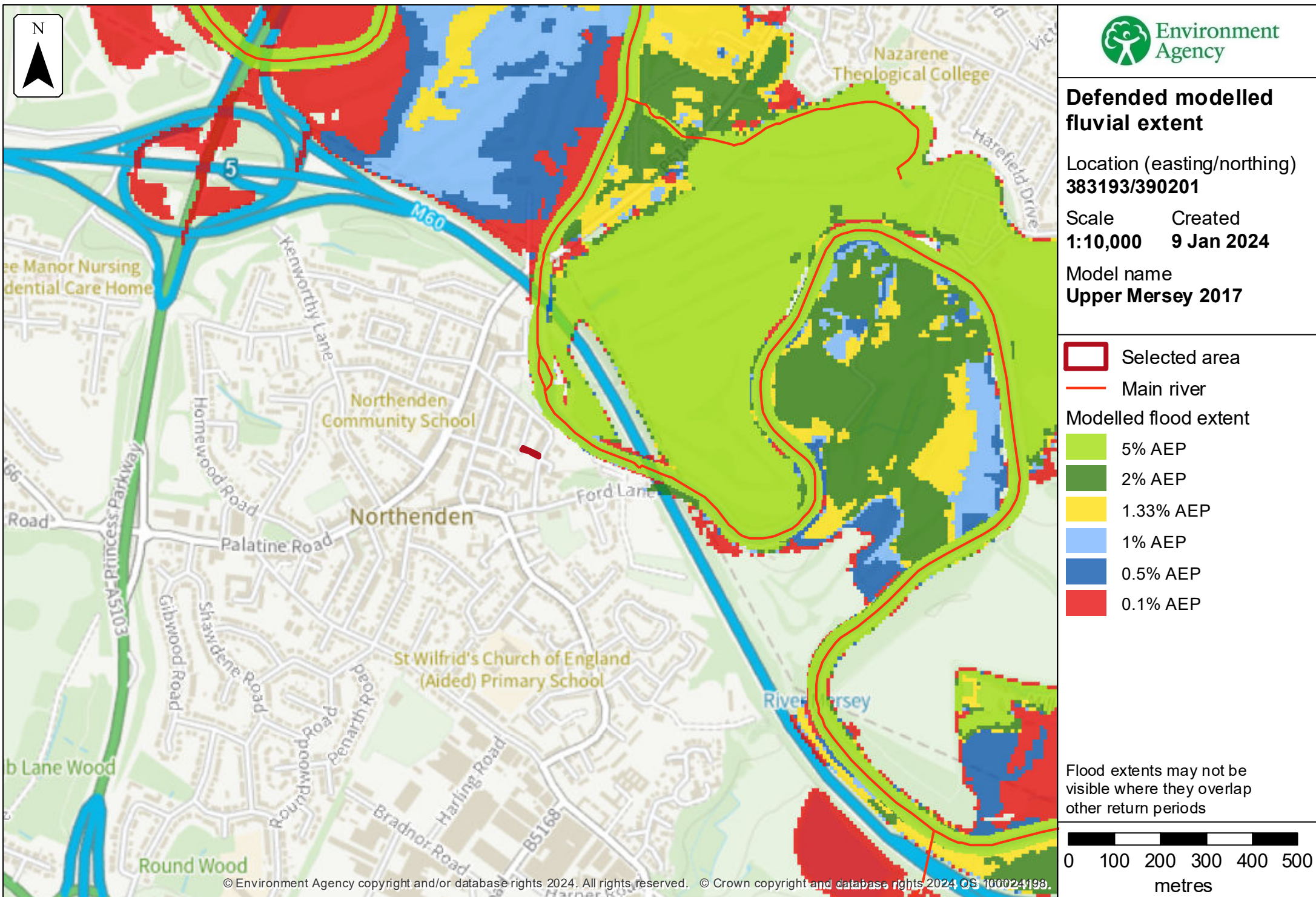
The climate change data included in the models may not include the latest [flood risk assessment climate change allowances](#). Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

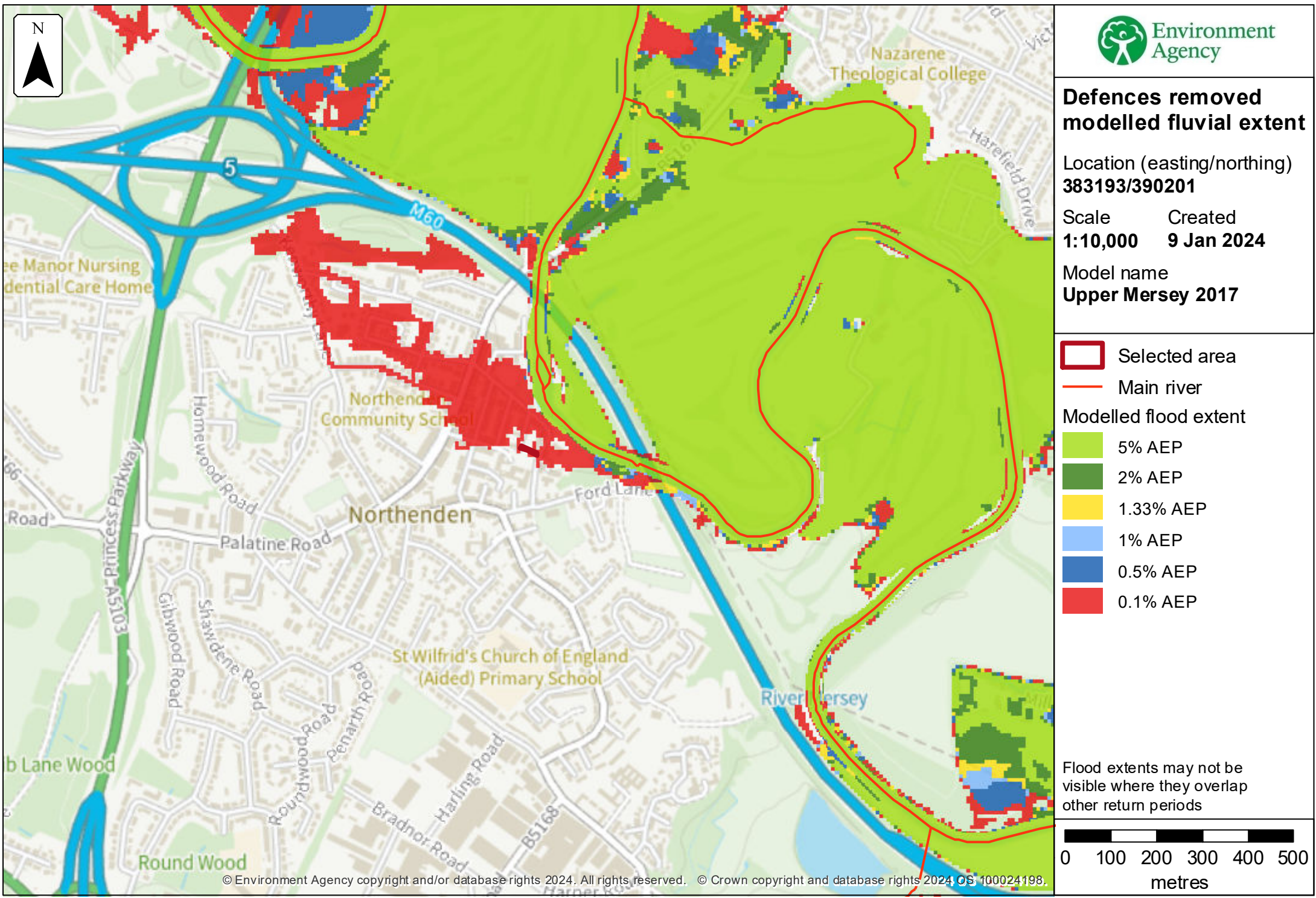
The Environment Agency will incorporate the new allowances into future modelling studies. For now, it's your responsibility to demonstrate that new developments will be safe in flood risk terms for their lifetime.

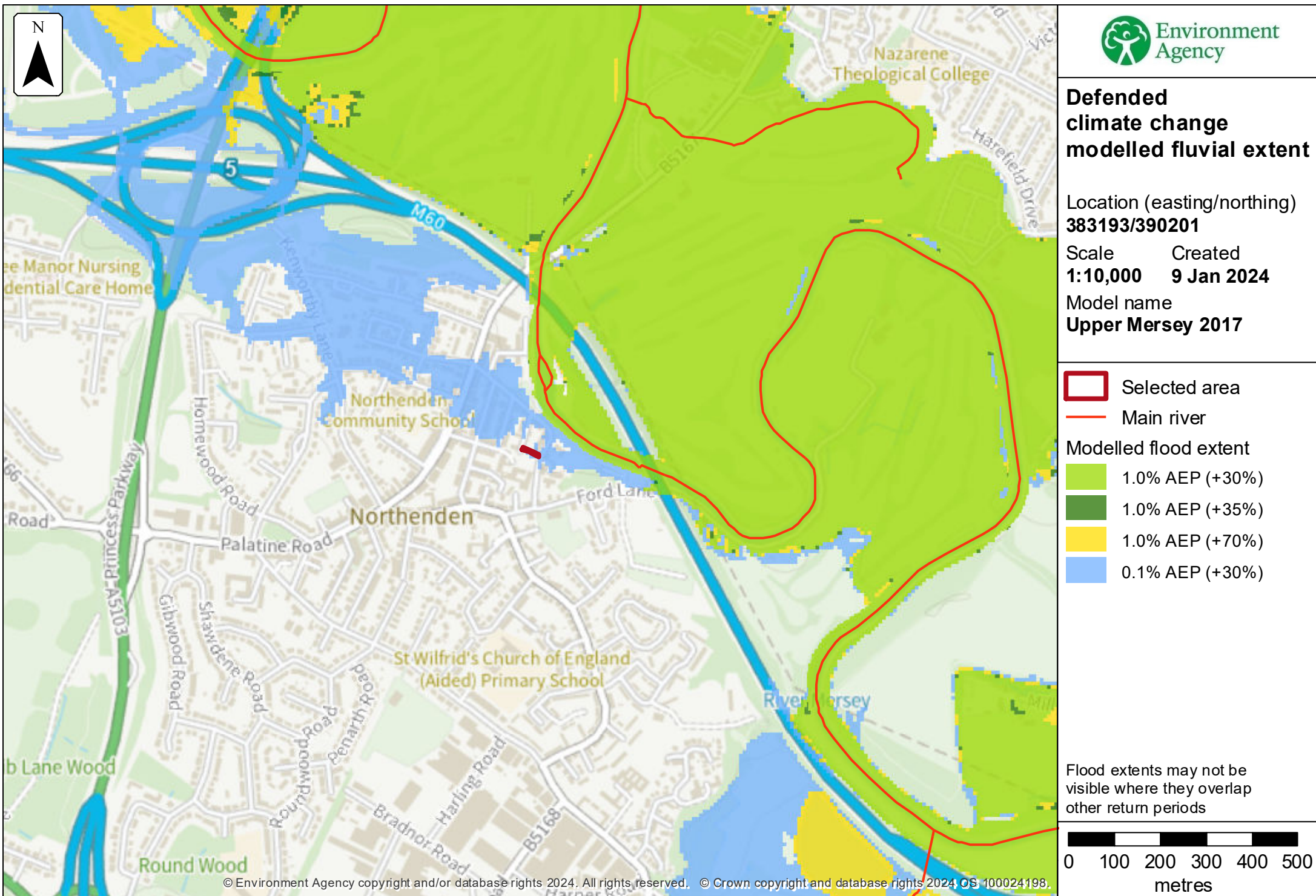
Modelled scenarios

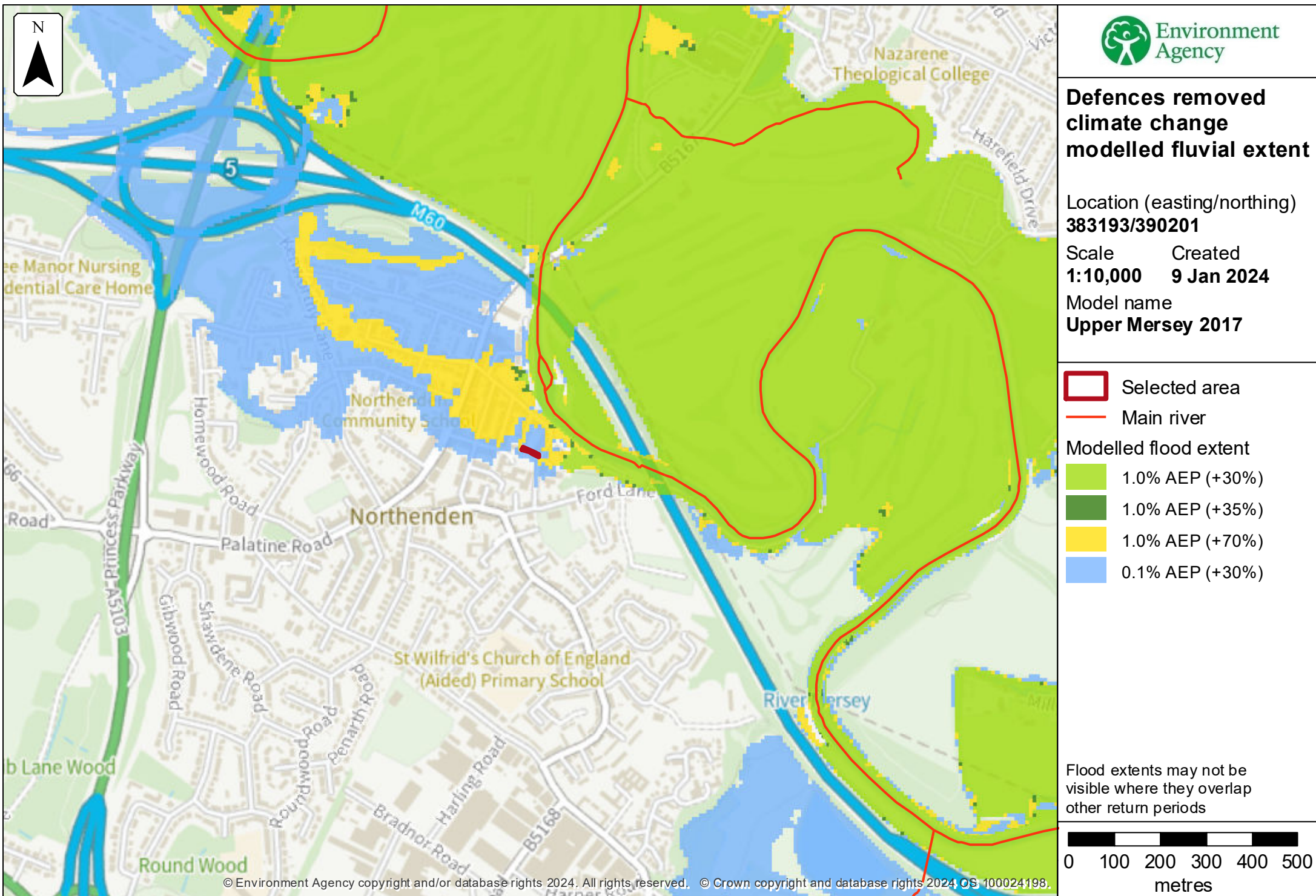
The following scenarios are included:

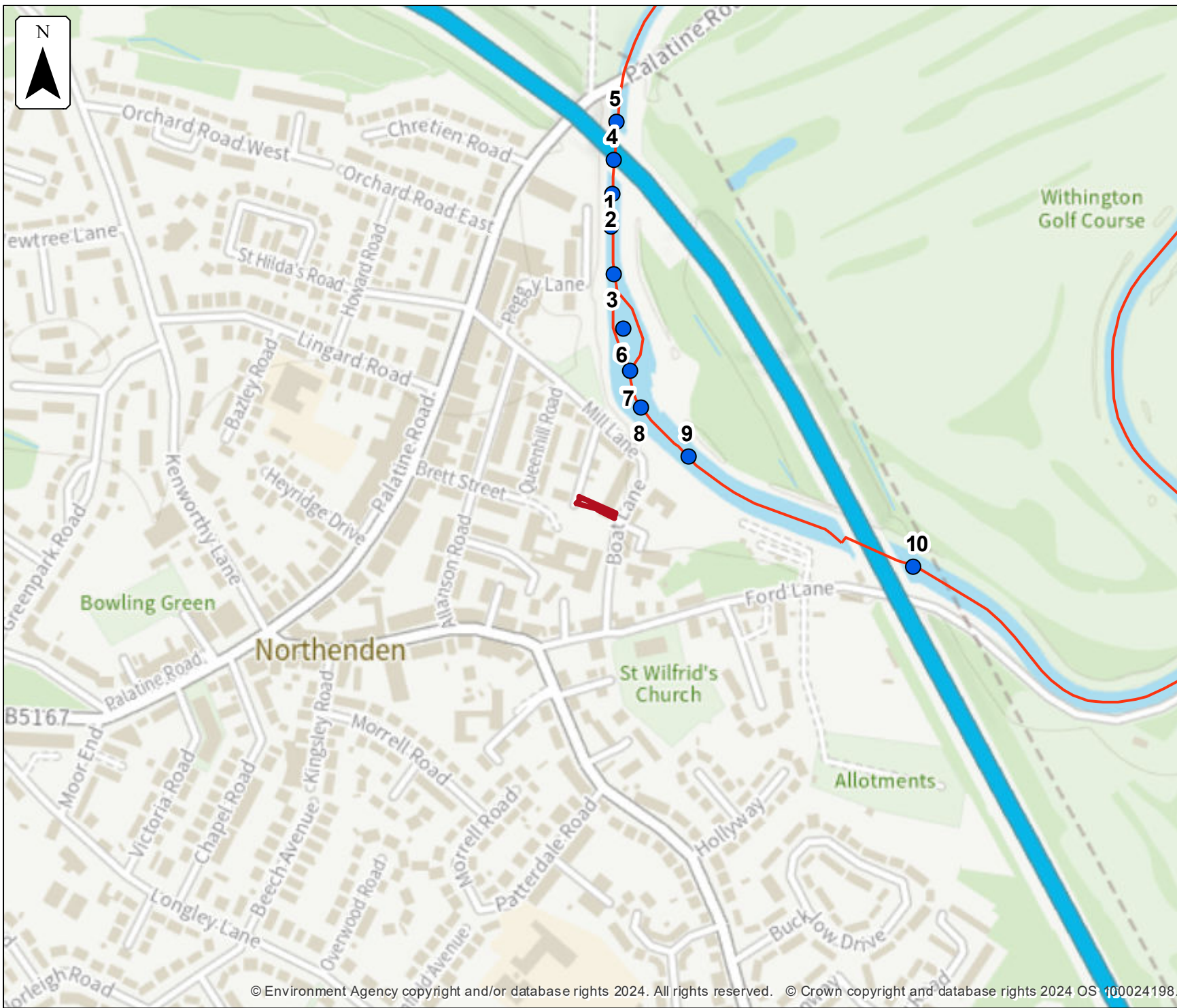
- Defended modelled fluvial: risk of flooding from rivers where there are flood defences
- Defences removed modelled fluvial: risk of flooding from rivers where flood defences have been removed
- No defences exist modelled fluvial: risk of flooding from rivers where there are no flood defences
- Defended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











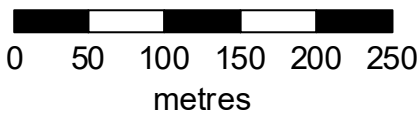
Defended modelled fluvial node locations

Location (easting/northing)
383193/390201

Scale Created
1:5,000 9 Jan 2024

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river



Modelled node locations data

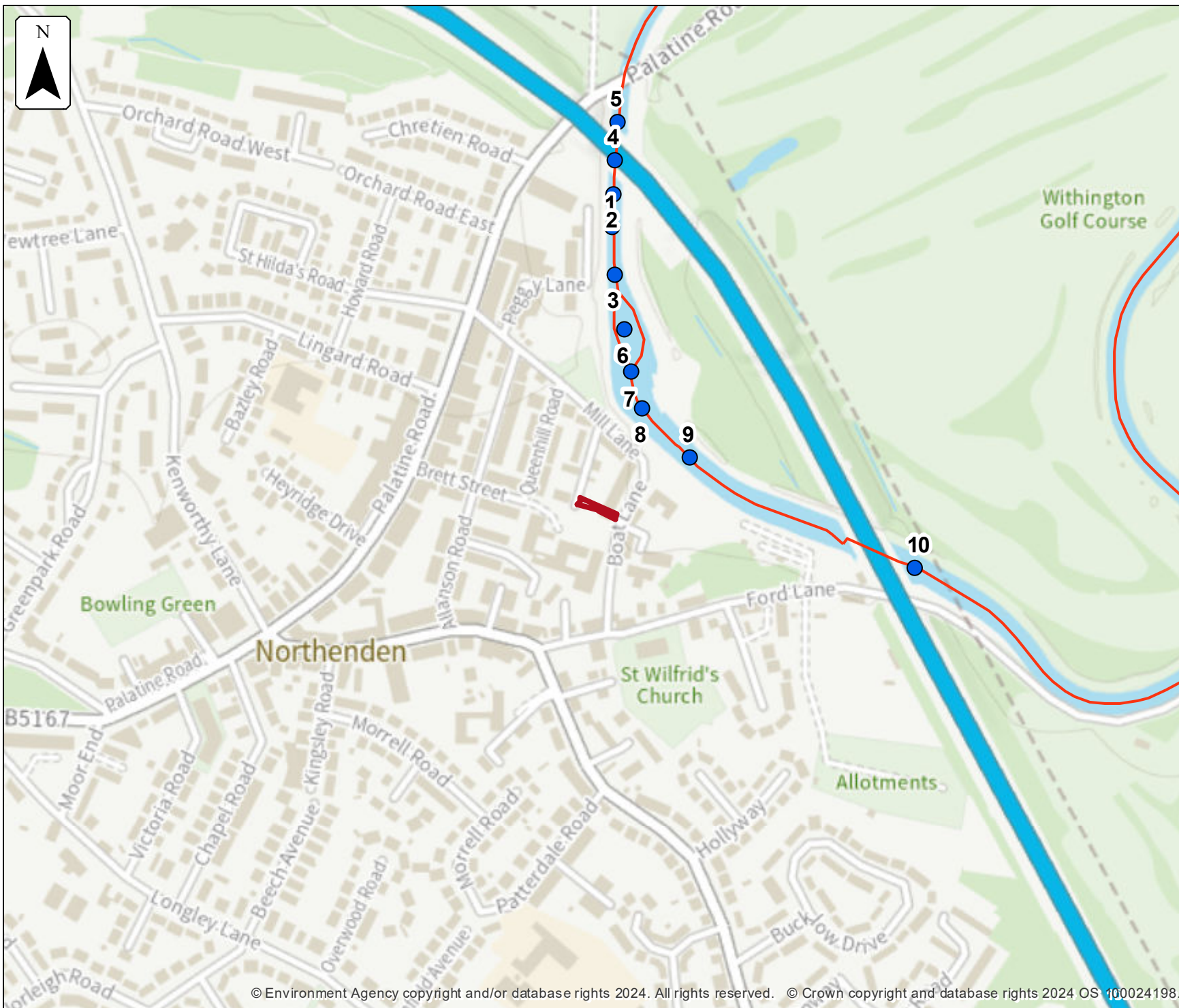
Defended

Label	Modelled location ID	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
				Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	1290764	383209	390473	28.87	280.76	29.04	300.24	29.08	303.56	29.24	306.02	29.34	310.76	30.05	323.39
2	1290653	383210	390504	28.83	280.69	29.0	300.21	29.04	303.66	29.20	305.84	29.30	310.74	30.0	323.28
3	1290768	383211	390427	28.97	280.47	29.14	300.28	29.17	303.88	29.33	305.83	29.43	310.76	30.12	323.60
4	1290577	383212	390537	28.82	280.28	28.99	300.19	29.03	303.80	29.19	305.81	29.30	310.69	29.95	323.18
5	1290513	383214	390574	28.81	280.51	28.98	300.15	29.03	303.62	29.19	305.95	29.29	310.71	29.91	323.97
6	1290562	383220	390374	29.06	280.80	29.24	300.31	29.27	303.62	29.42	305.83	29.52	310.80	30.17	324.08
7	1290567	383227	390332	29.08	280.93	29.26	300.38	29.29	303.54	29.44	306.16	29.54	310.83	30.18	324.61
8	1290683	383238	390296	29.13	280.93	29.31	300.38	29.34	303.54	29.48	306.16	29.58	310.83	30.22	324.61
9	1290538	383284	390249	29.0	280.94	29.17	300.40	29.20	303.66	29.35	305.80	29.45	310.85	30.13	325.71
10	1290777	383502	390142	29.38	280.70	29.55	300.10	29.58	303.35	29.68	305.71	29.77	310.29	30.29	326.68

Data in this table comes from the Upper Mersey 2017 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.



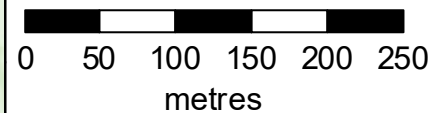
**Defences removed
modelled fluvial
node locations**

Location (easting/northing)
383193/390201

Scale Created
1:5,000 9 Jan 2024

Model name
Upper Mersey 2017

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defences removed

Label	Modelled location ID	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
				Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	1290764	383209	390473	27.72	277.41	27.99	296.55	28.11	301.73	28.21	304.84	28.46	311.05	29.64	325.04
2	1290653	383210	390504	27.65	277.32	27.92	296.39	28.05	301.74	28.15	304.84	28.41	310.99	29.59	325.03
3	1290768	383211	390427	27.88	277.13	28.13	296.55	28.26	301.83	28.35	304.90	28.59	311.28	29.71	325.28
4	1290577	383212	390537	27.58	277.20	27.87	296.39	28.0	301.69	28.10	304.83	28.37	311.26	29.55	327.40
5	1290513	383214	390574	27.54	277.19	27.83	296.36	27.97	301.67	28.08	304.90	28.35	311.92	29.51	337.38
6	1290562	383220	390374	28.05	277.50	28.30	296.53	28.41	301.98	28.50	305.12	28.72	311.47	29.79	325.81
7	1290567	383227	390332	28.09	277.58	28.33	296.92	28.44	302.06	28.53	305.21	28.75	311.67	29.80	326.24
8	1290683	383238	390296	28.15	277.58	28.39	296.92	28.50	302.06	28.59	305.21	28.81	311.67	29.84	326.24
9	1290538	383284	390249	28.12	272.53	28.35	290.16	28.45	295.36	28.52	298.33	28.72	304.68	29.77	319.0
10	1290777	383502	390142	29.16	180.37	29.38	183.27	29.45	184.35	29.50	184.78	29.63	186.88	30.16	246.89

Data in this table comes from the Upper Mersey 2017 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.



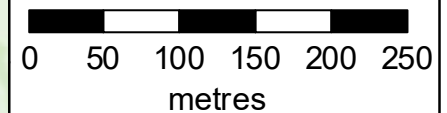
Defended climate change modelled fluvial node locations

Location (easting/northing)
383193/390201

Scale Created
1:5,000 9 Jan 2024

Model name
Upper Mersey 2017

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+30%)		1.0% AEP (+35%)		1.0% AEP (+70%)		0.1% AEP (+30%)	
				Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	1290764	383209	390473	29.69	314.66	29.76	315.77	30.0	321.44	30.24	333.96
2	1290653	383210	390504	29.66	314.74	29.72	315.58	29.96	321.43	30.21	333.94
3	1290768	383211	390427	29.77	314.89	29.83	315.92	30.08	321.56	30.31	333.90
4	1290577	383212	390537	29.64	315.51	29.70	316.22	29.91	321.35	30.15	342.14
5	1290513	383214	390574	29.63	316.81	29.69	318.08	29.88	323.01	30.08	363.66
6	1290562	383220	390374	29.84	315.26	29.90	315.84	30.13	321.81	30.37	334.85
7	1290567	383227	390332	29.86	313.77	29.92	315.56	30.14	321.40	30.38	335.29
8	1290683	383238	390296	29.90	313.77	29.96	315.56	30.18	321.40	30.43	335.29
9	1290538	383284	390249	29.80	313.98	29.86	315.37	30.09	321.60	30.33	336.07
10	1290777	383502	390142	30.07	313.40	30.12	315.06	30.26	321.66	30.51	337.24

Data in this table comes from the Upper Mersey 2017 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.



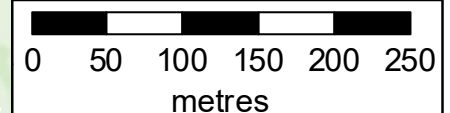
Defences removed climate change modelled fluvial node locations

Location (easting/northing)
383193/390201

Scale Created
1:5,000 9 Jan 2024

Model name
Upper Mersey 2017

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+30%)		1.0% AEP (+35%)		1.0% AEP (+70%)		0.1% AEP (+30%)	
				Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	1290764	383209	390473	28.91	316.96	29.01	318.21	29.52	322.72	30.14	309.06
2	1290653	383210	390504	28.86	316.96	28.96	318.12	29.47	322.70	30.12	309.07
3	1290768	383211	390427	29.01	317.12	29.10	318.33	29.60	322.93	30.17	309.35
4	1290577	383212	390537	28.83	317.87	28.93	319.08	29.43	324.77	30.08	321.0
5	1290513	383214	390574	28.81	319.69	28.90	321.15	29.39	328.04	30.03	335.30
6	1290562	383220	390374	29.11	317.61	29.20	318.70	29.67	323.42	30.19	310.04
7	1290567	383227	390332	29.13	317.73	29.22	318.95	29.69	323.79	30.20	310.55
8	1290683	383238	390296	29.18	317.73	29.27	318.95	29.73	323.79	30.23	310.55
9	1290538	383284	390249	29.08	310.87	29.16	311.85	29.67	316.56	30.17	306.05
10	1290777	383502	390142	29.80	189.16	29.85	189.48	30.12	210.35	30.34	234.27

Data in this table comes from the Upper Mersey 2017 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 fluvial extent and height

Location (easting/northing)
383193/390201

Scale Created
1:500 9 Jan 2024

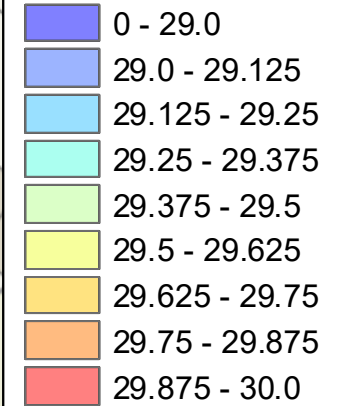
Model name
Upper Mersey 2017

 Selected area

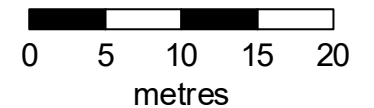
 Main river

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		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	383203	390183	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	383210	390183	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.05	29.90
3	383217	390183	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.08	29.90
4	383189	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	383196	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.00	29.85
6	383203	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0	29.87
7	383210	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0	29.89
8	383217	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	383168	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.02	29.81
10	383175	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.00	29.81
11	383182	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	383189	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	383196	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.02	29.83
14	383203	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.02	29.84
15	383210	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0	29.85
16	383217	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.06	29.85

Label	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	383168	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.06	29.81
18	383175	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.10	29.81
19	383182	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	383189	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	383196	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	383203	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.07	29.82
23	383210	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	383168	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.02	29.81
25	383175	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.09	29.81
26	383182	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
27	383189	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	383196	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
29	383175	390218	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.15	29.81
30	383182	390218	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Upper Mersey 2017 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.



Defended climate change modelled fluvial extent and height

Location (easting/northing)
383193/390201

Scale Created
1:500 9 Jan 2024

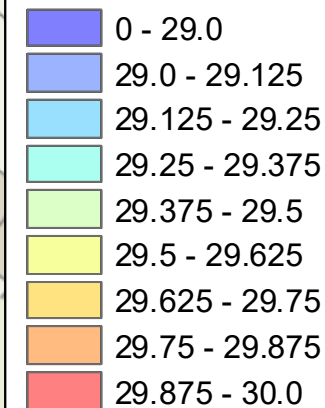
Model name
Upper Mersey 2017

 Selected area

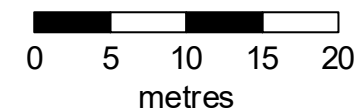
 Main river

Modelled 2D grid

Water level in mAOD



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%)	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	383203	390183	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	383210	390183	NoData	NoData	NoData	NoData	NoData	NoData	0.05	29.91
3	383217	390183	NoData	NoData	NoData	NoData	NoData	NoData	0.09	29.91
4	383189	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
5	383196	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.01	29.88
6	383203	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.00	29.89
7	383210	390190	NoData	NoData	NoData	NoData	NoData	NoData	0	29.90
8	383217	390190	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
9	383168	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	383175	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	383182	390197	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
12	383189	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.00	29.80
13	383196	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.04	29.87
14	383203	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.04	29.87
15	383210	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.00	29.87
16	383217	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.06	29.86

Label	Easting	Northing	1% AEP (+30%)		1% AEP (+35%)		1% AEP (+70%)		0.1% AEP (+30%)	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	383168	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	383175	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	383182	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	383189	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	383196	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	383203	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.10	29.86
23	383210	390204	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
24	383168	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
25	383175	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	383182	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
27	383189	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
28	383196	390211	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
29	383175	390218	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
30	383182	390218	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Upper Mersey 2017 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.



**Defences removed
climate change
modelled fluvial
extent and height**

Location (easting/northing)
383193/390201

Scale Created
1:500 9 Jan 2024

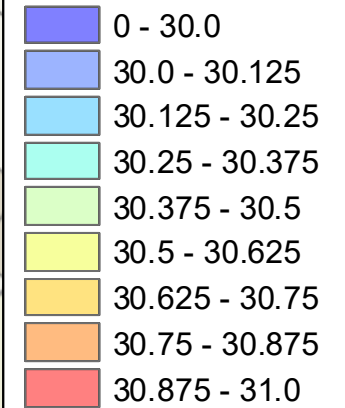
Model name
Upper Mersey 2017

 Selected area

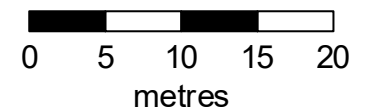
 Main river

Modelled 2D grid

Water level in mAOD



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



Sample point data

Defences removed climate change

Label	Easting	Northing	1% AEP (+30%)		1% AEP (+35%)		1% AEP (+70%)		0.1% AEP (+30%)	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	383203	390183	NoData	NoData	NoData	NoData	NoData	NoData	0.20	30.17
2	383210	390183	NoData	NoData	NoData	NoData	0	29.83	0.33	30.18
3	383217	390183	NoData	NoData	NoData	NoData	0.01	29.83	0.36	30.18
4	383189	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.11	30.14
5	383196	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.21	30.15
6	383203	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.26	30.16
7	383210	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.26	30.18
8	383217	390190	NoData	NoData	NoData	NoData	NoData	NoData	0.40	30.18
9	383168	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.12	30.11
10	383175	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.17	30.11
11	383182	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.24	30.13
12	383189	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.33	30.14
13	383196	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.31	30.14
14	383203	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.32	30.15
15	383210	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.25	30.17
16	383217	390197	NoData	NoData	NoData	NoData	NoData	NoData	0.38	30.18

Label	Easting	Northing	1% AEP (+30%)		1% AEP (+35%)		1% AEP (+70%)		0.1% AEP (+30%)	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	383168	390204	NoData	NoData	NoData	NoData	0	29.69	0.34	30.10
18	383175	390204	NoData	NoData	NoData	NoData	0.00	29.69	0.39	30.10
19	383182	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.32	30.13
20	383189	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.22	30.13
21	383196	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.20	30.14
22	383203	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.38	30.14
23	383210	390204	NoData	NoData	NoData	NoData	NoData	NoData	0.34	30.16
24	383168	390211	NoData	NoData	NoData	NoData	0	29.69	0.30	30.10
25	383175	390211	NoData	NoData	NoData	NoData	0.00	29.69	0.37	30.10
26	383182	390211	NoData	NoData	NoData	NoData	NoData	NoData	0.28	30.12
27	383189	390211	NoData	NoData	NoData	NoData	NoData	NoData	0.15	30.13
28	383196	390211	NoData	NoData	NoData	NoData	NoData	NoData	0.14	30.14
29	383175	390218	NoData	NoData	NoData	NoData	0.06	29.69	0.43	30.09
30	383182	390218	NoData	NoData	NoData	NoData	NoData	NoData	0.31	30.09

Data in this table comes from the Upper Mersey 2017 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.

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

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 Greater Manchester Merseyside and Cheshire Environment Agency team at inforequests.gmmc@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