Flood risk assessment data

Location of site: 385310 / 389791 (shown as easting and northing coordinates)
Document created on: 15 October 2025
This information was previously known as a product 4.
Customer reference number: WDRFBTV8BP2B

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 Manchester District.

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 occuring 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:

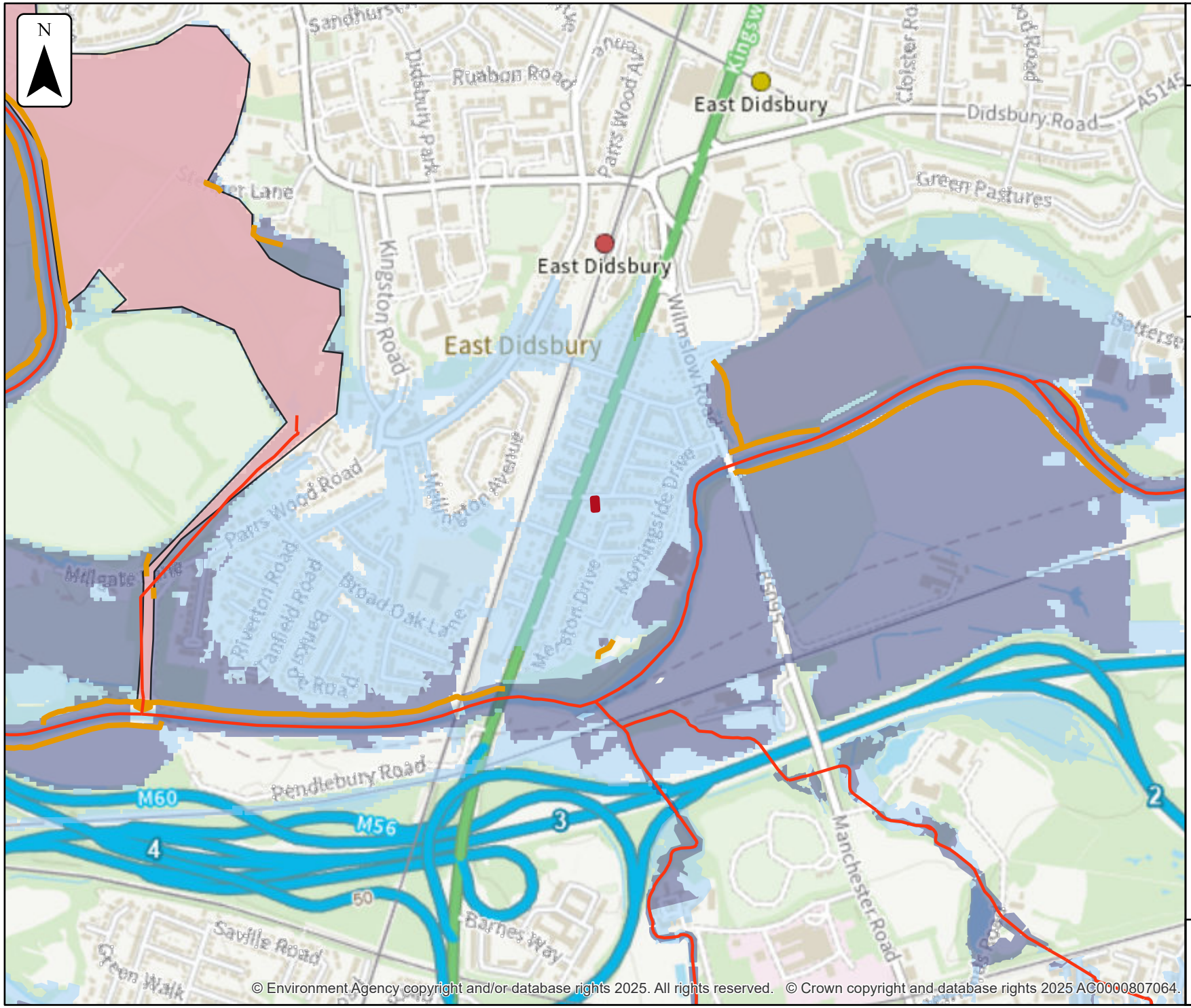
- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

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



Environment Agency

Flood map for planning

Location (easting/northing)
385310/389791

Scale
1:10,000

Created
15 Oct 2025

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

0 100 200 300 400 500
metres

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

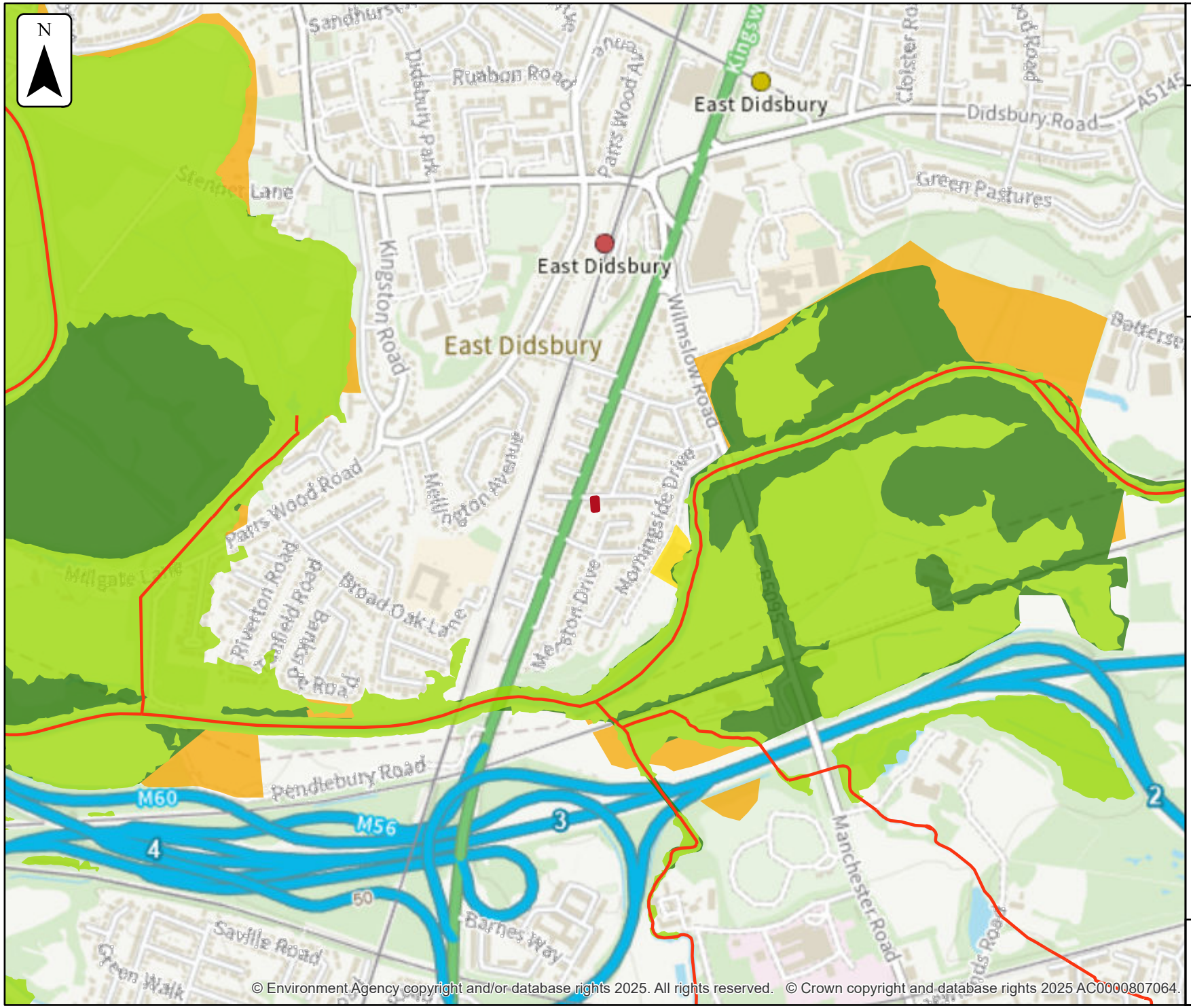
The recorded flood outlines are a geographical information system (GIS) data layer that show our verified records of areas that have flooded in the past from:

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



Environment Agency

Past floods

Location (easting/northing)
385310/389791

Scale
1:10,000

Created
15 Oct 2025

- Selected area
- Main river

Date of flood event

- January, 2025
- January, 2021
- March, 2019
- January, 2008
- February, 2002
- February, 2002
- December, 1978
- January, 1964

0 100 200 300 400 500
metres

Data on past flood events

Start date	End date	Source of flood	Cause of flood	Affects location
1 January 2025	1 January 2025	main river	overtopping of defences	No
20 January 2021	20 January 2021	main river	other	No
16 March 2019	16 March 2019	main river	channel capacity exceeded (no raised defences)	No
21 January 2008	22 January 2008	main river	unknown	No
10 February 2002	11 February 2002	unknown	other	No
8 February 2002	9 February 2002	unknown	channel capacity exceeded (no raised defences)	No
27 December 1978	28 December 1978	unknown	channel capacity exceeded (no raised defences)	No
1 January 1964	2 January 1964	unknown	unknown	No

Flood defences and attributes

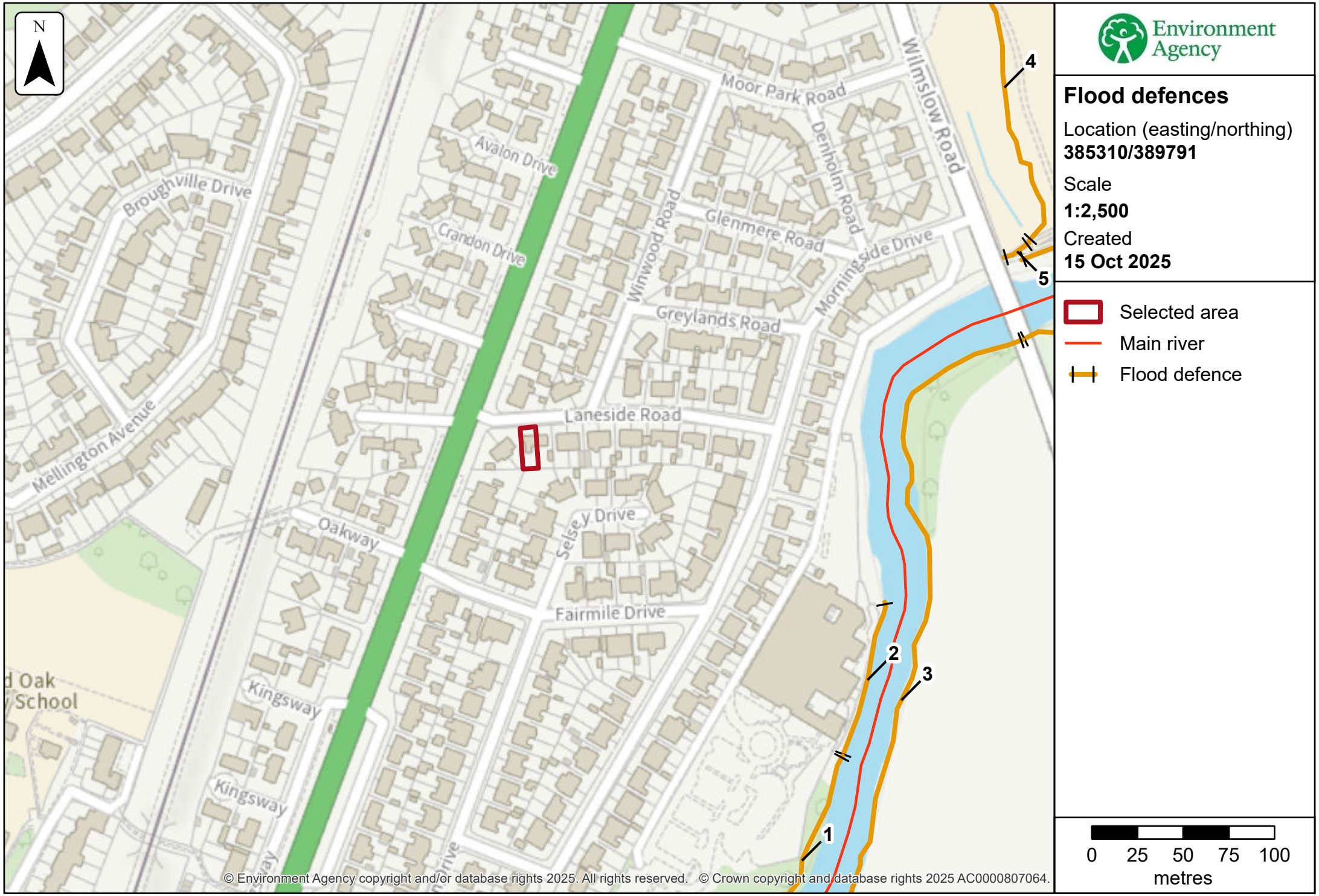
The flood defences map shows the location of the flood defences present.

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



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Flood defences

Location (easting/northing)
385310/389791

Scale
1:2,500

Created
15 Oct 2025

Selected area
Main river
Flood defence

0 25 50 75 100
metres

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	57528	Embankment			29.51	29.99	
2	120923	Wall			33.81	33.95	
3	112017	Engineered High Ground	50	Fair	34.99	32.81	
4	37538	Embankment	50	Fair	35.82	35.63	
5	37537	Wall	50	Fair	35.64	35.73	

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

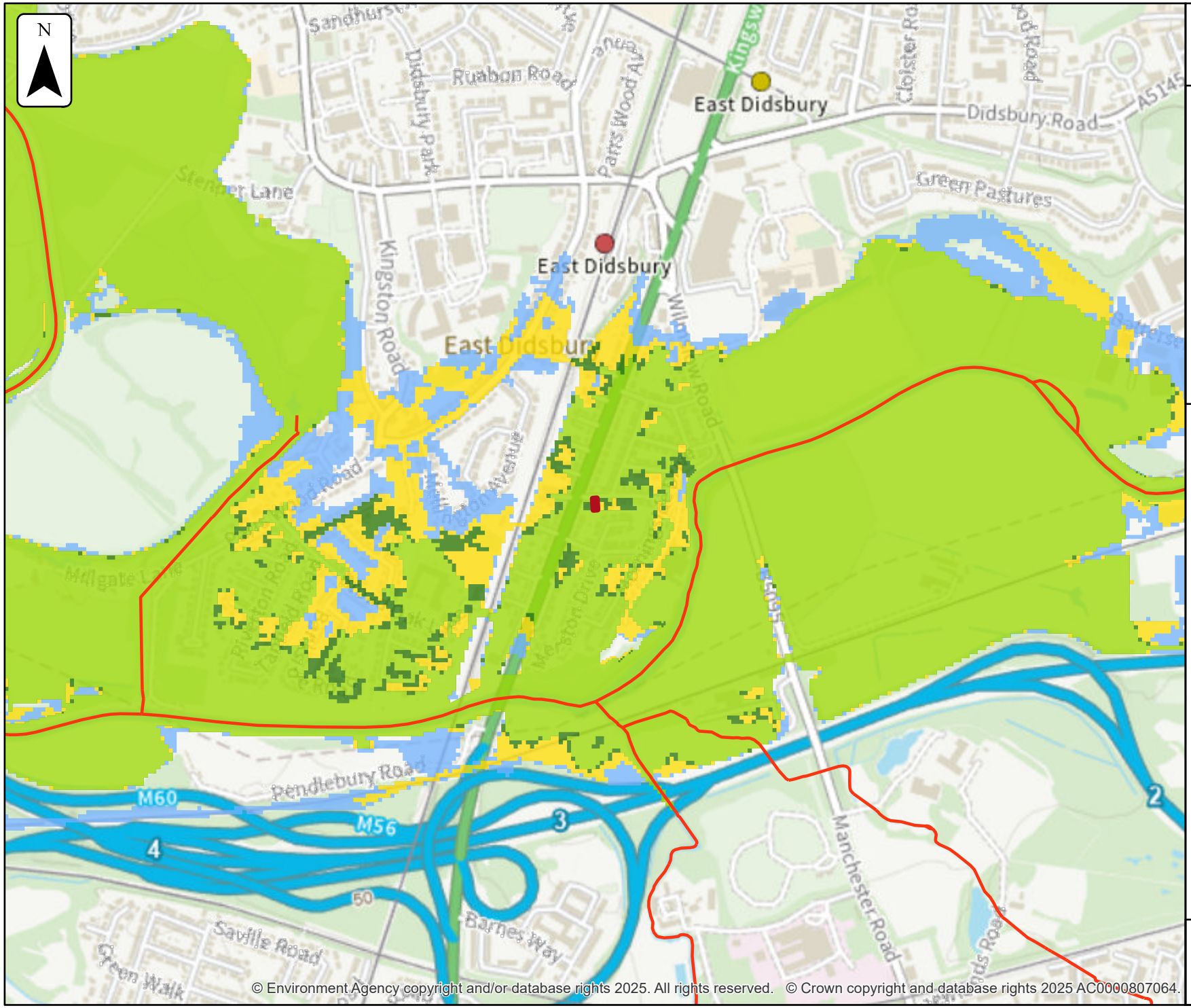
The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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



Environment Agency

Defences removed climate change modelled fluvial extent

Location (easting/northing)
385310/389791

Scale
1:10,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

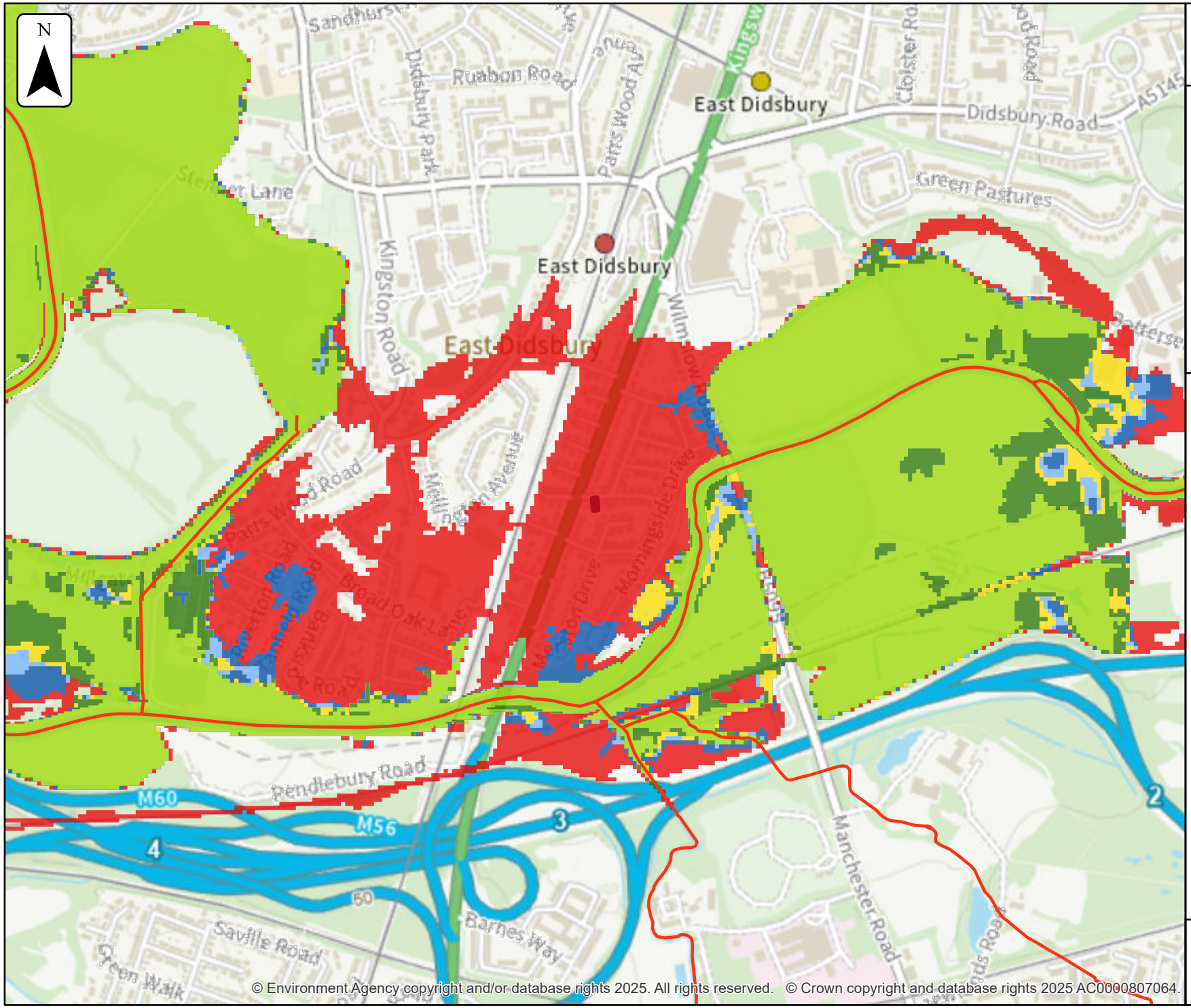
- Selected area
- Main river

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

0 100 200 300 400 500
metres



Environment Agency

Defences removed modelled fluvial extent

Location (easting/northing)
385310/389791

Scale
1:10,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

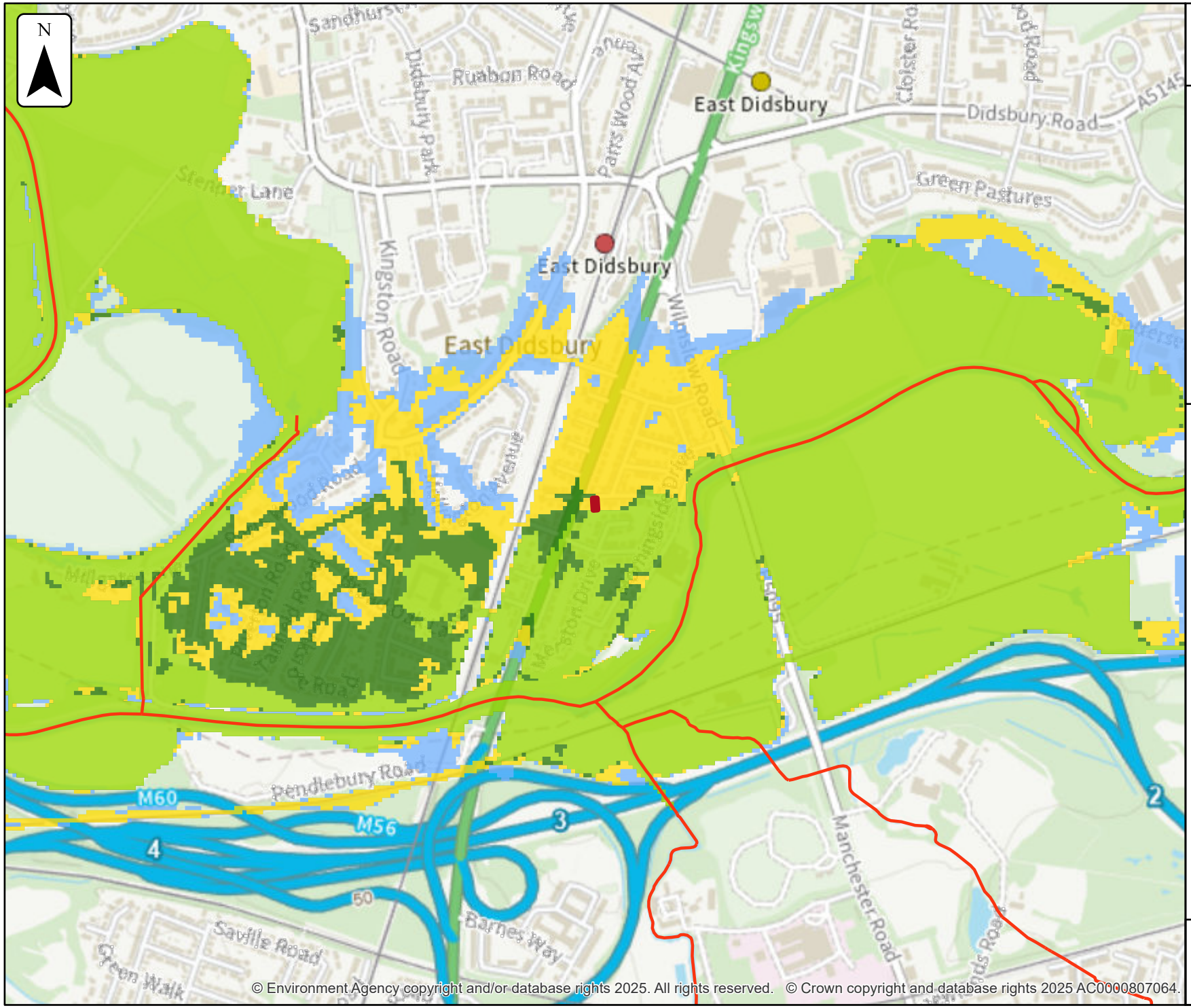
- Selected area
- Main river

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



Environment Agency

Defended climate change modelled fluvial extent

Location (easting/northing)
385310/389791

Scale
1:10,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

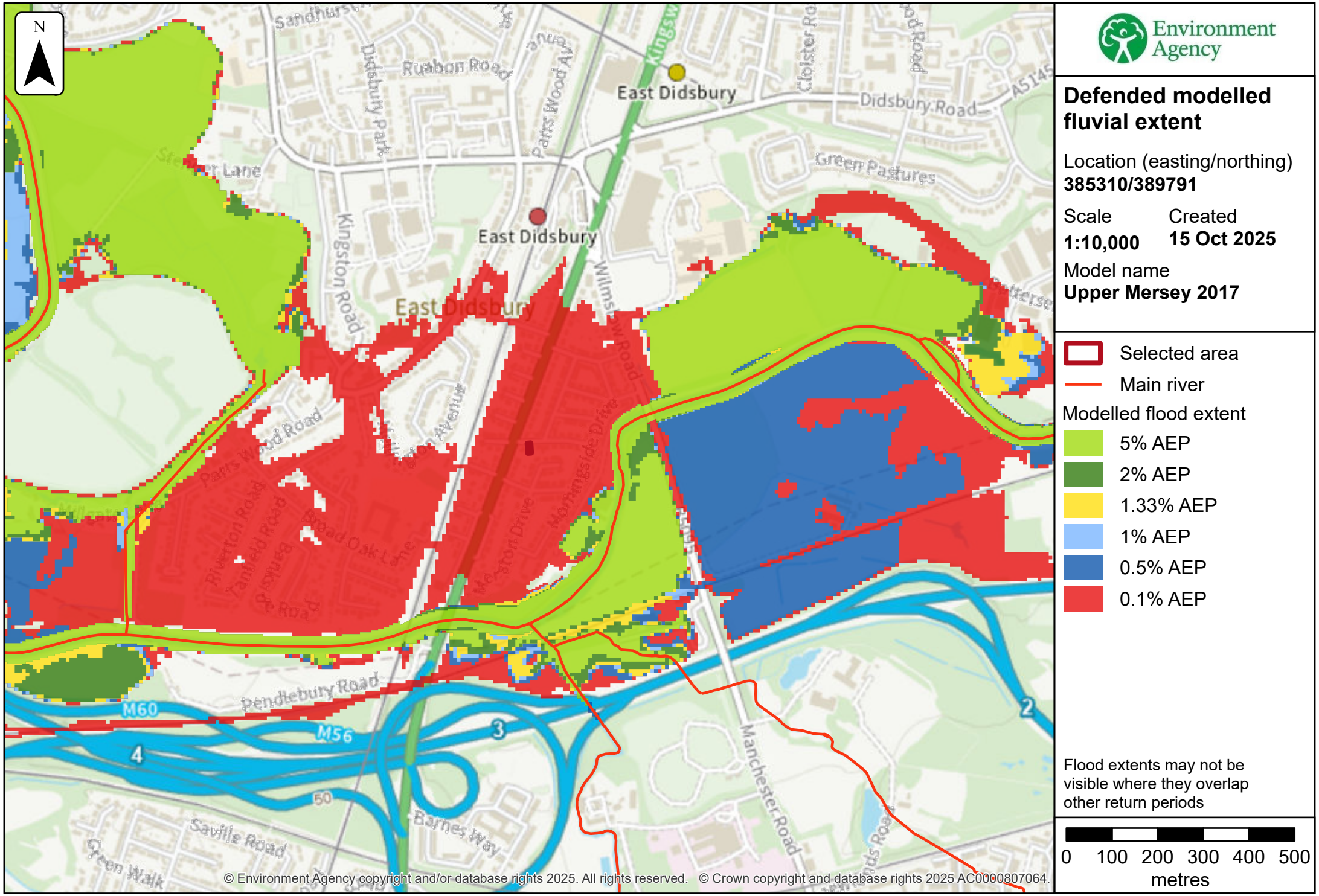
- Selected area
- Main river

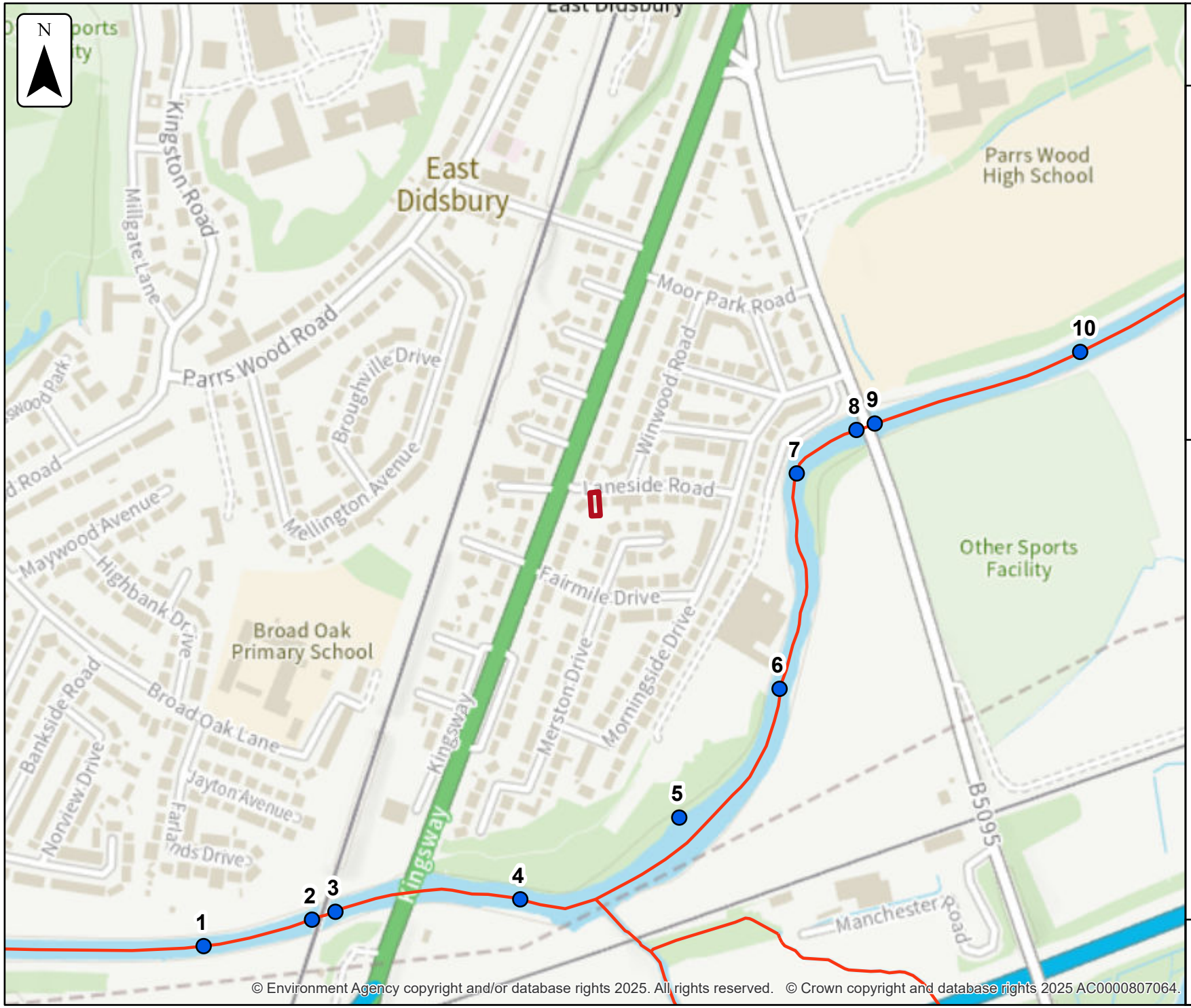
Modelled flood extent

- 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

0 100 200 300 400 500
metres


N
East Didsbury
East Didsbury
East Didsbury
Didsbury Road
Kingston Road
Wilmslow Road
Green Pastures
Ruabon Road
Parrs Wood Avenue
Didsbury Park
Broad Oak Lane
Riverton Road
Morningside Drive
Pendlebury Road
Manchester Road
Barnes Way
Saville Road
Green Walk
M60
M56
A5145
1
2
3
4
50
Environment Agency
Defended modelled fluvial extent
Location (easting/northing)
385310/389791
Scale
1:10,000
Created
15 Oct 2025
Model name
Upper Mersey 2017
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
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Defences removed climate change modelled fluvial node locations

Location (easting/northing)
385310/389791

Scale
1:5,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area
Modelled location
Main river

0 50 100 150 200 250
metres

Modelled node locations data

Defences removed climate change

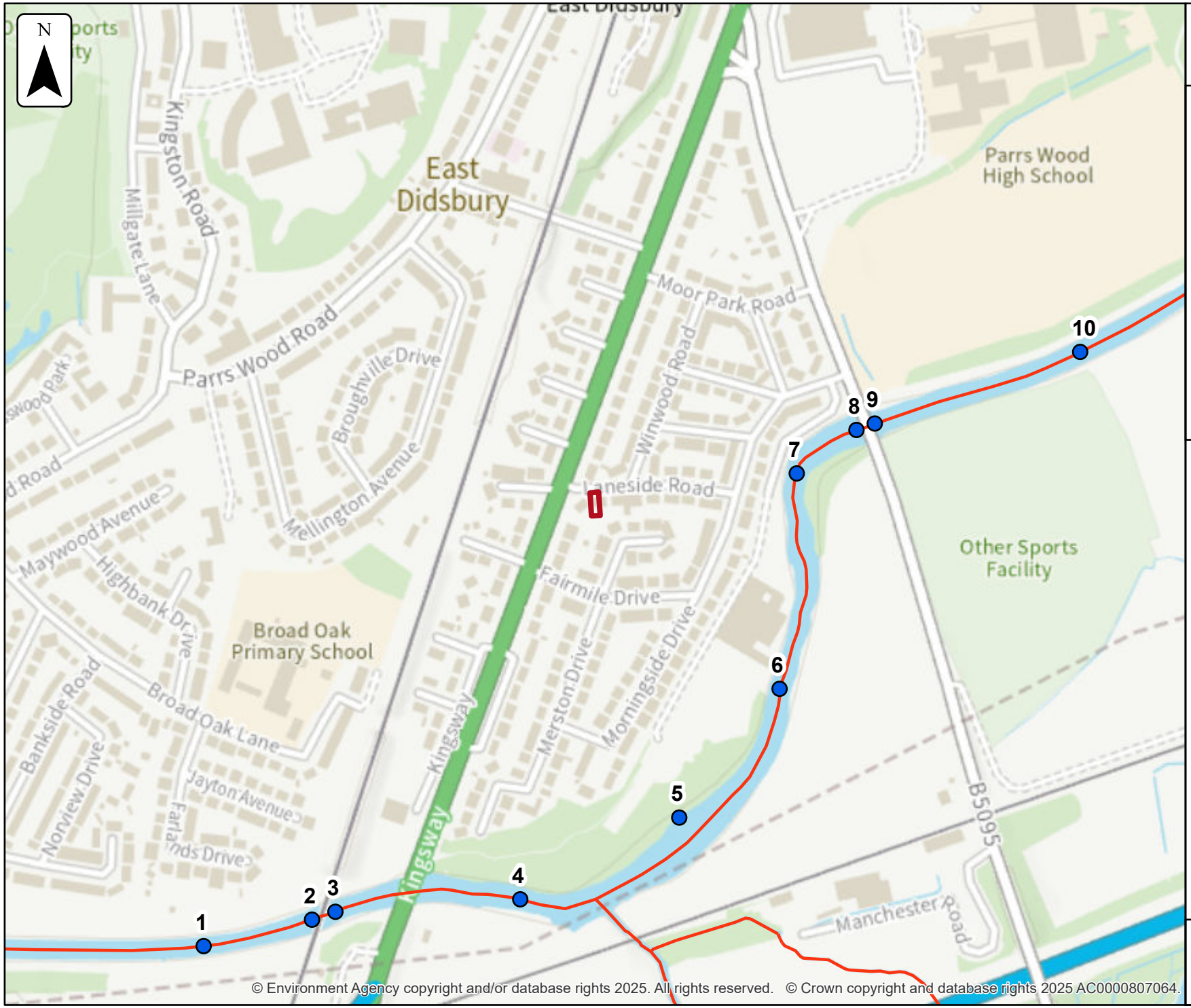
Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level
1	1290830	384929	389361	32.67	32.73	33.02	33.52
2	1290644	385035	389387	32.93	32.98	33.28	33.75
3	1290733	385057	389394	33.38	33.46	33.85	34.50
4	1290527	385237	389407	33.73	33.86	34.50	35.42
5	1290659	385392	389486	34.16	34.27	34.76	35.52
6	1290729	385490	389612	34.17	34.28	34.76	35.52
7	1290547	385507	389821	34.30	34.42	34.93	35.71
8	1290705	385565	389864	34.39	34.50	35.01	35.76
9	1290584	385583	389870	34.96	35.05	35.44	36.13
10	1290597	385783	389940	35.13	35.20	35.44	35.83

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

Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Flow	Flow	Flow	Flow
1	1290830	384929	389361	494.96	510.96	589.49	729.39
2	1290644	385035	389387	504.58	521.49	602.82	753.99
3	1290733	385057	389394	504.58	521.49	602.82	753.99
4	1290527	385237	389407	451.19	453.33	457.20	457.69
5	1290659	385392	389486	382.06	382.41	394.85	434.16
6	1290729	385490	389612	342.67	341.82	351.39	360.73
7	1290547	385507	389821	370.67	372.84	363.39	373.53
8	1290705	385565	389864	379.39	378.83	368.85	382.01
9	1290584	385583	389870	379.39	378.83	368.85	382.01
10	1290597	385783	389940	267.89	275.79	320.24	545.91

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.



Environment Agency

Defences removed modelled fluvial node locations

Location (easting/northing)
385310/389791

Scale
1:5,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area
Modelled location
Main river

0 50 100 150 200 250
metres

Modelled node locations data

Defences removed

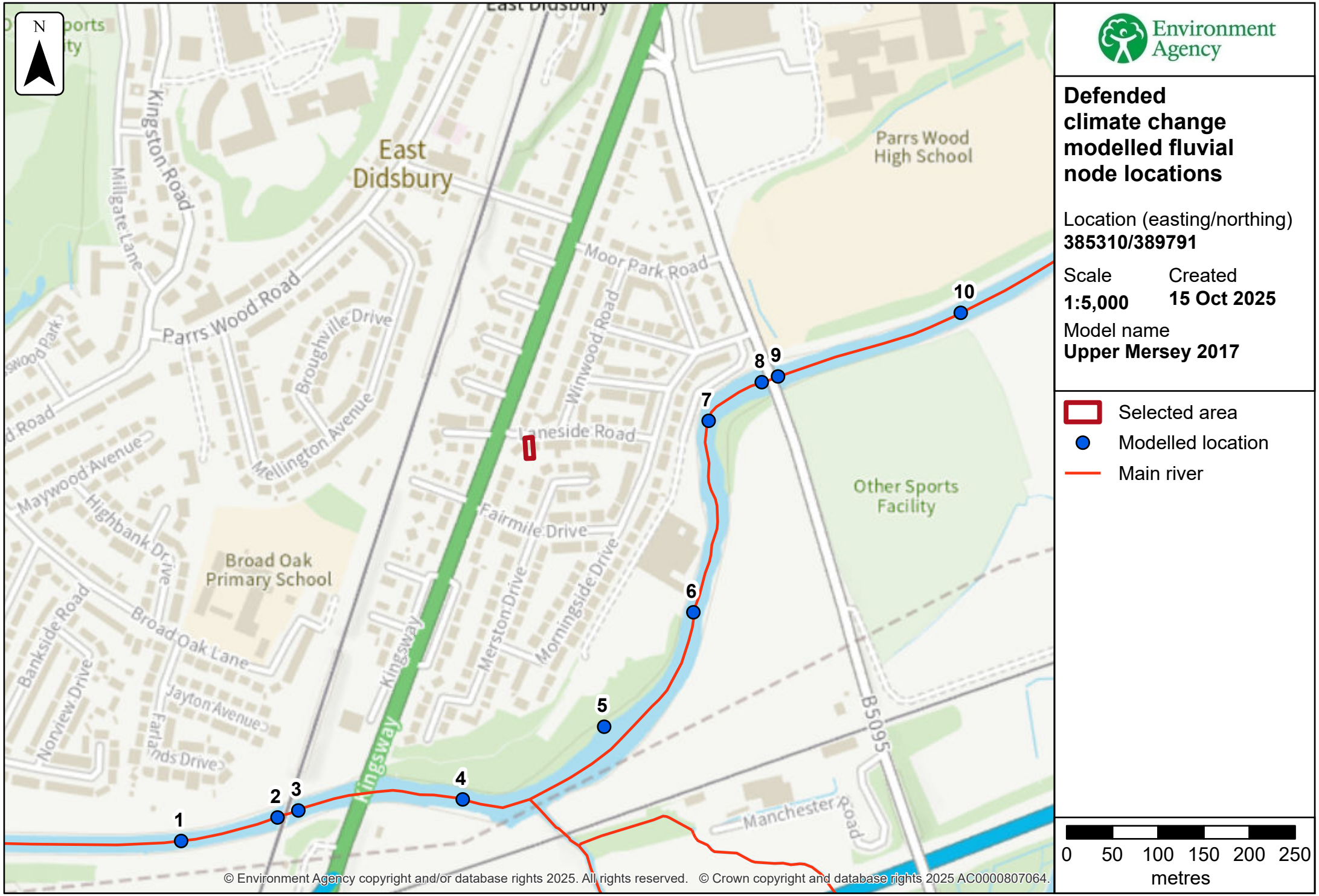
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290830	384929	389361	31.54	31.84	31.99	32.10	32.13	32.16	32.25	32.32	32.37	32.50	33.08
2	1290644	385035	389387	31.66	31.99	32.17	32.29	32.32	32.36	32.46	32.54	32.60	32.74	33.35
3	1290733	385057	389394	31.70	32.05	32.27	32.43	32.47	32.52	32.66	32.77	32.85	33.06	33.93
4	1290527	385237	389407	31.84	32.21	32.44	32.62	32.67	32.72	32.87	33.0	33.09	33.32	34.63
5	1290659	385392	389486	32.04	32.46	32.73	32.92	32.98	33.05	33.22	33.36	33.46	33.75	34.86
6	1290729	385490	389612	32.10	32.49	32.74	32.93	32.99	33.05	33.22	33.36	33.46	33.76	34.86
7	1290547	385507	389821	32.30	32.71	32.99	33.19	33.26	33.32	33.51	33.64	33.71	33.86	35.04
8	1290705	385565	389864	32.42	32.84	33.14	33.34	33.41	33.48	33.66	33.80	33.87	34.01	35.13
9	1290584	385583	389870	32.55	33.03	33.38	33.63	33.72	33.81	34.04	34.22	34.32	34.51	35.50
10	1290597	385783	389940	32.65	33.11	33.55	33.83	33.97	34.08	34.34	34.53	34.64	34.83	35.45

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

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	1290830	384929	389361	184.17	232.79	270.09	299.93	308.71	318.82	346.30	368.75	385.86	431.33	605.67
2	1290644	385035	389387	184.18	232.93	270.02	300.28	309.40	319.58	348.20	371.64	389.64	436.68	618.73
3	1290733	385057	389394	184.18	232.93	270.02	300.28	309.40	319.58	348.20	371.64	389.64	436.68	618.73
4	1290527	385237	389407	168.41	211.93	249.77	276.13	287.85	297.44	324.23	345.05	361.58	403.90	459.94
5	1290659	385392	389486	168.36	207.72	243.88	269.22	280.68	290.0	315.05	335.54	348.68	366.10	400.64
6	1290729	385490	389612	168.34	211.72	249.46	275.61	287.45	297.19	320.98	337.26	344.13	342.60	355.12
7	1290547	385507	389821	168.34	211.69	249.47	275.72	287.51	297.26	320.37	338.65	351.44	370.69	365.97
8	1290705	385565	389864	168.34	211.69	249.44	275.65	287.45	297.26	320.93	340.44	353.78	376.17	373.25
9	1290584	385583	389870	168.34	211.69	249.44	275.65	287.45	297.26	320.93	340.44	353.78	376.17	373.25
10	1290597	385783	389940	168.42	212.67	223.90	228.88	230.32	231.22	233.71	235.75	236.76	242.81	401.71

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.



Environment Agency

Defended climate change modelled fluvial node locations

Location (easting/northing)
385310/389791

Scale
1:5,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 50 100 150 200 250
metres

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Modelled node locations data

Defended climate change

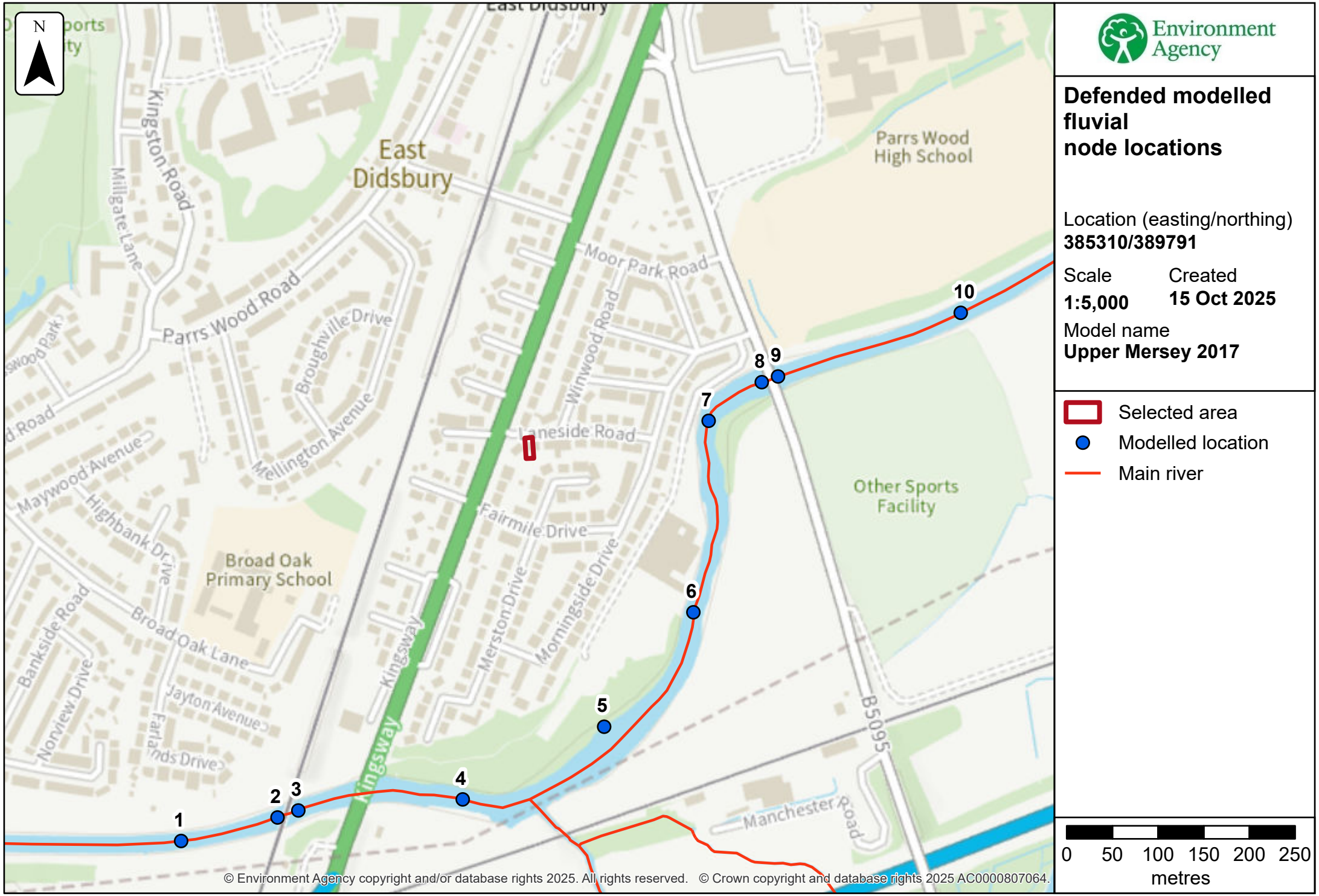
Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level
1	1290830	384929	389361	33.65	33.69	33.89	34.21
2	1290644	385035	389387	33.84	33.90	34.16	34.58
3	1290733	385057	389394	34.04	34.12	34.43	34.96
4	1290527	385237	389407	34.26	34.34	34.86	35.62
5	1290659	385392	389486	34.59	34.68	35.05	35.70
6	1290729	385490	389612	34.58	34.68	35.03	35.70
7	1290547	385507	389821	34.68	34.81	35.17	35.85
8	1290705	385565	389864	34.73	34.84	35.21	35.89
9	1290584	385583	389870	35.26	35.31	35.63	36.38
10	1290597	385783	389940	35.34	35.37	35.48	36.12

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

Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Flow	Flow	Flow	Flow
1	1290830	384929	389361	488.38	508.38	589.73	744.02
2	1290644	385035	389387	478.45	495.11	566.0	708.62
3	1290733	385057	389394	478.45	495.11	566.0	708.62
4	1290527	385237	389407	435.29	449.73	453.26	452.28
5	1290659	385392	389486	366.56	368.35	378.89	441.90
6	1290729	385490	389612	333.47	334.26	352.79	385.50
7	1290547	385507	389821	381.18	382.21	383.09	407.06
8	1290705	385565	389864	401.28	403.27	398.65	425.40
9	1290584	385583	389870	401.28	403.27	398.65	425.40
10	1290597	385783	389940	314.91	326.45	436.96	563.12

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.



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Defended modelled fluvial node locations

Location (easting/northing)
385310/389791

Scale
1:5,000

Created
15 Oct 2025

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 50 100 150 200 250
metres

Modelled node locations data

Defended

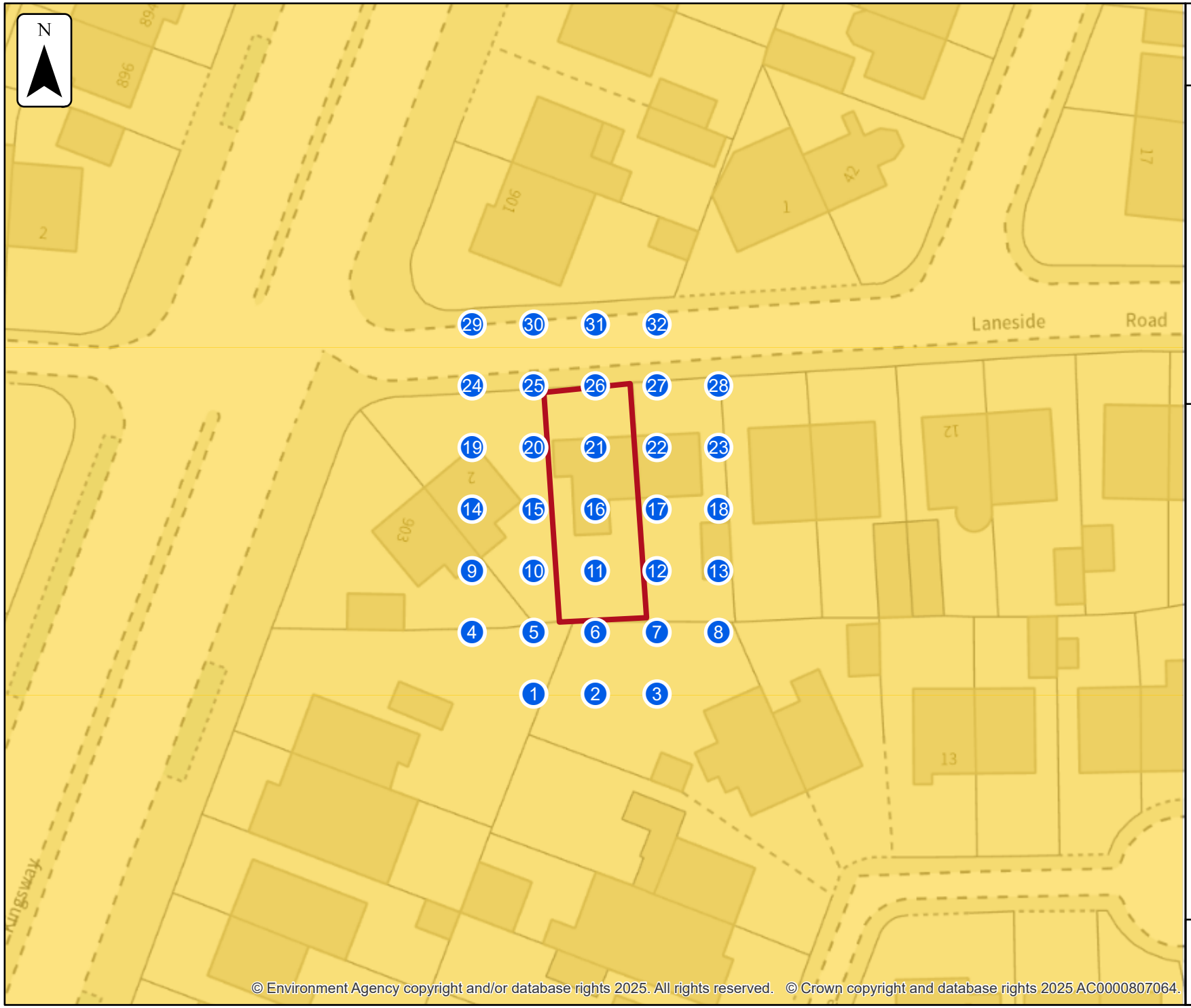
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290830	384929	389361	31.75	32.25	32.42	32.73	32.82	32.89	33.06	33.17	33.24	33.38	33.94
2	1290644	385035	389387	31.85	32.36	32.54	32.85	32.94	33.01	33.19	33.29	33.37	33.52	34.23
3	1290733	385057	389394	31.88	32.42	32.63	32.97	33.07	33.14	33.34	33.45	33.54	33.69	34.51
4	1290527	385237	389407	32.0	32.54	32.76	33.09	33.20	33.27	33.47	33.60	33.69	33.88	35.0
5	1290659	385392	389486	32.17	32.75	33.0	33.34	33.45	33.53	33.75	33.86	33.97	34.14	35.17
6	1290729	385490	389612	32.21	32.75	32.99	33.33	33.44	33.53	33.74	33.86	33.97	34.13	35.15
7	1290547	385507	389821	32.40	32.94	33.19	33.54	33.64	33.69	33.82	33.91	34.0	34.16	35.29
8	1290705	385565	389864	32.50	33.06	33.32	33.67	33.76	33.82	33.95	34.04	34.13	34.27	35.32
9	1290584	385583	389870	32.63	33.25	33.56	33.96	34.08	34.16	34.34	34.48	34.64	34.92	35.73
10	1290597	385783	389940	32.72	33.32	33.64	34.13	34.27	34.36	34.57	34.71	34.87	35.14	35.55

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

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	1290830	384929	389361	183.85	242.55	271.71	311.04	323.33	333.60	362.59	381.35	397.52	423.07	611.88
2	1290644	385035	389387	183.88	242.98	271.52	310.09	322.94	333.76	362.45	382.71	397.20	421.92	586.99
3	1290733	385057	389394	183.88	242.98	271.52	310.09	322.94	333.76	362.45	382.71	397.20	421.92	586.99
4	1290527	385237	389407	168.21	221.11	250.73	287.01	297.95	308.26	334.70	351.20	365.35	379.16	459.06
5	1290659	385392	389486	168.26	216.49	245.17	280.93	293.43	301.48	317.96	330.51	339.85	353.45	383.74
6	1290729	385490	389612	169.29	220.55	250.89	285.90	294.34	296.19	299.27	306.11	313.60	324.75	357.22
7	1290547	385507	389821	168.81	219.90	250.86	285.97	296.57	305.86	329.99	344.46	357.35	371.08	388.53
8	1290705	385565	389864	169.45	220.46	251.02	286.39	298.46	307.65	334.13	351.85	366.46	385.71	403.67
9	1290584	385583	389870	169.45	220.46	251.02	286.39	298.46	307.65	334.13	351.85	366.46	385.71	403.67
10	1290597	385783	389940	168.64	219.78	251.11	264.59	266.91	268.38	271.89	273.08	274.19	275.59	453.70

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.



Environment Agency

Defended modelled fluvial extent and height

Location (easting/northing)
385310/389791

Scale
1:500

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 31 - 31.625
- 31.625 - 32.25
- 32.25 - 32.875
- 32.875 - 33.5
- 33.5 - 34.125
- 34.125 - 34.75
- 34.75 - 35.375
- 35.375 - 36.0
- 36.0 - 36.625

This map shows the 0.1% AEP height data

0 5 10 15 20
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
			Height	Height	Height	Height	Height	Height	Height	Height	Height	Height	Height
1	385304	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
2	385310	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
3	385316	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
4	385298	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
5	385304	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
6	385310	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
7	385316	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
8	385322	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
9	385298	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
10	385304	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
11	385310	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
12	385316	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13

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
13	385322	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
14	385298	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
15	385304	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
16	385310	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
17	385316	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
18	385322	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
19	385298	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
20	385304	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
21	385310	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
22	385316	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.14
23	385322	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.14
24	385298	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13

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
25	385304	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
26	385310	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
27	385316	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.14
28	385322	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.14
29	385298	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
30	385304	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
31	385310	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13
32	385316	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.14
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	35.13

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

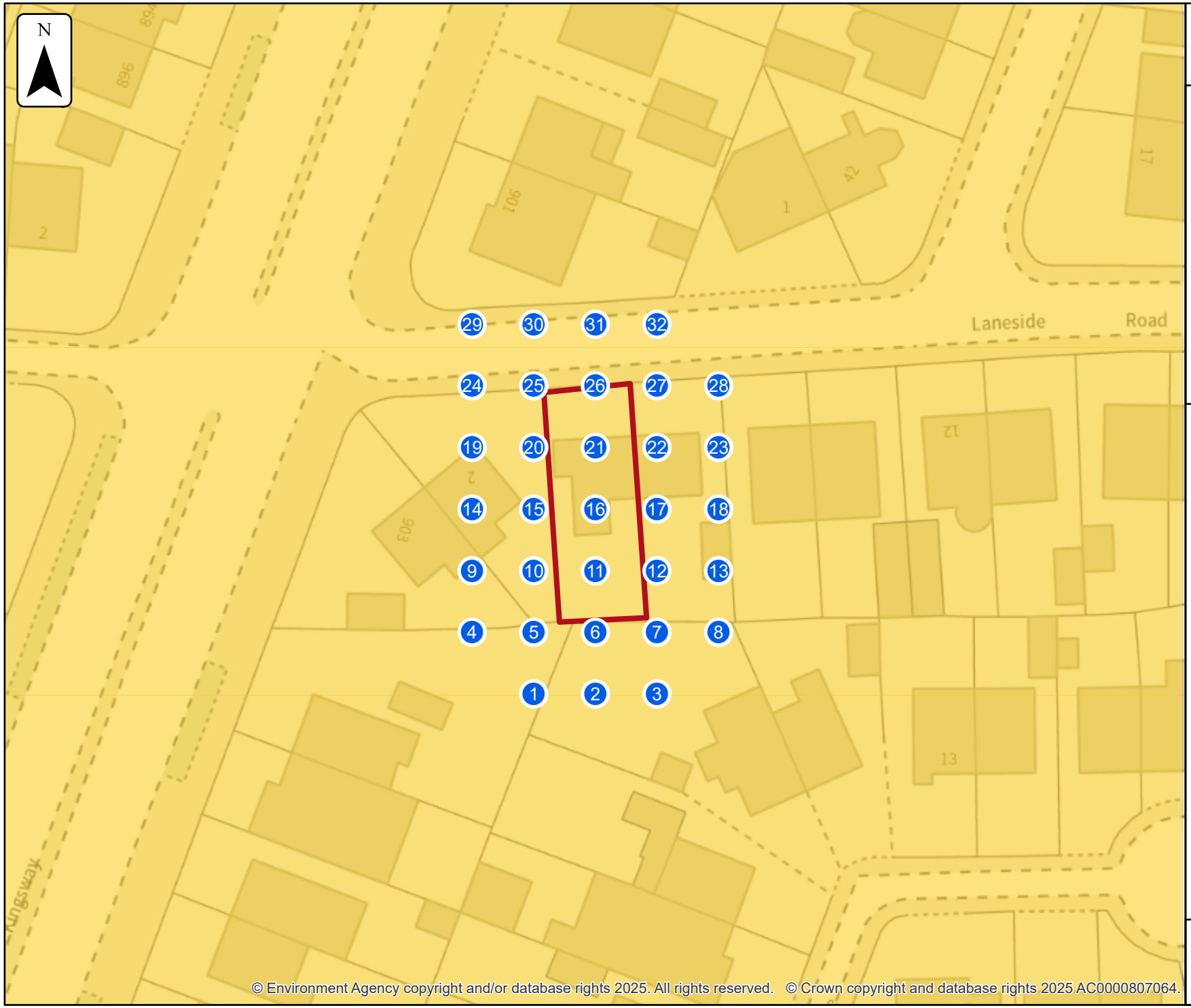
Defended

Label	Easting	Northing	50% AEP	20% AEP	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	385304	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.21
2	385310	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.45
3	385316	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.85
4	385298	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.92
5	385304	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.97
6	385310	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.05
7	385316	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.29
8	385322	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.09
9	385298	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.76
10	385304	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.72
11	385310	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.69
12	385316	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.61

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
13	385322	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.62
14	385298	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.73
15	385304	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.66
16	385310	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.69
17	385316	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.63
18	385322	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
19	385298	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.79
20	385304	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.73
21	385310	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.67
22	385316	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.67
23	385322	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.65
24	385298	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.92

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
25	385304	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.89
26	385310	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.80
27	385316	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.75
28	385322	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.74
29	385298	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.76
30	385304	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.87
31	385310	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.90
32	385316	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.84
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.89

Data in this table comes from the Upper Mersey 2017 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.



Environment Agency

Defences removed modelled fluvial extent and height

Location (easting/northing)
385310/389791

Scale
1:500

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 31 - 31.625
- 31.625 - 32.25
- 32.25 - 32.875
- 32.875 - 33.5
- 33.5 - 34.125
- 34.125 - 34.75
- 34.75 - 35.375
- 35.375 - 36.0
- 36.0 - 36.625

This map shows the 0.1% AEP height data

0 5 10 15 20
metres

Sample point data

Defences removed

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	385304	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
2	385310	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
3	385316	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
4	385298	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
5	385304	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
6	385310	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
7	385316	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
8	385322	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
9	385298	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
10	385304	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
11	385310	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
12	385316	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86

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
13	385322	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.86
14	385298	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
15	385304	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
16	385310	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
17	385316	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
18	385322	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.87
19	385298	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
20	385304	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
21	385310	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
22	385316	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
23	385322	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
24	385298	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89

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
25	385304	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.89
26	385310	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
27	385316	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
28	385322	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
29	385298	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
30	385304	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
31	385310	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
32	385316	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	34.90

Data in this table comes from the Upper Mersey 2017 model. Height values are shown in mAOD, and depth values are shown in metres.
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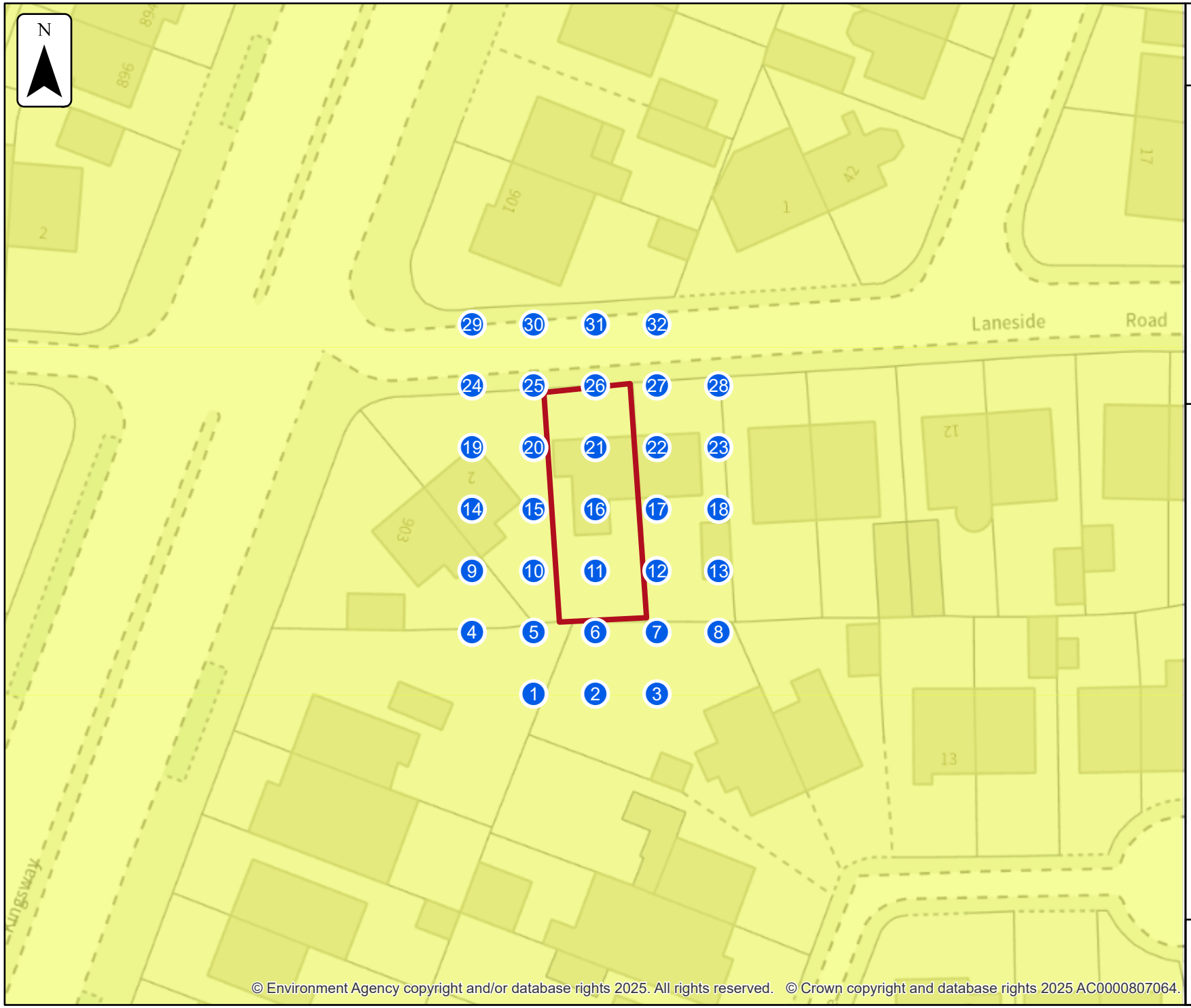
Defences removed

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	385304	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.94
2	385310	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.18
3	385316	389773	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.58
4	385298	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.65
5	385304	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.70
6	385310	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.78
7	385316	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.02
8	385322	389779	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.82
9	385298	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.49
10	385304	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.45
11	385310	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.42
12	385316	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.34

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
13	385322	389785	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.35
14	385298	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.47
15	385304	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.40
16	385310	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.42
17	385316	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.37
18	385322	389791	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.30
19	385298	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.54
20	385304	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.48
21	385310	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.43
22	385316	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.43
23	385322	389797	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.40
24	385298	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.68

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
25	385304	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.65
26	385310	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
27	385316	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.52
28	385322	389803	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
29	385298	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.52
30	385304	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.63
31	385310	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.66
32	385316	389809	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.61
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.65

Data in this table comes from the Upper Mersey 2017 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.



Environment Agency

Defended climate change modelled fluvial extent and height

Location (easting/northing)
385310/389791

Scale
1:500

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 33 - 33.5
- 33.5 - 34.0
- 34.0 - 34.5
- 34.5 - 35.0
- 35.0 - 35.5
- 35.5 - 36.0
- 36.0 - 36.5
- 36.5 - 37.0
- 37.0 - 37.5

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

0 5 10 15 20
metres

Sample point data

Defended climate change

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
1	385304	389773	34.03	34.28	34.99	35.73
2	385310	389773	34.03	34.28	35.00	35.73
3	385316	389773	34.03	34.28	35.00	35.73
4	385298	389779	34.03	34.28	34.99	35.73
5	385304	389779	34.03	34.28	34.99	35.73
6	385310	389779	34.03	34.28	34.99	35.73
7	385316	389779	34.03	34.28	35.00	35.73
8	385322	389779	34.03	34.28	35.00	35.73
9	385298	389785	NoData	NoData	34.99	35.73
10	385304	389785	NoData	NoData	34.99	35.73
11	385310	389785	NoData	NoData	34.99	35.73
12	385316	389785	NoData	NoData	34.99	35.73

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
13	385322	389785	NoData	NoData	35.00	35.73
14	385298	389791	NoData	NoData	34.99	35.74
15	385304	389791	NoData	NoData	34.99	35.74
16	385310	389791	NoData	NoData	34.99	35.73
17	385316	389791	NoData	NoData	35.00	35.73
18	385322	389791	NoData	NoData	35.00	35.74
19	385298	389797	NoData	NoData	34.99	35.74
20	385304	389797	NoData	NoData	34.99	35.74
21	385310	389797	NoData	NoData	35.00	35.74
22	385316	389797	NoData	NoData	35.00	35.75
23	385322	389797	NoData	NoData	35.00	35.74
24	385298	389803	NoData	NoData	34.99	35.74

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
25	385304	389803	NoData	NoData	34.99	35.74
26	385310	389803	NoData	NoData	35.00	35.75
27	385316	389803	NoData	NoData	35.00	35.75
28	385322	389803	NoData	NoData	35.00	35.75
29	385298	389809	NoData	34.25	34.99	35.74
30	385304	389809	NoData	34.25	34.99	35.75
31	385310	389809	NoData	34.25	35.00	35.75
32	385316	389809	NoData	34.25	35.00	35.75
Max value in selected area:			NoData	NoData	35.00	35.75

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

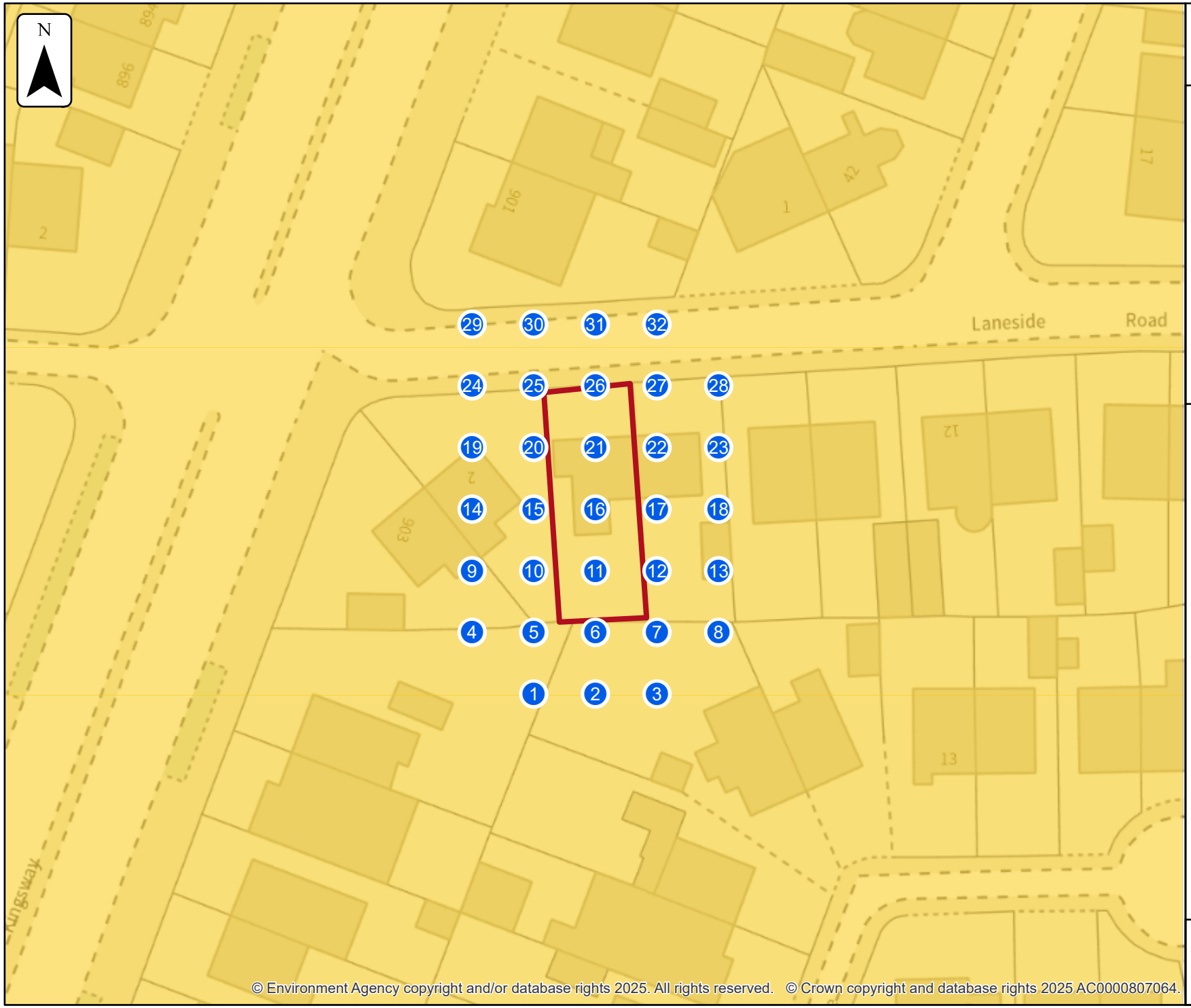
Defended climate change

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
1	385304	389773	0.17	0.37	1.08	1.81
2	385310	389773	0.35	0.60	1.32	2.05
3	385316	389773	0.74	1.00	1.71	2.45
4	385298	389779	0.02	0.09	0.78	1.52
5	385304	389779	0.06	0.12	0.84	1.57
6	385310	389779	0.10	0.23	0.91	1.65
7	385316	389779	0.36	0.48	1.16	1.89
8	385322	389779	0.20	0.26	0.95	1.69
9	385298	389785	NoData	NoData	0.62	1.36
10	385304	389785	NoData	NoData	0.58	1.32
11	385310	389785	NoData	NoData	0.55	1.29
12	385316	389785	NoData	NoData	0.47	1.21

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
13	385322	389785	NoData	NoData	0.48	1.22
14	385298	389791	NoData	NoData	0.59	1.34
15	385304	389791	NoData	NoData	0.53	1.27
16	385310	389791	NoData	NoData	0.55	1.29
17	385316	389791	NoData	NoData	0.50	1.24
18	385322	389791	NoData	NoData	0.42	1.16
19	385298	389797	NoData	NoData	0.65	1.40
20	385304	389797	NoData	NoData	0.59	1.34
21	385310	389797	NoData	NoData	0.53	1.28
22	385316	389797	NoData	NoData	0.53	1.28
23	385322	389797	NoData	NoData	0.51	1.26
24	385298	389803	NoData	NoData	0.79	1.53

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
25	385304	389803	NoData	NoData	0.76	1.51
26	385310	389803	NoData	NoData	0.66	1.41
27	385316	389803	NoData	NoData	0.61	1.37
28	385322	389803	NoData	NoData	0.60	1.35
29	385298	389809	NoData	0.03	0.62	1.37
30	385304	389809	NoData	0.02	0.73	1.48
31	385310	389809	NoData	0.04	0.76	1.51
32	385316	389809	NoData	0.00	0.70	1.46
Max value in selected area:			NoData	NoData	0.76	1.51

Data in this table comes from the Upper Mersey 2017 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.



Environment Agency

Defences removed climate change modelled fluvial extent and height

Location (easting/northing)
385310/389791

Scale
1:500

Created
15 Oct 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 33 - 33.375
- 33.375 - 33.75
- 33.75 - 34.125
- 34.125 - 34.5
- 34.5 - 34.875
- 34.875 - 35.25
- 35.25 - 35.625
- 35.625 - 36.0
- 36.0 - 36.375

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

0 5 10 15 20
metres

Sample point data

Defences removed climate change

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
1	385304	389773	34.01	34.11	34.72	35.56
2	385310	389773	34.01	34.11	34.72	35.56
3	385316	389773	34.01	34.11	34.72	35.56
4	385298	389779	34.07	34.13	34.72	35.56
5	385304	389779	34.01	34.12	34.72	35.56
6	385310	389779	34.01	34.11	34.72	35.56
7	385316	389779	34.01	34.11	34.72	35.56
8	385322	389779	34.01	34.11	34.72	35.56
9	385298	389785	NoData	NoData	34.72	35.56
10	385304	389785	NoData	NoData	34.72	35.56
11	385310	389785	NoData	NoData	34.72	35.56
12	385316	389785	NoData	NoData	34.72	35.56

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
13	385322	389785	NoData	NoData	34.72	35.56
14	385298	389791	NoData	34.44	34.73	35.57
15	385304	389791	NoData	NoData	34.73	35.57
16	385310	389791	NoData	NoData	34.72	35.56
17	385316	389791	NoData	NoData	34.72	35.56
18	385322	389791	NoData	NoData	34.73	35.57
19	385298	389797	34.36	34.44	34.74	35.57
20	385304	389797	NoData	34.44	34.74	35.58
21	385310	389797	NoData	34.44	34.74	35.58
22	385316	389797	NoData	34.45	34.75	35.58
23	385322	389797	NoData	34.45	34.74	35.58
24	385298	389803	34.36	34.44	34.74	35.58

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Height	Height	Height	Height
25	385304	389803	NoData	34.44	34.75	35.58
26	385310	389803	NoData	34.44	34.75	35.58
27	385316	389803	NoData	34.45	34.75	35.59
28	385322	389803	NoData	34.45	34.75	35.59
29	385298	389809	34.37	34.45	34.75	35.58
30	385304	389809	34.37	34.45	34.75	35.58
31	385310	389809	34.37	34.45	34.75	35.58
32	385316	389809	34.37	34.45	34.75	35.59
Max value in selected area:			NoData	34.45	34.75	35.58

Data in this table comes from the Upper Mersey 2017 model. Height values are shown in mAOD, and depth values are shown in metres.
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Defences removed climate change

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
1	385304	389773	0.16	0.24	0.80	1.64
2	385310	389773	0.34	0.43	1.04	1.88
3	385316	389773	0.73	0.83	1.43	2.28
4	385298	389779	0.03	0.05	0.50	1.35
5	385304	389779	0.05	0.08	0.56	1.40
6	385310	389779	0.10	0.14	0.63	1.48
7	385316	389779	0.35	0.40	0.88	1.72
8	385322	389779	0.19	0.22	0.68	1.52
9	385298	389785	NoData	NoData	0.35	1.19
10	385304	389785	NoData	NoData	0.31	1.15
11	385310	389785	NoData	NoData	0.28	1.12
12	385316	389785	NoData	NoData	0.20	1.04

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
13	385322	389785	NoData	NoData	0.20	1.04
14	385298	389791	NoData	0.04	0.33	1.17
15	385304	389791	NoData	NoData	0.26	1.10
16	385310	389791	NoData	NoData	0.28	1.12
17	385316	389791	NoData	NoData	0.22	1.06
18	385322	389791	NoData	NoData	0.15	0.99
19	385298	389797	0.06	0.09	0.40	1.23
20	385304	389797	NoData	0.07	0.33	1.17
21	385310	389797	NoData	0.00	0.28	1.12
22	385316	389797	NoData	0.01	0.28	1.11
23	385322	389797	NoData	0.02	0.26	1.09
24	385298	389803	0.17	0.23	0.54	1.37

Label	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth
25	385304	389803	NoData	0.22	0.51	1.34
26	385310	389803	NoData	0.11	0.41	1.25
27	385316	389803	NoData	0.06	0.37	1.20
28	385322	389803	NoData	0.07	0.35	1.19
29	385298	389809	0.06	0.08	0.38	1.21
30	385304	389809	0.10	0.18	0.48	1.31
31	385310	389809	0.13	0.21	0.51	1.34
32	385316	389809	0.08	0.15	0.46	1.29
Max value in selected area:			NoData	0.22	0.51	1.34

Data in this table comes from the Upper Mersey 2017 model. Height values are shown in mAOD, and depth values are shown in metres.
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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 Manchester District.

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