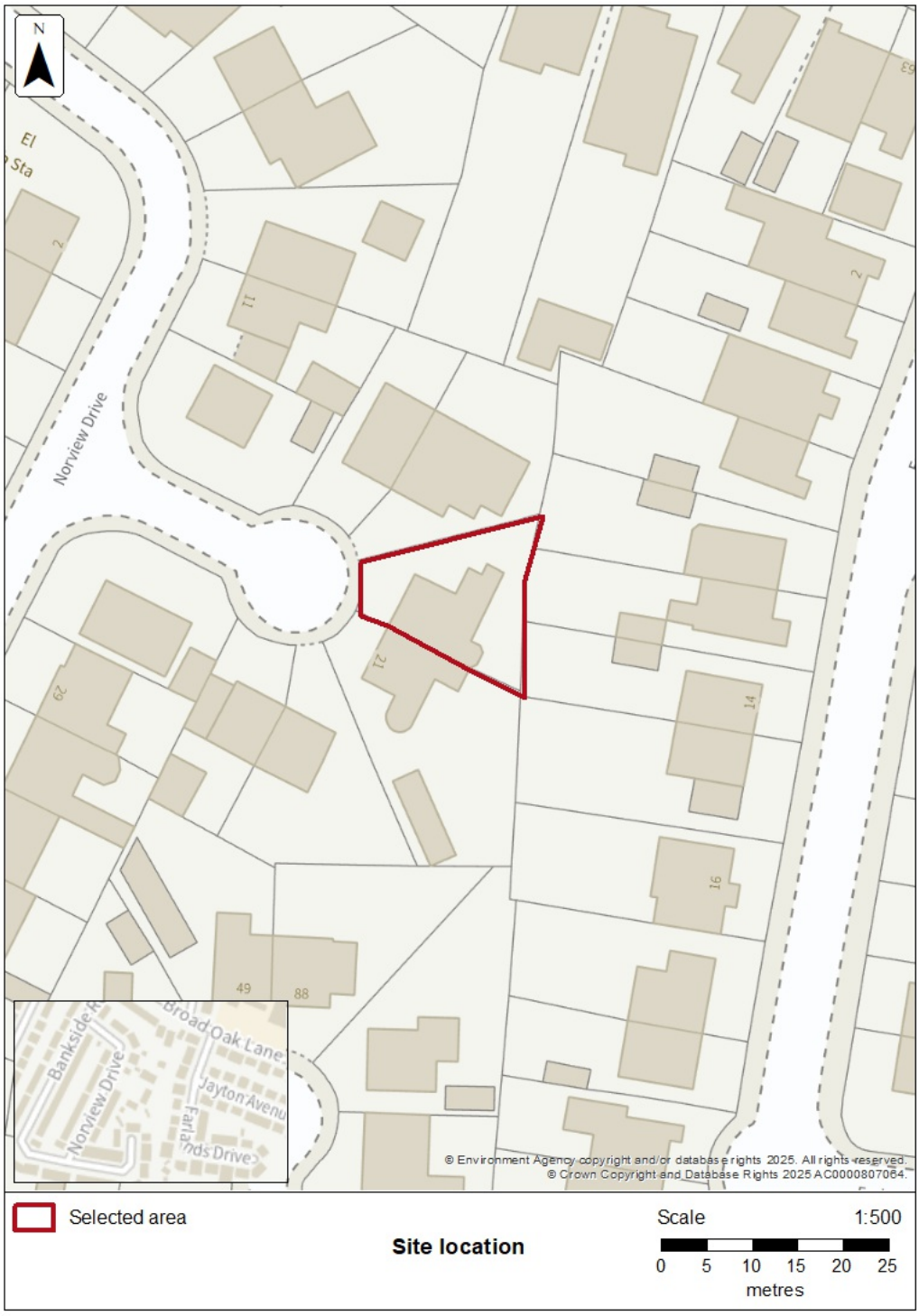
Flood risk assessment data

Location of site: 384860 / 389517 (shown as easting and northing coordinates)
Document created on: 7 January 2025
This information was previously known as a product 4.
Customer reference number: J79F16JC5MXG

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 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

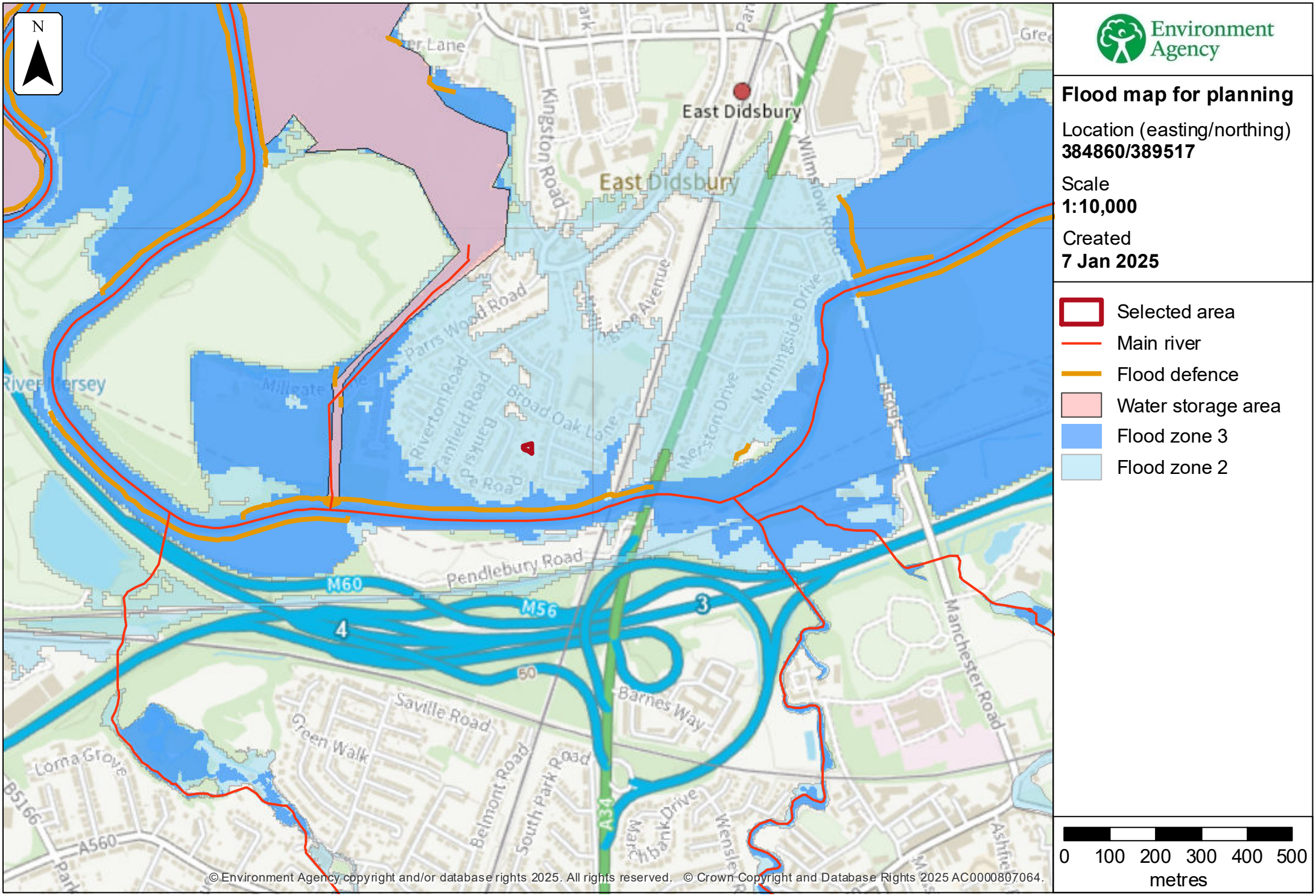
Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- 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

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.


N
East Didsbury
East Didsbury
Kingston Road
Parrs Wood Road
Broad Oak Lane
Merston Drive
Morningside Drive
Pendlebury Road
M60
M56
3
4
60
A34
Barnes Way
Saville Road
Green Walk
Belmont Road
South Park Road
Manchester Road
Lorna Grove
B5166
A560
Environment Agency
Flood map for planning
Location (easting/northing)
384860/389517
Scale
1:10,000
Created
7 Jan 2025
Selected area
Main river
Flood defence
Water storage area
Flood zone 3
Flood zone 2
0 100 200 300 400 500
metres
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Past floods

Past flood events included in this document

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

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

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:

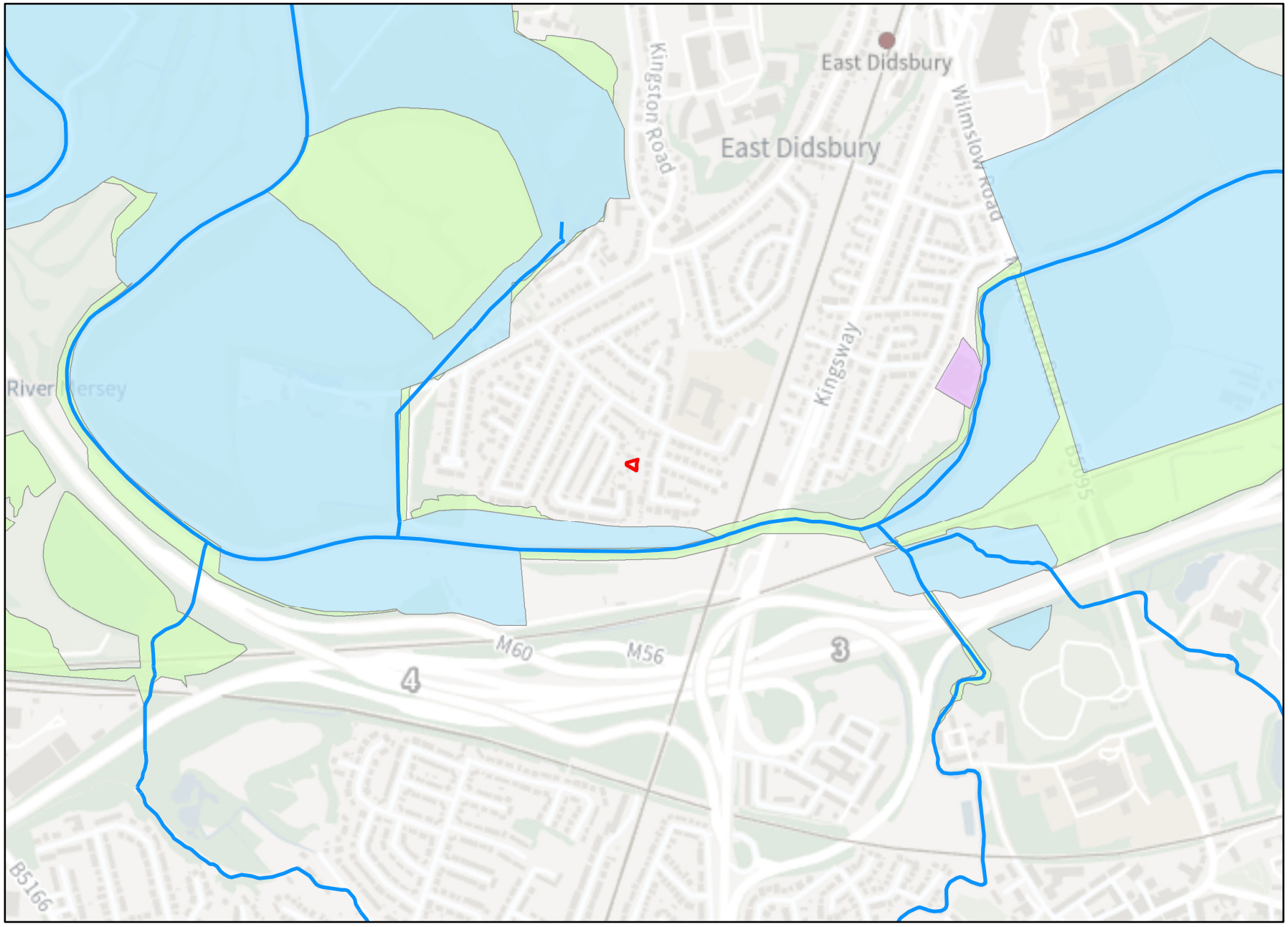
- rivers
- the sea
- groundwater
- surface water

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.

Recorded Flood Outline Map Centred on Norview Drive, Manchester, M20 5QF.
Created 07/01/2025 [GMMC391600AB]



Environment Agency

1:10,001

N

Legend

Site Location

Main River

Recorded Flood Outlines

Start Date

01/01/1964

16/03/2019

20/01/2021

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Contact Us: National Customer Contact Centre, PO Box 544, Rotherham, S60 1BY. Tel: 03708 506 506 (Mon-Fri 8-6). Email: enquiries@environment-agency.gov.uk

Recorded Flood Outlines

Flood Event Code	Name	Start Date	End Date	Source of Flooding	Cause of Flooding
19110	MERS	01/01/1964	02/01/1964	Unknown	Unknown
69497	Waterside Hotel	16/03/2019	16/03/2019	Main River	Channel capacity exceeded (no raised defences)
87092	Didsbury	20/01/2021	20/01/2021	Main River	Other

Flood defences and attributes

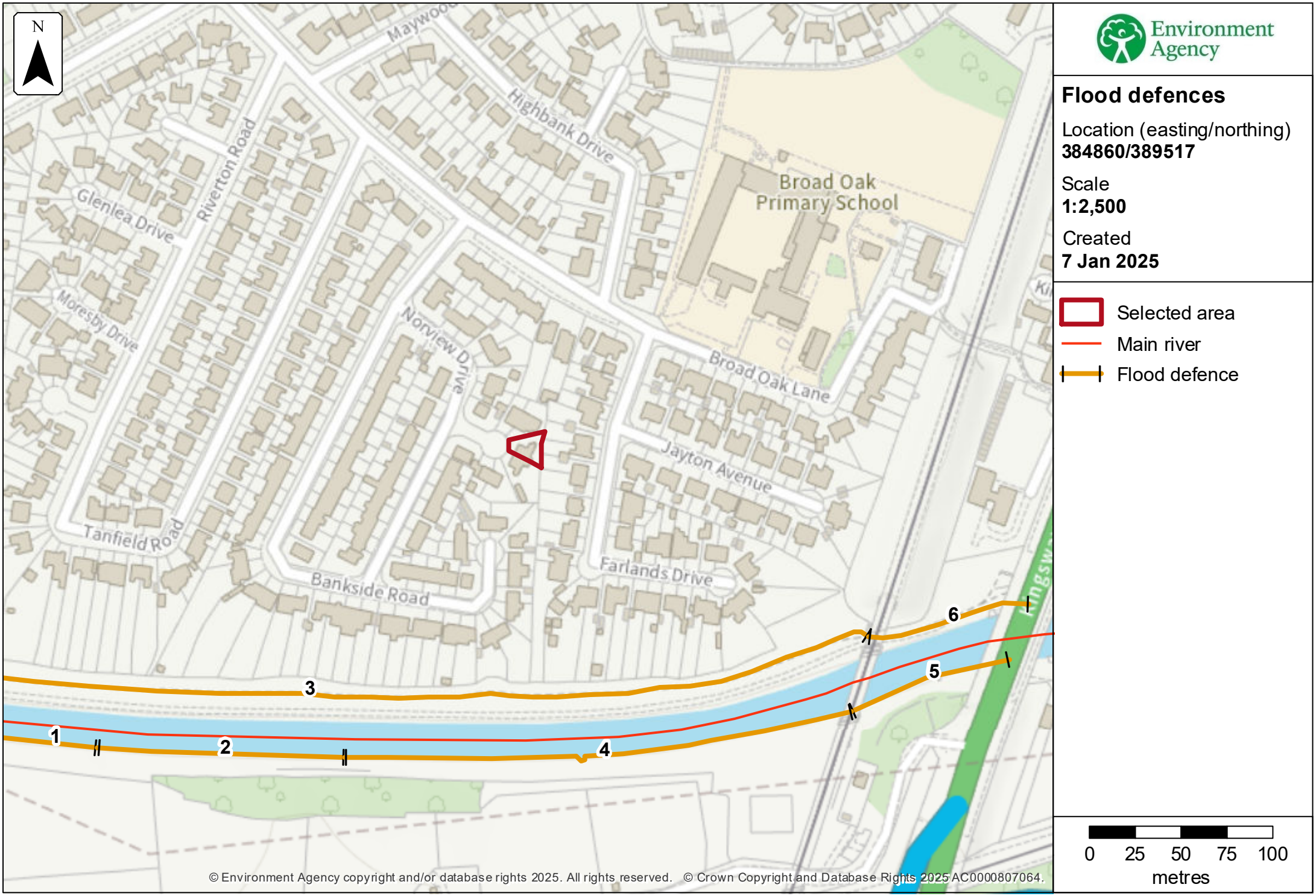
The flood defences map shows the location of the flood defences present.

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


N
Environment Agency
Flood defences
Location (easting/northing)
384860/389517
Scale
1:2,500
Created
7 Jan 2025
Selected area
Main river
Flood defence
Broad Oak Primary School
Broad Oak Lane
Highbank Drive
Riverton Road
Glenlea Drive
Moresby Drive
Norview Drive
Jayton Avenue
Tanfield Road
Bankside Road
Farlands Drive
1
2
3
4
5
6
0 25 50 75 100
metres
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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	121960	Engineered High Ground	100		29.63	29.76	
2	412608	Engineered High Ground	100				
3	122331	Embankment	50		32.93	34.03	
4	412609	Engineered High Ground	100				
5	120921	Engineered High Ground	100		30.58	29.63	
6	122332	Embankment	100		33.59	34.27	

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

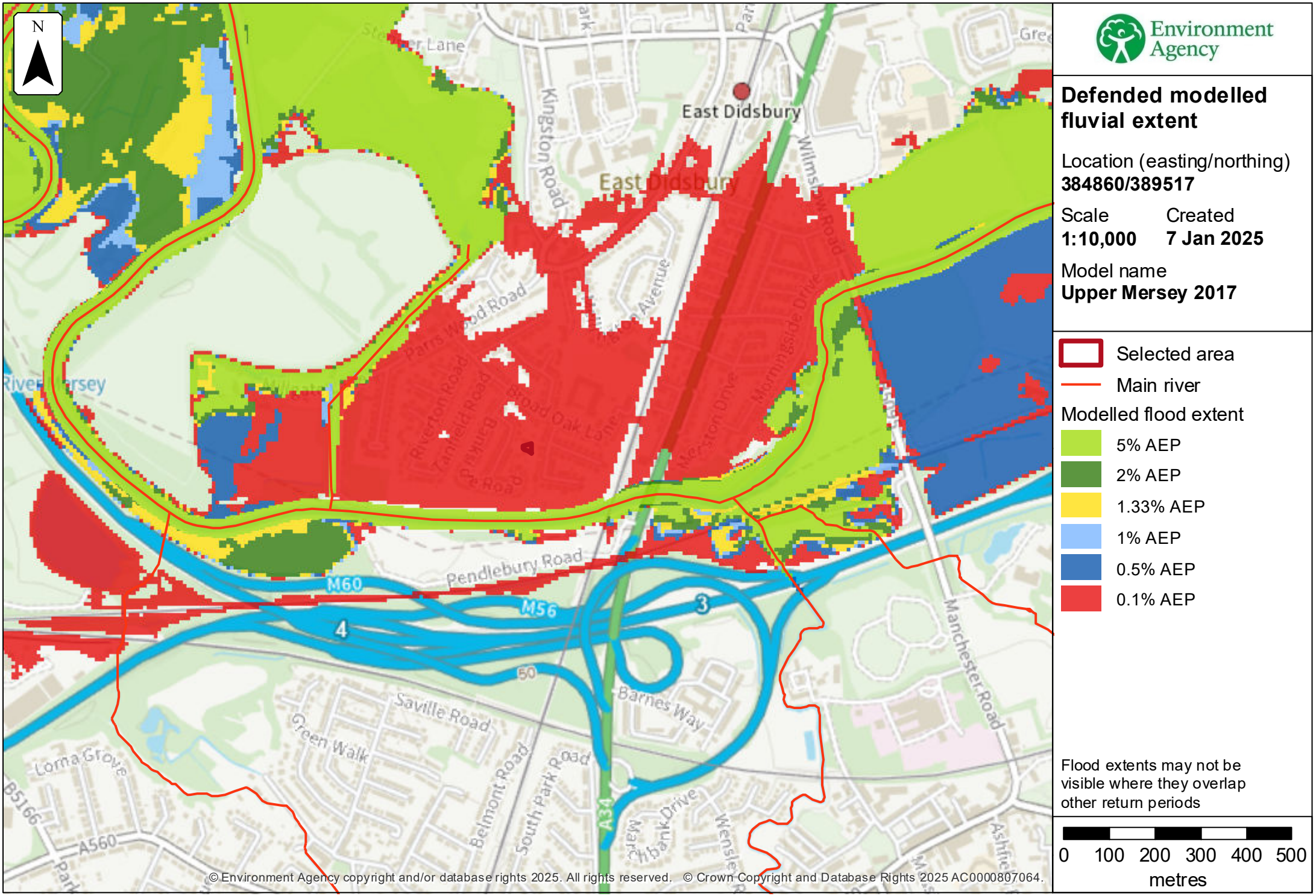
The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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


N
East Didsbury
East Didsbury
Kingston Road
Parrs Wood Road
Broad Oak Lane
Pendlebury Road
M60
M56
A34
Barnes Way
Manchester Road
Saville Road
Green Walk
Belmont Road
South Park Road
Lorna Grove
B5166
A560
Merston Drive
Morningside Drive
Wilmslow Road
Environment Agency
Defended modelled fluvial extent
Location (easting/northing)
384860/389517
Scale
1:10,000
Created
7 Jan 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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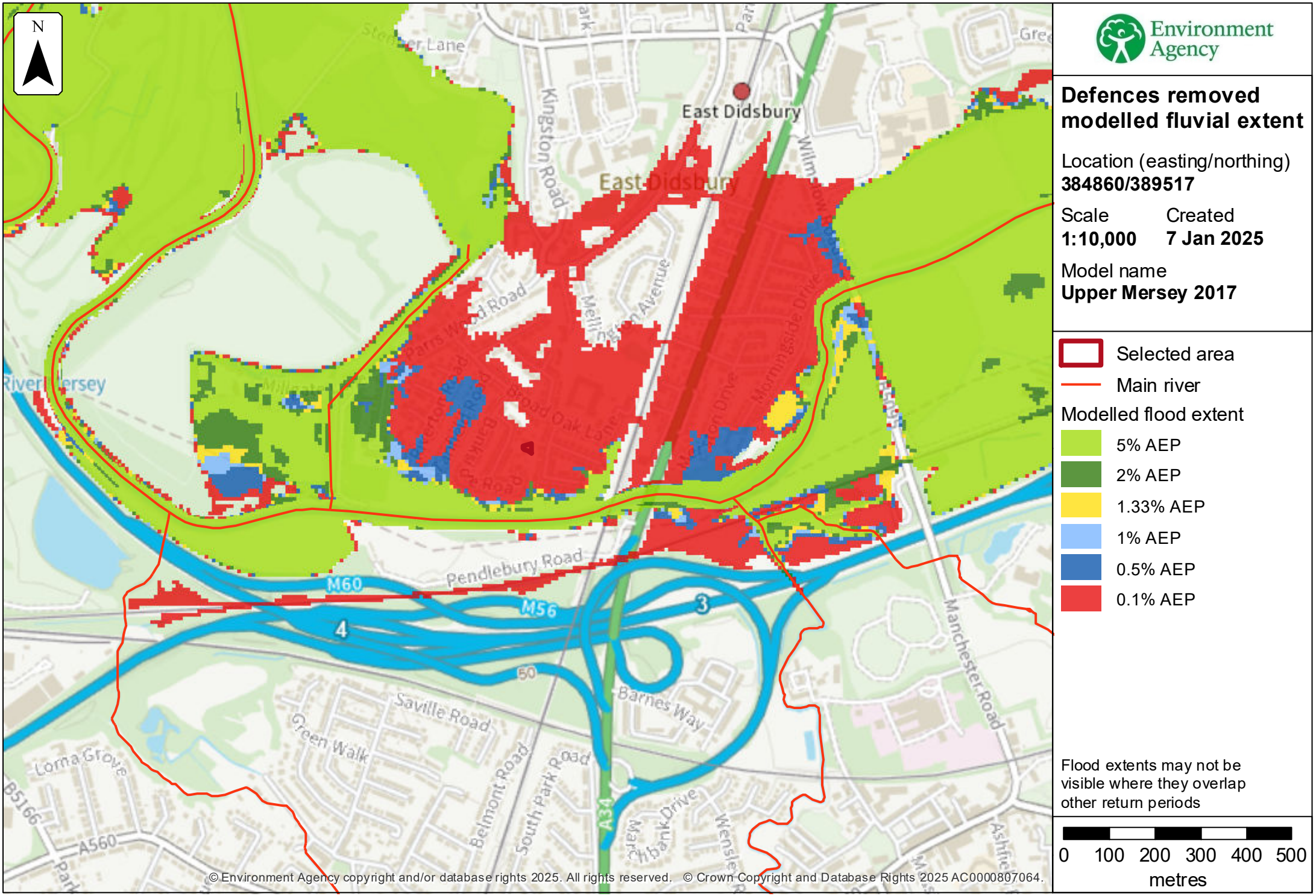

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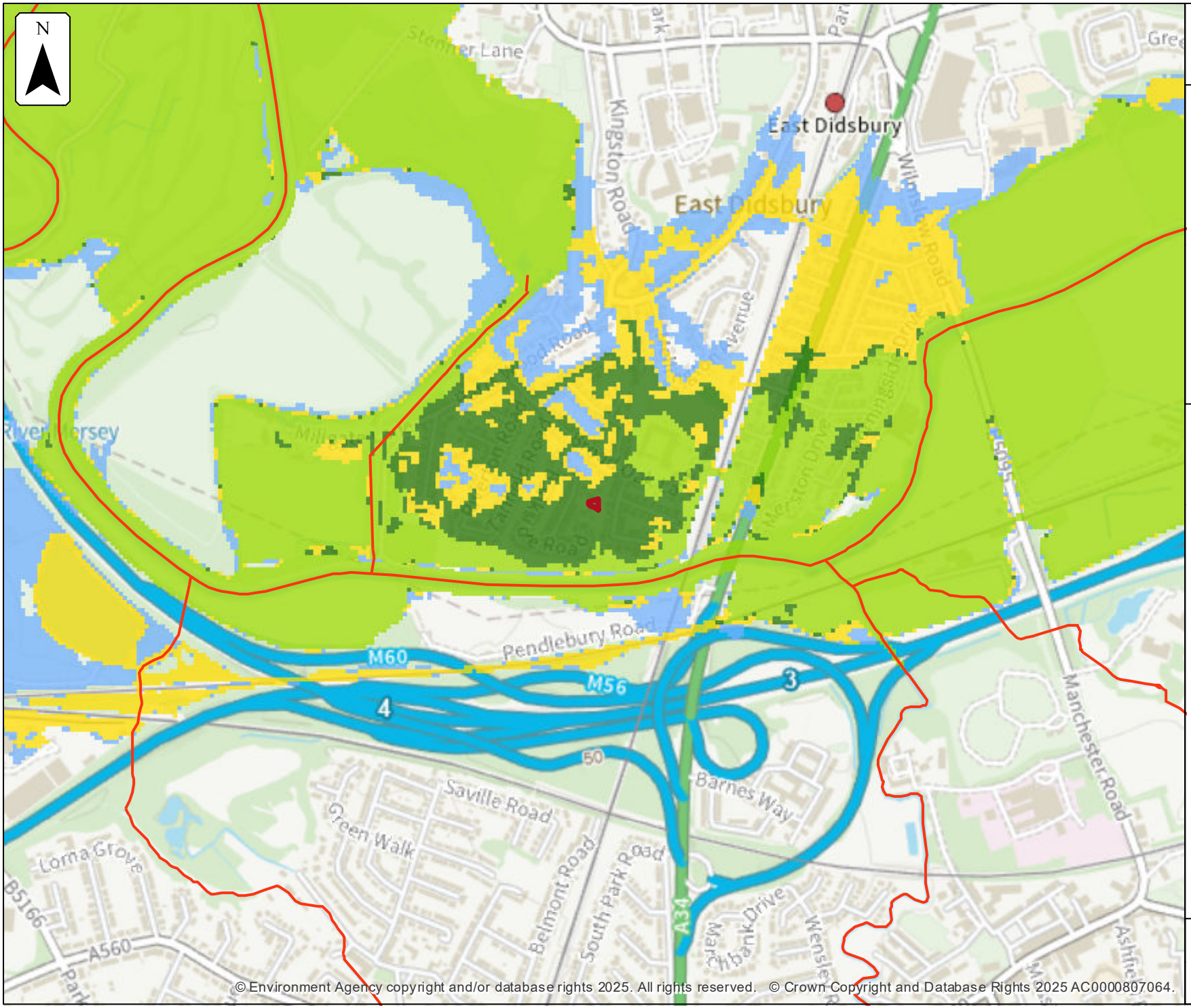
N
East Didsbury
Kingston Road
Pendlebury Road
M60
M56
A34
Barnes Way
Manchester Road
Saville Road
Belmont Road
South Park Road
Lorna Grove
A560
B5166
Environment Agency
Defended climate change modelled fluvial extent
Location (easting/northing)
384860/389517
Scale
1:10,000
Created
7 Jan 2025
Model name
Upper Mersey 2017
Selected area
Main river
Modelled flood extent
1.0% AEP (+30%)
1.0% AEP (+35%)
1.0% 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
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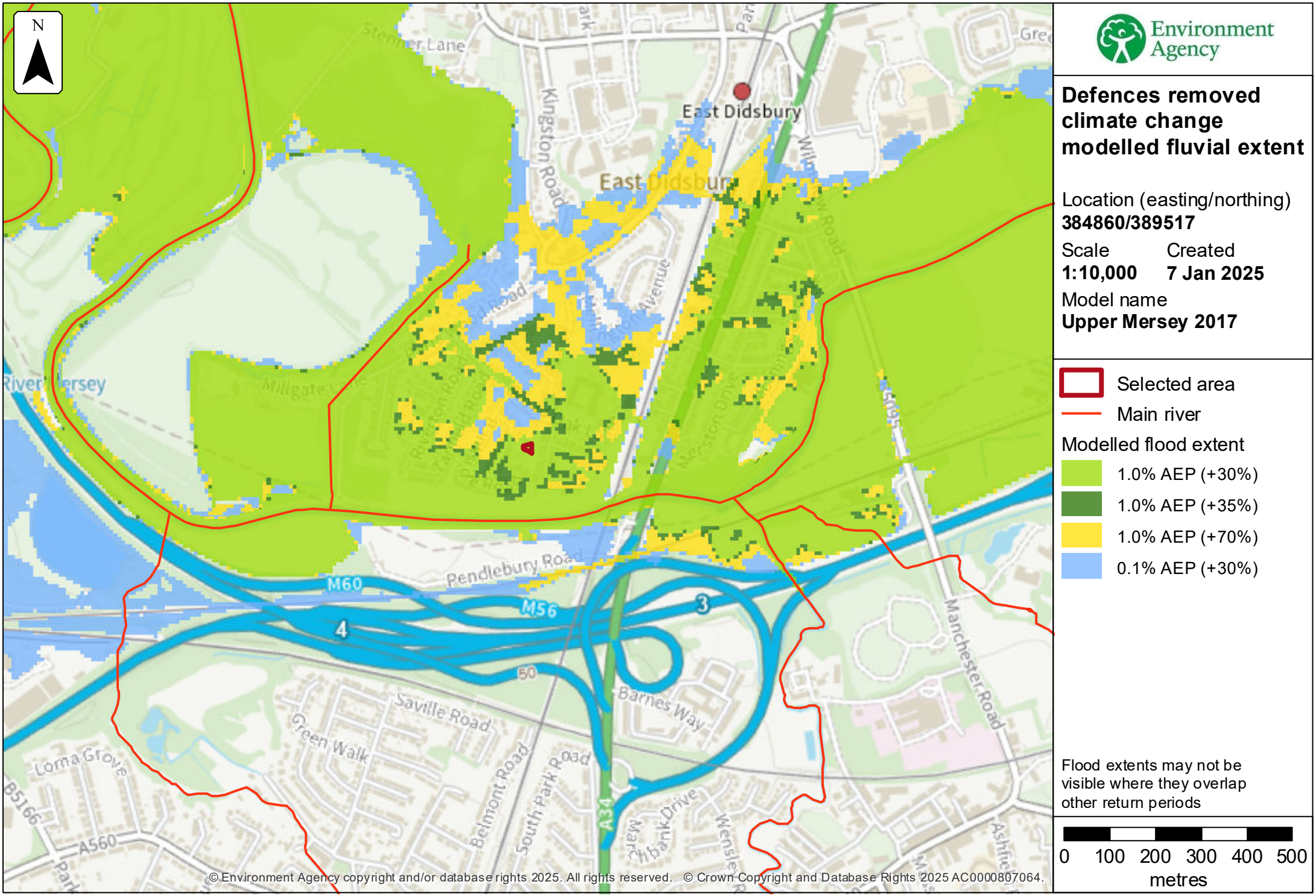
N
East Didsbury
Kingston Road
Stenner Lane
Millgate Avenue
Pendlebury Road
M60
M56
A34
Barnes Way
Manchester Road
Saville Road
Green Walk
Belmont Road
South Park Road
Lorna Grove
B5166
A560
Environment Agency
Defences removed climate change modelled fluvial extent
Location (easting/northing)
384860/389517
Scale
1:10,000
Created
7 Jan 2025
Model name
Upper Mersey 2017
Selected area
Main river
Modelled flood extent
1.0% AEP (+30%)
1.0% AEP (+35%)
1.0% 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
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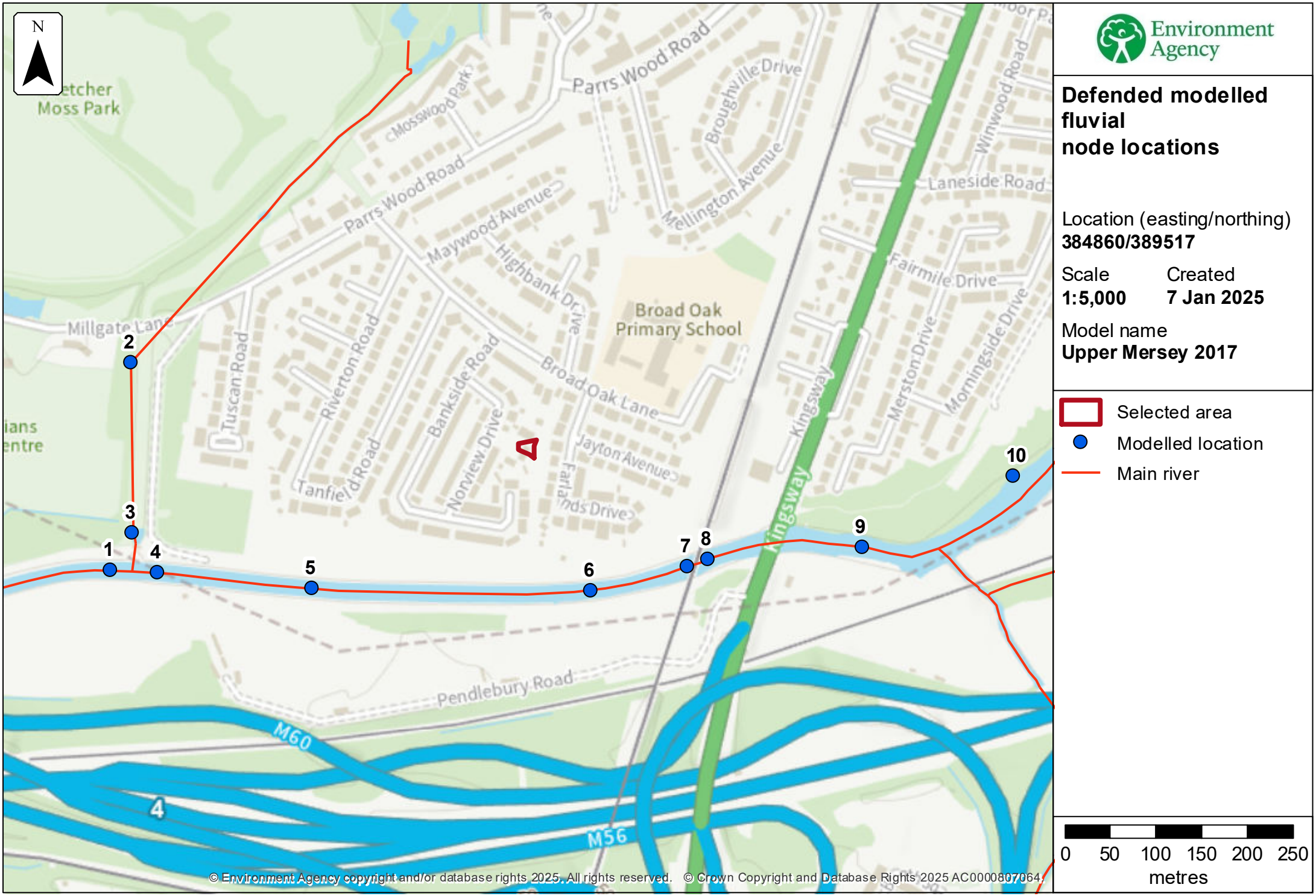
N
Environment Agency
Defended modelled fluvial node locations
Location (easting/northing)
384860/389517
Scale
1:5,000
Created
7 Jan 2025
Model name
Upper Mersey 2017
Selected area
Modelled location
Main river
1
2
3
4
5
6
7
8
9
10
Parrs Wood Road
Broughville Drive
Mellington Avenue
Maywood Avenue
Highbank Drive
Broad Oak Primary School
Broad Oak Lane
Millgate Lane
Tuscan Road
Riverton Road
Bankside Road
Norview Drive
Tanfield Road
Jayton Avenue
Farlands Drive
Kingsway
Merston Drive
Morningside Drive
Fairmile Drive
Laneside Road
Winwood Road
Pendlebury Road
M60
M56
0 50 100 150 200 250
metres
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Modelled node locations data

Defended

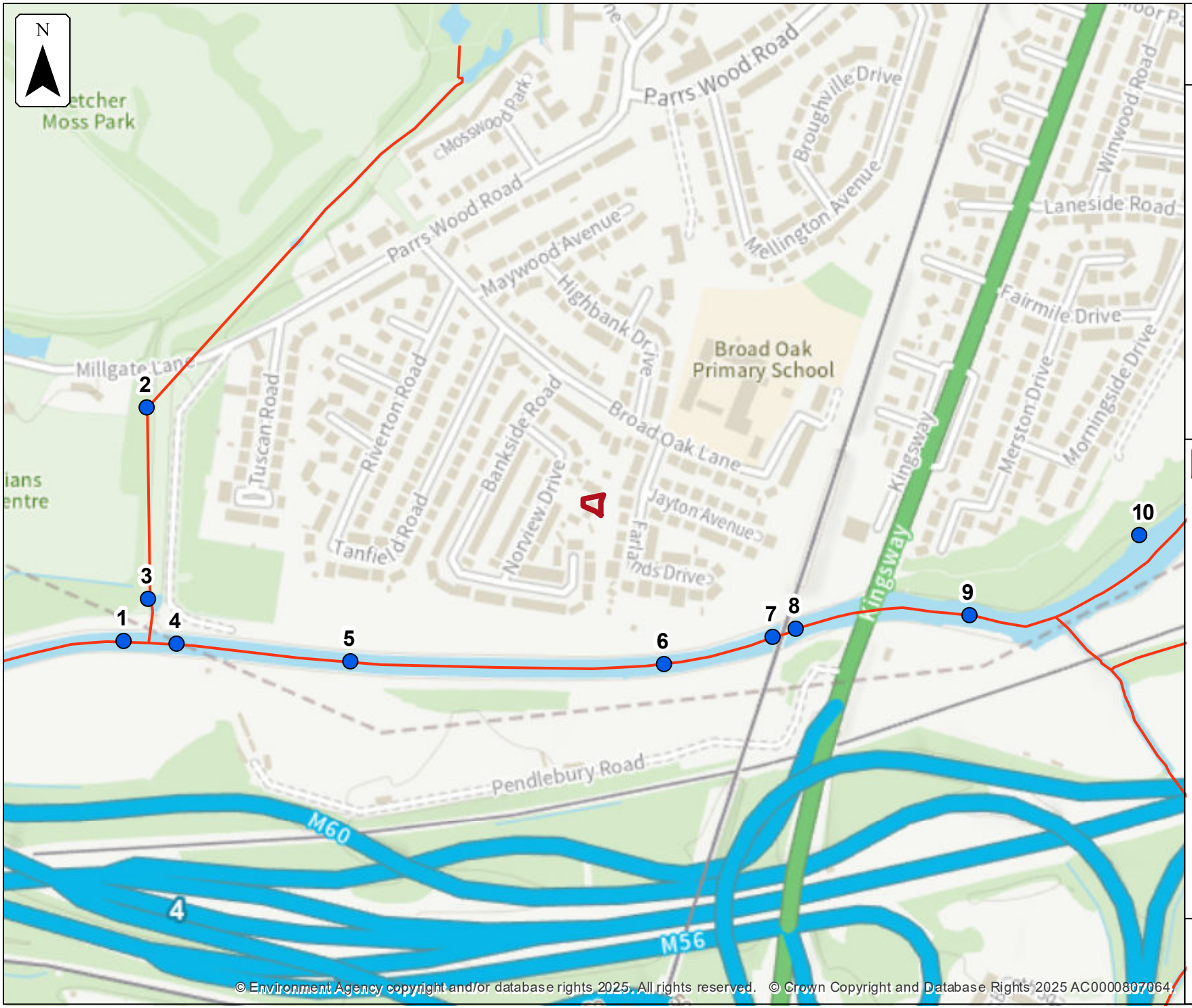
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290767	384402	389383	31.40	31.90	32.02	32.33	32.42	32.49	32.64	32.73	32.79	32.98	33.43
2	1290645	384425	389610	25.39	27.43	27.79	28.15	28.36	28.49	28.66	29.34	29.42	29.49	29.92
3	1290586	384427	389424	25.44	27.40	27.86	28.20	28.31	28.46	28.68	29.35	29.43	29.50	29.92
4	1290662	384454	389381	31.40	31.90	32.02	32.33	32.42	32.49	32.64	32.73	32.79	32.98	33.43
5	1290572	384624	389363	31.54	32.04	32.18	32.49	32.58	32.64	32.81	32.90	32.96	33.13	33.53
6	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
7	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
8	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
9	1290672	385227	389409	32.0	32.54	32.76	33.09	33.20	33.27	33.47	33.60	33.69	33.88	35.0
10	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

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.
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	1290767	384402	389383	183.87	235.41	246.73	283.71	295.39	305.21	333.27	351.61	367.25	408.39	576.64
2	1290645	384425	389610	0.50	1.90	1.93	1.96	1.98	2.45	11.05	16.04	12.12	12.20	12.90
3	1290586	384427	389424	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
4	1290662	384454	389381	183.87	243.06	271.72	310.98	323.25	333.48	362.53	381.46	397.44	423.22	576.64
5	1290572	384624	389363	183.80	243.42	271.50	309.74	322.76	333.79	362.47	382.56	397.46	422.90	611.61
6	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
7	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
8	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
9	1290672	385227	389409	183.72	242.20	271.75	310.73	323.35	333.66	362.57	380.95	395.39	416.47	521.75
10	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

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



Environment Agency

Defences removed modelled fluvial node locations

Location (easting/northing)
384860/389517

Scale
1:5,000

Created
7 Jan 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

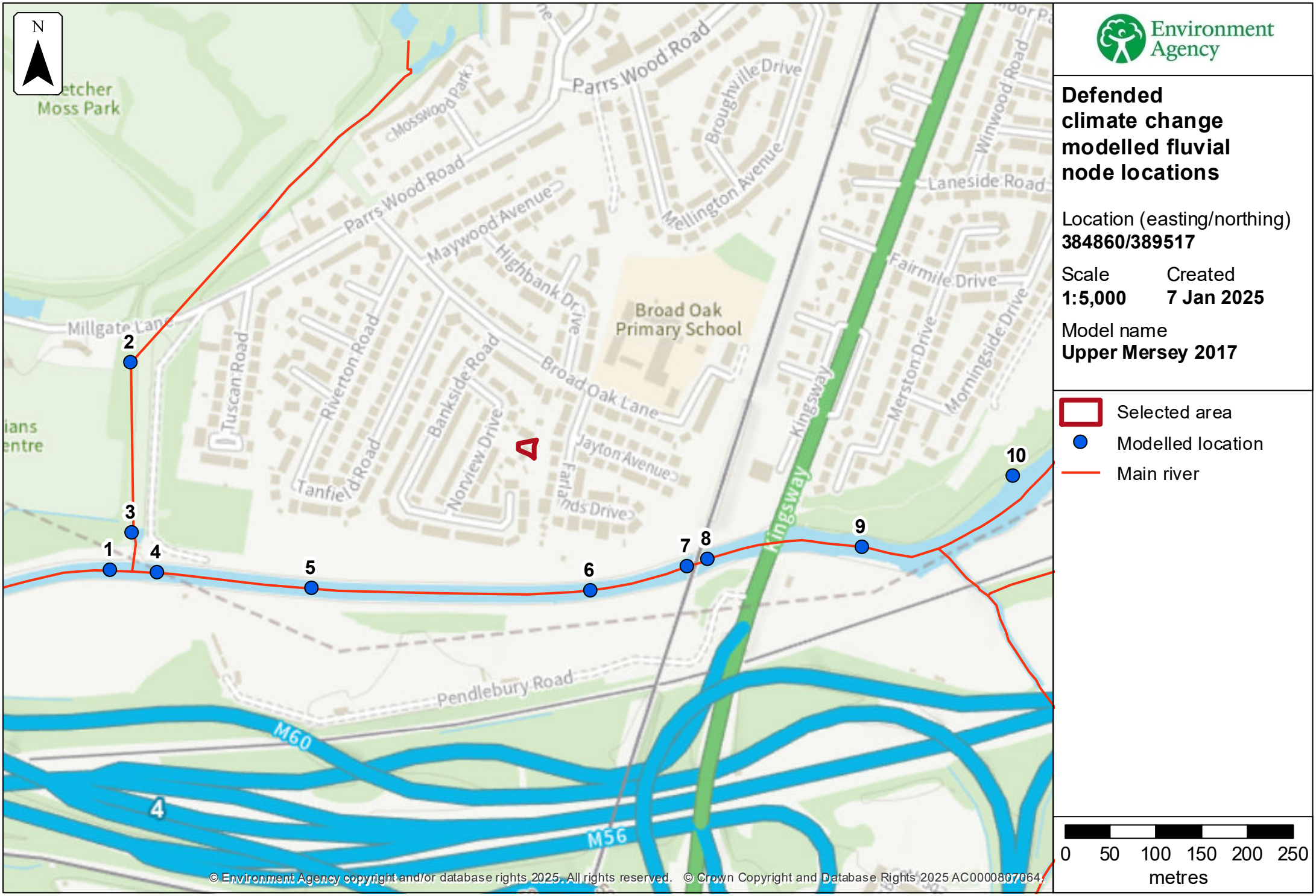
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290767	384402	389383	31.19	31.54	31.71	31.81	31.84	31.88	31.95	32.01	32.05	32.16	32.76
2	1290645	384425	389610	26.74	26.81	27.0	27.29	27.38	27.46	27.65	27.81	27.92	28.23	29.40
3	1290586	384427	389424	26.77	26.84	27.05	27.33	27.41	27.48	27.67	27.82	27.93	28.23	29.40
4	1290662	384454	389381	31.19	31.54	31.71	31.81	31.84	31.88	31.95	32.01	32.05	32.16	32.76
5	1290572	384624	389363	31.30	31.61	31.75	31.84	31.87	31.89	31.96	32.03	32.06	32.16	32.78
6	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
7	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
8	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
9	1290672	385227	389409	31.84	32.21	32.44	32.62	32.67	32.72	32.87	33.0	33.09	33.32	34.63
10	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

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

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	1290767	384402	389383	170.55	197.57	220.88	241.33	247.32	254.11	273.72	293.26	305.86	338.62	483.94
2	1290645	384425	389610	1.92	1.98	3.57	5.45	5.88	6.19	6.99	7.51	7.84	8.56	10.76
3	1290586	384427	389424	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
4	1290662	384454	389381	170.55	197.57	220.88	241.33	247.32	254.11	273.72	293.26	305.86	338.62	483.94
5	1290572	384624	389363	179.49	217.98	249.39	274.86	282.73	291.44	315.90	334.46	349.86	389.98	540.08
6	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
7	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
8	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
9	1290672	385227	389409	184.19	232.95	270.14	300.37	309.35	319.62	348.36	371.65	389.69	436.48	516.12
10	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

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


N
Environment Agency
Defended climate change modelled fluvial node locations
Location (easting/northing)
384860/389517
Scale
1:5,000
Created
7 Jan 2025
Model name
Upper Mersey 2017
Selected area
Modelled location
Main river
0 50 100 150 200 250
metres
Parrs Wood Road
Broughville Drive
Mellington Avenue
Maywood Avenue
Highbank Drive
Broad Oak Primary School
Broad Oak Lane
Millgate Lane
Tuscan Road
Riverton Road
Bankside Road
Norview Drive
Tanfield Road
Jayton Avenue
Farlands Drive
Kingsway
Merston Drive
Morningside Drive
Fairmile Drive
Laneside Road
Winwood Road
Pendlebury Road
M60
M56
1
2
3
4
5
6
7
8
9
10
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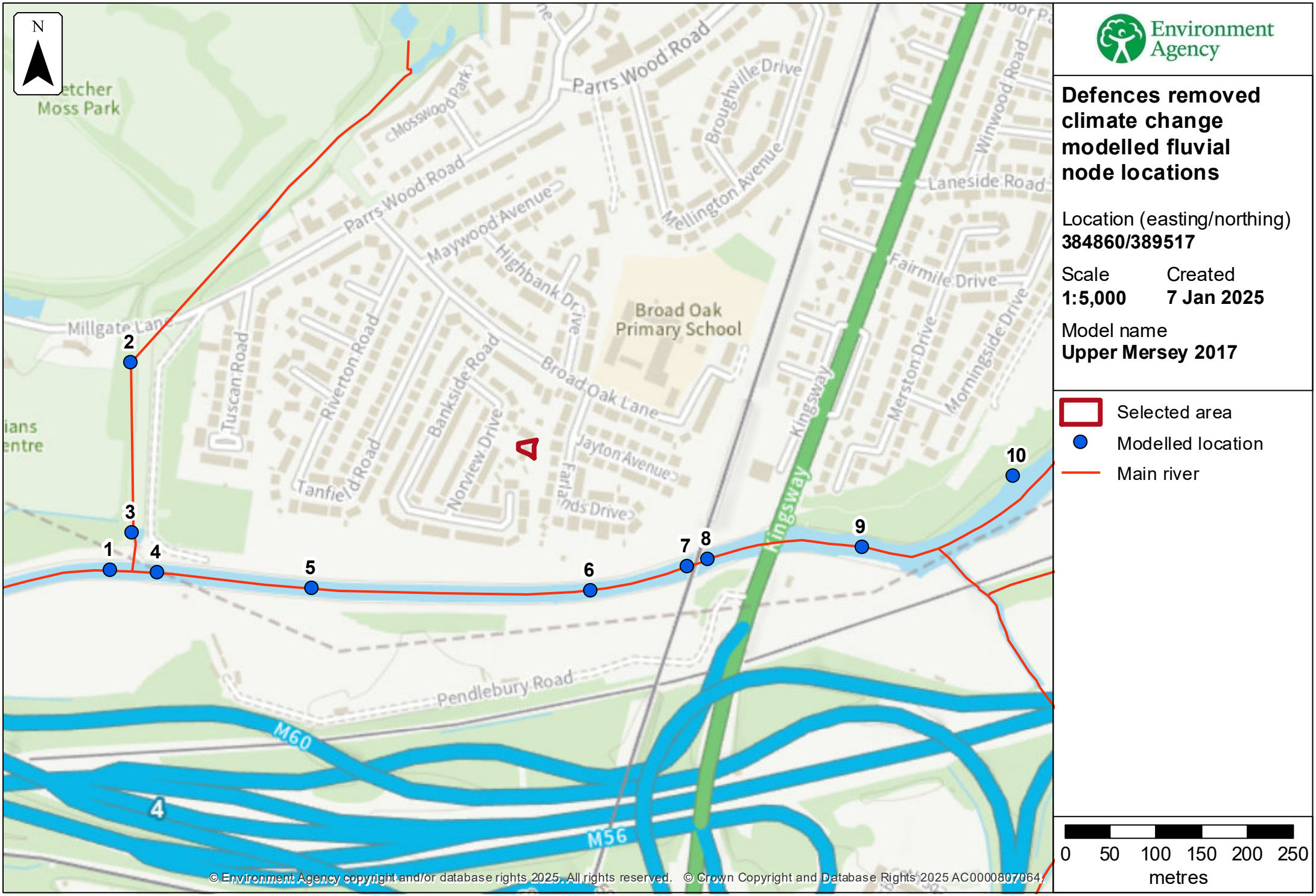
Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level	Flow	Flow	Flow	Flow
1	1290767	384402	389383	33.19	33.23	33.40	33.61	477.18	493.36	557.24	689.95
2	1290645	384425	389610	29.70	29.74	29.89	30.21	12.30	12.32	12.62	13.40
3	1290586	384427	389424	29.71	29.74	29.89	30.21	0.50	0.50	0.50	0.50
4	1290662	384454	389381	33.19	33.23	33.40	33.61	477.18	493.36	557.24	689.95
5	1290572	384624	389363	33.34	33.37	33.49	33.69	488.72	508.09	589.21	738.06
6	1290830	384929	389361	33.65	33.69	33.89	34.21	488.38	508.38	589.73	744.02
7	1290644	385035	389387	33.84	33.90	34.16	34.58	478.45	495.11	566.0	708.62
8	1290733	385057	389394	34.04	34.12	34.43	34.96	478.45	495.11	566.0	708.62
9	1290672	385227	389409	34.26	34.34	34.86	35.62	467.41	484.91	520.73	543.09
10	1290659	385392	389486	34.59	34.68	35.05	35.70	366.56	368.35	378.89	441.90

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


N
Environment Agency
Defences removed climate change modelled fluvial node locations
Location (easting/northing)
384860/389517
Scale
1:5,000
Created
7 Jan 2025
Model name
Upper Mersey 2017
Selected area
Modelled location
Main river
1
2
3
4
5
6
7
8
9
10
Parrs Wood Road
Broughville Drive
Mellington Avenue
Maywood Avenue
Highbank Drive
Broad Oak Primary School
Broad Oak Lane
Millgate Lane
Tuscan Road
Riverton Road
Bankside Road
Norview Drive
Tanfield Road
Jayton Avenue
Farlands Drive
Kingsway
Laneside Road
Winwood Road
Fairmile Drive
Merston Drive
Morningside Drive
Pendlebury Road
M60
M56
0 50 100 150 200 250
metres
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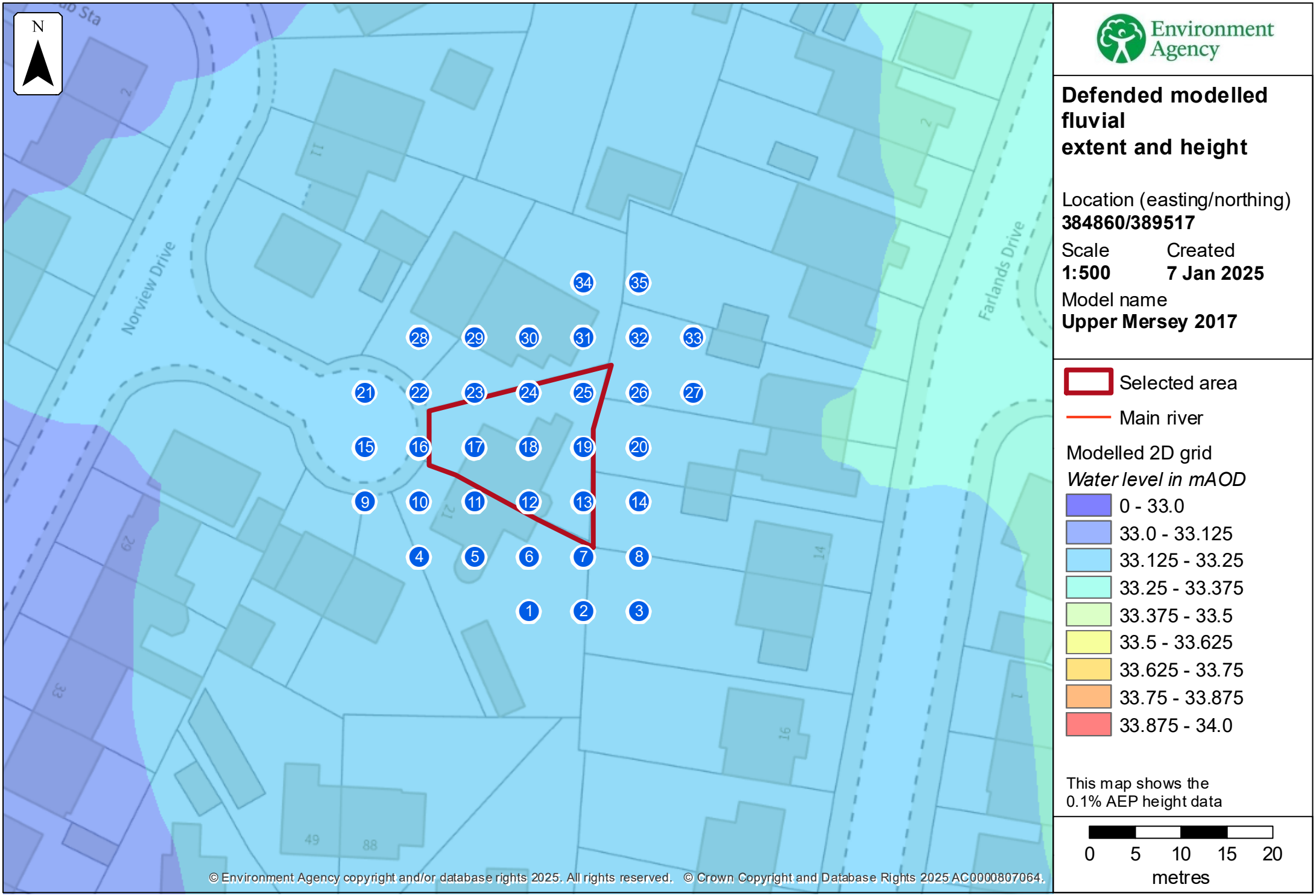
Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level	Flow	Flow	Flow	Flow
1	1290767	384402	389383	32.33	32.39	32.70	33.28	387.75	400.88	469.65	586.05
2	1290645	384425	389610	28.72	28.82	29.32	29.89	9.38	9.54	10.39	12.41
3	1290586	384427	389424	28.72	28.82	29.32	29.90	0.50	0.50	0.50	0.50
4	1290662	384454	389381	32.33	32.39	32.70	33.28	387.75	400.88	469.65	586.05
5	1290572	384624	389363	32.33	32.39	32.71	33.30	443.71	456.89	525.88	644.09
6	1290830	384929	389361	32.67	32.73	33.02	33.52	494.96	510.96	589.49	729.39
7	1290644	385035	389387	32.93	32.98	33.28	33.75	504.58	521.49	602.82	753.99
8	1290733	385057	389394	33.38	33.46	33.85	34.50	504.58	521.49	602.82	753.99
9	1290672	385227	389409	33.73	33.86	34.50	35.42	489.22	495.14	515.88	530.67
10	1290659	385392	389486	34.16	34.27	34.76	35.52	382.06	382.41	394.85	434.16

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



Environment Agency

Defended modelled fluvial extent and height

Location (easting/northing)
384860/389517

Scale
1:500

Created
7 Jan 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 33.0
- 33.0 - 33.125
- 33.125 - 33.25
- 33.25 - 33.375
- 33.375 - 33.5
- 33.5 - 33.625
- 33.625 - 33.75
- 33.75 - 33.875
- 33.875 - 34.0

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
			Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	384861	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.06
2	384867	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.28
3	384873	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.49
4	384849	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.61
5	384855	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.61
6	384861	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.78
7	384867	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.90
8	384873	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.50
9	384843	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.63
10	384849	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
11	384855	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.54
12	384861	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.62
13	384867	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.75
14	384873	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.48
15	384843	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.73
16	384849	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.58

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	384855	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
18	384861	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.60
19	384867	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.70
20	384873	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.46
21	384843	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.75
22	384849	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.63
23	384855	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.60
24	384861	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.60
25	384867	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.66
26	384873	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.48
27	384879	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.22
28	384849	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.61
29	384855	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.59
30	384861	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.59
31	384867	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.67
32	384873	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.42
33	384879	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.36
34	384867	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.66
35	384873	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.36

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
Max value in selected area:			Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	0.75

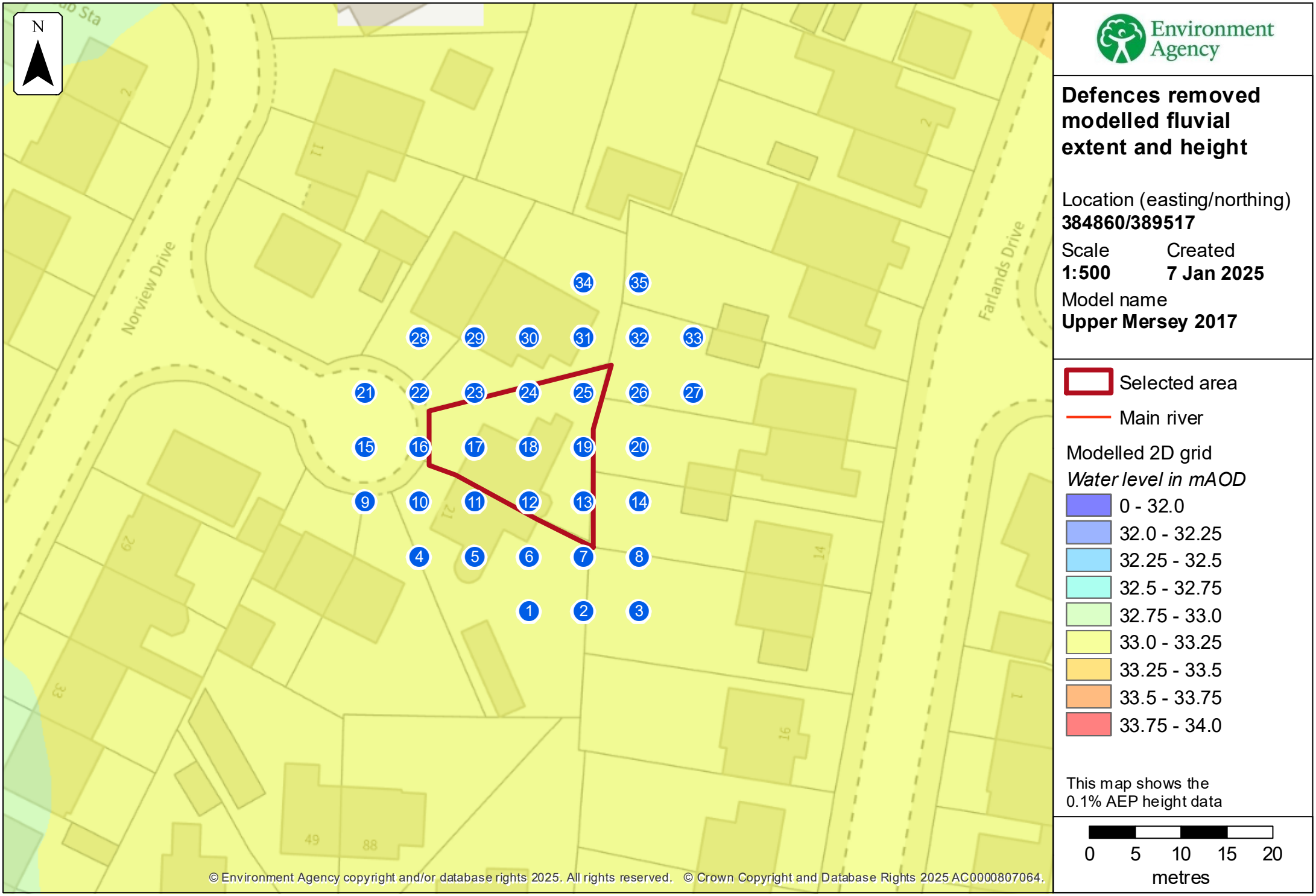
Data in this table comes from the Upper Mersey 2017 model.
Height values are shown in mAOD, and depth values are shown in metres.
Any blank cells show where a particular scenario has not been modelled for this location.
Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.
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.

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	384861	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
2	384867	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
3	384873	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
4	384849	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
5	384855	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.18
6	384861	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
7	384867	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
8	384873	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
9	384843	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
10	384849	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
11	384855	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
12	384861	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
13	384867	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
14	384873	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
15	384843	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
16	384849	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
17	384855	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
18	384861	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.18

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	384867	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
20	384873	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
21	384843	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
22	384849	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
23	384855	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
24	384861	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.18
25	384867	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
26	384873	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
27	384879	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
28	384849	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.16
29	384855	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.17
30	384861	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.19
31	384867	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
32	384873	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
33	384879	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
34	384867	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
35	384873	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.20
Max value in selected area:			Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	33.19

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.
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.



Environment Agency

Defences removed modelled fluvial extent and height

Location (easting/northing)
384860/389517

Scale
1:500

Created
7 Jan 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 32.0
- 32.0 - 32.25
- 32.25 - 32.5
- 32.5 - 32.75
- 32.75 - 33.0
- 33.0 - 33.25
- 33.25 - 33.5
- 33.5 - 33.75
- 33.75 - 34.0

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
			Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	384861	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.95
2	384867	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.17
3	384873	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.38
4	384849	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
5	384855	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
6	384861	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.67
7	384867	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.79
8	384873	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.39
9	384843	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.53
10	384849	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.45
11	384855	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.43
12	384861	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.51
13	384867	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.64
14	384873	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.37
15	384843	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.63
16	384849	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.47

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	384855	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.45
18	384861	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.49
19	384867	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.59
20	384873	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.35
21	384843	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.65
22	384849	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.53
23	384855	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
24	384861	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
25	384867	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
26	384873	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.37
27	384879	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.11
28	384849	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.50
29	384855	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.48
30	384861	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.48
31	384867	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.56
32	384873	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.31
33	384879	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.26
34	384867	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.55
35	384873	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	1.25

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
Max value in selected area:			Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	0.64

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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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

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	384861	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
2	384867	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
3	384873	389500	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
4	384849	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
5	384855	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.07
6	384861	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
7	384867	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
8	384873	389506	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
9	384843	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
10	384849	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
11	384855	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
12	384861	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
13	384867	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
14	384873	389512	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
15	384843	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
16	384849	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
17	384855	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
18	384861	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08

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	384867	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
20	384873	389518	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
21	384843	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
22	384849	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
23	384855	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
24	384861	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
25	384867	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
26	384873	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
27	384879	389524	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
28	384849	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
29	384855	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.06
30	384861	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.08
31	384867	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
32	384873	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
33	384879	389530	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
34	384867	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
35	384873	389536	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	33.09
Max value in selected area:			Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	Could not determine	33.08

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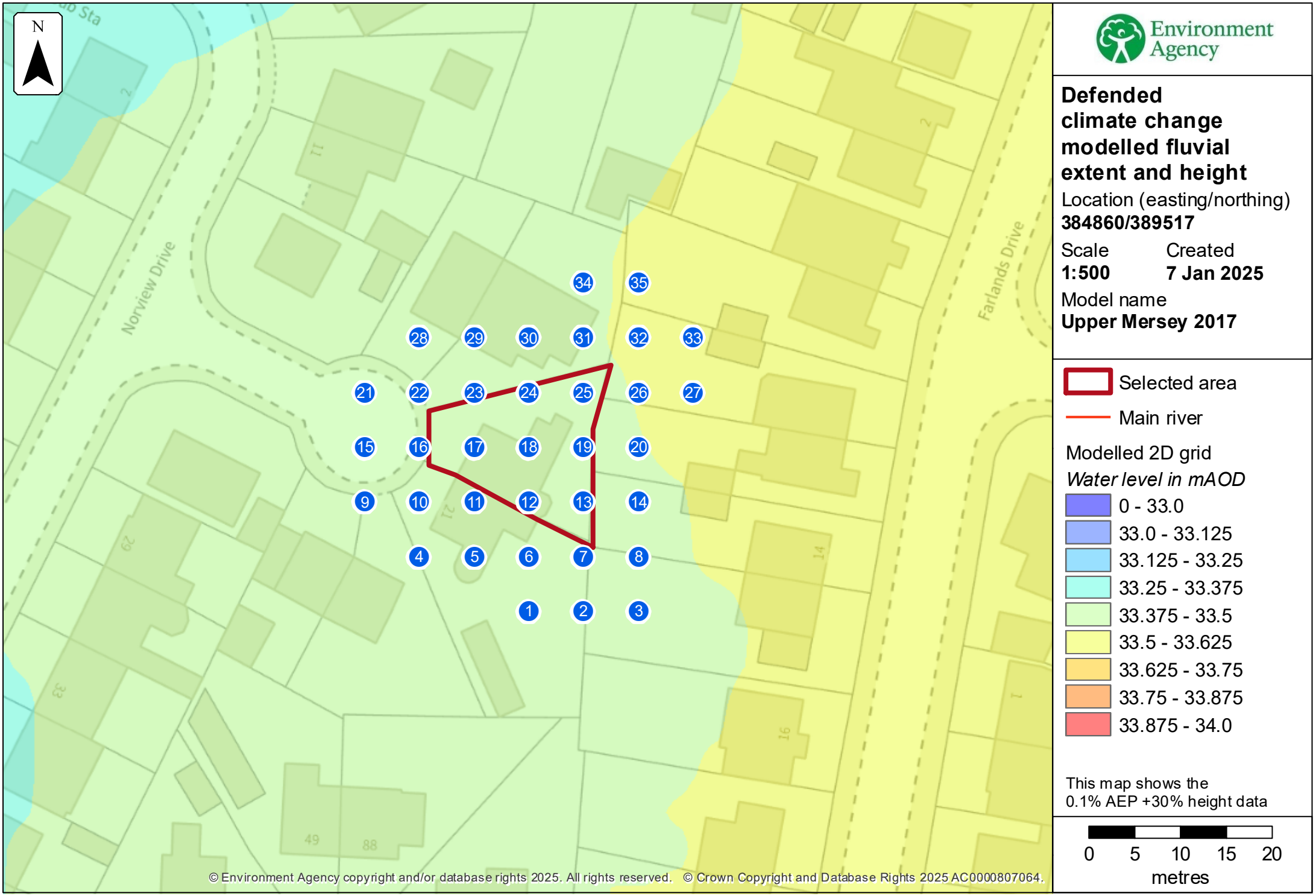
If no height or depth data is available for a scenario, no table will be shown.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Environment Agency

Defended climate change modelled fluvial extent and height

Location (easting/northing)
384860/389517

Scale
1:500

Created
7 Jan 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 33.0
- 33.0 - 33.125
- 33.125 - 33.25
- 33.25 - 33.375
- 33.375 - 33.5
- 33.5 - 33.625
- 33.625 - 33.75
- 33.75 - 33.875
- 33.875 - 34.0

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%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth	Height	Height	Height	Height
1	384861	389500	NoData	0.74	1.02	1.37	NoData	32.87	33.15	33.49
2	384867	389500	NoData	0.95	1.24	1.58	NoData	32.87	33.15	33.50
3	384873	389500	NoData	1.16	1.44	1.79	NoData	32.87	33.15	33.50
4	384849	389506	NoData	0.30	0.57	0.91	NoData	32.86	33.13	33.47
5	384855	389506	NoData	0.29	0.56	0.91	NoData	32.86	33.13	33.47
6	384861	389506	NoData	0.46	0.74	1.08	NoData	32.87	33.14	33.49
7	384867	389506	NoData	0.57	0.85	1.20	NoData	32.87	33.15	33.50
8	384873	389506	NoData	1.17	1.45	1.80	NoData	32.87	33.15	33.50
9	384843	389512	NoData	0.33	0.59	0.92	NoData	32.86	33.12	33.45
10	384849	389512	NoData	0.25	0.52	0.85	NoData	32.86	33.13	33.46
11	384855	389512	NoData	0.23	0.50	0.84	NoData	32.86	33.13	33.47
12	384861	389512	NoData	0.30	0.57	0.92	NoData	32.87	33.15	33.49
13	384867	389512	NoData	0.43	0.70	1.05	NoData	32.87	33.15	33.49
14	384873	389512	NoData	1.16	1.44	1.79	NoData	32.87	33.15	33.50
15	384843	389518	NoData	0.43	0.69	1.02	NoData	32.86	33.12	33.45
16	384849	389518	NoData	0.27	0.54	0.87	NoData	32.86	33.12	33.45

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	384855	389518	NoData	0.25	0.51	0.85	NoData	32.86	33.13	33.46
18	384861	389518	NoData	0.28	0.56	0.90	NoData	32.87	33.14	33.48
19	384867	389518	NoData	0.37	0.65	1.00	NoData	32.87	33.15	33.49
20	384873	389518	NoData	1.13	1.42	1.76	NoData	32.87	33.15	33.50
21	384843	389524	NoData	0.45	0.71	1.04	NoData	32.86	33.12	33.44
22	384849	389524	NoData	0.33	0.59	0.92	NoData	32.86	33.12	33.45
23	384855	389524	NoData	0.29	0.56	0.89	NoData	32.86	33.12	33.46
24	384861	389524	NoData	0.28	0.56	0.90	NoData	32.87	33.14	33.48
25	384867	389524	NoData	0.34	0.62	0.96	NoData	32.87	33.15	33.49
26	384873	389524	NoData	1.15	1.43	1.78	NoData	32.87	33.15	33.50
27	384879	389524	NoData	0.89	1.18	1.52	NoData	32.87	33.15	33.50
28	384849	389530	NoData	0.30	0.56	0.89	NoData	32.86	33.12	33.45
29	384855	389530	NoData	0.28	0.54	0.87	NoData	32.86	33.12	33.45
30	384861	389530	NoData	0.27	0.54	0.88	NoData	32.87	33.14	33.48
31	384867	389530	NoData	0.34	0.62	0.97	NoData	32.87	33.15	33.49
32	384873	389530	NoData	1.08	1.37	1.72	NoData	32.87	33.16	33.50
33	384879	389530	NoData	1.03	1.32	1.67	NoData	32.87	33.16	33.50
34	384867	389536	NoData	0.33	0.61	0.95	NoData	32.87	33.15	33.49

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
35	384873	389536	NoData	1.03	1.32	1.66	NoData	32.87	33.16	33.50
Max value in selected area:			Could not determine	0.43	0.70	1.05	Could not determine	32.87	33.15	33.49

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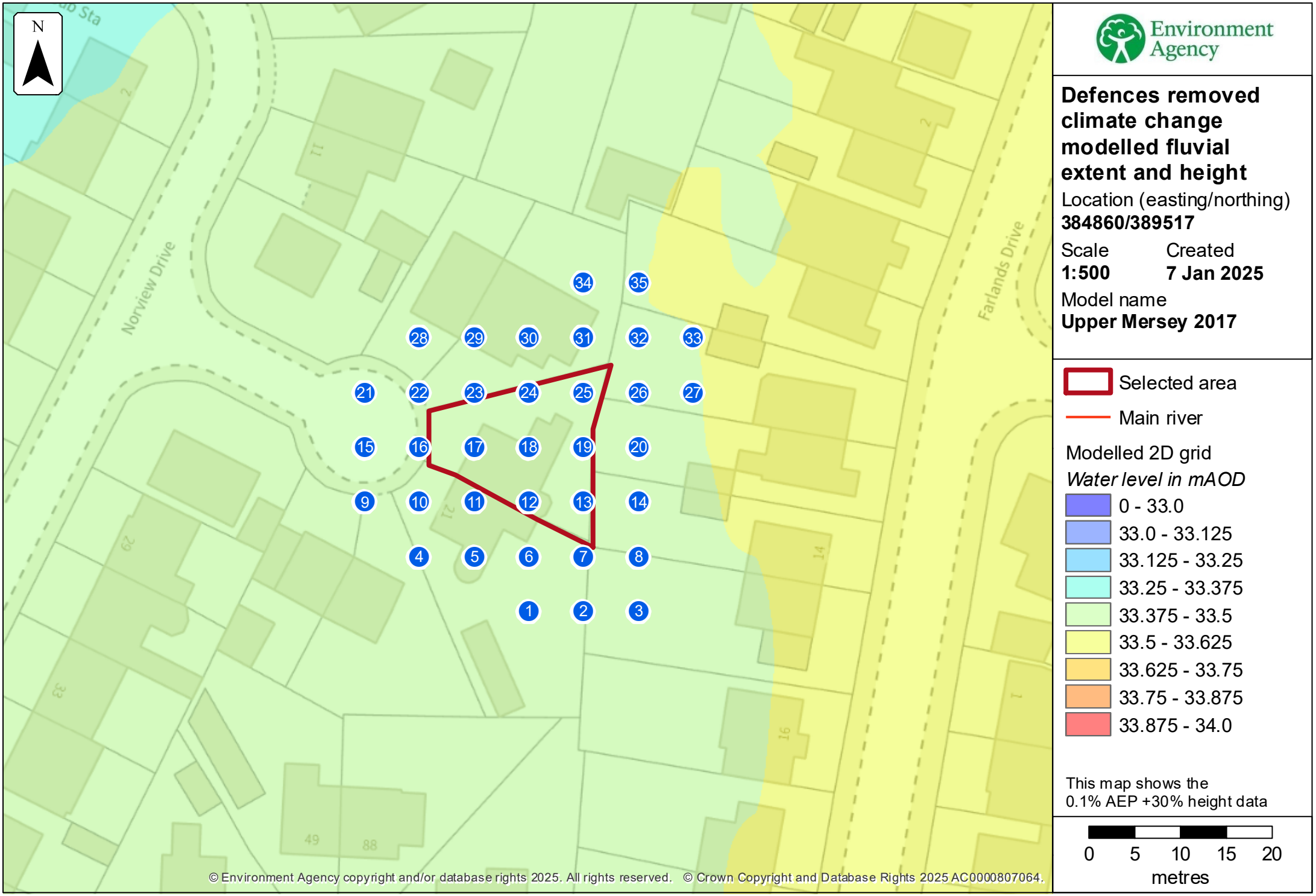

Environment Agency

Defences removed climate change modelled fluvial extent and height

Location (easting/northing)
384860/389517

Scale
1:500

Created
7 Jan 2025

Model name
Upper Mersey 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 33.0
- 33.0 - 33.125
- 33.125 - 33.25
- 33.25 - 33.375
- 33.375 - 33.5
- 33.5 - 33.625
- 33.625 - 33.75
- 33.75 - 33.875
- 33.875 - 34.0

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%)	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
			Depth	Depth	Depth	Depth	Height	Height	Height	Height
1	384861	389500	0.52	0.63	0.89	1.36	32.65	32.76	33.02	33.49
2	384867	389500	0.74	0.85	1.11	1.58	32.65	32.76	33.02	33.49
3	384873	389500	0.95	1.06	1.32	1.79	32.65	32.76	33.02	33.49
4	384849	389506	0.09	0.19	0.44	0.91	32.65	32.75	33.01	33.47
5	384855	389506	0.08	0.19	0.44	0.90	32.65	32.76	33.01	33.47
6	384861	389506	0.24	0.35	0.61	1.08	32.65	32.76	33.02	33.49
7	384867	389506	0.36	0.47	0.73	1.20	32.65	32.76	33.02	33.49
8	384873	389506	0.95	1.06	1.32	1.79	32.65	32.76	33.02	33.49
9	384843	389512	0.12	0.22	0.47	0.93	32.65	32.75	33.00	33.46
10	384849	389512	NoData	0.14	0.39	0.86	NoData	32.75	33.00	33.47
11	384855	389512	NoData	0.13	0.38	0.84	NoData	32.75	33.00	33.47
12	384861	389512	0.08	0.19	0.45	0.92	32.65	32.76	33.02	33.49
13	384867	389512	0.21	0.32	0.58	1.05	32.65	32.76	33.02	33.49
14	384873	389512	0.94	1.05	1.31	1.78	32.65	32.76	33.02	33.49
15	384843	389518	0.22	0.32	0.57	1.02	32.65	32.75	33.00	33.45
16	384849	389518	0.06	0.17	0.41	0.87	32.65	32.75	33.00	33.46

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	384855	389518	0.04	0.14	0.39	0.85	32.65	32.75	33.00	33.46
18	384861	389518	0.07	0.18	0.43	0.90	32.65	32.76	33.02	33.48
19	384867	389518	0.15	0.26	0.53	0.99	32.65	32.76	33.02	33.49
20	384873	389518	0.92	1.02	1.29	1.76	32.65	32.76	33.03	33.49
21	384843	389524	0.24	0.34	0.59	1.04	32.65	32.75	33.00	33.45
22	384849	389524	0.12	0.22	0.47	0.93	32.65	32.75	33	33.46
23	384855	389524	0.09	0.19	0.44	0.90	32.65	32.75	33.00	33.46
24	384861	389524	0.07	0.18	0.43	0.90	32.65	32.76	33.02	33.48
25	384867	389524	0.12	0.23	0.49	0.96	32.65	32.76	33.02	33.49
26	384873	389524	0.93	1.04	1.30	1.77	32.65	32.76	33.03	33.50
27	384879	389524	0.68	0.78	1.05	1.52	32.66	32.76	33.03	33.50
28	384849	389530	0.09	0.20	0.44	0.90	32.65	32.75	33.00	33.45
29	384855	389530	0.07	0.17	0.42	0.88	32.65	32.75	33.00	33.46
30	384861	389530	0.05	0.16	0.42	0.88	32.65	32.76	33.02	33.48
31	384867	389530	0.13	0.24	0.50	0.96	32.65	32.76	33.02	33.49
32	384873	389530	0.86	0.98	1.24	1.71	32.65	32.76	33.03	33.50
33	384879	389530	0.82	0.93	1.19	1.66	32.65	32.76	33.03	33.50
34	384867	389536	0.11	0.22	0.49	0.95	32.65	32.76	33.03	33.49

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
35	384873	389536	0.81	0.92	1.19	1.66	32.65	32.76	33.03	33.50
Max value in selected area:			0.21	0.32	0.58	1.05	32.65	32.76	33.02	33.49

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

Strategic flood risk assessments

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

This should give you information about:

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

Your Lead Local Flood Authority is 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