Flood risk assessment data

Location of site: 381396/393303 (shown as easting and northing coordinates)
Document created on: 19 October 2026
This information was previously known as a product 4.
Customer reference number: G7CFTYUUEMFT

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 other sources of flooding
- information on the models used
- definitions for the terminology used throughout
- flood map for planning (rivers and the sea)
- flood defence locations and attributes
- information to help you assess if there is a reduced flood risk from rivers and
- the sea because of defences
  modelled data
- modelled climate change data
- information about strategic flood risk assessments
- information about this data
- information about flood risk activity permits
- help and advice

Information that's unavailable

This document **does not** contain:

- Past floods and rivers and sea flood risk depth band datasets

We are not currently able to display rivers and sea flood risk depth band datasets for this location.

Other sources of flooding

To find out about other factors that might affect the flood risk of this location, you should 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 strategic flood risk assessment (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: Chorlton Platt Gore 2024
Scenario(s): Defended fluvial, defences removed fluvial, defended climate change fluvial, defences removed climate change fluvial
Date: 15 April 2024

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:

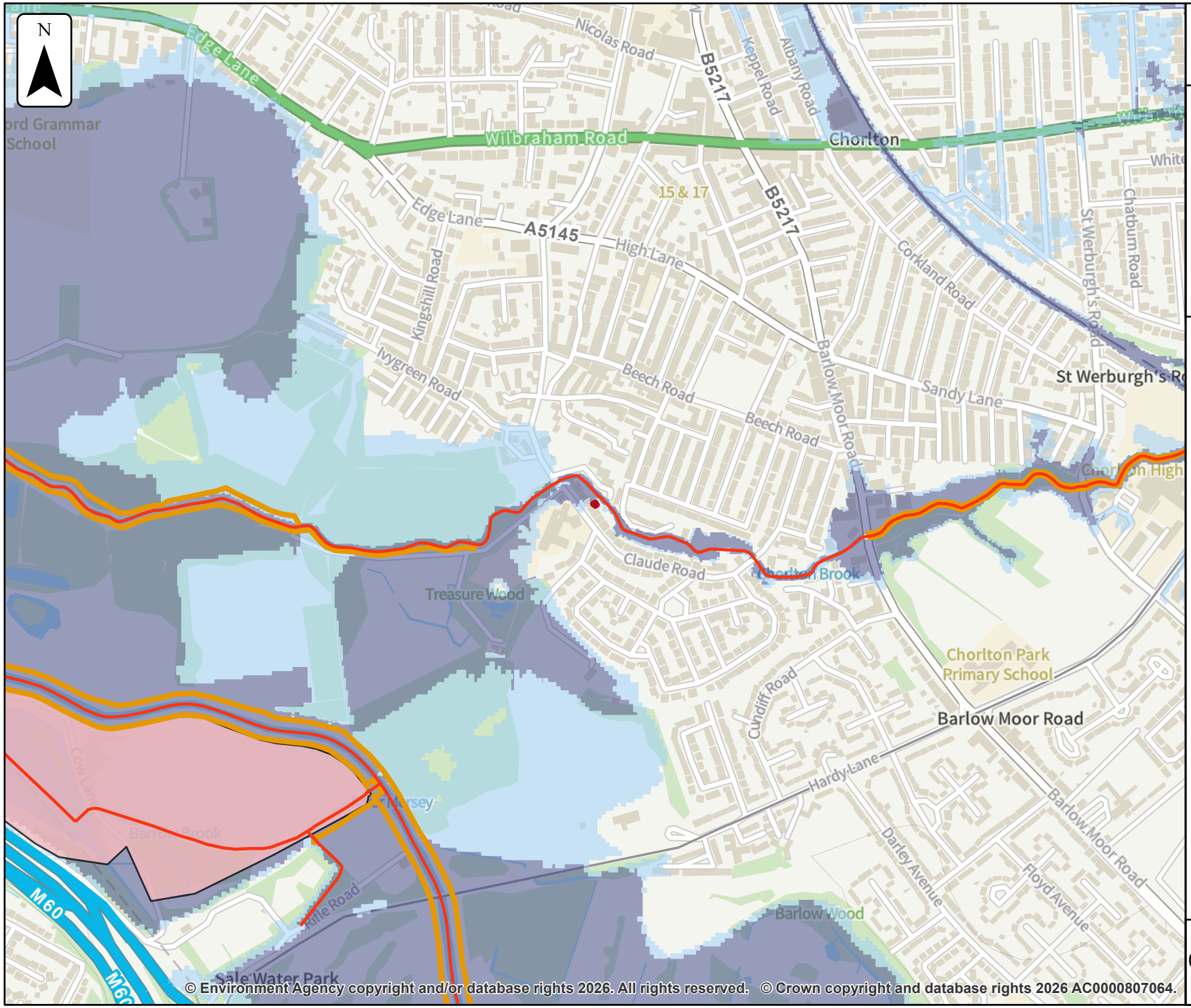
- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

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)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

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

0 100 200 300 400 500
metres

Flood defences and attributes

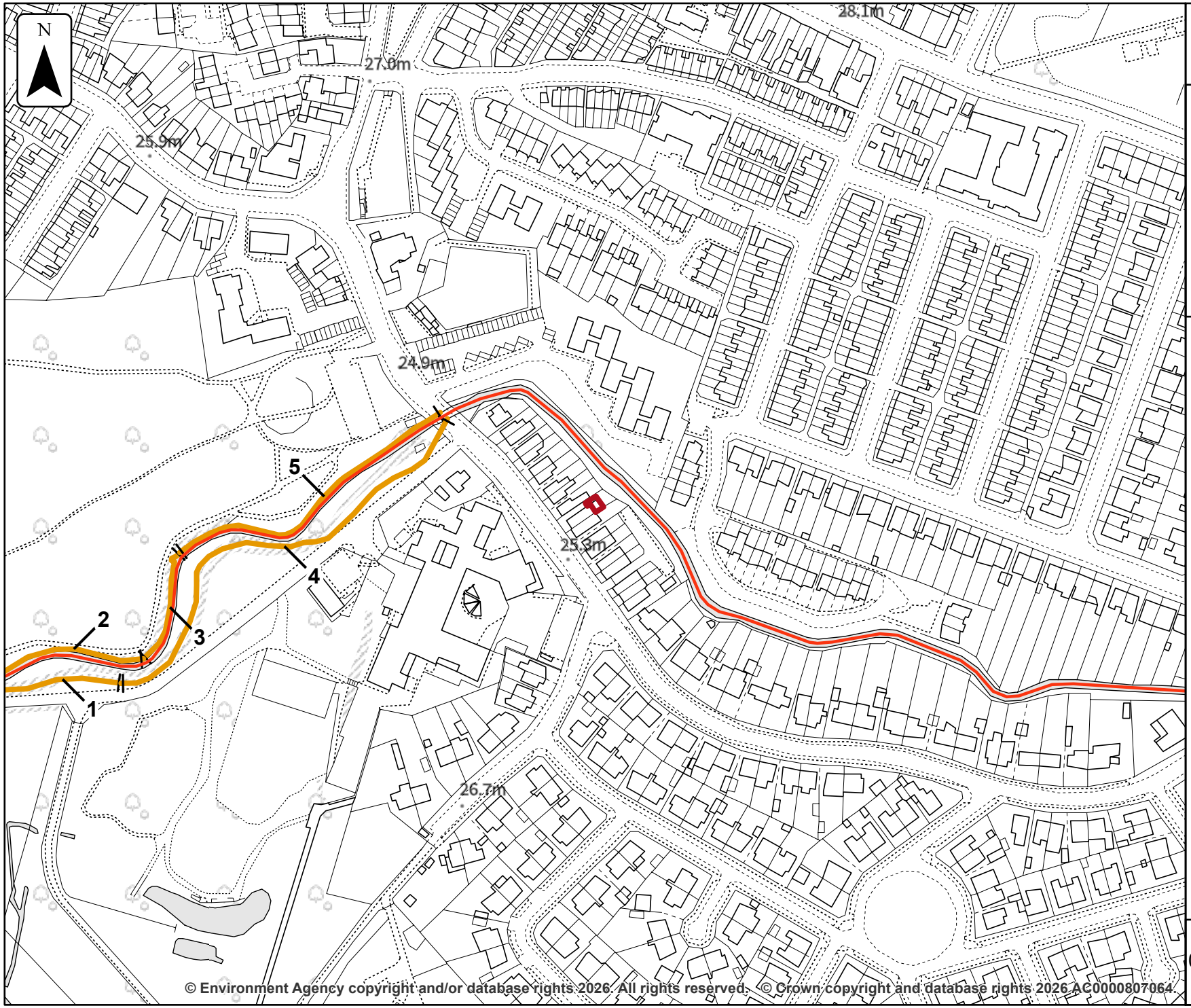
The flood defences map shows the location of the flood defences present.

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



Environment Agency

Flood defences

Location (easting/northing)
381396/393303

Scale
1:2,500

Created
19 Oct 2026

- Selected area
- Main river
- Flood defence

0 25 50 75 100 125
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	120857	Embankment	50	Fair	23.94	24.08	
2	120860	Engineered High Ground	5		22.38	21.93	
3	120654	Engineered High Ground	5		21.74	21.72	
4	125813	Embankment			24.08	25.91	
5	120655	Engineered High Ground	50	Fair	23.35	21.72	

Any blank cells show where a particular value has not been recorded for an asset.

Modelled data

This section provides details of different scenarios we have modelled and includes the following (where available):

- outline maps showing the area at risk from flooding in different modelled scenarios
- modelled node point map(s) showing the points used to get the data to model the scenarios and table(s) providing details of the flood risk for different return periods
- map(s) showing the approximate water levels for the return period with the largest flood extent for a scenario and table(s) of sample points providing details of the flood risk for different return periods

Climate change

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

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

Modelled scenarios

The following scenarios are included:

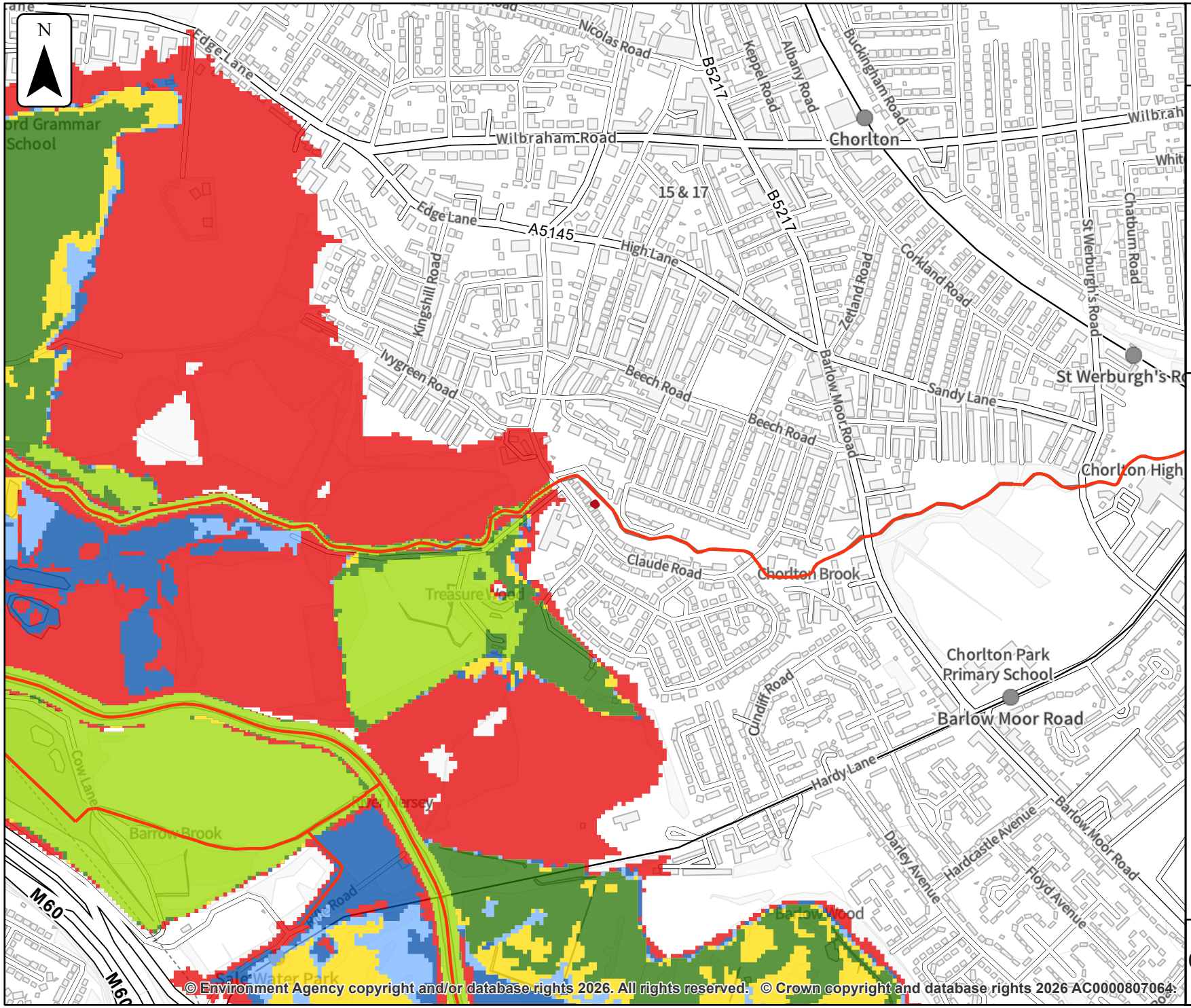
- Defended modelled fluvial: risk of flooding from rivers where there are flood defences
- Defences removed modelled fluvial: risk of flooding from rivers where flood defences have been removed
- Defended climate change modelled fluvial: risk of flooding from rivers where there are flood defences, including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

No data available

We do not have any height or depth data at this location for the following models:

Model name: Chorlton Platt Gore 2024
Scenario(s): Defended modelled fluvial, Defences removed modelled fluvial, Defended climate change modelled fluvial, Defences removed climate change modelled fluvial

Model name: Upper Mersey 2017
Scenario(s): Defended modelled fluvial, Defences removed modelled fluvial, Defended climate change modelled fluvial, Defences removed climate change modelled fluvial



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Defended modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

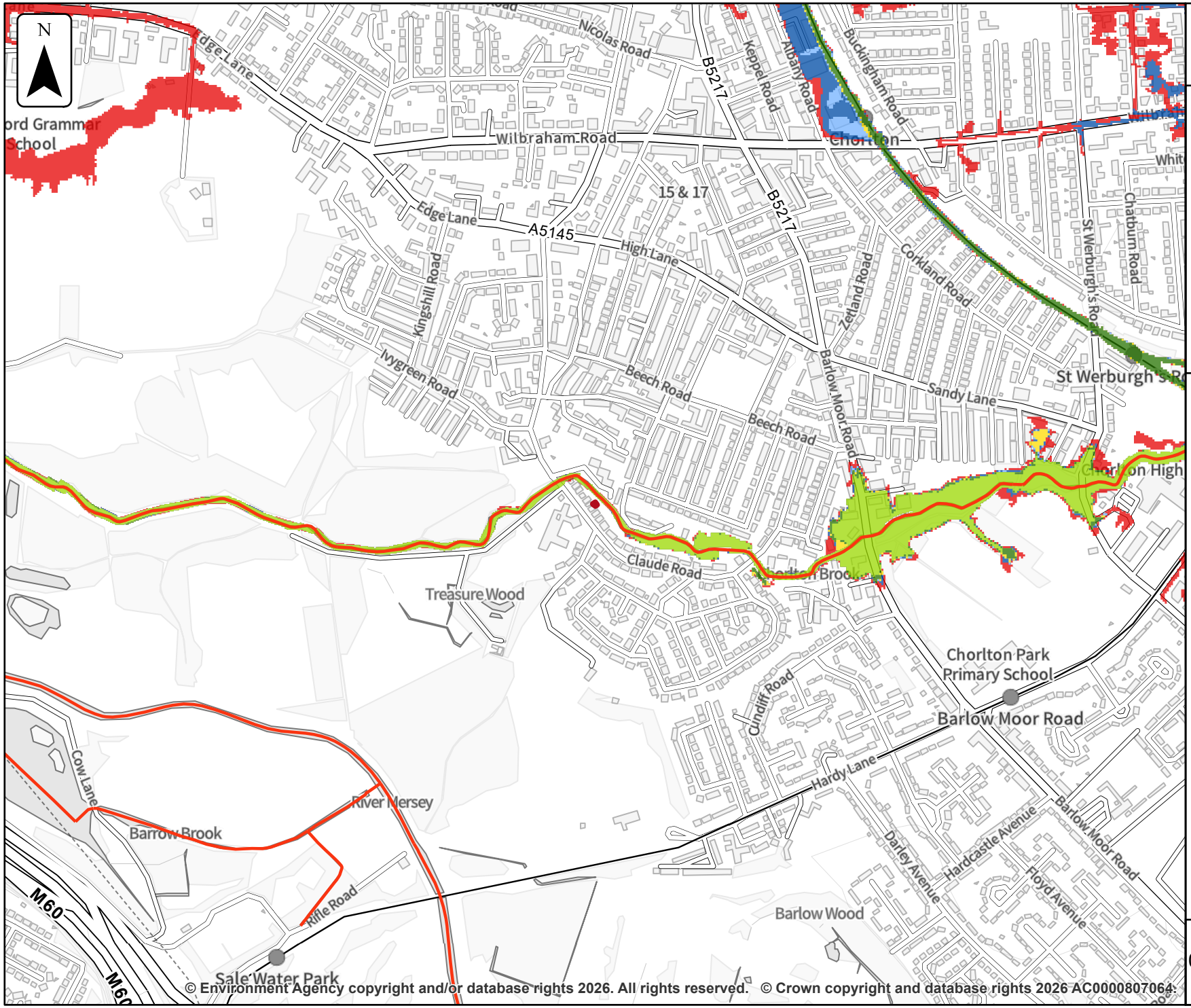
- Selected area
- Main river

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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Environment Agency

Defended modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

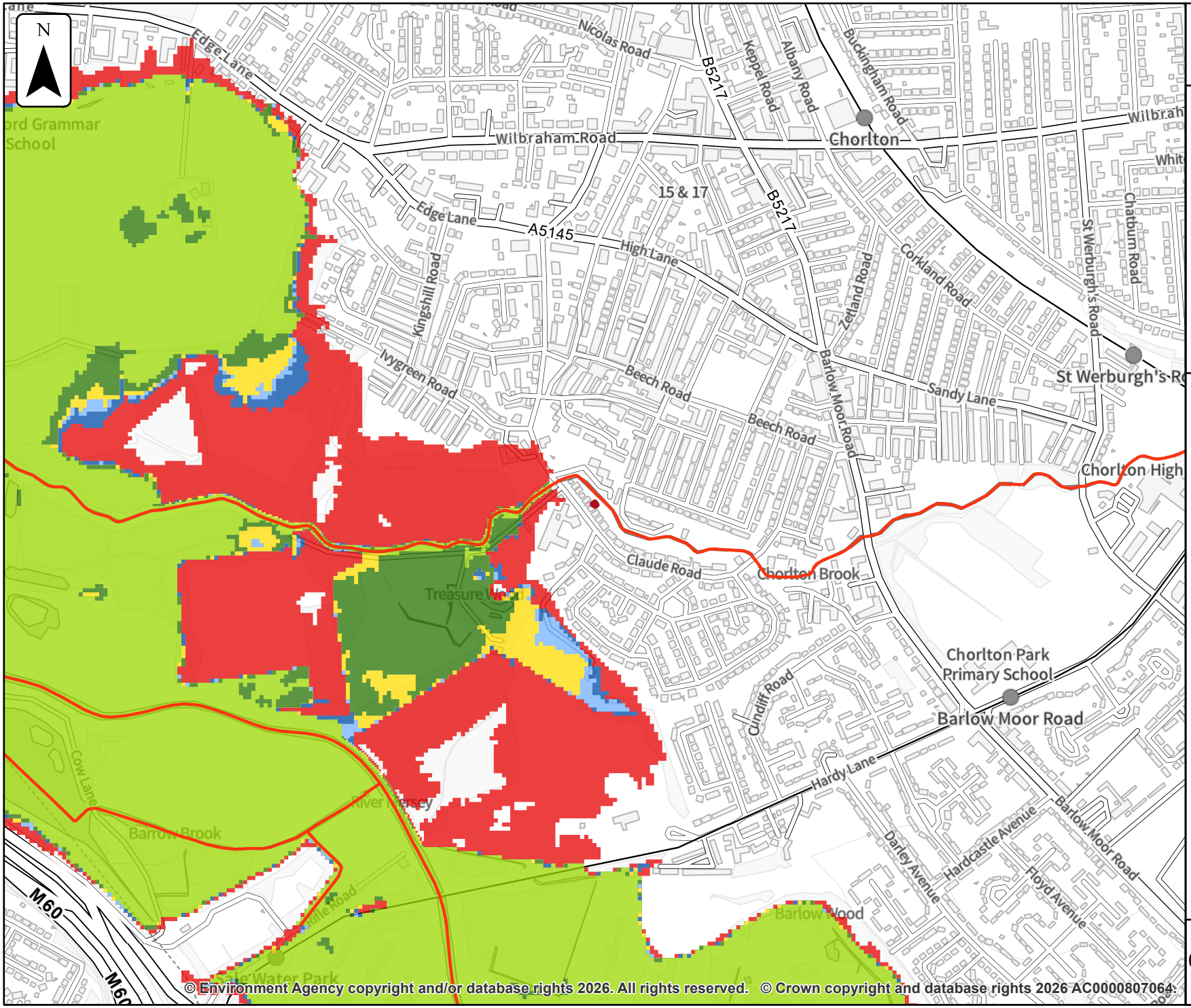
- Selected area
- Main river

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

Defences removed modelled fluvial extent

Location (easting/northing)
381396/393303

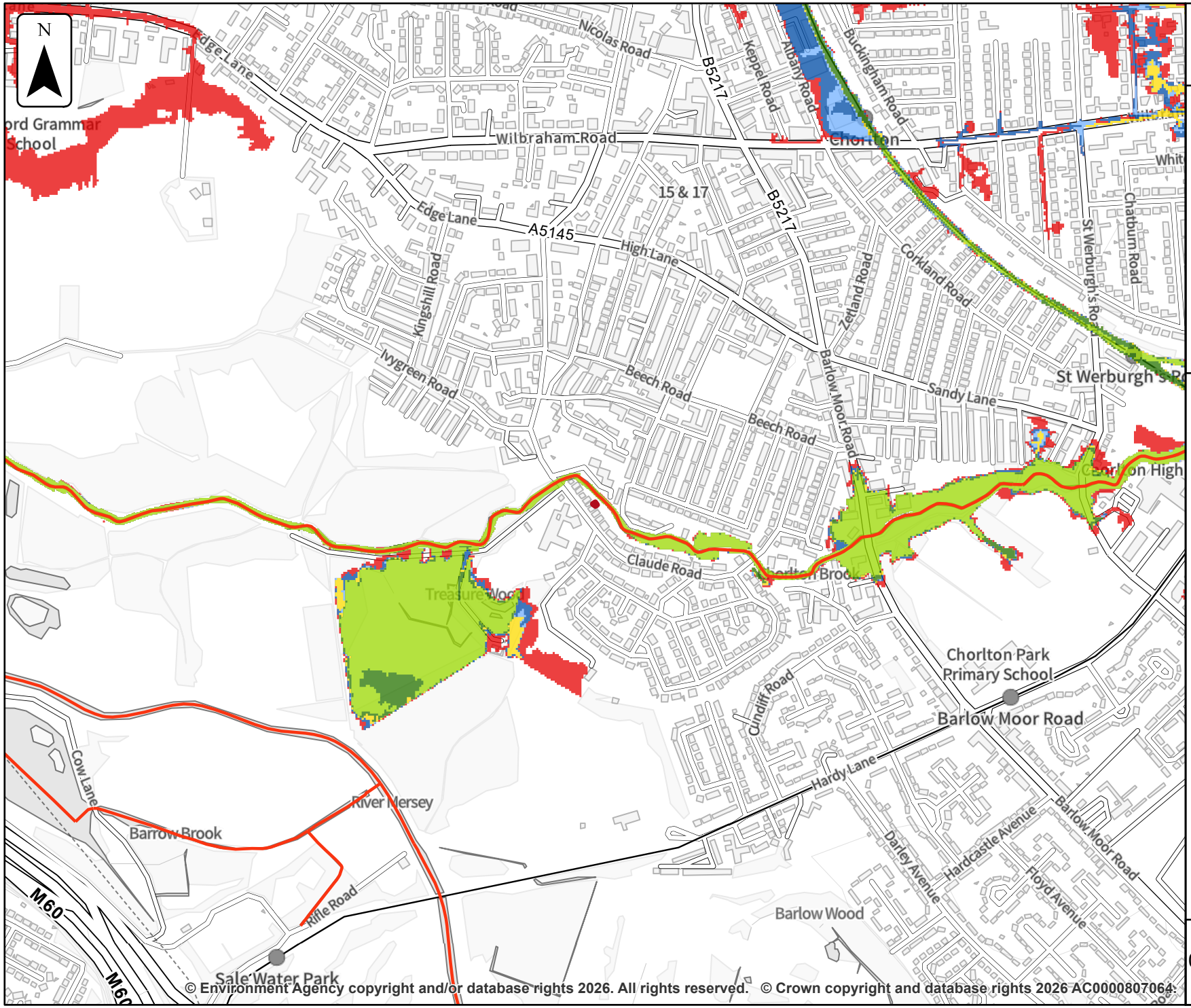
Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

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

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Defences removed modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

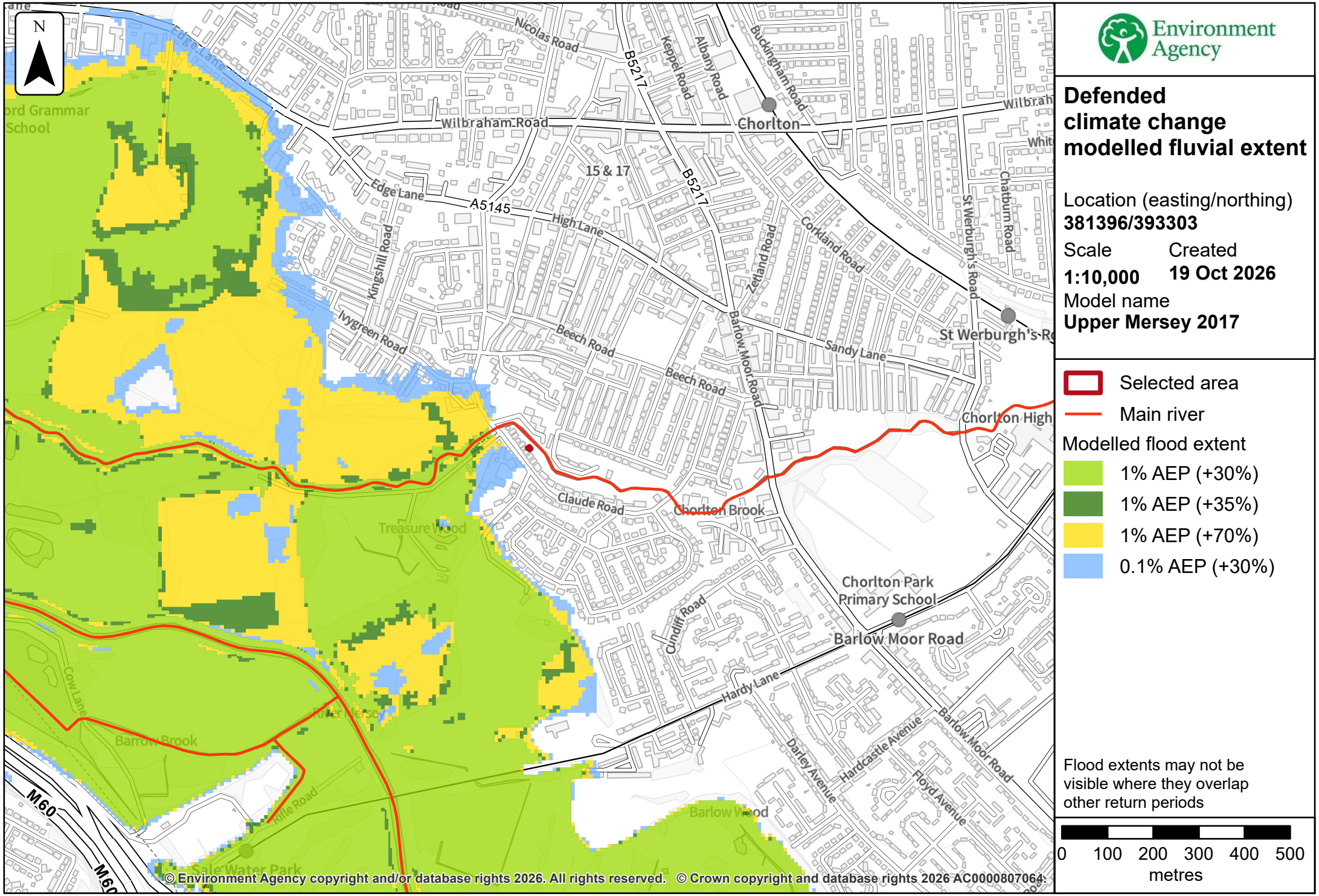
- Selected area
- Main river

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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Defended climate change modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

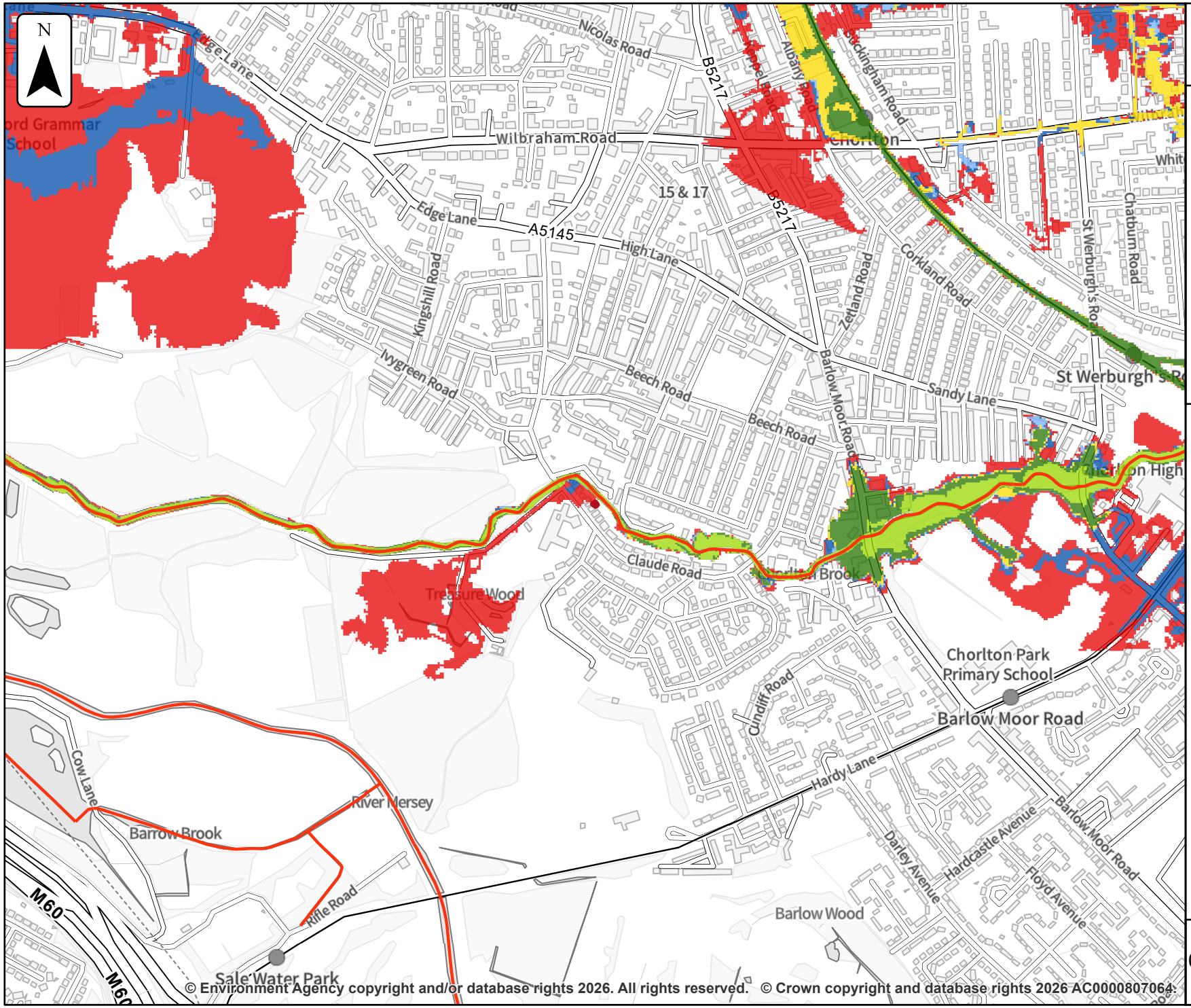
- Selected area
- Main river

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



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Defended climate change modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

- Selected area
- Main river

Modelled flood extent

- 50% AEP (+53%)
- 5% AEP (+53%)
- 1% AEP (+41%)
- 1% AEP (+53%)
- 1% AEP (+85%)
- 0.1% AEP (+53%)

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 extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

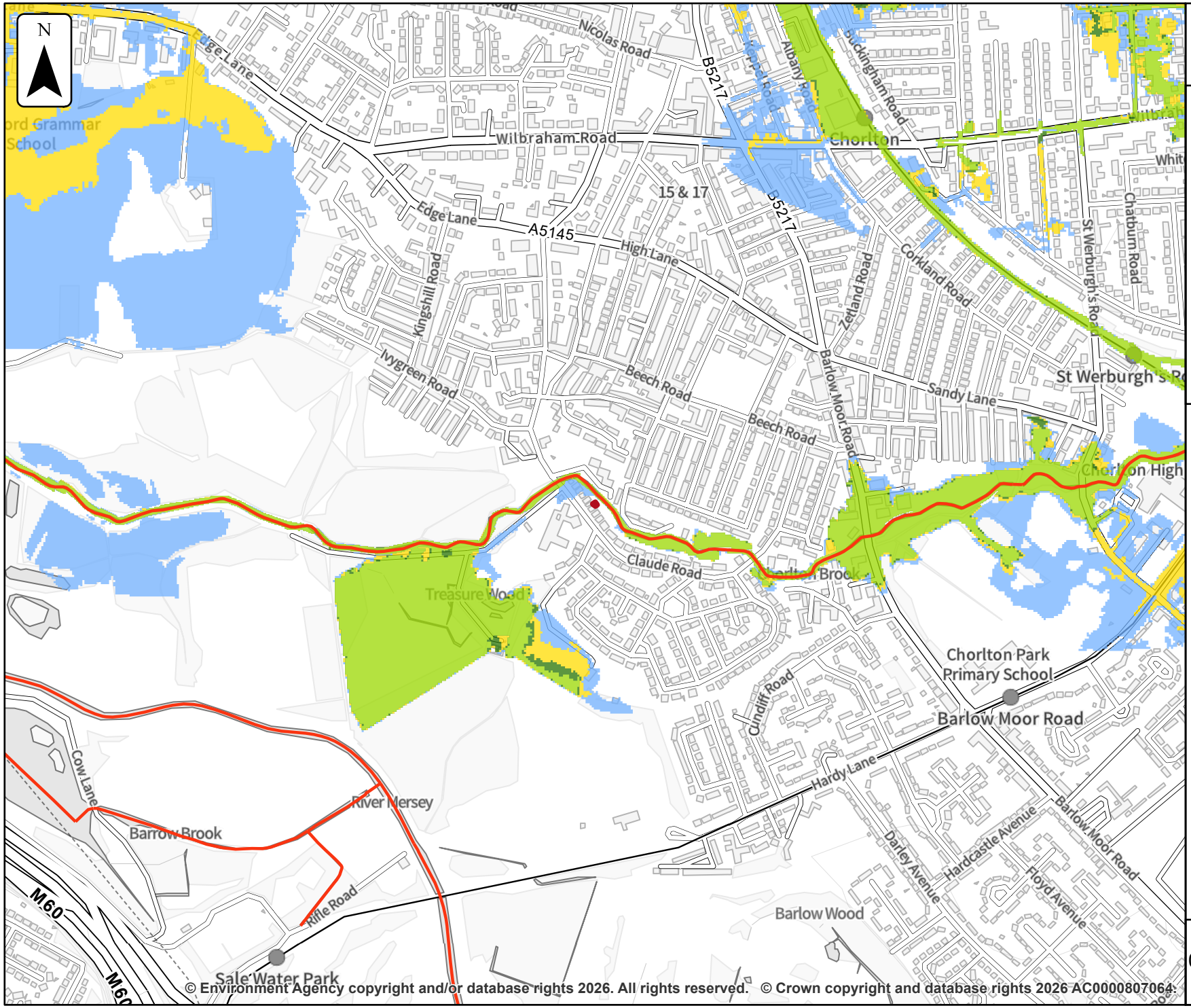
- Selected area
- Main river

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



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Defences removed climate change modelled fluvial extent

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

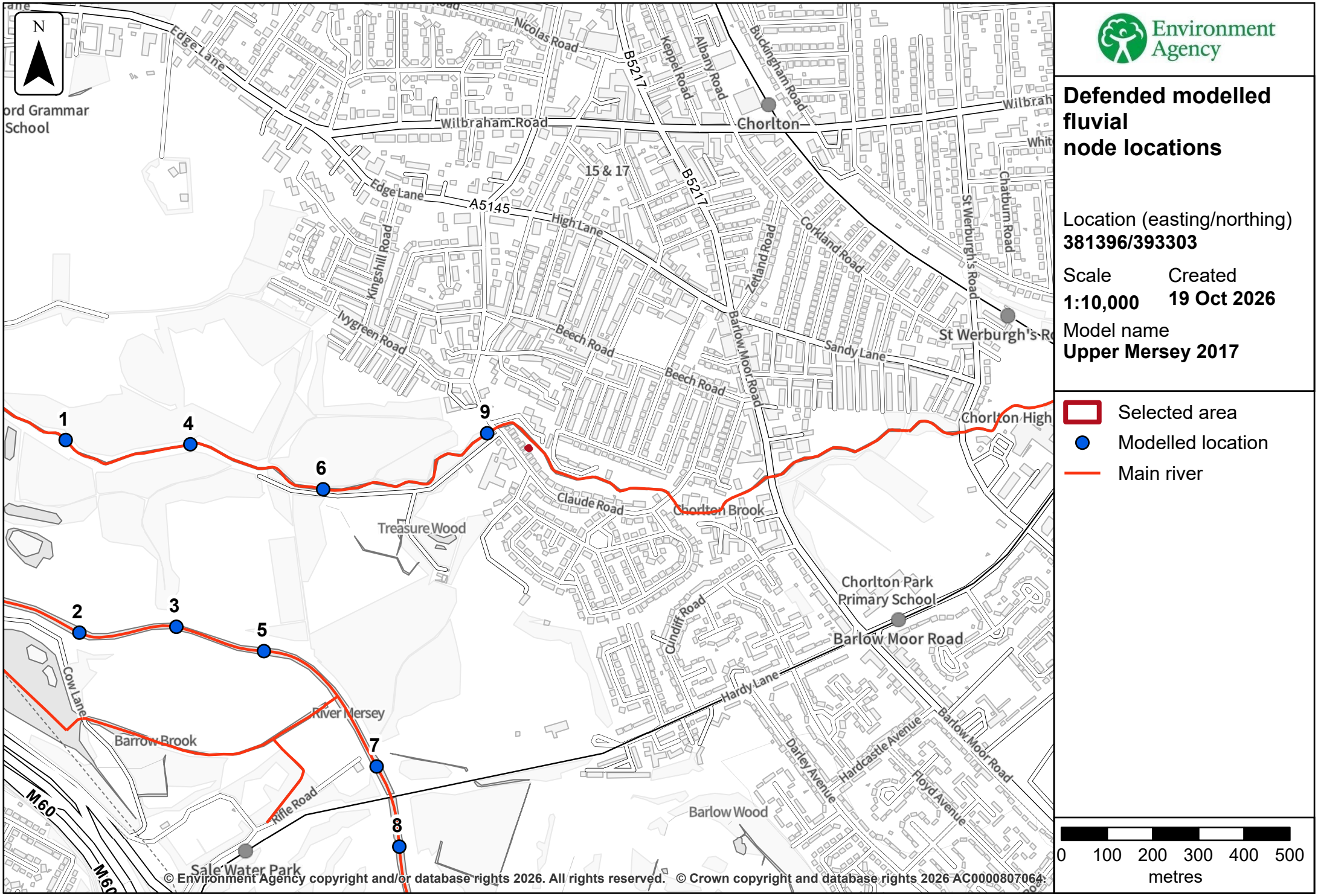
- Selected area
- Main river

Modelled flood extent

- 1% AEP (+41%)
- 1% AEP (+53%)
- 1% AEP (+85%)
- 0.1% AEP (+53%)

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

0 100 200 300 400 500
metres



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Defended modelled fluvial node locations

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defended

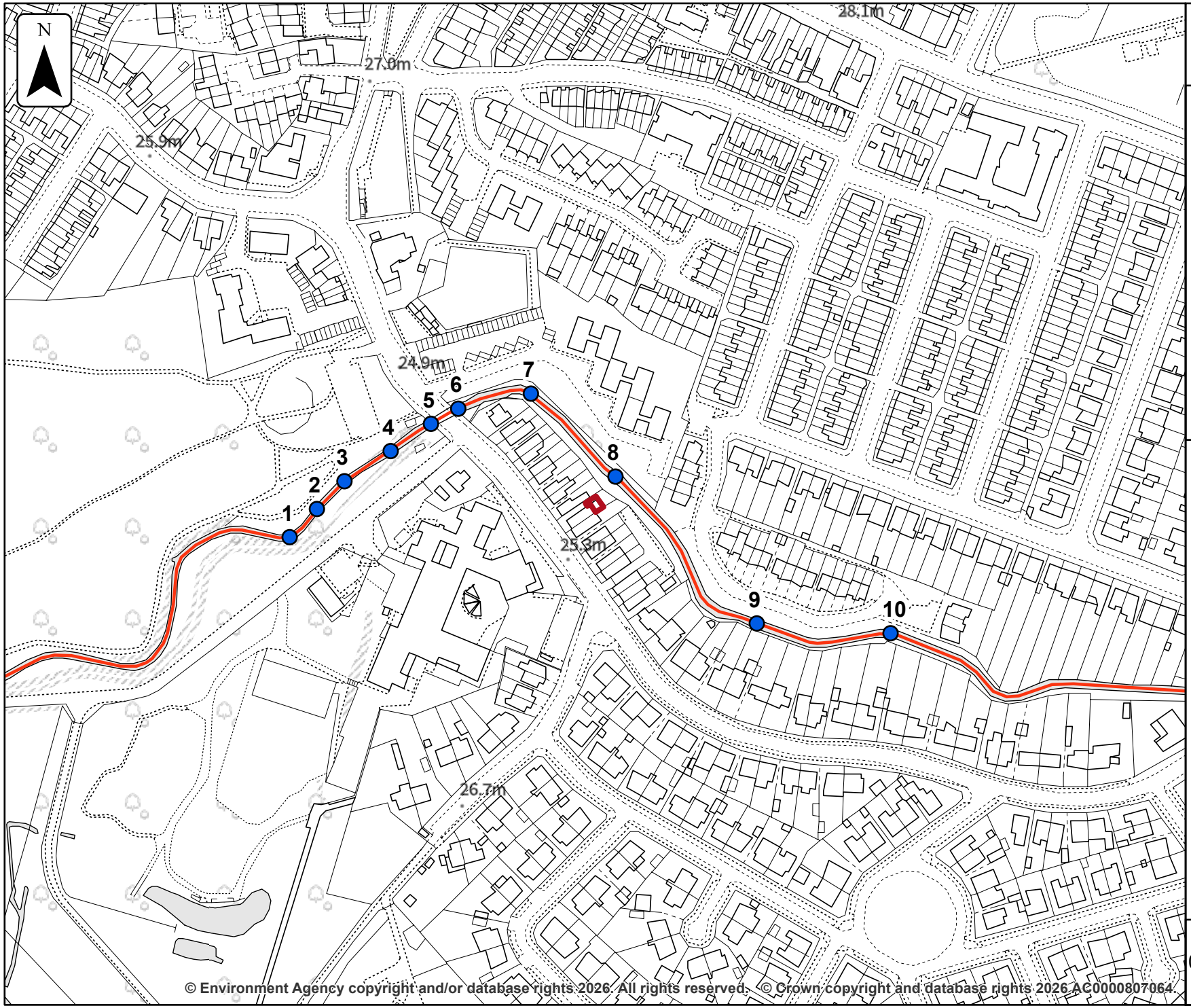
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290794	380382	393321	22.83	23.23	23.36	23.62	23.70	23.74	23.79	23.88	23.93	23.97	25.38
2	1290637	380412	392899	23.60	23.90	23.97	24.33	24.40	24.44	24.49	24.56	24.62	24.68	25.45
3	1290639	380624	392912	23.78	24.08	24.13	24.48	24.55	24.59	24.64	24.71	24.76	24.81	25.45
4	1290792	380655	393312	22.84	23.24	23.37	23.63	23.70	23.74	23.79	23.88	23.93	23.96	25.28
5	1290782	380816	392859	23.99	24.28	24.34	24.68	24.75	24.78	24.84	24.90	24.95	25.0	25.53
6	1290833	380946	393213	22.84	23.26	23.41	23.63	23.71	23.74	23.80	23.88	23.93	23.97	25.41
7	1290542	381063	392606	24.26	24.58	24.65	24.99	25.06	25.09	25.15	25.20	25.25	25.29	26.08
8	1290778	381113	392430	24.35	24.67	24.76	25.10	25.16	25.20	25.25	25.28	25.32	25.34	26.11
9	1290731	381305	393336	22.95	23.41	23.62	23.80	23.90	23.94	24.0	24.03	24.06	24.09	25.77

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	1290794	380382	393321	7.48	10.88	13.50	17.61	19.91	20.86	21.65	22.06	22.38	22.79	75.47
2	1290637	380412	392899	202.57	226.52	231.10	263.03	269.79	273.77	279.67	286.0	292.42	295.94	408.98
3	1290639	380624	392912	202.59	226.75	231.12	263.05	269.81	273.78	279.66	286.05	292.45	296.02	429.58
4	1290792	380655	393312	7.71	11.21	13.95	18.14	20.43	21.41	22.38	23.04	23.36	23.84	125.65
5	1290782	380816	392859	202.60	227.48	231.14	263.08	269.83	273.80	279.67	286.09	292.47	296.08	454.12
6	1290833	380946	393213	7.85	11.48	14.29	18.51	20.78	21.77	22.80	23.67	23.98	24.48	154.94
7	1290542	381063	392606	202.0	256.67	271.48	307.73	315.27	319.61	326.09	328.64	337.31	341.71	460.47
8	1290778	381113	392430	202.01	256.66	271.49	307.74	315.43	320.48	328.87	333.94	347.99	354.89	527.20
9	1290731	381305	393336	7.90	11.60	14.50	19.0	21.90	23.50	25.40	27.10	28.10	30.10	31.10

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 node locations

Location (easting/northing)
381396/393303

Scale
1:2,500

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

- Selected area
- Modelled location
- Main river

0 25 50 75 100 125
metres

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Modelled node locations data

Defended

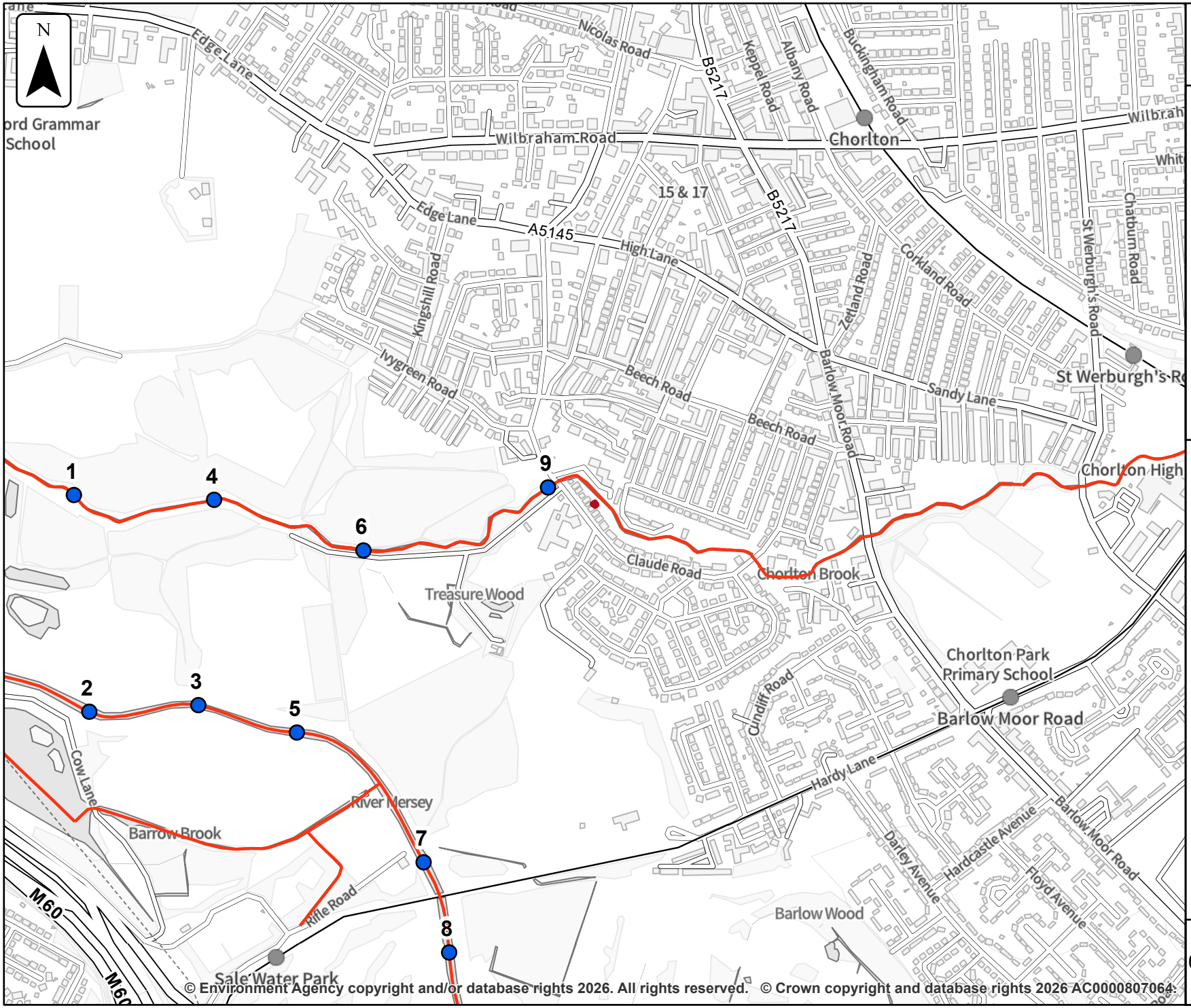
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1600848	381247	393287	22.94	23.21	23.35	23.49	23.53	23.56	23.59	23.60	23.65	23.79
2	1600989	381261	393301	23.03	23.30	23.45	23.59	23.63	23.66	23.68	23.70	23.74	23.87
3	1600994	381274	393315	23.07	23.35	23.50	23.64	23.68	23.72	23.74	23.75	23.79	23.92
4	1601004	381297	393329	23.09	23.37	23.53	23.67	23.71	23.74	23.76	23.78	23.82	23.95
5	1601020	381316	393342	23.11	23.39	23.54	23.69	23.73	23.76	23.78	23.80	23.84	23.98
6	1600967	381330	393350	23.15	23.43	23.60	23.76	23.81	23.84	23.87	23.89	23.98	24.50
7	1600919	381365	393357	23.24	23.48	23.61	23.74	23.78	23.82	23.84	23.86	23.92	24.44
8	1600936	381406	393317	23.65	23.84	23.95	24.06	24.09	24.12	24.14	24.15	24.19	24.52
9	1600935	381475	393245	24.25	24.44	24.55	24.65	24.68	24.71	24.73	24.74	24.77	24.93
10	1600932	381540	393241	24.49	24.73	24.89	25.01	25.04	25.07	25.09	25.10	25.13	25.26

Data in this table comes from the Chorlton Platt Gore 2024 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	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
1	1600848	381247	393287	14.71	18.72	21.19	23.56	24.28	24.86	25.25	25.50	26.25	28.72
2	1600989	381261	393301	14.71	18.72	21.19	23.56	24.29	24.85	25.26	25.51	26.24	28.75
3	1600994	381274	393315	14.71	18.72	21.19	23.57	24.28	24.86	25.26	25.51	26.25	28.76
4	1601004	381297	393329	14.71	18.72	21.19	23.57	24.29	24.86	25.25	25.51	26.26	28.75
5	1601020	381316	393342	14.62	18.62	21.09	23.46	24.18	24.76	25.14	25.39	26.11	28.53
6	1600967	381330	393350	14.62	18.62	21.09	23.46	24.18	24.76	25.14	25.39	26.11	28.53
7	1600919	381365	393357	14.62	18.63	21.09	23.48	24.19	24.76	25.13	25.38	26.12	28.51
8	1600936	381406	393317	14.62	18.62	21.09	23.46	24.21	24.75	25.15	25.39	26.08	28.57
9	1600935	381475	393245	14.62	18.62	21.09	23.49	24.19	24.78	25.17	25.40	26.14	28.39
10	1600932	381540	393241	14.55	18.16	20.23	22.49	23.12	23.60	23.96	24.15	24.67	26.85

Data in this table comes from the Chorlton Platt Gore 2024 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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Defences removed modelled fluvial node locations

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defences removed

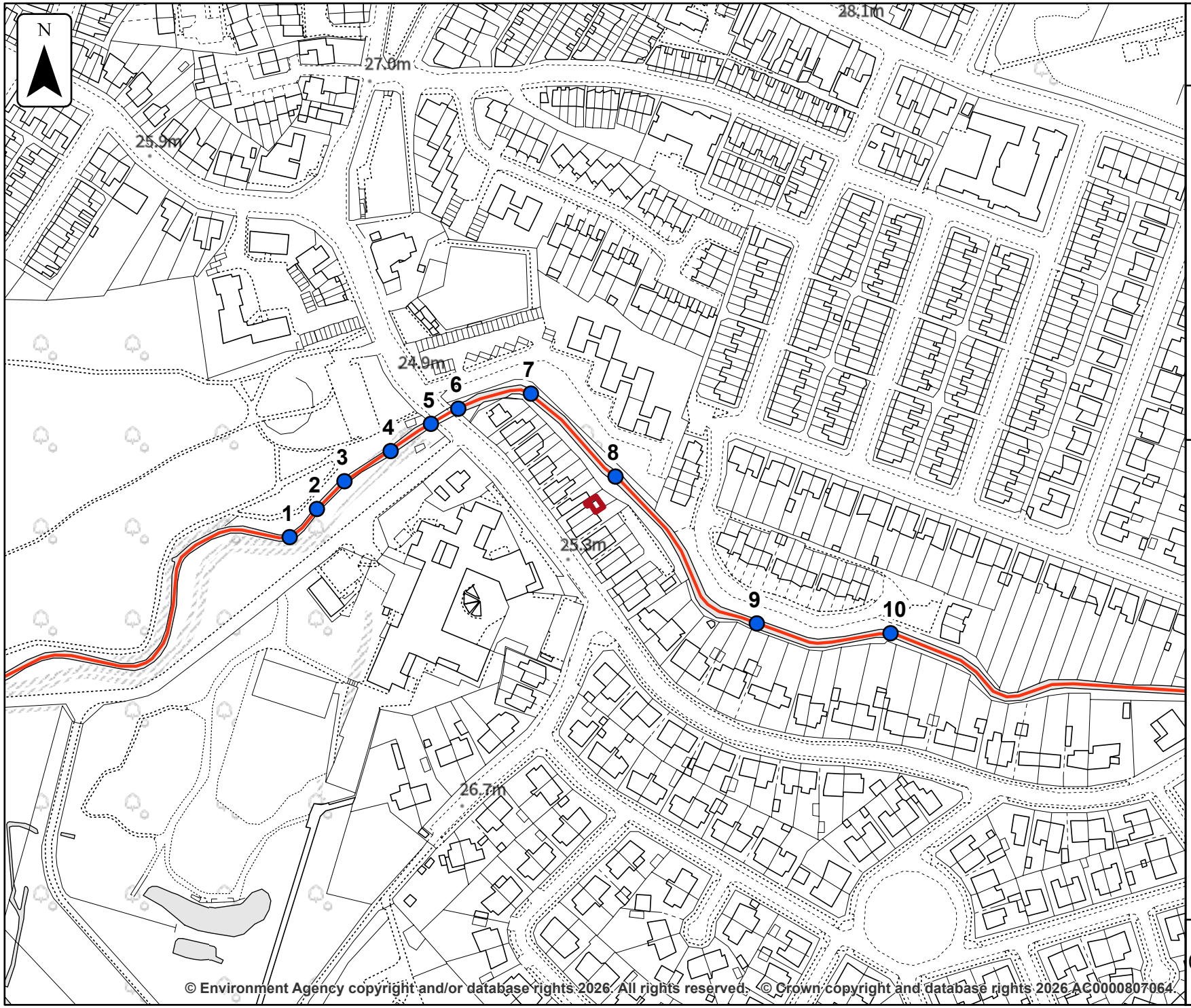
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	4% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1290794	380382	393321	21.88	22.42	22.62	22.81	22.89	22.95	23.13	23.28	23.36	23.57	25.01
2	1290637	380412	392899	22.46	22.58	22.69	22.86	22.94	23.0	23.18	23.33	23.41	23.62	25.15
3	1290639	380624	392912	22.42	22.52	22.64	22.81	22.88	22.94	23.10	23.24	23.31	23.53	25.17
4	1290792	380655	393312	21.91	22.48	22.65	22.83	22.91	22.96	23.14	23.29	23.36	23.58	25.03
5	1290782	380816	392859	22.76	22.91	22.99	23.06	23.10	23.14	23.28	23.42	23.49	23.69	25.13
6	1290833	380946	393213	21.92	22.48	22.66	22.84	22.92	22.98	23.15	23.29	23.36	23.58	25.03
7	1290542	381063	392606	23.14	23.31	23.41	23.51	23.54	23.57	23.65	23.73	23.78	23.92	25.15
8	1290778	381113	392430	23.25	23.44	23.54	23.63	23.68	23.72	23.81	23.89	23.95	24.09	25.21
9	1290731	381305	393336	22.95	23.23	23.43	23.71	23.84	23.89	23.95	24.0	24.03	24.08	25.03

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	1290794	380382	393321	7.83	11.59	14.44	18.90	20.64	21.07	21.39	21.64	21.77	21.98	51.30
2	1290637	380412	392899	109.78	121.80	130.12	136.48	137.65	138.49	142.11	145.72	148.15	153.52	296.61
3	1290639	380624	392912	147.61	167.75	176.49	182.86	184.12	185.09	187.96	193.07	196.64	207.22	275.42
4	1290792	380655	393312	7.86	11.56	14.46	18.30	20.35	21.19	21.81	22.37	22.58	23.0	30.07
5	1290782	380816	392859	146.92	166.80	176.89	187.09	190.89	194.14	203.61	209.76	213.87	224.32	288.51
6	1290833	380946	393213	7.89	11.58	14.48	18.96	21.04	21.77	22.41	22.90	23.19	23.76	28.63
7	1290542	381063	392606	151.48	178.73	193.99	203.95	208.16	212.02	224.38	232.76	239.13	256.28	325.29
8	1290778	381113	392430	163.25	184.53	201.98	216.17	220.65	223.87	231.0	239.82	246.27	260.93	329.95
9	1290731	381305	393336	7.90	11.60	14.50	19.0	21.90	23.50	25.40	27.10	28.10	30.10	31.10

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)
381396/393303

Scale
1:2,500

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

- Selected area
- Modelled location
- Main river

0 25 50 75 100 125
metres

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Modelled node locations data

Defences removed

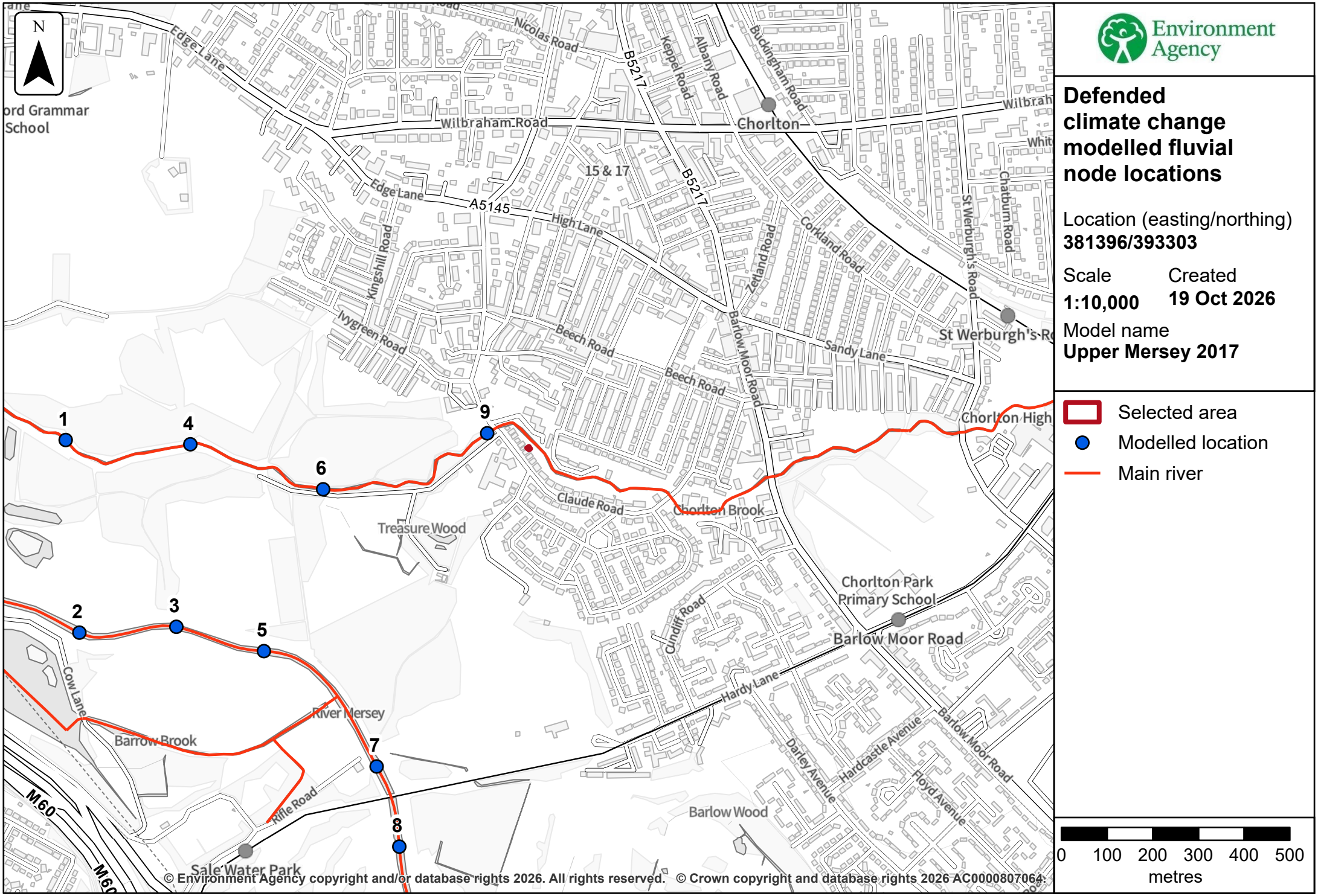
Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1600848	381247	393287	22.94	23.21	23.32	23.38	23.40	23.41	23.42	23.43	23.44	23.49
2	1600989	381261	393301	23.03	23.30	23.43	23.50	23.53	23.54	23.56	23.56	23.58	23.66
3	1600994	381274	393315	23.07	23.35	23.48	23.56	23.59	23.61	23.62	23.62	23.65	23.73
4	1601004	381297	393329	23.09	23.37	23.50	23.59	23.62	23.64	23.65	23.65	23.68	23.77
5	1601020	381316	393342	23.10	23.39	23.52	23.61	23.64	23.66	23.67	23.68	23.70	23.79
6	1600967	381330	393350	23.15	23.43	23.57	23.68	23.71	23.74	23.75	23.76	23.79	23.93
7	1600919	381365	393357	23.24	23.47	23.60	23.70	23.73	23.75	23.77	23.78	23.82	23.94
8	1600936	381406	393317	23.65	23.84	23.95	24.04	24.07	24.10	24.11	24.12	24.15	24.25
9	1600935	381475	393245	24.25	24.44	24.55	24.64	24.67	24.69	24.71	24.71	24.74	24.85
10	1600932	381540	393241	24.48	24.73	24.89	24.99	25.03	25.06	25.08	25.09	25.12	25.23

Data in this table comes from the Chorlton Platt Gore 2024 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	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
1	1600848	381247	393287	14.69	18.71	21.18	23.43	24.15	24.68	25.07	25.20	25.98	28.50
2	1600989	381261	393301	14.69	18.71	21.18	23.43	24.15	24.68	25.07	25.20	25.99	28.50
3	1600994	381274	393315	14.70	18.71	21.18	23.43	24.16	24.68	25.08	25.19	25.99	28.52
4	1601004	381297	393329	14.70	18.71	21.18	23.43	24.16	24.67	25.09	25.21	25.98	28.49
5	1601020	381316	393342	14.61	18.62	21.08	23.34	24.05	24.59	24.98	25.10	25.86	28.28
6	1600967	381330	393350	14.61	18.62	21.08	23.34	24.05	24.59	24.98	25.10	25.86	28.28
7	1600919	381365	393357	14.61	18.62	21.08	23.33	24.07	24.54	24.99	25.12	25.86	28.28
8	1600936	381406	393317	14.61	18.62	21.08	23.35	24.08	24.60	24.99	25.13	25.89	28.27
9	1600935	381475	393245	14.61	18.62	21.08	23.34	24.09	24.53	24.98	25.13	25.87	28.23
10	1600932	381540	393241	14.53	18.16	20.22	22.40	23.04	23.45	23.75	23.88	24.54	26.56

Data in this table comes from the Chorlton Platt Gore 2024 model..
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Environment Agency

Defended climate change modelled fluvial node locations

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defended climate change

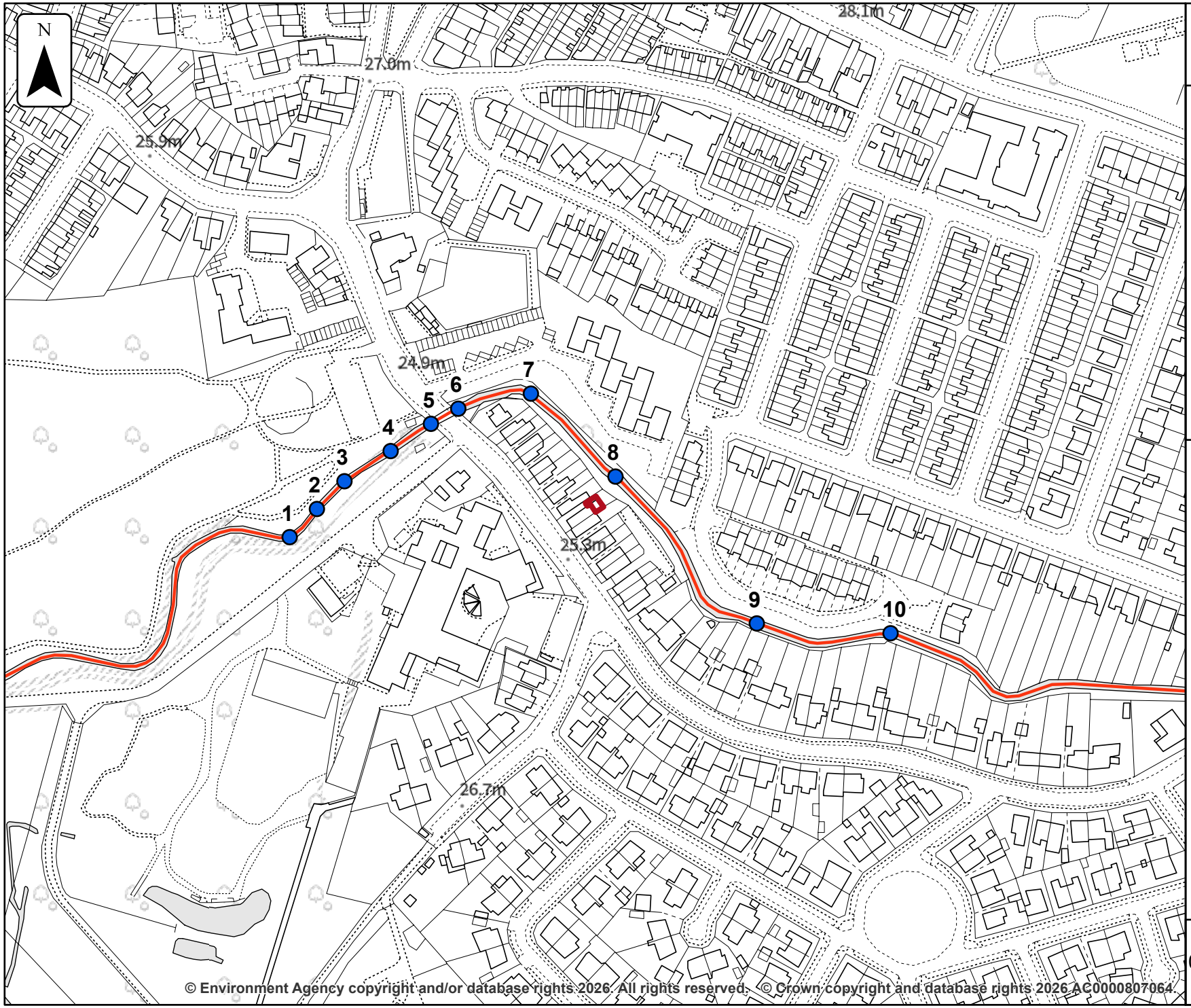
Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level
1	1290794	380382	393321	24.10	24.17	24.94	26.13
2	1290637	380412	392899	24.92	24.98	25.32	26.15
3	1290639	380624	392912	25.06	25.12	25.36	26.15
4	1290792	380655	393312	24.09	24.14	24.94	26.14
5	1290782	380816	392859	25.25	25.31	25.50	26.19
6	1290833	380946	393213	24.15	24.29	25.14	26.16
7	1290542	381063	392606	25.49	25.59	26.02	26.34
8	1290778	381113	392430	25.51	25.61	26.05	26.34
9	1290731	381305	393336	24.24	24.41	25.34	26.19

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	1290794	380382	393321	24.0	24.16	63.57	88.62
2	1290637	380412	392899	335.0	346.35	400.28	434.40
3	1290639	380624	392912	337.22	349.03	418.13	455.14
4	1290792	380655	393312	25.06	32.91	92.29	94.37
5	1290782	380816	392859	338.65	352.01	439.51	486.48
6	1290833	380946	393213	25.68	25.97	79.99	76.26
7	1290542	381063	392606	379.01	394.63	454.68	472.31
8	1290778	381113	392430	423.83	446.45	522.75	539.63
9	1290731	381305	393336	36.53	37.94	48.0	40.40

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)
381396/393303

Scale
1:2,500

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

- Selected area
- Modelled location
- Main river

0 25 50 75 100 125
metres

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Modelled node locations data

Defended climate change

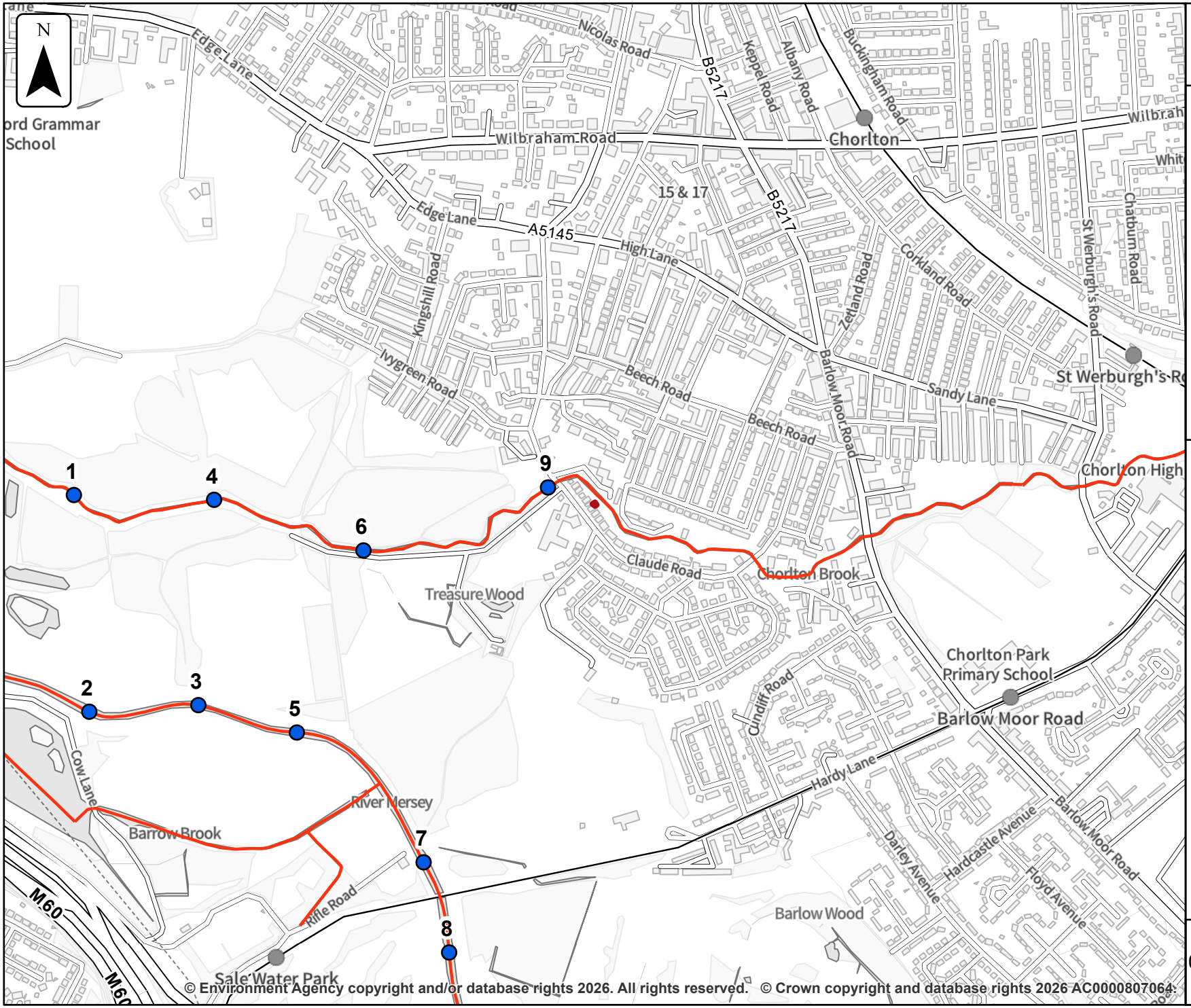
Label	Modelled location ID	Easting	Northing	50% AEP (+53%)	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
				Level	Level	Level	Level	Level	Level
1	1600848	381247	393287	23.25	23.61	23.70	23.74	23.84	24.04
2	1600989	381261	393301	23.35	23.70	23.79	23.82	23.92	24.10
3	1600994	381274	393315	23.39	23.76	23.84	23.88	23.96	24.15
4	1601004	381297	393329	23.42	23.78	23.87	23.90	23.99	24.17
5	1601020	381316	393342	23.43	23.80	23.89	23.93	24.02	24.20
6	1600967	381330	393350	23.48	23.89	24.24	24.41	24.56	24.88
7	1600919	381365	393357	23.51	23.86	24.18	24.36	24.51	24.82
8	1600936	381406	393317	23.87	24.15	24.31	24.45	24.58	24.85
9	1600935	381475	393245	24.47	24.74	24.85	24.88	24.97	25.19
10	1600932	381540	393241	24.77	25.10	25.18	25.21	25.29	25.48

Data in this table comes from the Chorlton Platt Gore 2024 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	50% AEP (+53%)	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
				Flow	Flow	Flow	Flow	Flow	Flow
1	1600848	381247	393287	19.40	25.58	27.15	27.82	29.44	32.64
2	1600989	381261	393301	19.41	25.59	27.15	27.83	29.51	33.0
3	1600994	381274	393315	19.41	25.59	27.15	27.83	29.51	33.03
4	1601004	381297	393329	19.41	25.59	27.16	27.82	29.53	33.03
5	1601020	381316	393342	19.30	25.46	26.97	27.62	29.24	32.59
6	1600967	381330	393350	19.30	25.46	26.97	27.62	29.24	32.59
7	1600919	381365	393357	19.30	25.45	26.99	27.59	29.32	32.97
8	1600936	381406	393317	19.31	25.45	27.0	27.67	29.34	33.37
9	1600935	381475	393245	19.31	25.47	26.94	27.52	29.11	32.77
10	1600932	381540	393241	18.77	24.21	25.55	26.11	27.47	30.69

Data in this table comes from the Chorlton Platt Gore 2024 model..
Level values are shown in mAOD, and flow values are shown in cubic metres per second.
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Environment Agency

Defences removed climate change modelled fluvial node locations

Location (easting/northing)
381396/393303

Scale
1:10,000

Created
19 Oct 2026

Model name
Upper Mersey 2017

- Selected area
- Modelled location
- Main river

0 100 200 300 400 500
metres

Modelled node locations data

Defences removed climate change

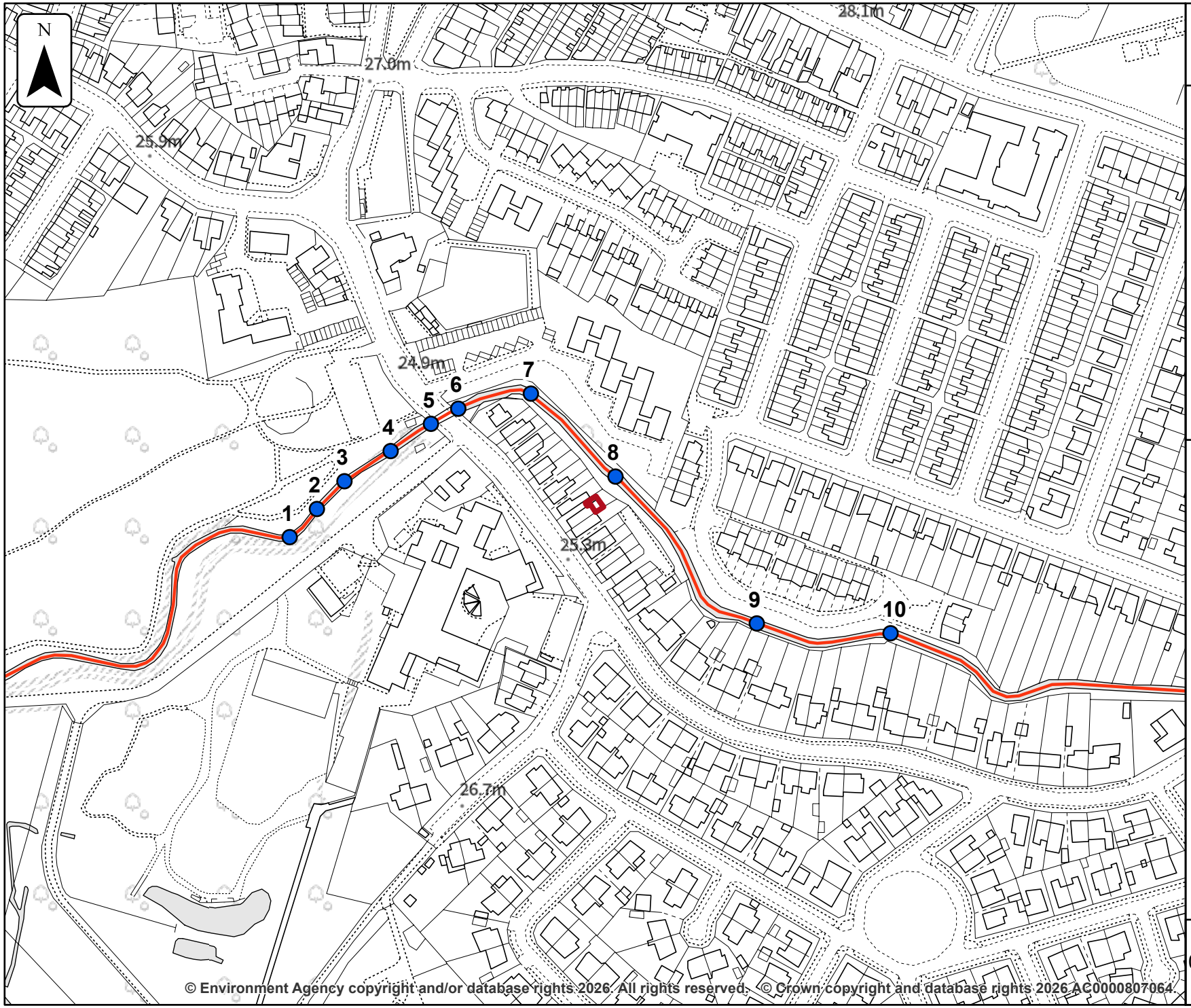
Label	Modelled location ID	Easting	Northing	1% AEP (+30%)	1% AEP (+35%)	1% AEP (+70%)	0.1% AEP (+30%)
				Level	Level	Level	Level
1	1290794	380382	393321	23.97	24.04	24.87	25.89
2	1290637	380412	392899	24.05	24.17	25.01	25.91
3	1290639	380624	392912	23.98	24.09	24.98	25.89
4	1290792	380655	393312	24.02	24.07	24.88	25.90
5	1290782	380816	392859	24.10	24.30	24.95	25.93
6	1290833	380946	393213	23.99	24.09	24.88	25.98
7	1290542	381063	392606	24.25	24.38	25.0	25.97
8	1290778	381113	392430	24.38	24.45	25.07	25.99
9	1290731	381305	393336	24.25	24.29	24.89	26.03

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	1290794	380382	393321	30.95	42.85	26.70	39.46
2	1290637	380412	392899	168.10	175.17	274.91	253.85
3	1290639	380624	392912	222.16	225.90	271.96	290.93
4	1290792	380655	393312	24.84	26.64	38.75	30.15
5	1290782	380816	392859	237.63	240.80	271.93	312.85
6	1290833	380946	393213	26.56	28.56	40.19	30.92
7	1290542	381063	392606	277.22	282.92	315.50	367.10
8	1290778	381113	392430	283.70	288.86	321.56	377.93
9	1290731	381305	393336	36.53	37.94	48.0	40.40

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 climate change modelled fluvial node locations

Location (easting/northing)
381396/393303

Scale
1:2,500

Created
19 Oct 2026

Model name
Chorlton Platt Gore 2024

- Selected area
- Modelled location
- Main river

0 25 50 75 100 125
metres

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Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
				Level	Level	Level	Level
1	1600848	381247	393287	23.46	23.48	23.51	23.69
2	1600989	381261	393301	23.61	23.63	23.68	23.81
3	1600994	381274	393315	23.68	23.70	23.76	23.89
4	1601004	381297	393329	23.72	23.74	23.79	23.92
5	1601020	381316	393342	23.74	23.76	23.82	23.95
6	1600967	381330	393350	23.84	23.87	24.10	24.63
7	1600919	381365	393357	23.87	23.89	24.04	24.56
8	1600936	381406	393317	24.19	24.21	24.30	24.64
9	1600935	381475	393245	24.78	24.81	24.90	25.12
10	1600932	381540	393241	25.16	25.19	25.26	25.44

Data in this table comes from the Chorlton Platt Gore 2024 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 (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
				Flow	Flow	Flow	Flow
1	1600848	381247	393287	27.0	27.59	29.31	33.13
2	1600989	381261	393301	27.0	27.60	29.30	33.10
3	1600994	381274	393315	27.0	27.61	29.32	33.14
4	1601004	381297	393329	27.01	27.60	29.32	33.14
5	1601020	381316	393342	26.81	27.40	29.05	32.85
6	1600967	381330	393350	26.81	27.40	29.05	32.85
7	1600919	381365	393357	26.83	27.42	29.06	32.96
8	1600936	381406	393317	26.81	27.41	29.08	32.79
9	1600935	381475	393245	26.83	27.40	28.94	32.53
10	1600932	381540	393241	25.34	25.86	27.27	30.27

Data in this table comes from the Chorlton Platt Gore 2024 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.

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 canals, groundwater 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