

Flood risk assessment data



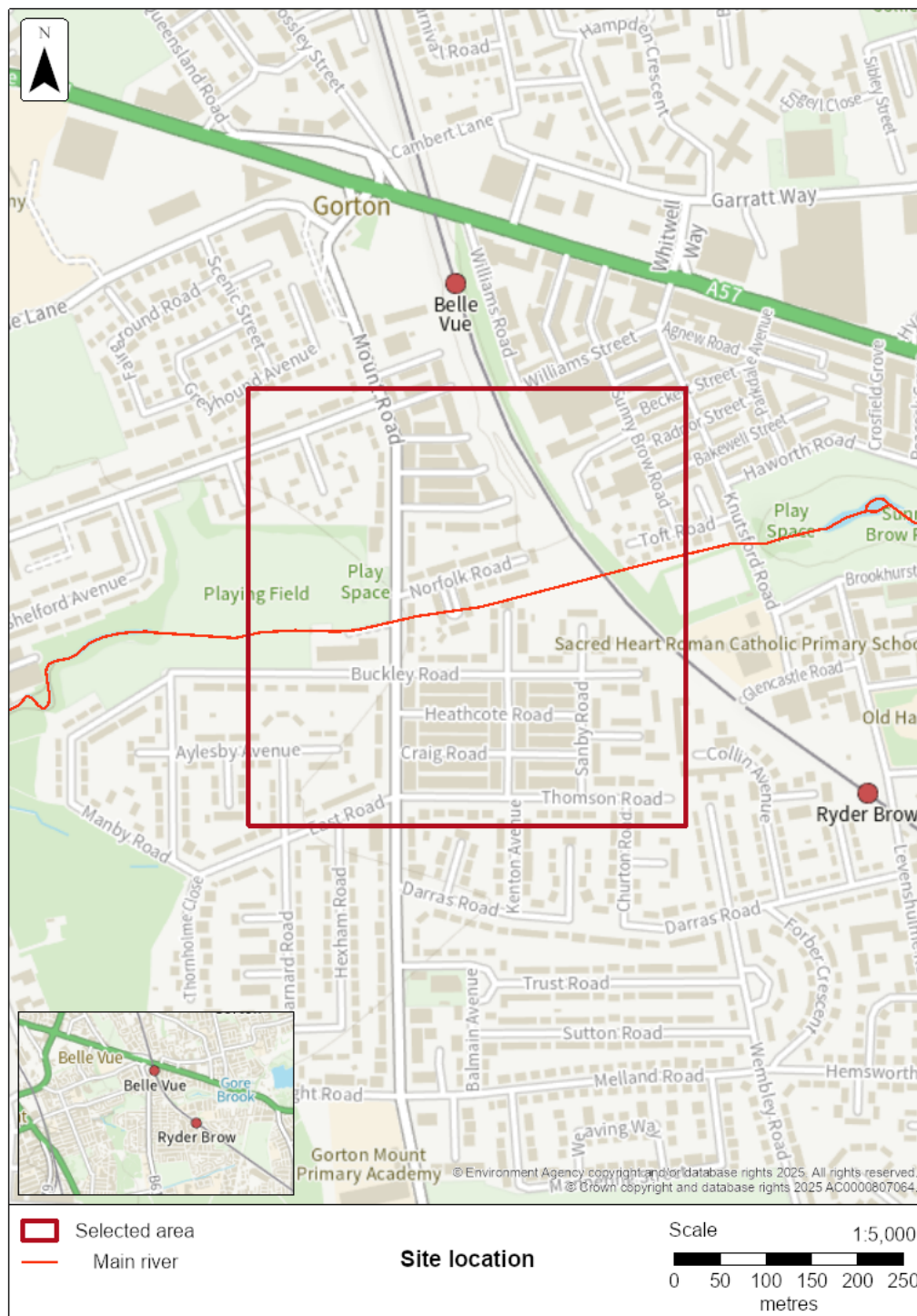
Location of site: 388149 / 395767 (shown as easting and northing coordinates)

Document created on: 3 September 2025

This information was previously known as a product 4.

Customer reference number: 7T1DNDHK5EUE

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)
- modelled data
- information about strategic flood risk assessments
- information about this data
- information about flood risk activity permits
- help and advice

Information that's unavailable

This document **does not** contain:

- past floods
- flood defences and attributes

We do not have past flooding data for this location.

Please note that:

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

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

We aren't able to display flood defence locations and attributes as there are no formal flood defences in the area of interest.

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: Chorlton Platt Gore 2024

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

Date: 15 April 2024

These models contain the most relevant data for your area of interest.

Terminology used

Annual exceedance probability (AEP)

This refers to the probability of a flood event occurring in any year. The probability is expressed as a percentage. For example, a large flood which is calculated to have a 1% chance of occurring in any one year, is described as 1% AEP.

Metres above ordnance datum (mAOD)

All flood levels are given in metres above ordnance datum which is defined as the mean sea level at Newlyn, Cornwall.

Flood map for planning (rivers and the sea)

Your selected location is in flood zone 3.

Flood zone 3 shows the area at risk of flooding for an undefended flood event with a:

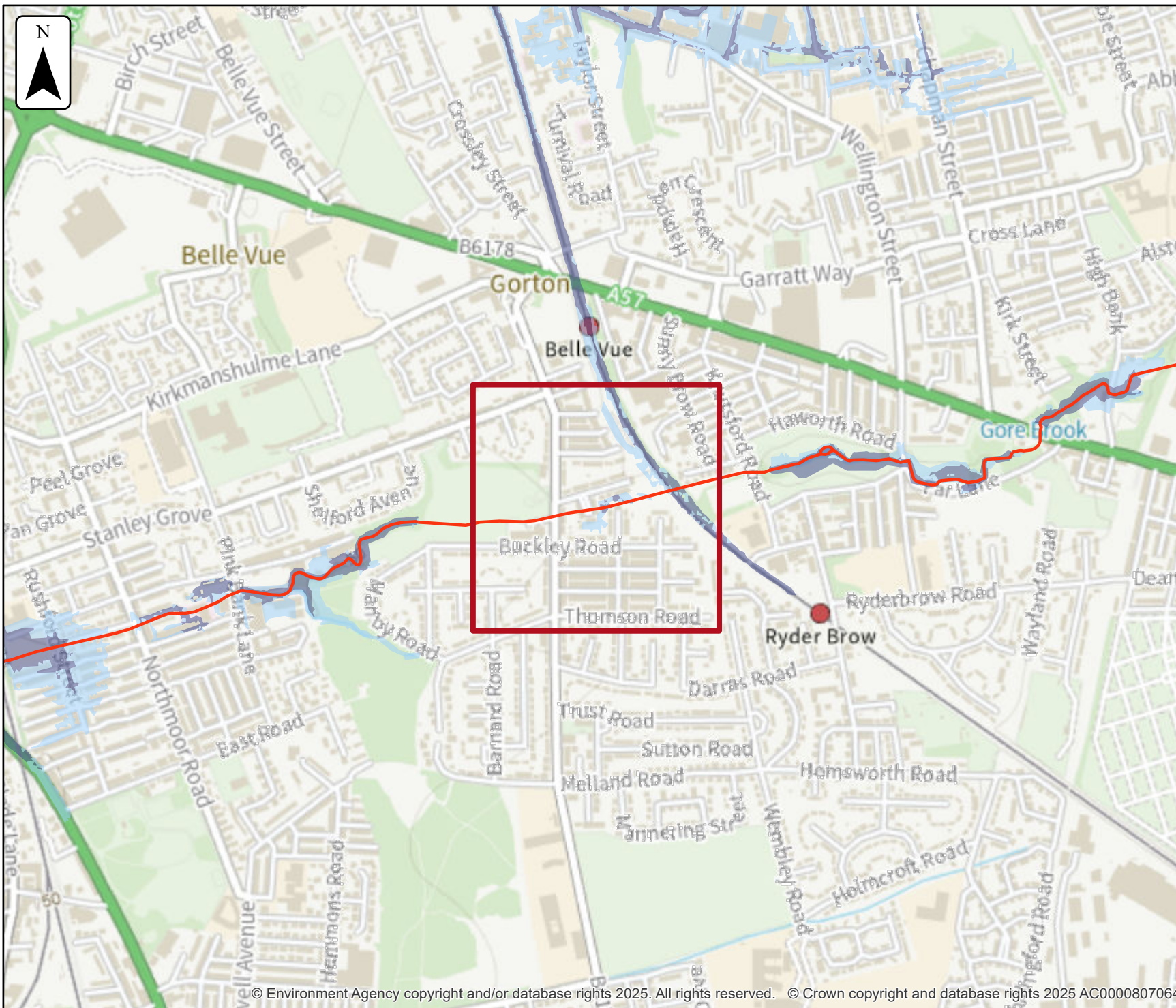
- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

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

- between a 0.1% and 0.5% probability of occurring in any year for flooding from the sea
- between a 0.1% and 1% probability of occurring in any year for fluvial (river) flooding

It's important to remember that the flood zones on this map:

- refer to the land at risk of flooding and do not refer to individual properties
- refer to the probability of river and sea flooding, ignoring the presence of defences
- do not take into account potential impacts of climate change



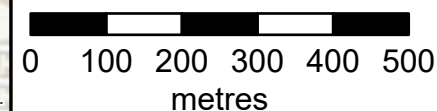
Flood map for planning

Location (easting/northing)
388149/395767

Scale
1:10,000

Created
3 Sep 2025

-  Selected area
-  Main river
-  Flood Zone 3
-  Flood Zone 2



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

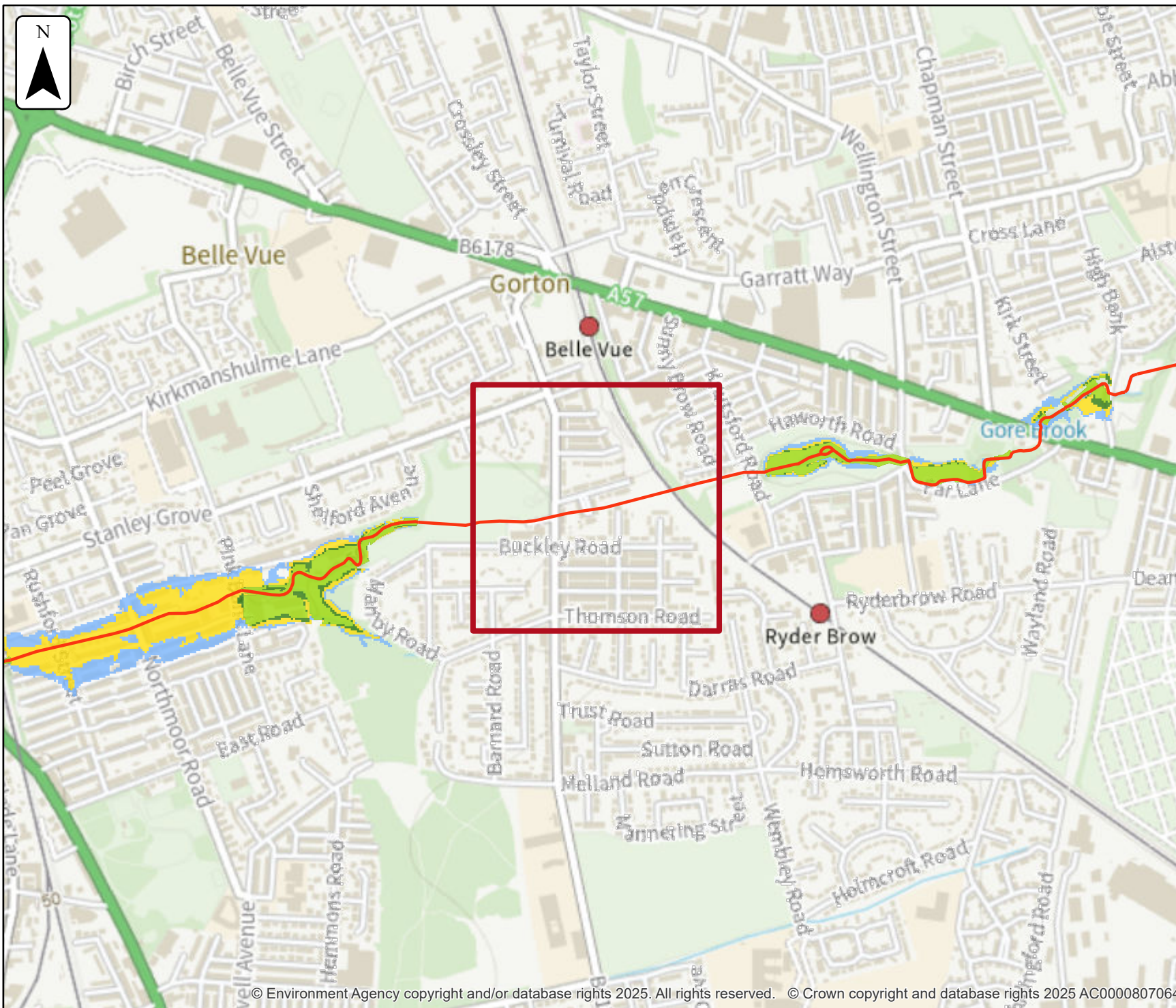
The climate change data included in the models may not include the latest [flood risk assessment climate change allowances](#). Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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



Defences removed climate change modelled fluvial extent

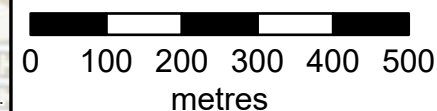
Location (easting/northing)
388149/395767

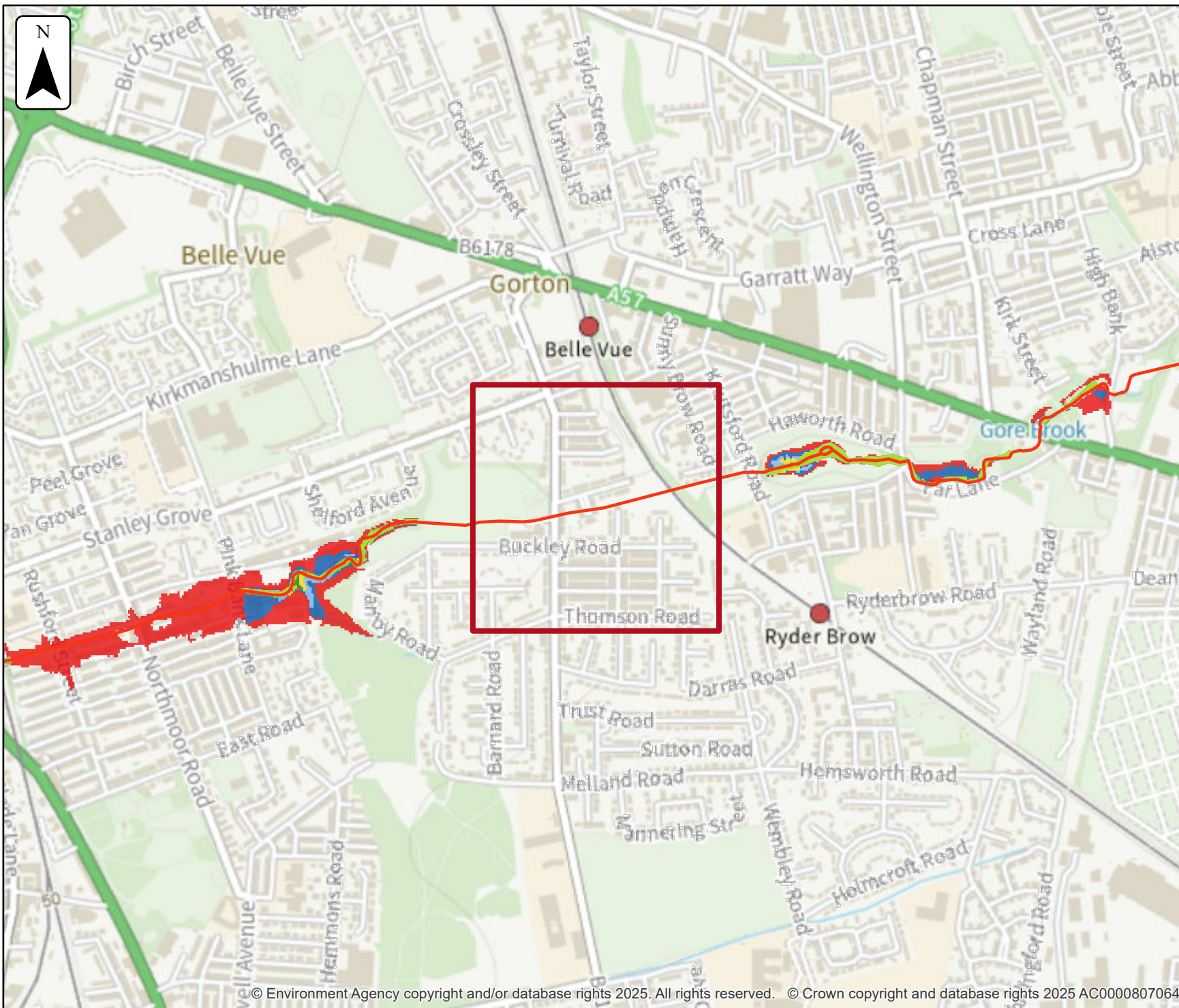
Scale Created
1:10,000 3 Sep 2025

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





Defences removed modelled fluvial extent

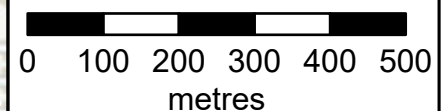
Location (easting/northing)
388149/395767

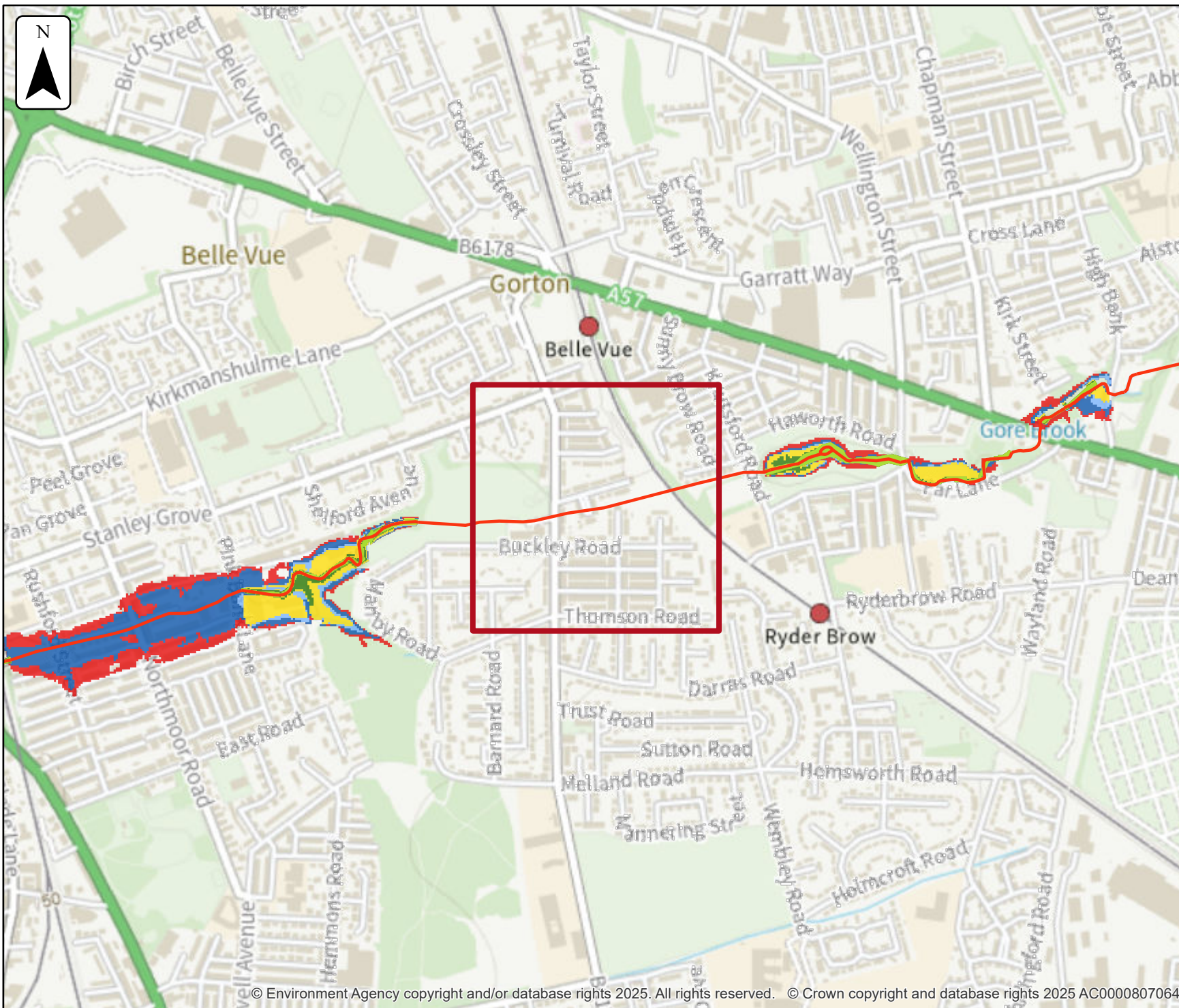
Scale Created
1:10,000 3 Sep 2025

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





Defended climate change modelled fluvial extent

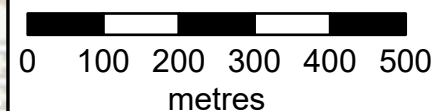
Location (easting/northing)
388149/395767

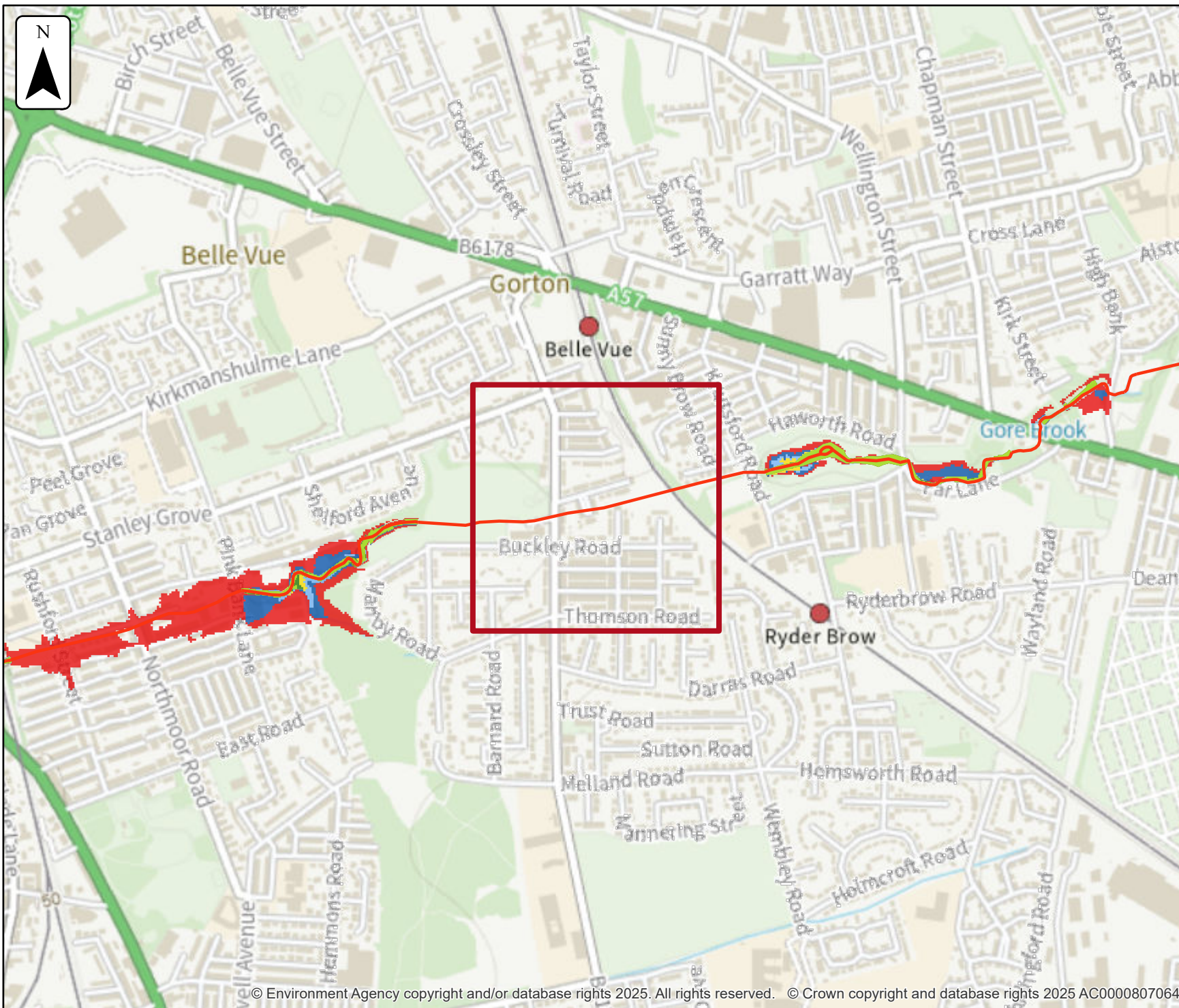
Scale Created
1:10,000 3 Sep 2025

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





Defended modelled fluvial extent

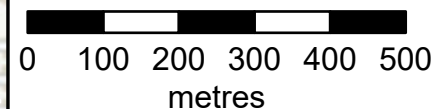
Location (easting/northing)
388149/395767

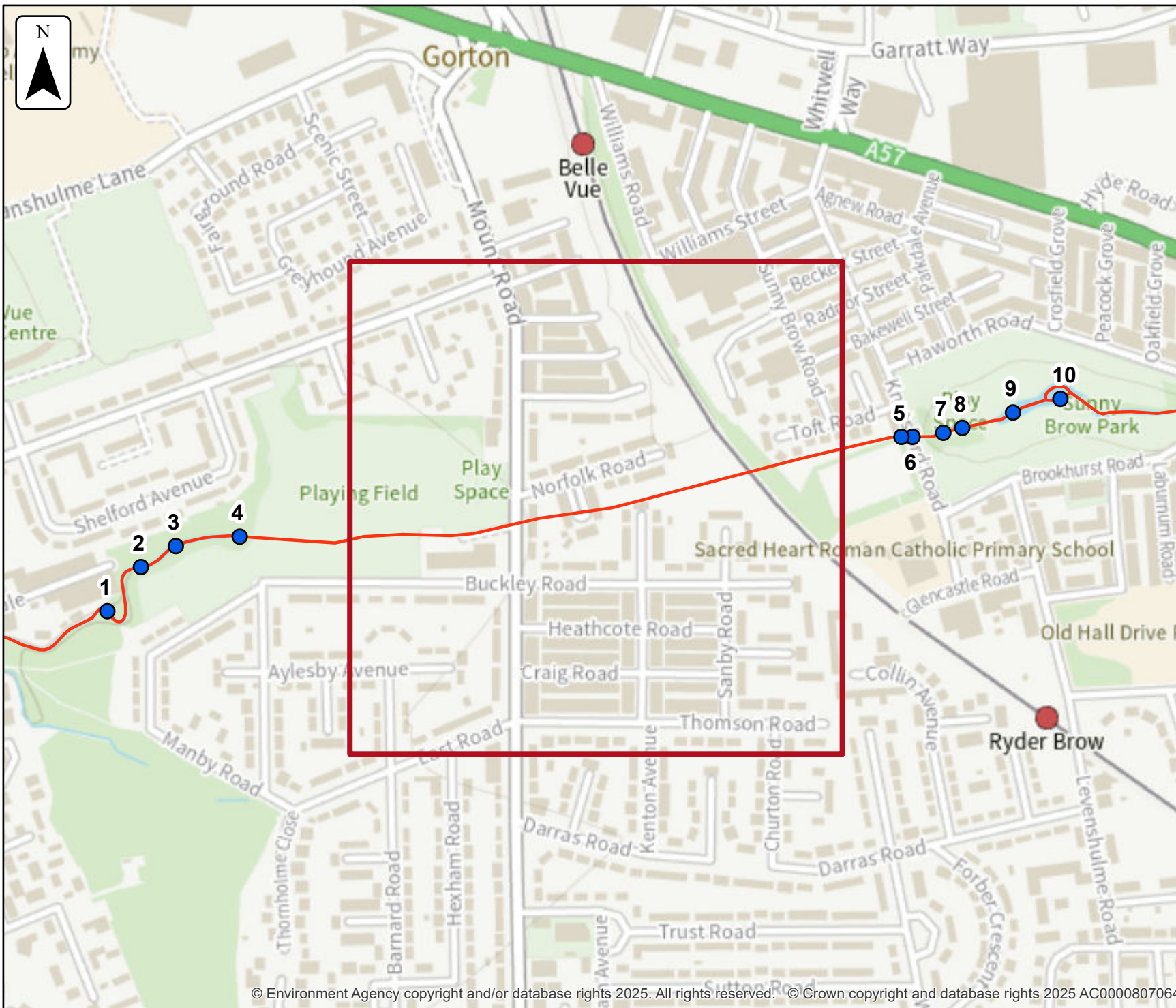
Scale Created
1:10,000 3 Sep 2025

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





Defences removed climate change modelled fluvial node locations

Location (easting/northing)
388149/395767

Scale Created
1:5,000 3 Sep 2025

Model name
**Chorlton Platt Gore
2024**

- 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 (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
				Level	Level	Level	Level
1	1600929	387675	395667	51.40	51.73	52.37	52.78
2	1600886	387708	395710	51.40	51.70	52.37	52.76
3	1600970	387742	395730	51.43	51.75	52.38	52.77
4	1600922	387804	395739	51.47	51.77	52.40	52.80
5	1600986	388445	395836	57.20	57.32	57.64	58.60
6	1600980	388456	395836	57.20	57.32	57.65	58.61
7	1600969	388486	395840	57.22	57.34	57.66	58.62
8	1600852	388504	395845	57.26	57.39	57.70	58.65
9	1600973	388554	395860	57.32	57.43	57.73	58.62
10	1600965	388600	395873	57.33	57.44	57.73	58.58

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	1600929	387675	395667	12.10	12.17	15.95	18.39
2	1600886	387708	395710	13.24	14.48	19.07	24.66
3	1600970	387742	395730	12.39	13.49	17.16	22.06
4	1600922	387804	395739	12.46	13.38	16.02	20.05
5	1600986	388445	395836	12.49	13.44	16.23	20.17
6	1600980	388456	395836	12.49	13.44	14.76	25.93
7	1600969	388486	395840	12.49	13.44	14.76	25.93
8	1600852	388504	395845	9.80	9.80	9.77	18.64
9	1600973	388554	395860	9.62	9.84	11.20	16.54
10	1600965	388600	395873	11.59	12.46	15.40	25.40

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Any blank cells show where a particular scenario has not been modelled for this location.



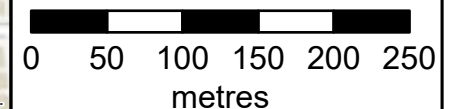
Defences removed modelled fluvial node locations

Location (easting/northing)
388149/395767

Scale Created
1:5,000 3 Sep 2025

Model name
**Chorlton Platt Gore
2024**

-  Selected area
-  Modelled location
-  Main river



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	1600929	387675	395667	49.42	49.59	49.70	49.82	49.88	49.99	50.09	50.25	50.79	52.30
2	1600886	387708	395710	49.74	49.92	50.02	50.13	50.18	50.27	50.34	50.43	50.83	52.29
3	1600970	387742	395730	49.92	50.10	50.20	50.32	50.37	50.45	50.52	50.59	50.90	52.30
4	1600922	387804	395739	50.17	50.35	50.46	50.58	50.63	50.72	50.79	50.85	51.04	52.32
5	1600986	388445	395836	55.18	55.59	55.86	56.12	56.26	56.46	56.62	56.74	56.98	57.57
6	1600980	388456	395836	55.18	55.59	55.86	56.12	56.26	56.46	56.62	56.74	56.98	57.57
7	1600969	388486	395840	55.23	55.62	55.89	56.15	56.29	56.49	56.65	56.76	57.0	57.59
8	1600852	388504	395845	55.22	55.61	55.88	56.14	56.27	56.48	56.64	56.76	57.02	57.61
9	1600973	388554	395860	55.79	55.95	56.13	56.35	56.52	56.75	56.88	56.97	57.13	57.71
10	1600965	388600	395873	55.89	56.03	56.18	56.38	56.54	56.77	56.90	56.98	57.14	57.71

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.

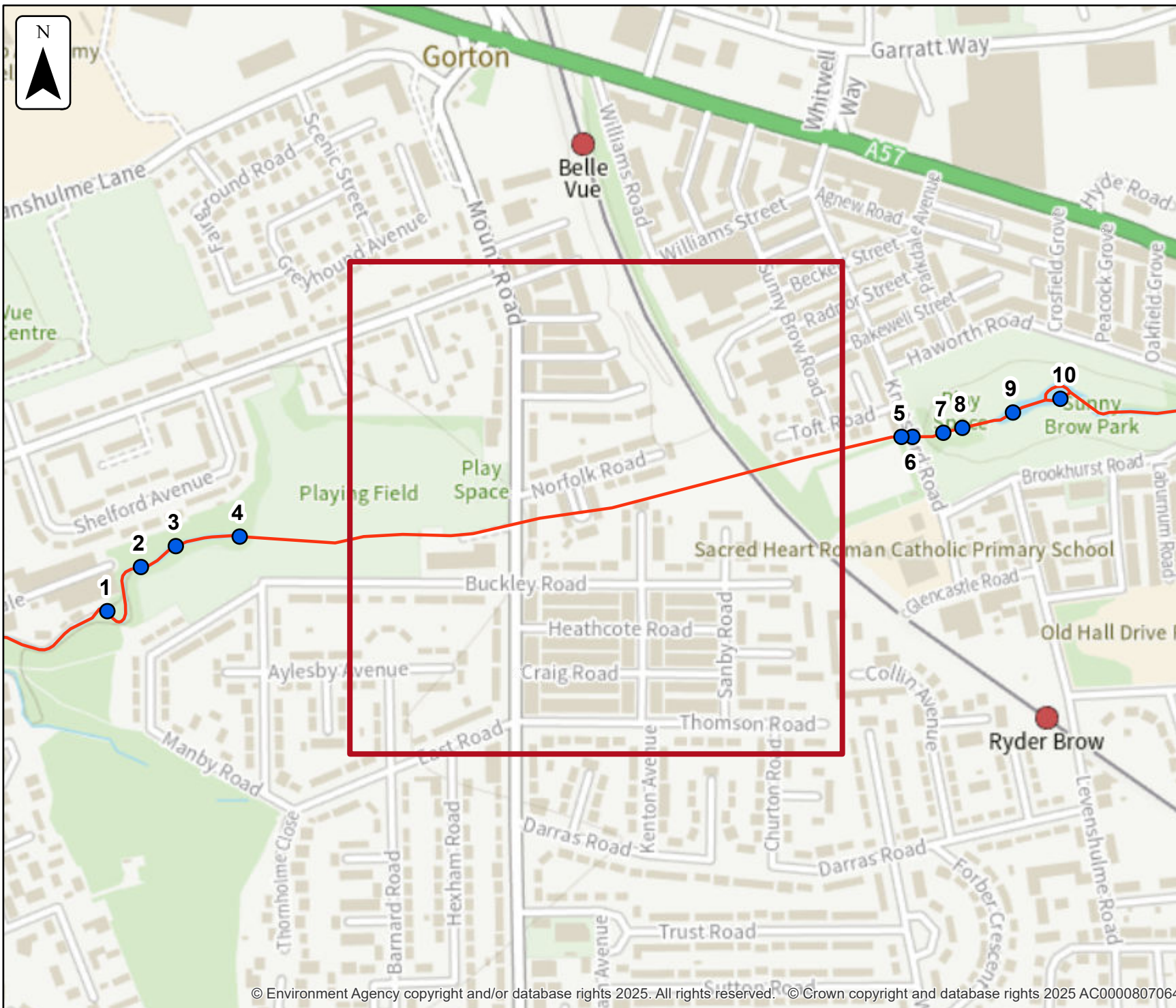
Defences removed

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	1600929	387675	395667	2.93	4.30	5.36	6.55	7.25	8.33	9.26	9.96	11.57	14.70
2	1600886	387708	395710	2.93	4.30	5.37	6.56	7.25	8.34	9.27	10.0	11.64	17.06
3	1600970	387742	395730	2.71	3.98	4.97	6.07	6.72	7.72	8.59	9.29	10.82	16.27
4	1600922	387804	395739	2.71	3.98	4.97	6.07	6.72	7.73	8.59	9.29	10.83	15.54
5	1600986	388445	395836	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.63
6	1600980	388456	395836	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.48
7	1600969	388486	395840	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.48
8	1600852	388504	395845	2.71	3.98	4.97	6.07	6.72	7.73	8.59	9.25	9.80	13.64
9	1600973	388554	395860	2.49	3.65	4.57	5.58	6.18	7.11	7.90	8.46	9.21	10.90
10	1600965	388600	395873	2.49	3.65	4.57	5.58	6.21	7.12	7.92	8.52	10.02	14.48

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.

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Defended climate change modelled fluvial node locations

Location (easting/northing)
388149/395767

Scale Created
1:5,000 3 Sep 2025

Model name
**Chorlton Platt Gore
2024**

- Selected area
- Modelled location
- Main river

0 50 100 150 200 250
metres

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	1600929	387675	395667	49.61	50.23	51.40	51.73	52.37	52.77
2	1600886	387708	395710	49.94	50.41	51.40	51.69	52.37	52.76
3	1600970	387742	395730	50.11	50.58	51.43	51.75	52.38	52.76
4	1600922	387804	395739	50.37	50.84	51.47	51.77	52.40	52.78
5	1600986	388445	395836	55.64	56.72	57.20	57.32	57.63	58.60
6	1600980	388456	395836	55.64	56.72	57.20	57.32	57.64	58.60
7	1600969	388486	395840	55.67	56.75	57.22	57.34	57.66	58.60
8	1600852	388504	395845	55.66	56.74	57.26	57.39	57.70	58.62
9	1600973	388554	395860	55.98	56.96	57.32	57.43	57.73	58.61
10	1600965	388600	395873	56.05	56.97	57.33	57.44	57.73	58.57

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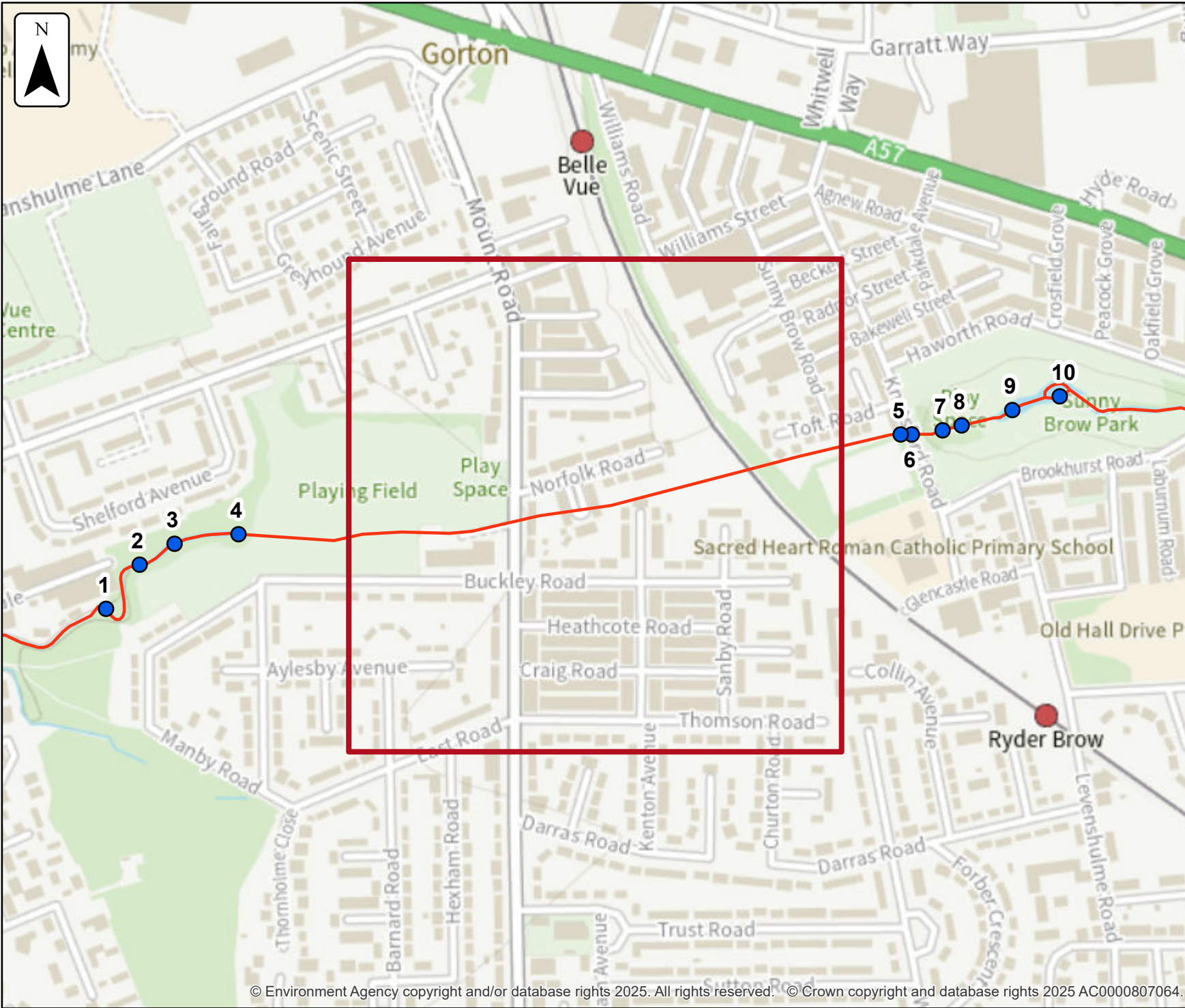
Defended climate change

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	1600929	387675	395667	4.48	9.88	12.10	12.17	16.03	18.34
2	1600886	387708	395710	4.48	9.91	13.24	14.46	18.91	24.39
3	1600970	387742	395730	4.15	9.20	12.39	13.48	17.23	22.09
4	1600922	387804	395739	4.15	9.20	12.46	13.38	16.03	20.03
5	1600986	388445	395836	4.15	9.21	12.49	13.44	16.19	20.16
6	1600980	388456	395836	4.15	9.21	12.49	13.44	14.84	25.31
7	1600969	388486	395840	4.15	9.21	12.49	13.44	14.84	25.31
8	1600852	388504	395845	4.15	9.18	9.80	9.80	9.77	19.40
9	1600973	388554	395860	3.81	8.43	9.62	9.84	11.34	17.53
10	1600965	388600	395873	3.81	8.46	11.59	12.46	15.29	25.05

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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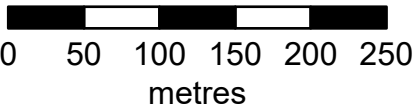
**Defended modelled
fluvial
node locations**

Location (easting/northing)
388149/395767

Scale Created
1:5,000 3 Sep 2025

Model name
**Chorlton Platt Gore
2024**

-  Selected area
-  Modelled location
-  Main river



Modelled node locations data

Defended

Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	5% AEP	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	1600929	387675	395667	49.42	49.59	49.70	49.82	49.88	49.99	50.09	50.25	50.79	52.29
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3	1600970	387742	395730	49.92	50.10	50.20	50.32	50.37	50.45	50.52	50.59	50.90	52.30
4	1600922	387804	395739	50.17	50.35	50.46	50.58	50.63	50.72	50.79	50.85	51.04	52.32
5	1600986	388445	395836	55.18	55.59	55.86	56.12	56.26	56.46	56.62	56.74	56.98	57.57
6	1600980	388456	395836	55.18	55.59	55.86	56.12	56.26	56.46	56.62	56.74	56.98	57.57
7	1600969	388486	395840	55.23	55.62	55.89	56.15	56.29	56.49	56.65	56.76	57.0	57.59
8	1600852	388504	395845	55.22	55.61	55.88	56.14	56.27	56.48	56.64	56.76	57.02	57.61
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10	1600965	388600	395873	55.89	56.03	56.18	56.38	56.54	56.77	56.90	56.98	57.14	57.71

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	1600929	387675	395667	2.93	4.30	5.36	6.55	7.25	8.33	9.26	9.96	11.57	15.93
2	1600886	387708	395710	2.93	4.30	5.37	6.56	7.25	8.34	9.27	10.0	11.64	16.95
3	1600970	387742	395730	2.71	3.98	4.97	6.07	6.72	7.72	8.59	9.29	10.82	15.71
4	1600922	387804	395739	2.71	3.98	4.97	6.07	6.72	7.73	8.59	9.29	10.83	15.53
5	1600986	388445	395836	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.62
6	1600980	388456	395836	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.48
7	1600969	388486	395840	2.71	3.98	4.97	6.07	6.72	7.73	8.60	9.30	10.86	15.48
8	1600852	388504	395845	2.71	3.98	4.97	6.07	6.72	7.73	8.59	9.25	9.80	13.64
9	1600973	388554	395860	2.49	3.65	4.57	5.58	6.18	7.11	7.90	8.46	9.21	10.90
10	1600965	388600	395873	2.49	3.65	4.57	5.58	6.21	7.12	7.92	8.52	10.02	14.52

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 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