Flood risk assessment data

Location of site: 377292 / 402058 (shown as easting and northing coordinates)
Document created on: 27 January 2026
This information was previously known as a product 4.
Customer reference number: 1T3CKV4NC738

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 Salford District.

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

About the models used

Model name: Worsley Brook 2015
Scenario(s): Defended fluvial, no defences exist fluvial, defended climate change fluvial, no defences exist climate change fluvial
Date: 5 May 2015

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 1.

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

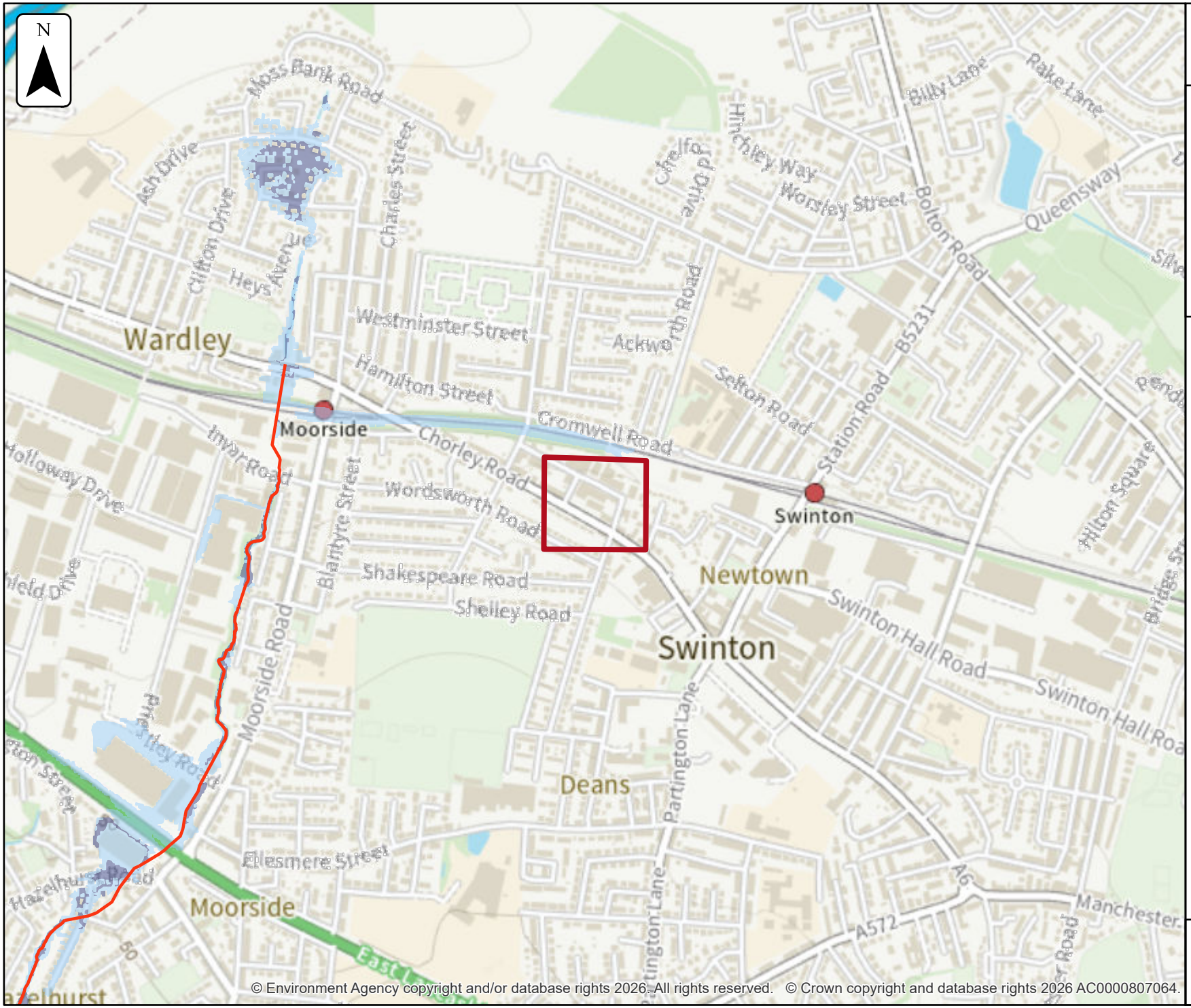
- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

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)
377292/402058

Scale
1:10,000

Created
27 Jan 2026

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

0 100 200 300 400 500
metres

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

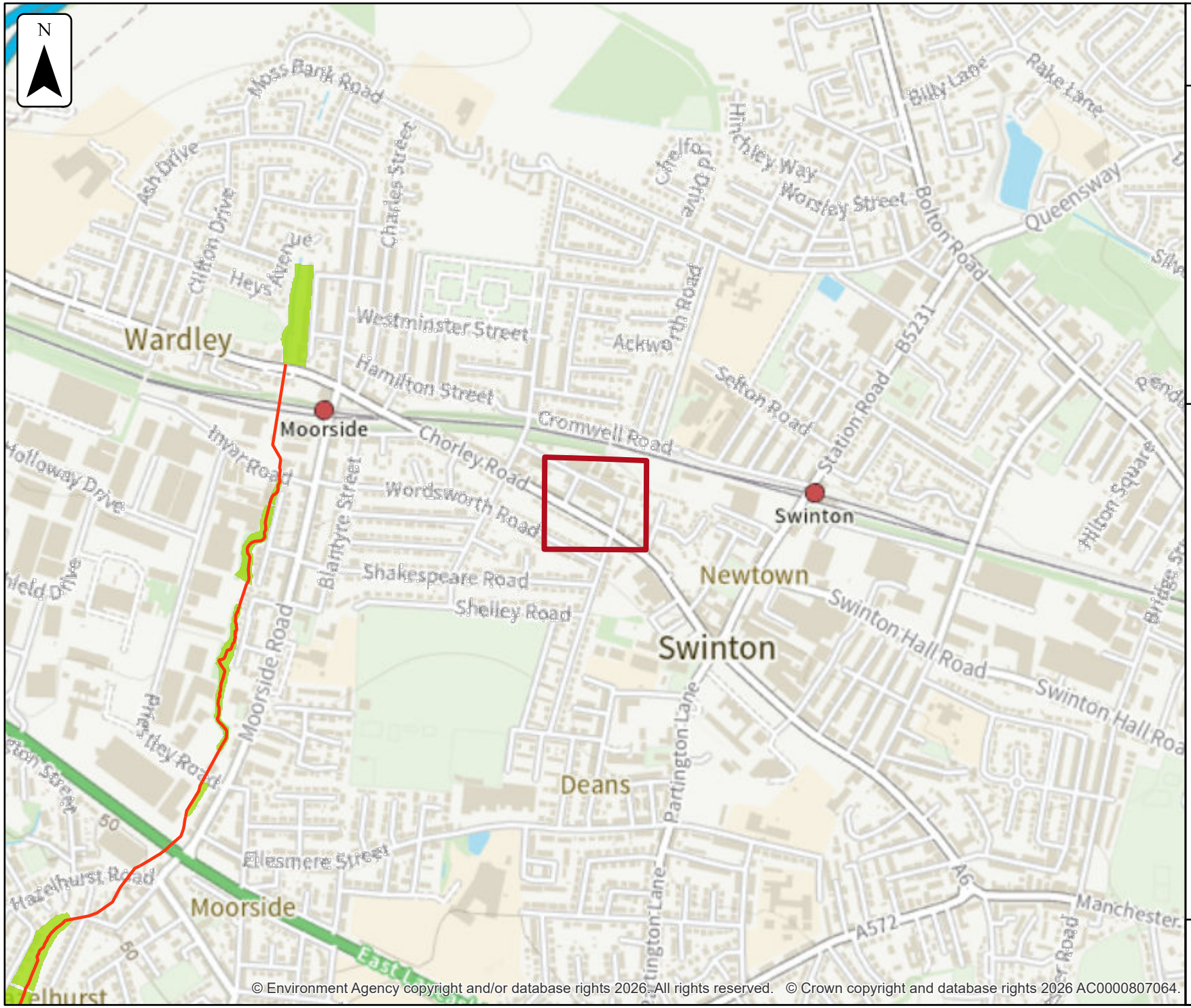
The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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



Environment Agency

Defended climate change modelled fluvial extent

Location (easting/northing)
377292/402058

Scale
1:10,000

Created
27 Jan 2026

Model name
Worsley Brook 2015

Selected area

Main river

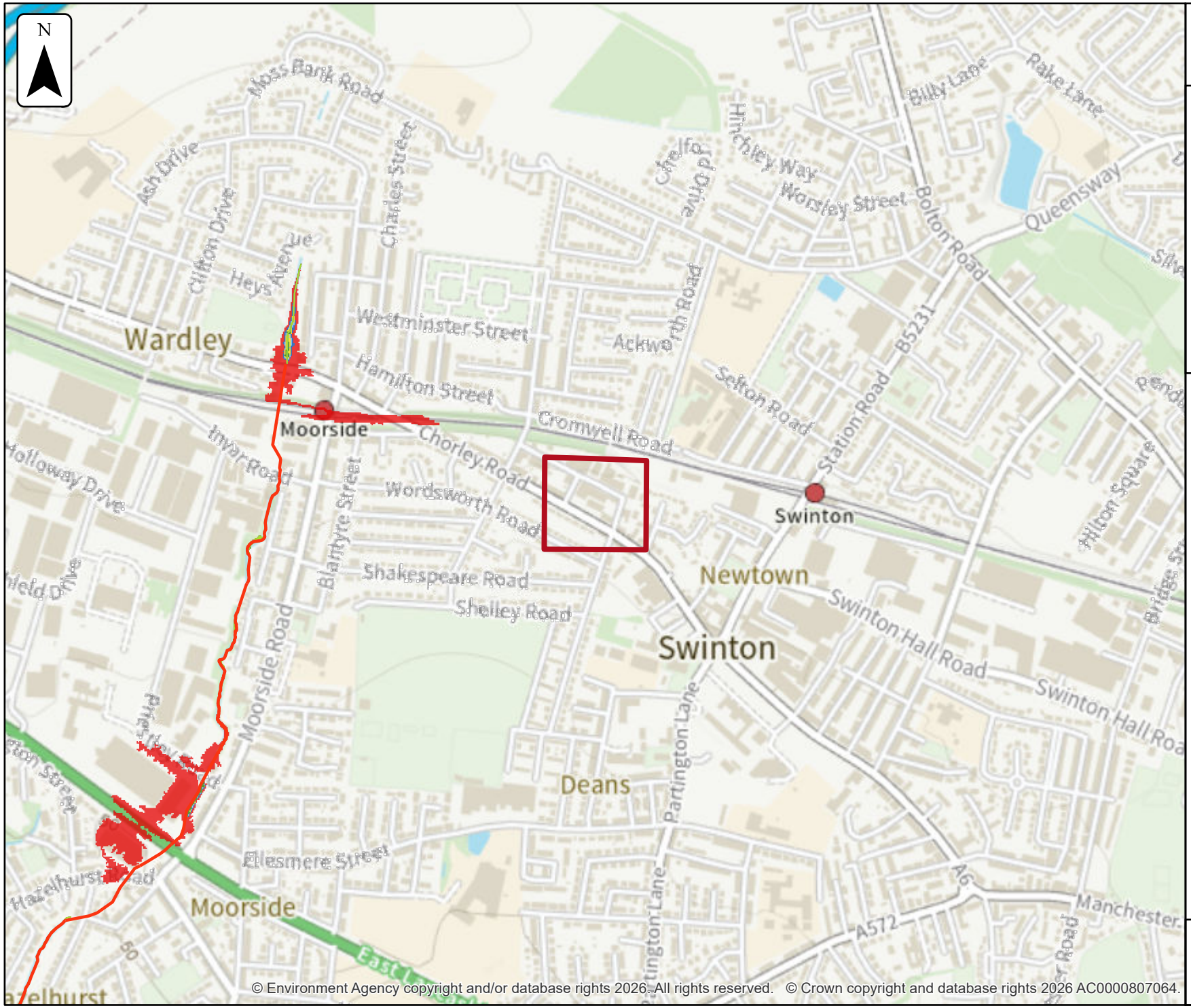
Modelled flood extent

1% AEP (+35%)

1% AEP (+70%)

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

0 100 200 300 400 500
metres



Environment Agency

Defended modelled fluvial extent

Location (easting/northing)
377292/402058

Scale
1:10,000

Created
27 Jan 2026

Model name
Worsley Brook 2015

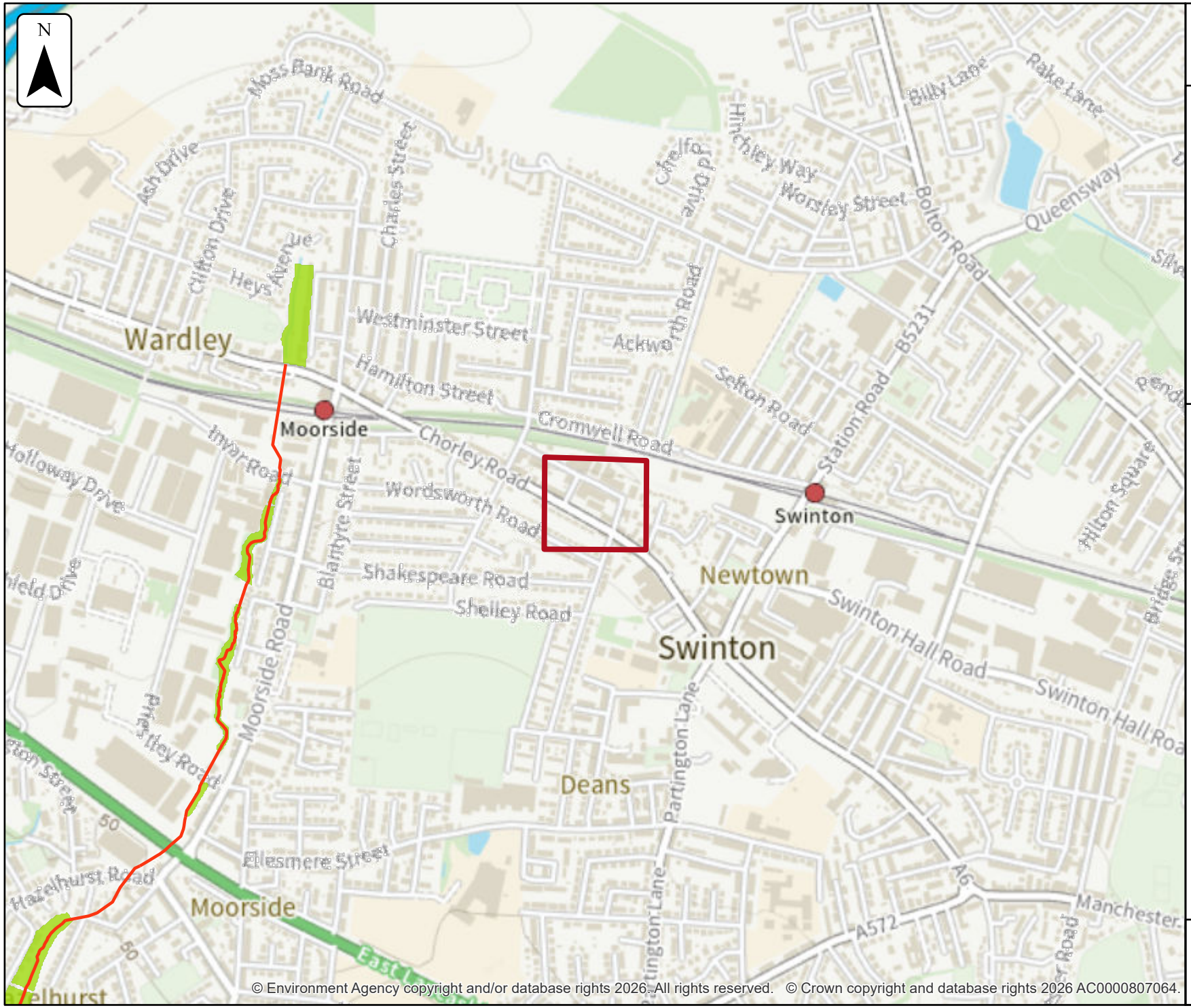
- Selected area
- Main river

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

No defences exist climate change modelled fluvial extent

Location (easting/northing)
377292/402058

Scale
1:10,000

Created
27 Jan 2026

Model name
Worsley Brook 2015

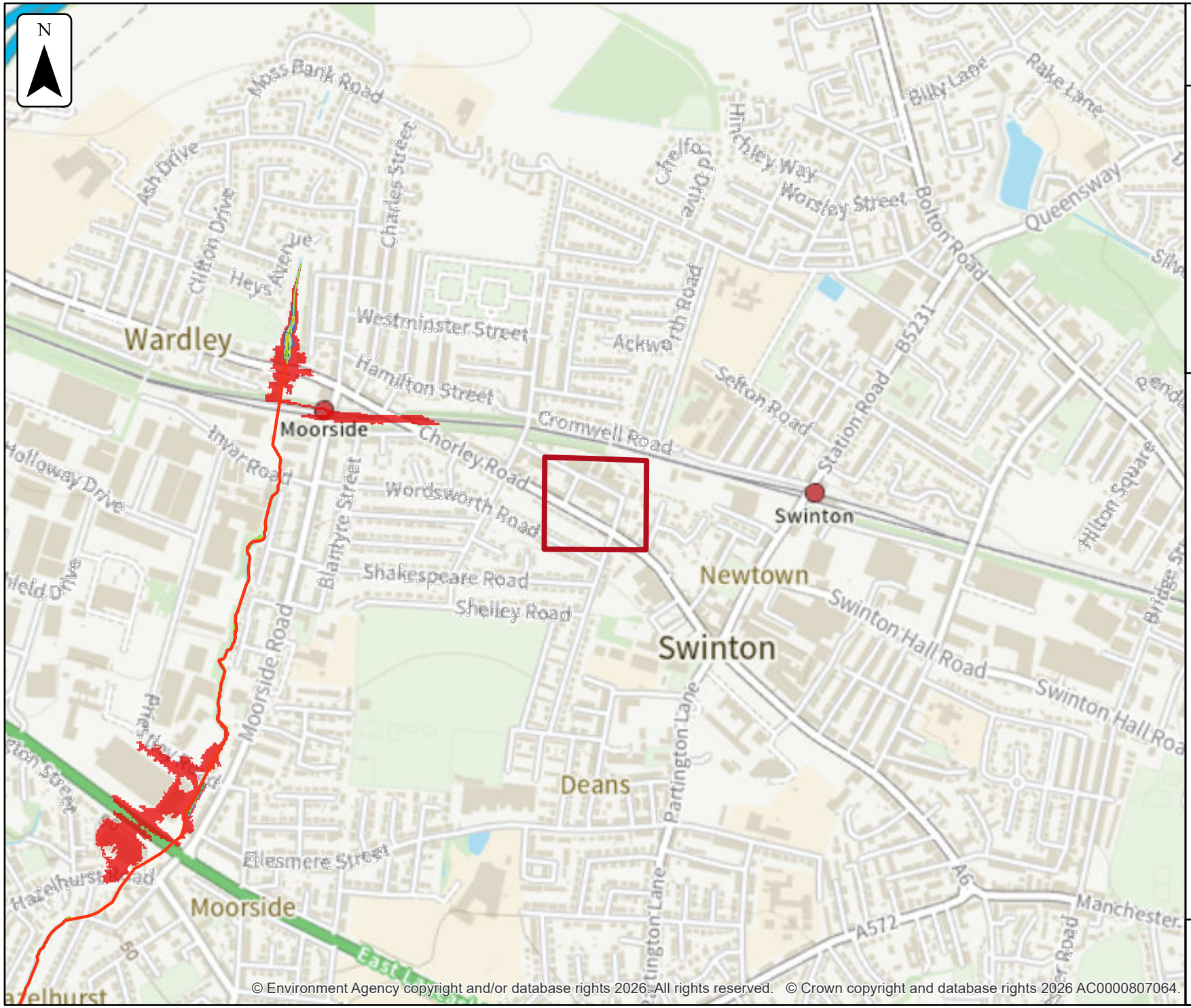
- Selected area
- Main river

Modelled flood extent

- 1% AEP (+35%)
- 1% AEP (+70%)

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

0 100 200 300 400 500
metres



Environment Agency

No defences exist modelled fluvial extent

Location (easting/northing)
377292/402058

Scale
1:10,000

Created
27 Jan 2026

Model name
Worsley Brook 2015

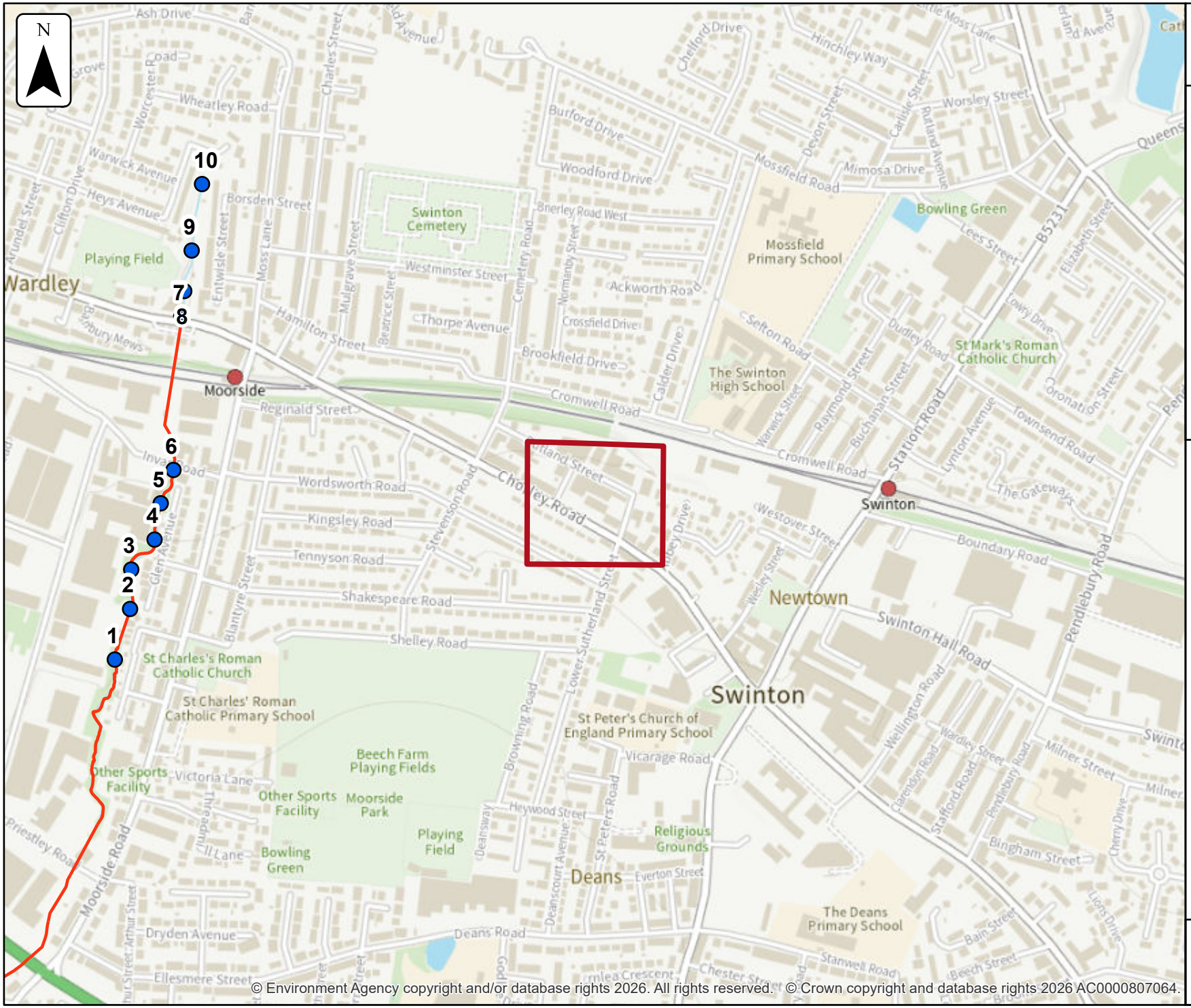
- Selected area
- Main river

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



Modelled node locations data

Defended

Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	6.67% AEP	5% AEP	4% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.2% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1686775	376591	401831	58.65	58.68	58.73	58.77	58.80	58.82	58.84	58.86	58.88	58.90	58.92	58.97	59.03	59.07
2	1686703	376614	401905	61.42	61.45	61.51	61.56	61.61	61.64	61.67	61.71	61.74	61.78	61.81	61.88	61.99	62.10
3	1686783	376615	401962	63.12	63.14	63.17	63.20	63.21	63.22	63.22	63.23	63.23	63.23	63.24	63.25	63.27	63.27
4	1686782	376649	402006	65.38	65.40	65.44	65.47	65.48	65.49	65.50	65.51	65.52	65.53	65.54	65.56	65.59	65.61
5	1686762	376658	402059	67.64	67.64	67.64	67.65	67.66	67.67	67.68	67.69	67.69	67.70	67.71	67.72	67.74	67.75
6	1686728	376677	402108	69.94	69.94	69.97	69.99	70.01	70.02	70.04	70.06	70.07	70.05	70.07	70.08	70.10	70.10
7	1686765	376688	402332	77.19	77.23	77.31	77.39	77.47	77.55	77.62	77.78	78.51	79.32	79.80	80.77	81.96	82.65
8	1686759	376693	402369	78.05	78.05	78.05	78.05	78.05	78.05	78.05	78.05	78.51	79.32	79.80	80.77	81.96	82.65
9	1686668	376704	402428	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.07	80.08	80.10	80.77	81.96	82.65
10	1686685	376719	402525	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.54	82.57	82.61	82.69	82.80	82.89

Data in this table comes from the Worsley Brook 2015 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	6.67% AEP	5% AEP	4% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.2% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1686775	376591	401831	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03	1.08	1.22	1.44	1.64
2	1686703	376614	401905	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.13	1.31	1.47
3	1686783	376615	401962	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.09	1.24	1.38
4	1686782	376649	402006	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.04	1.18	1.30
5	1686762	376658	402059	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.08	1.17
6	1686728	376677	402108	0.01	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
7	1686765	376688	402332	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.01
8	1686759	376693	402369	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01
9	1686668	376704	402428	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.01
10	1686685	376719	402525	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.23

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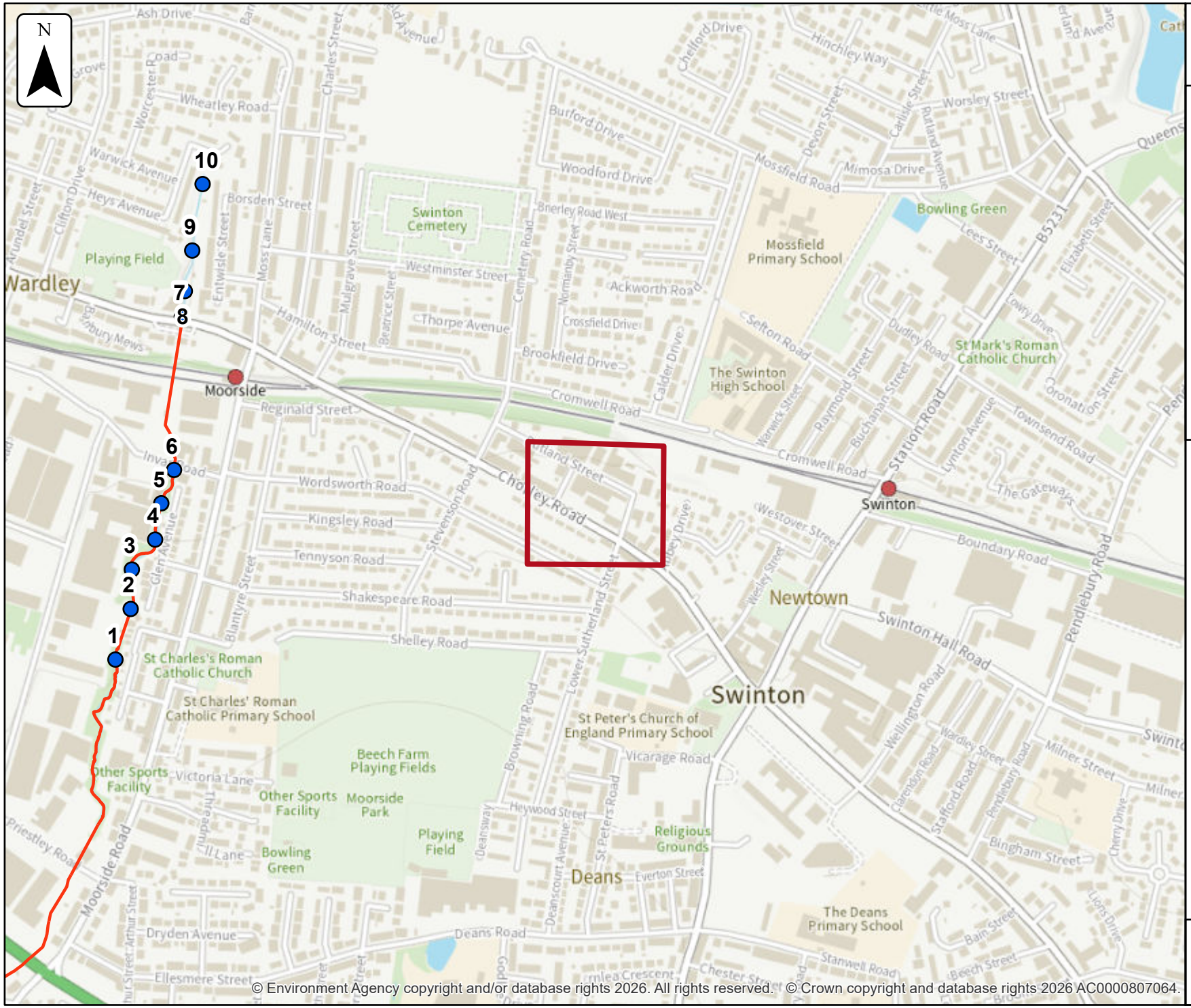

Environment Agency

No defences exist modelled fluvial node locations

Location (easting/northing)
377292/402058

Scale
1:7,500

Created
27 Jan 2026

Model name
Worsley Brook 2015

- Selected area
- Modelled location
- Main river

0 100 200 300
metres

Modelled node locations data

No defences exist

Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	6.67% AEP	5% AEP	4% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.2% AEP	0.1% AEP
				Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level	Level
1	1686775	376591	401831	58.65	58.68	58.73	58.77	58.80	58.82	58.84	58.86	58.88	58.90	58.92	58.97	59.03	59.07
2	1686703	376614	401905	61.42	61.45	61.51	61.56	61.61	61.64	61.67	61.71	61.74	61.78	61.81	61.88	61.99	62.10
3	1686783	376615	401962	63.12	63.14	63.17	63.20	63.21	63.22	63.22	63.23	63.23	63.23	63.24	63.25	63.27	63.27
4	1686782	376649	402006	65.38	65.40	65.44	65.47	65.48	65.49	65.50	65.51	65.52	65.53	65.54	65.56	65.59	65.61
5	1686762	376658	402059	67.64	67.64	67.64	67.65	67.66	67.67	67.68	67.69	67.69	67.70	67.71	67.72	67.74	67.75
6	1686728	376677	402108	69.94	69.94	69.97	69.99	70.01	70.02	70.04	70.06	70.07	70.05	70.07	70.08	70.10	70.10
7	1686765	376688	402332	77.19	77.23	77.31	77.39	77.47	77.55	77.62	77.78	78.51	79.32	79.80	80.77	81.96	82.65
8	1686759	376693	402369	78.05	78.05	78.05	78.05	78.05	78.05	78.05	78.05	78.51	79.32	79.80	80.77	81.96	82.65
9	1686668	376704	402428	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.06	80.07	80.08	80.10	80.77	81.96	82.65
10	1686685	376719	402525	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.51	82.54	82.57	82.61	82.69	82.80	82.89

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Level values are shown in mAOD, and flow values are shown in cubic metres per second.
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No defences exist

Label	Modelled location ID	Easting	Northing	50% AEP	20% AEP	10% AEP	6.67% AEP	5% AEP	4% AEP	3.33% AEP	2.5% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.2% AEP	0.1% AEP
				Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
1	1686775	376591	401831	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.03	1.08	1.22	1.44	1.64
2	1686703	376614	401905	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.02	1.13	1.31	1.47
3	1686783	376615	401962	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.09	1.24	1.38
4	1686782	376649	402006	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.04	1.18	1.30
5	1686762	376658	402059	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.08	1.17
6	1686728	376677	402108	0.01	0.01	0.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01
7	1686765	376688	402332	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.01
8	1686759	376693	402369	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01
9	1686668	376704	402428	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.01
10	1686685	376719	402525	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.01	1.01	1.23

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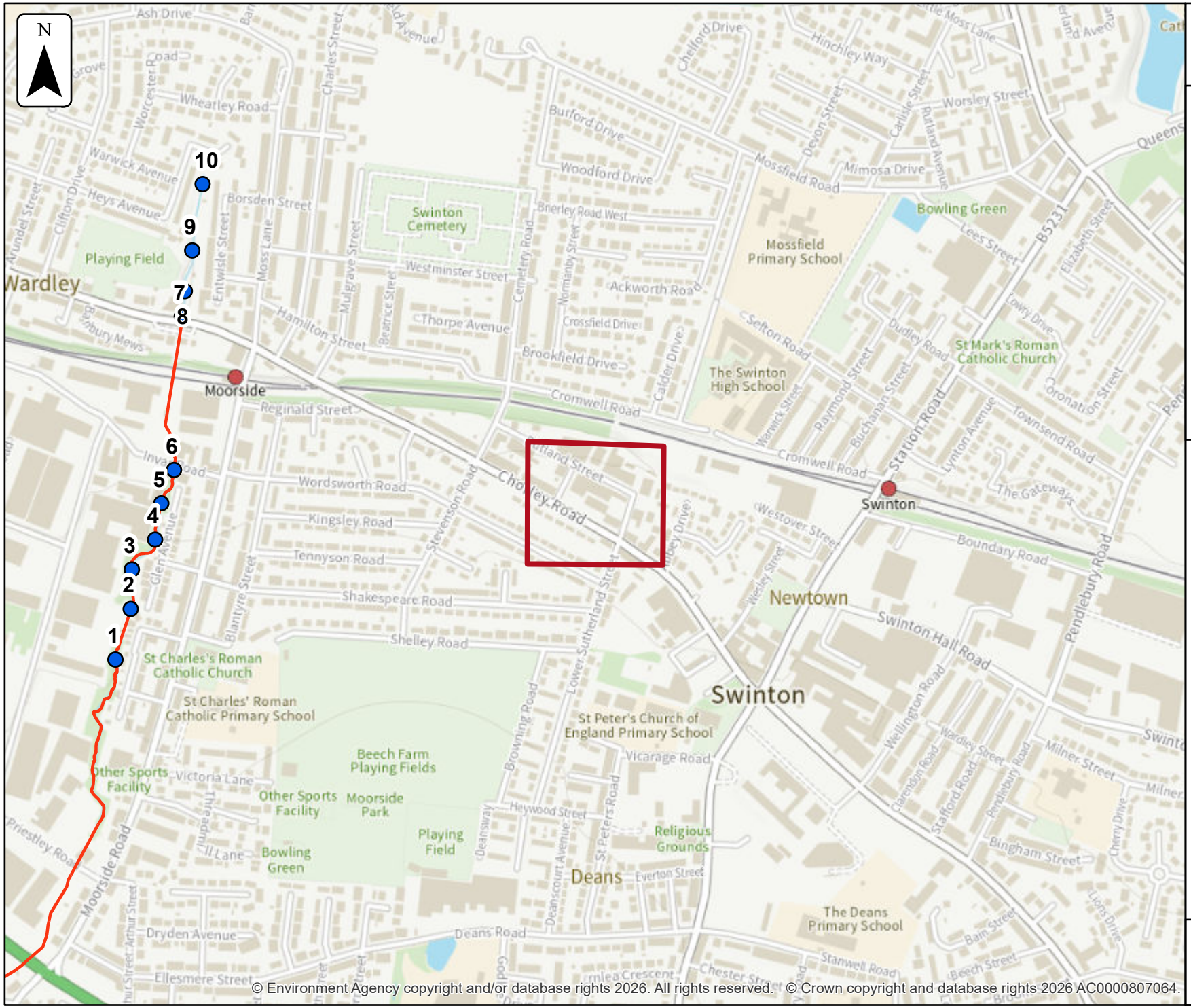

Environment Agency

Defended climate change modelled fluvial node locations

Location (easting/northing)
377292/402058

Scale
1:7,500

Created
27 Jan 2026

Model name
Worsley Brook 2015

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+35%)	1% AEP (+70%)
				Level	Level	Flow	Flow
1	1686775	376591	401831	58.96	59.0	1.20	1.33
2	1686703	376614	401905	61.87	61.93	1.12	1.22
3	1686783	376615	401962	63.25	63.25	1.07	1.16
4	1686782	376649	402006	65.55	65.57	1.03	1.10
5	1686762	376658	402059	67.71	67.72	1.01	1.02
6	1686728	376677	402108	70.08	70.09	1.01	1.01
7	1686765	376688	402332	80.66	81.31	1.01	1.01
8	1686759	376693	402369	80.66	81.31	0.01	0.01
9	1686668	376704	402428	80.66	81.31	1.01	1.01
10	1686685	376719	402525	82.68	82.75	1.01	1.01

Data in this table comes from the Worsley Brook 2015 model.
Level values are shown in mAOD, and flow values are shown in cubic metres per second.
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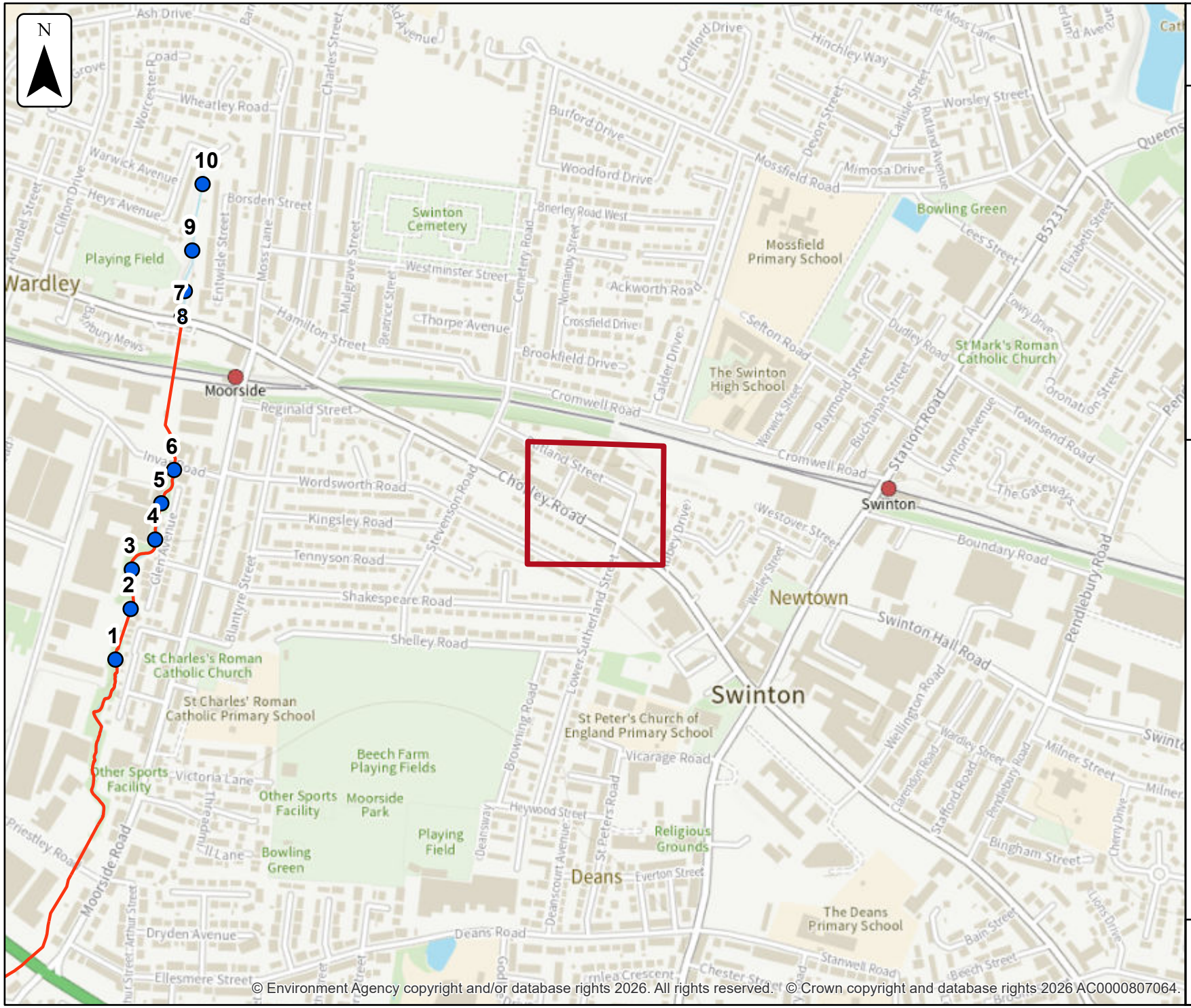

Environment Agency

No defences exist climate change modelled fluvial node locations

Location (easting/northing)
377292/402058

Scale
1:7,500

Created
27 Jan 2026

Model name
Worsley Brook 2015

Modelled node locations data

No defences exist climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+35%)	1% AEP (+70%)	1% AEP (+35%)	1% AEP (+70%)
				Level	Level	Flow	Flow
1	1686775	376591	401831	58.96	59.0	1.20	1.33
2	1686703	376614	401905	61.87	61.93	1.12	1.22
3	1686783	376615	401962	63.25	63.25	1.07	1.16
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5	1686762	376658	402059	67.71	67.72	1.01	1.02
6	1686728	376677	402108	70.08	70.09	1.01	1.01
7	1686765	376688	402332	80.67	81.31	1.01	1.01
8	1686759	376693	402369	80.67	81.31	0.01	0.01
9	1686668	376704	402428	80.67	81.31	1.01	1.01
10	1686685	376719	402525	82.68	82.75	1.01	1.01

Data in this table comes from the Worsley Brook 2015 model.
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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 Salford 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