

Flood risk assessment data



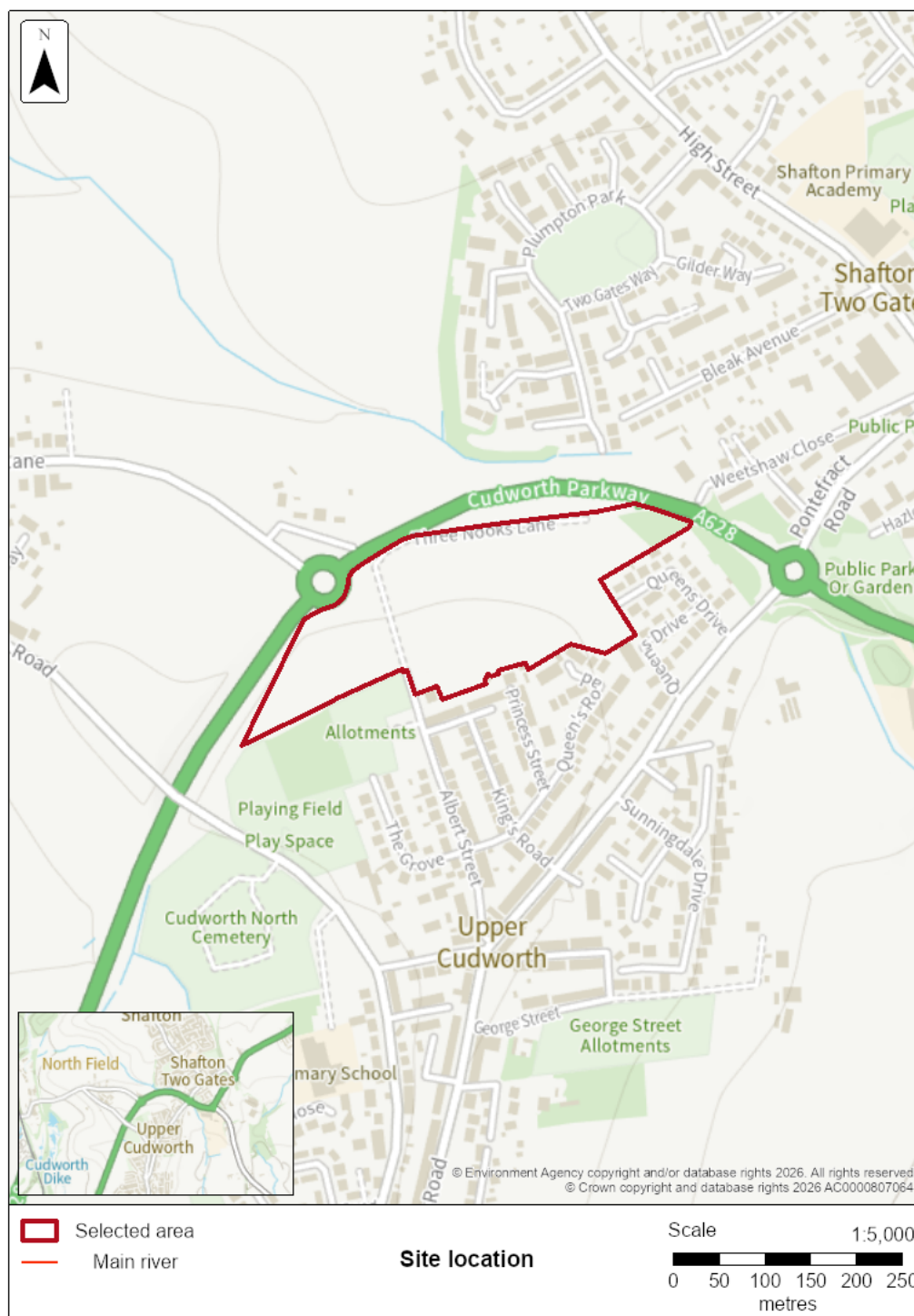
Location of site: 439026 / 410319 (shown as easting and northing coordinates)

Document created on: 14 April 2026

This information was previously known as a product 4.

Customer reference number: EXJB7B9GDB11

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
- definitions for the terminology used throughout
- flood map for planning (rivers and the sea)
- past floods
- 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:

- flood defences and attributes
- modelled data
- climate change modelled data

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

There is not any modelled data available for this location. This is because detailed modelling hasn't been carried out in this area.

There is not any modelled climate change data for this location. This is because detailed modelling hasn't been carried out in this area. You will need to consider the [latest flood risk assessment climate change allowances](#) and factor in the new allowances to demonstrate the development will be safe from flooding.

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 Barnsley District.

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

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 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



Flood map for planning

Location (easting/northing)
439026/410319

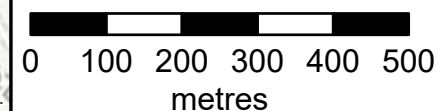
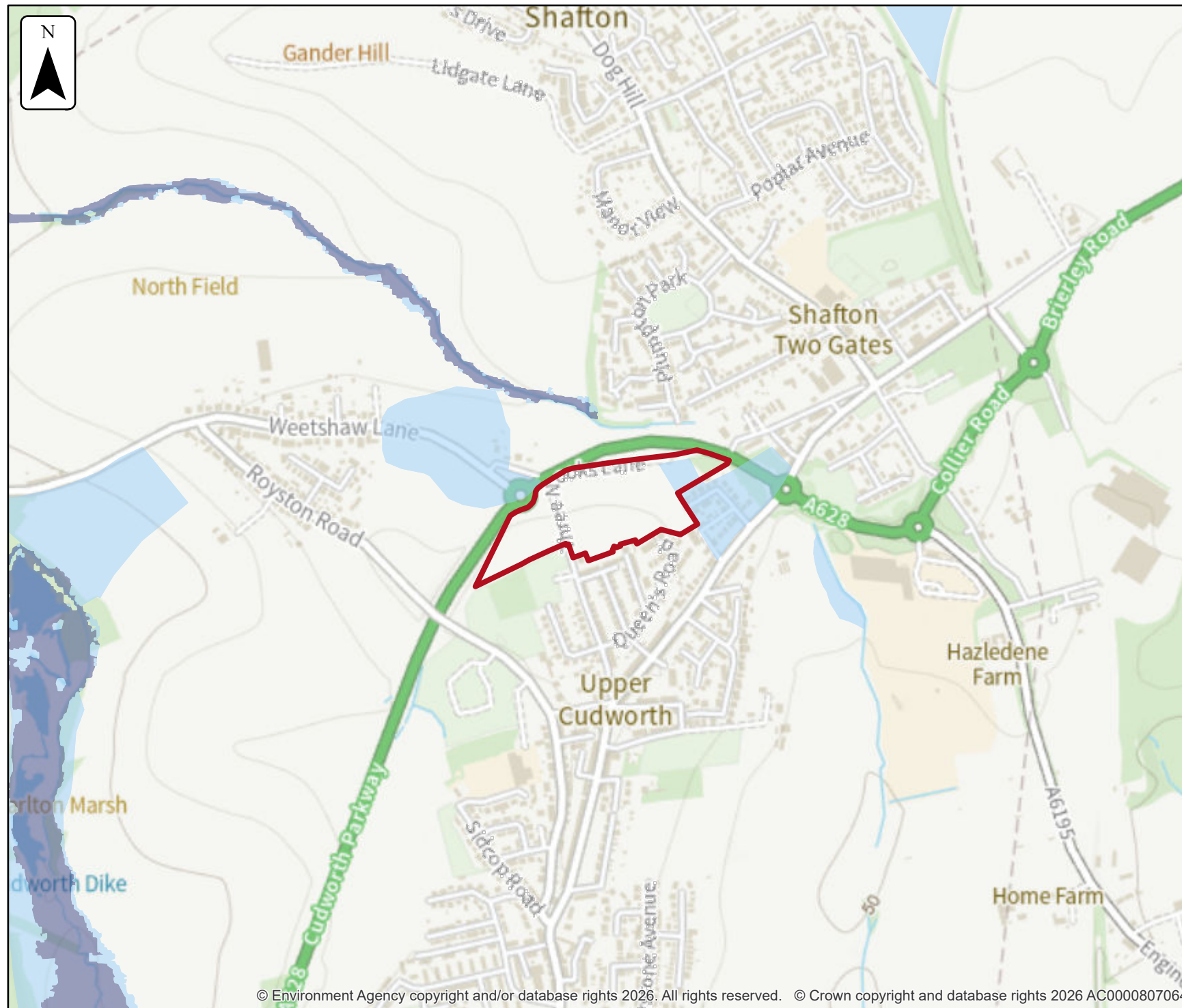
Scale

1:10,000

Created

14 Apr 2026

-  Selected area
-  Flood Zone 3
-  Flood Zone 2



Past floods

Past flood events included in this document

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

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

Data limitations

The outlines do not include flooding from:

- drainage where rainfall has led to surface water ponding or overland runoff
- artificial, water-bearing sewer, water supply and wastewater treatment pipelines

Changes to flood defences

The defences (also known as assets) that were in place may also have changed. For example, assets may have been built more recently than the last recorded flood outline.

What the recorded flood outlines dataset is

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

- rivers
- the sea
- groundwater
- surface water

[Download the complete recorded flood outlines dataset](#), which includes data quality flags for outlines recorded after April 2020. This indicates the confidence we have in an outline.

Get flood information from other organisations

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



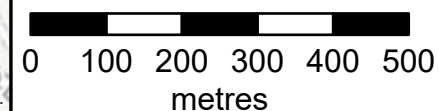
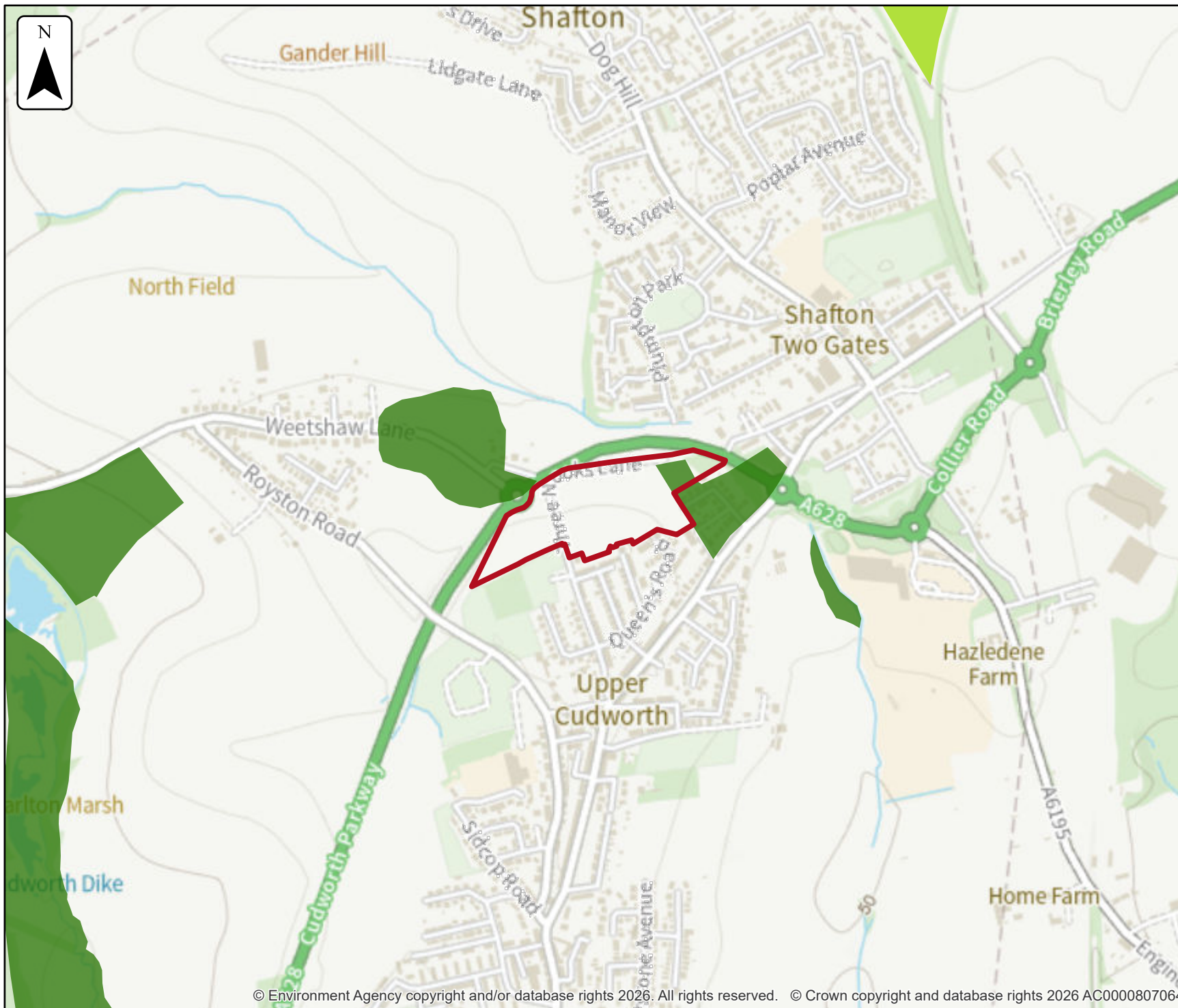
Past floods

Location (easting/northing)
439026/410319

Scale
1:10,000

Created
14 Apr 2026

-  Selected area
-  Main river
- Date of flood event
 -  June, 2007
 -  March, 1947



Data on past flood events

Start date	End date	Source of flood	Cause of flood	Affects location
25 June 2007	26 June 2007	unknown	unknown	No
19 March 1947	22 March 1947	ordinary watercourse	channel capacity exceeded (no raised defences)	Yes

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 Barnsley 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.

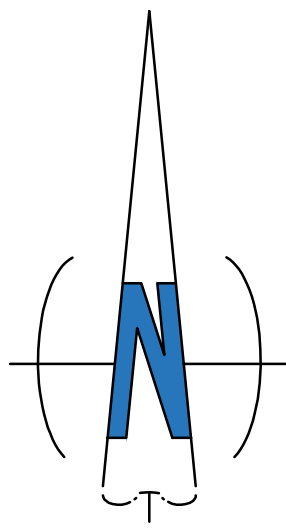
[Find out more about flood risk activity permits](#)

Help and advice

Contact the Yorkshire Environment Agency team at neyorkshire@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

APPENDIX I – Preliminary Site Levels



NOTES:

1. This drawing is to be read in conjunction with all other relevant architect's, engineer's and specialist's drawings together with the appropriate specification.

KEY	
—	DEVELOPMENT BOUNDARY
—	MAJOR CONTOUR (100mm)
—	MINOR CONTOUR 25mm
+ 80.000	FINISHED FLOOR LEVEL
(1500)	KING POST RETAINING WALL & RETAINED HEIGHT
(1500)	REINFORCED EARTH RETAINING WALL & RETAINED HEIGHT
(1500)	REINFORCED MASONRY RETAINING WALL & RETAINED HEIGHT

JB	P3	PLANNING ISSUE	19/05/26
JB	P2	PLANNING ISSUE	08/05/26
JB	P1	FIRST ISSUE	01/03/26
Checked	Revisions	Description	Date

Client

FENWOOD ESTATES

Job Title

LAND OFF CUDWORTH PARKWAY
BARNLEY

BRIGHT
YOUNG

The Media Centre, 7 Northumberland Street, Huddersfield, HD1 1RL

Email: info@brightyoung.co.uk
Web: www.brightyoung.co.uk

Consulting Limited Tel: 01484 487950
Fax: 01484 603519

Drawing Title

PRELIMINARY LEVELS
ASSESSMENT
OVERVIEW

Scale 1:500	Date MARCH 26	Drawn ARJ	Checked JB
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Drg No. BYC/XX/XX/DR/C/0600	Rev P3
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LAND OFF CUDWORTH PARKWAY BARNSELY			
BRIGHT YOUNG The Media Centre, 7 Northumberland Street, Huddersfield, HD1 1RL Email: info@brightyoung.co.uk Web: www.brightyoung.co.uk Consulting Limited Tel: 01484 487950 Fax: 01484 603519			
Drawing Title			
PRELIMINARY LEVELS ASSESSMENT SHEET 1			
Scale 1:250	Date MARCH 26	Drawn ARJ	Checked JB
Drg No. BYC/XX/XX/DR/C/0601		Rev P3	