# Flood risk assessment data



Location of site: 297391 / 517463 (shown as easting and northing coordinates)

Document created on: 28 July 2023

This information was previously known as a product 4.

Customer reference number: 9EH9MUDUUWK4

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)
- historic flooding
- 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

#### Not included in this document

This document does not include a Flood Defence Breach Hazard Map.

If your location has a reduced flood risk from rivers and sea because of defences, you need to request a Flood Defence Breach Hazard Map and information about the level of flood protection offered at your location from the Cumbria and Lancashire Environment Agency team at <a href="mailto:inforequests.cmblnc@environment-agency.gov.uk">inforequests.cmblnc@environment-agency.gov.uk</a>. This information will only be available if modelling has been carried out for breach scenarios.

Include a site location map in your request.

### Surface water and other sources of flooding

Use the <u>long term flood risk service</u> to find out about the risk of flooding from:

- surface water
- ordinary watercourses
- reservoirs

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

#### About the models used

Model name: Pow Beck 2012

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

defences removed climate change fluvial

Date: 5 March 2013

Model name: Whitehaven\_Tidal 2012

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

defences removed climate change tidal

Date: 1 July 2013

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

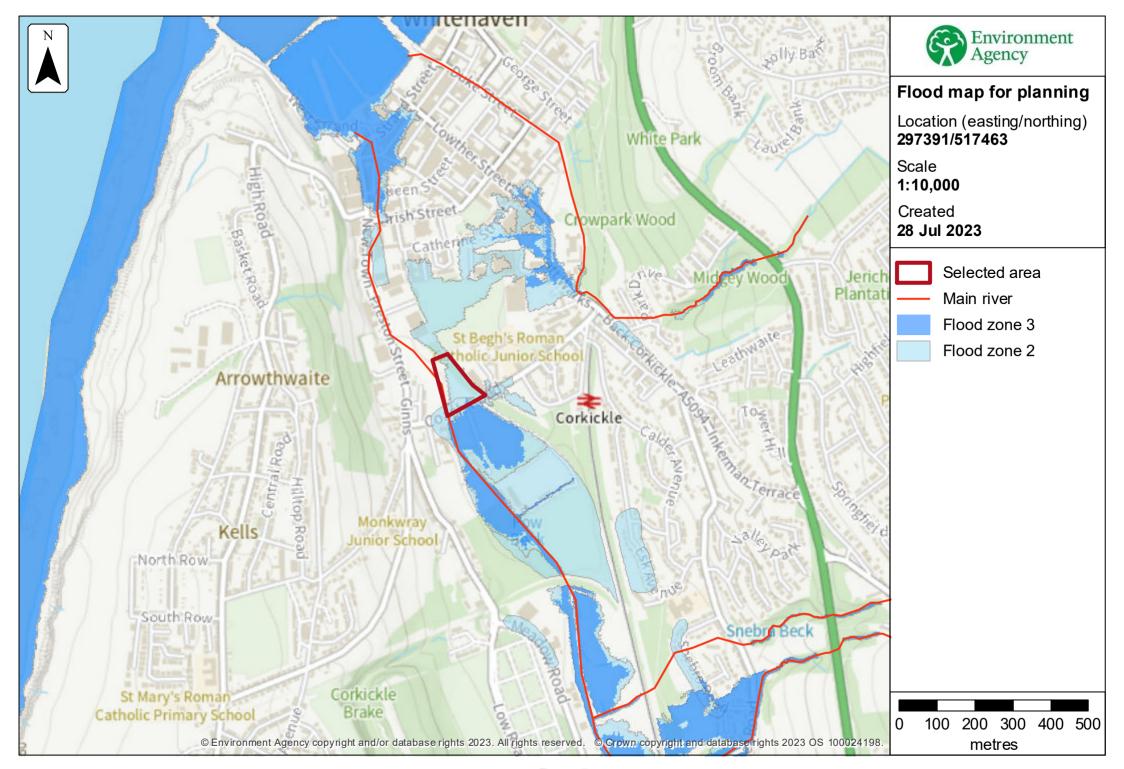
Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- 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

This data is updated on a quarterly basis as better data becomes available.



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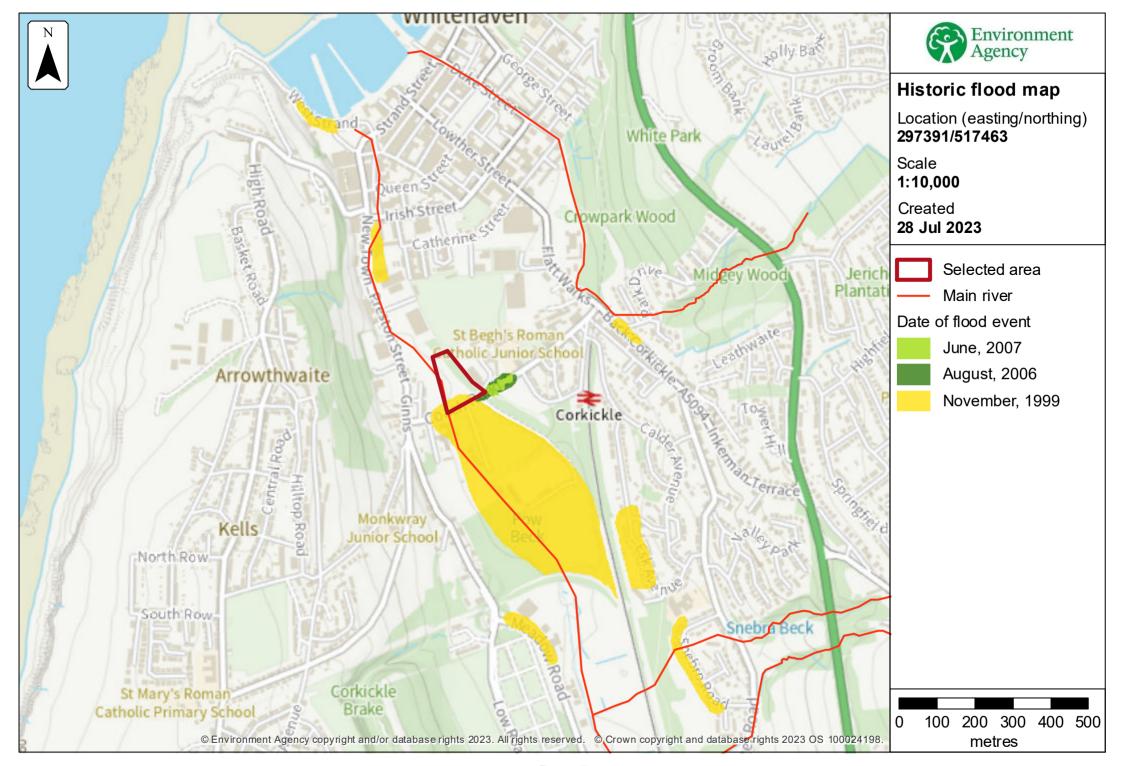
## **Historic flooding**

This map is an indicative outline of areas that have previously flooded. Remember that:

- our records are incomplete, so the information here is based on the best available data
- it is possible not all properties within this area will have flooded
- other 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 also 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.

Download recorded flood outlines in GIS format



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## Historic flood event data

Start date	End date	Source of flood	Cause of flood	Affects location
12 June 2007	12 June 2007	drainage	local drainage/surface water	Yes
11 August 2006	11 August 2006	main river	unknown	Yes
5 November 1999	5 November 1999	main river	channel capacity exceeded (no raised defences)	Yes

#### Flood defences and attributes

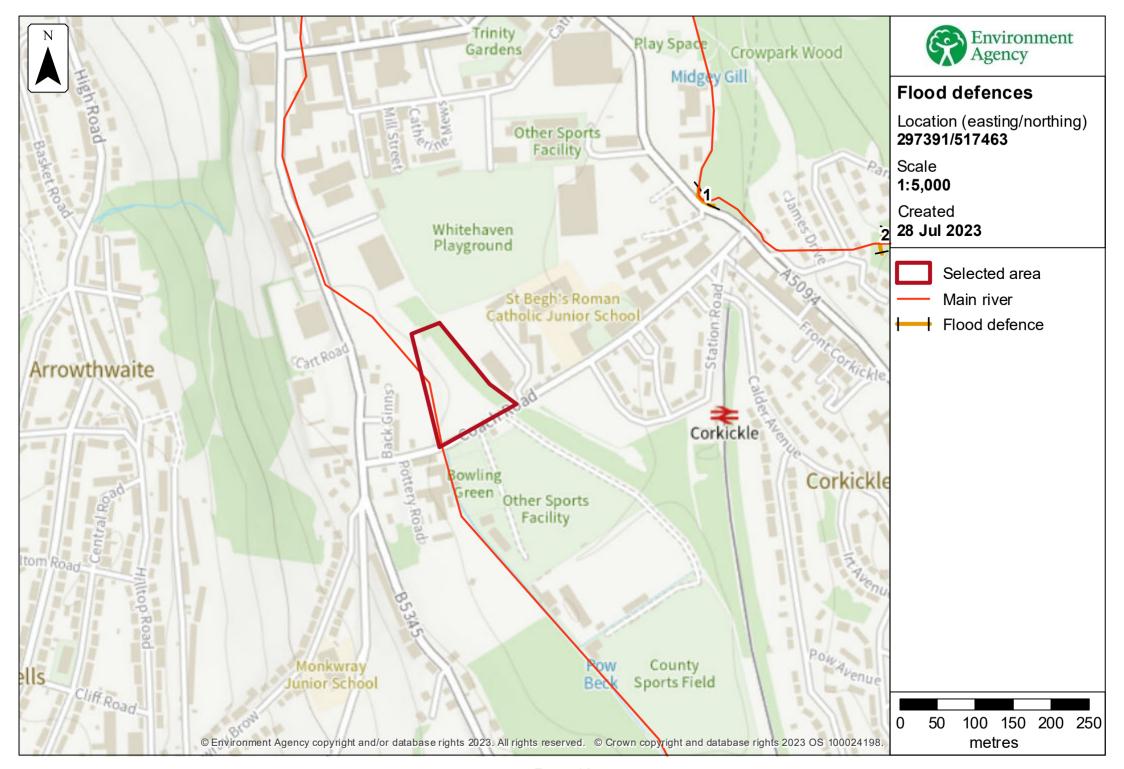
The flood defences map shows the location of the flood defences present.

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



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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	94578	Wall	20	Fair	17.58	18.54	17.58
2	179305	Embankment	20	Fair	38.77	38.24	38.24

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

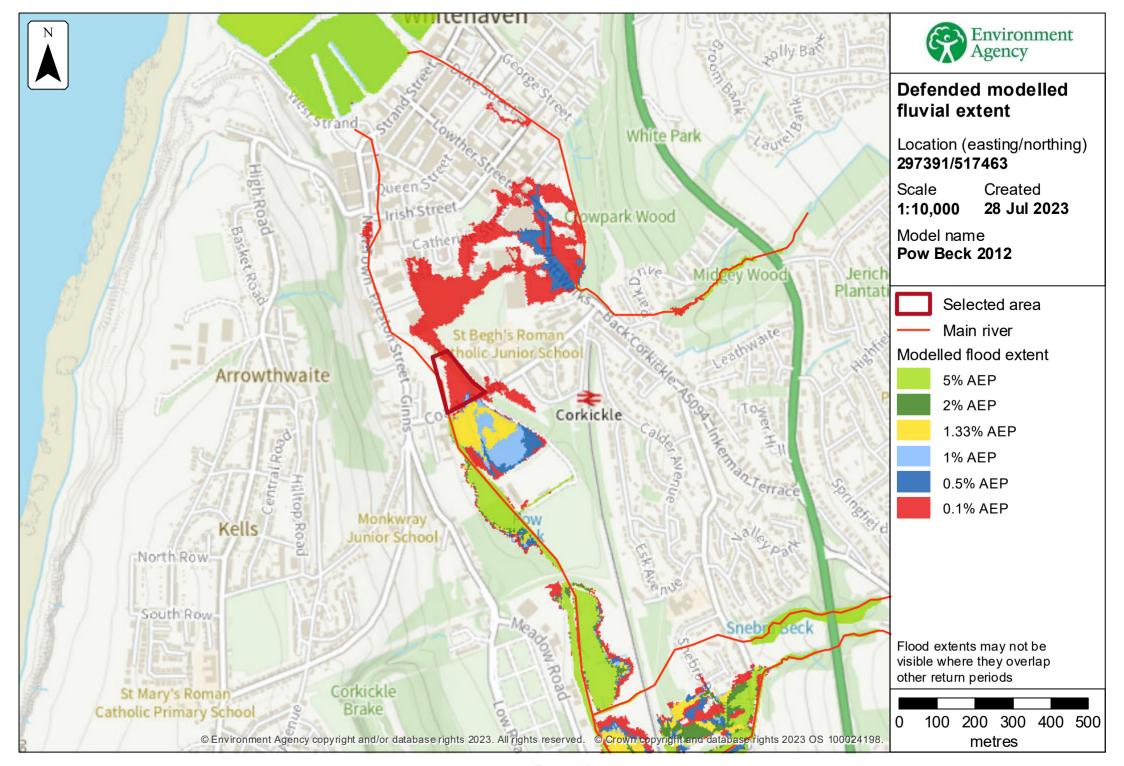
The climate change data included in the models may not include the latest <u>flood risk</u> <u>assessment climate change allowances</u>. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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.

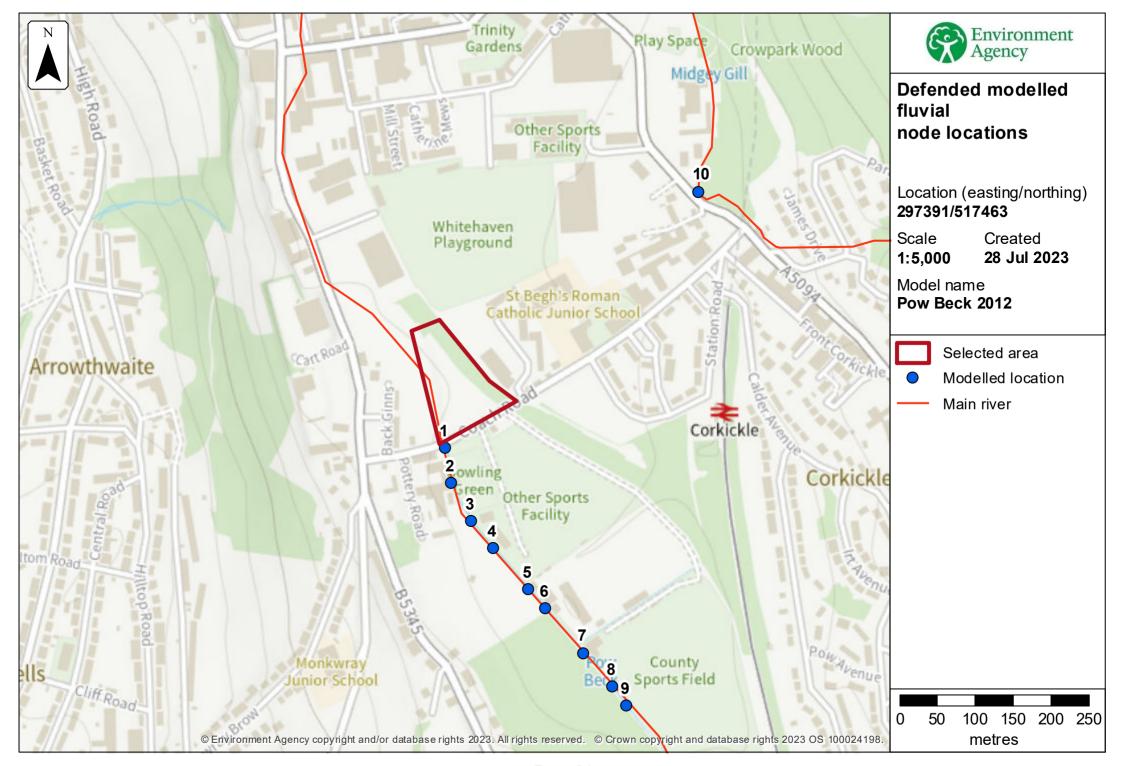
#### **Modelled scenarios**

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



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## Modelled node locations data

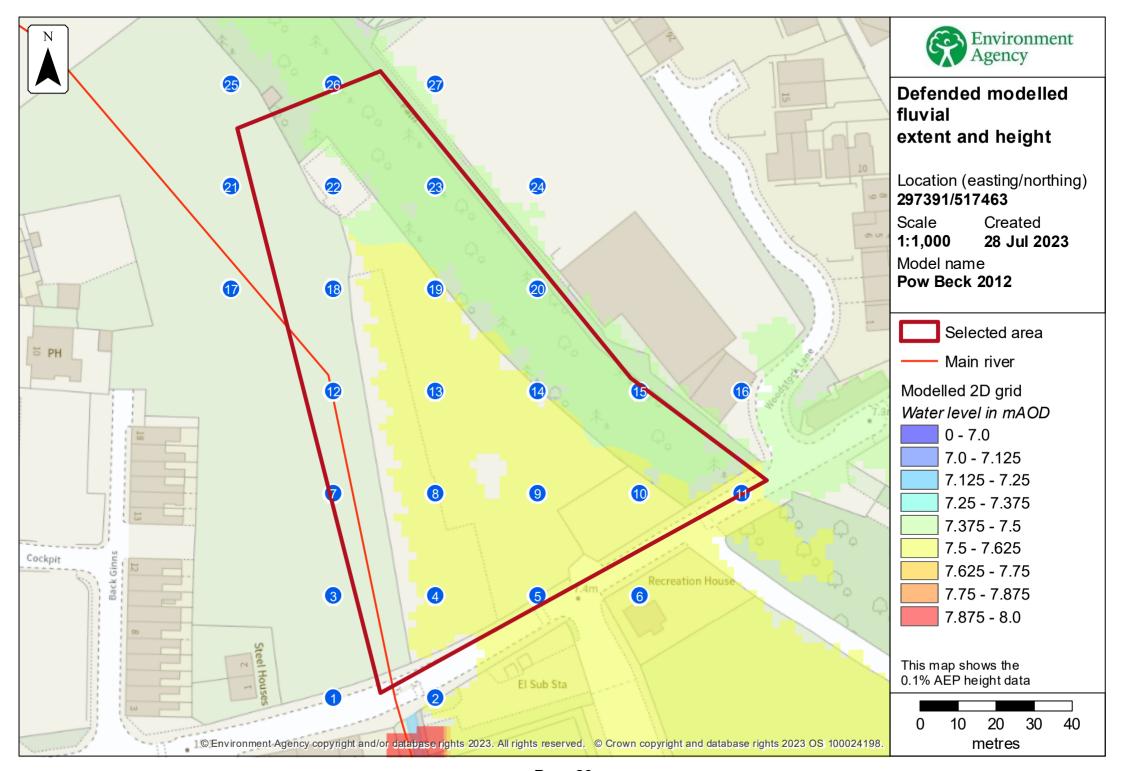
#### **Defended**

Label	Modelled location ID	Easting	Northing	5% AEF	•	2% AEP 1.33% AEP		1% AEP		0.5% AEP		0.1% AEP			
				Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	83652	297380	517376	7.21	4.89	7.39	5.48	7.63	5.83	7.69	5.89	7.76	6.02	7.92	6.18
2	79441	297387	517331	7.41	4.89	7.56	5.47	7.74	5.81	7.78	5.87	7.83	6.0	7.92	6.18
3	150387	297414	517280	7.66	4.89	7.79	5.46	7.89	5.95	7.90	6.27	7.92	7.01	7.93	8.68
4	45652	297443	517244	7.80	4.88	7.93	5.27	8.03	5.48	8.05	5.71	8.09	6.14	8.21	6.96
5	297896	297489	517190	7.88	4.32	8.0	4.37	8.09	4.52	8.11	4.53	8.17	4.59	8.29	4.92
6	157061	297511	517165	7.97	3.90	8.05	4.04	8.12	4.15	8.15	4.09	8.19	4.78	8.31	5.10
7	336073	297562	517106	7.99	5.45	8.06	6.08	8.13	6.66	8.15	6.87	8.20	7.56	8.31	9.40
8	152670	297600	517062	8.04	4.27	8.10	4.69	8.16	5.06	8.17	5.18	8.22	5.53	8.33	6.0
9	189843	297619	517036	8.12	4.28	8.18	4.69	8.24	5.06	8.26	5.19	8.30	5.55	8.37	6.16
10	84365	297714	517715	17.16	0.88	17.32	1.08	17.40	1.19	17.45	1.28	17.57	1.48	17.63	1.67

Data in this table comes from the Pow Beck 2012 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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# Sample point data

## Defended

Label	Easting	Northing	5% AEP		2% AEP		1.33% AE	P	1% AEP		0.5% AEF	•	0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	297359	517381	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	297386	517381	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	297359	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	297386	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19	7.61
5	297413	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.13	7.61
6	297440	517408	NoData	NoData	NoData	NoData	0.13	7.34	0.18	7.40	0.20	7.42	0.39	7.61
7	297359	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	297386	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19	7.61
9	297413	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.20	7.61
10	297440	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.11	7.61
11	297467	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03	7.54
12	297359	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	297386	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.15	7.61
14	297413	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	297440	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19	7.41
16	297467	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

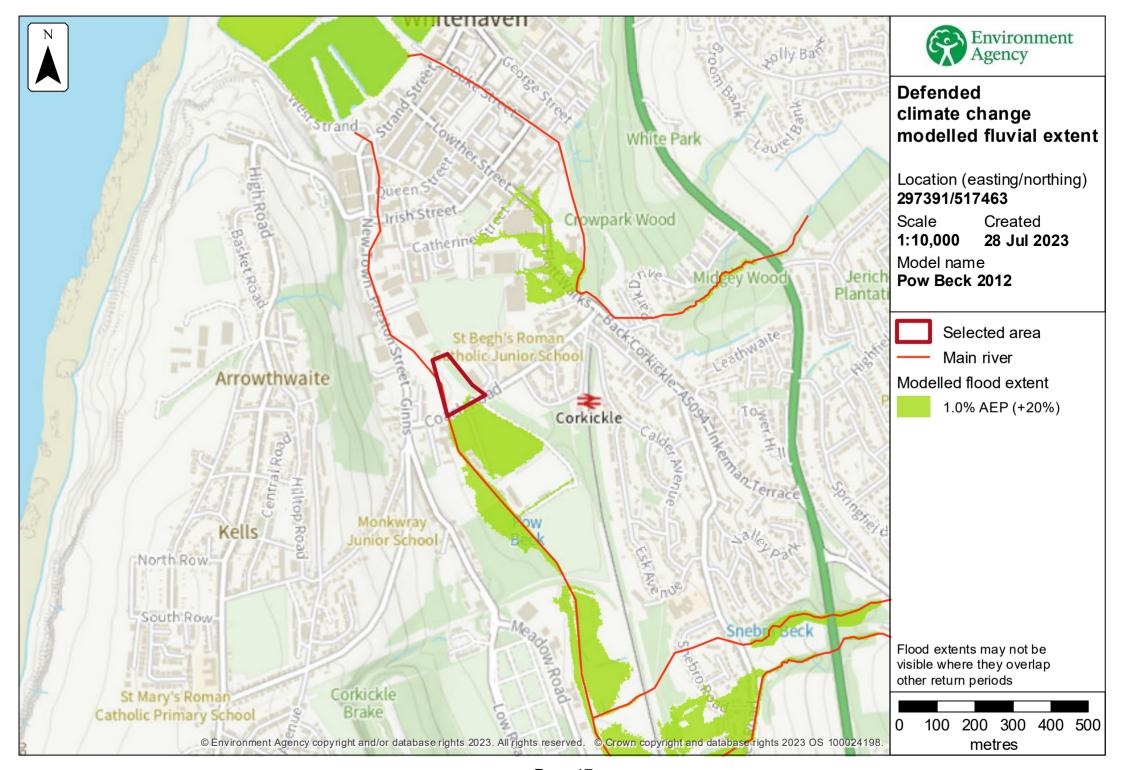
Label	Easting	Northing 5% AEP			2% AEP		1.33% AE	Р	1% AEP		0.5% AEF	)	0.1% AEF	•
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	297332	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	297359	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	297386	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.07	7.60
20	297413	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.27	7.40
21	297332	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	297359	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	297386	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.36	7.40
24	297413	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
25	297332	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	297359	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.26	7.39
27	297386	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Pow Beck 2012 model.

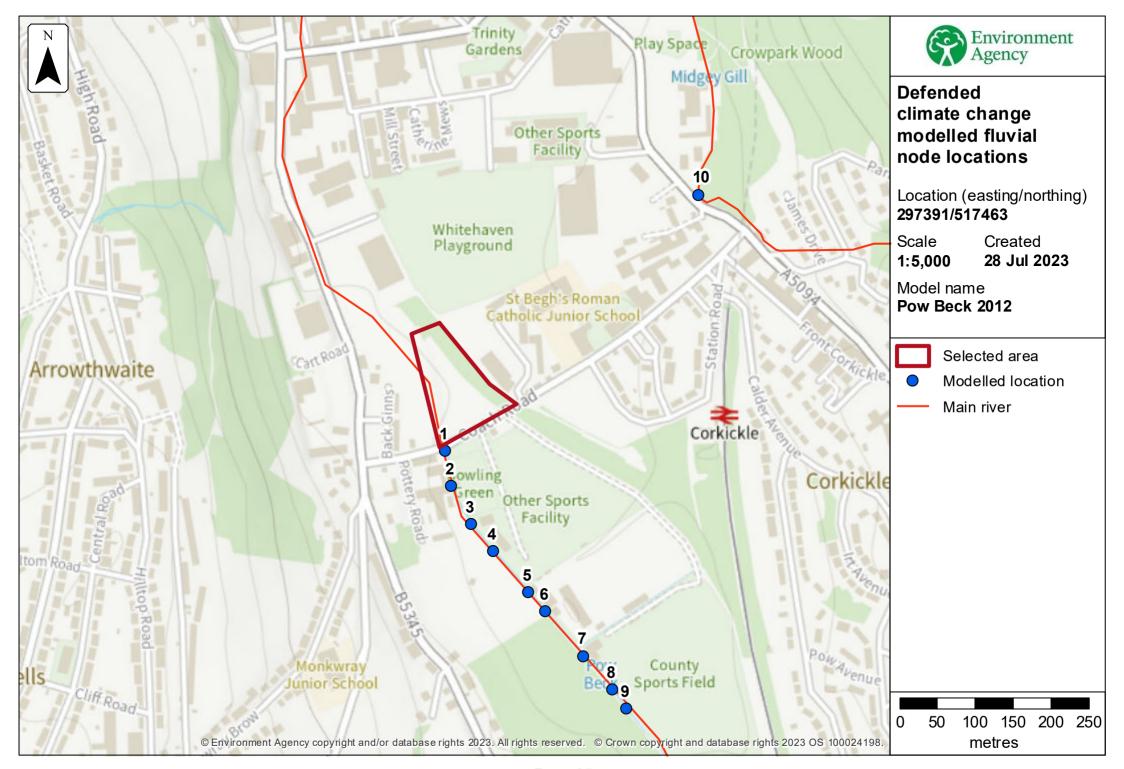
Height values are shown in mAOD, and depth values are shown in metres.

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.



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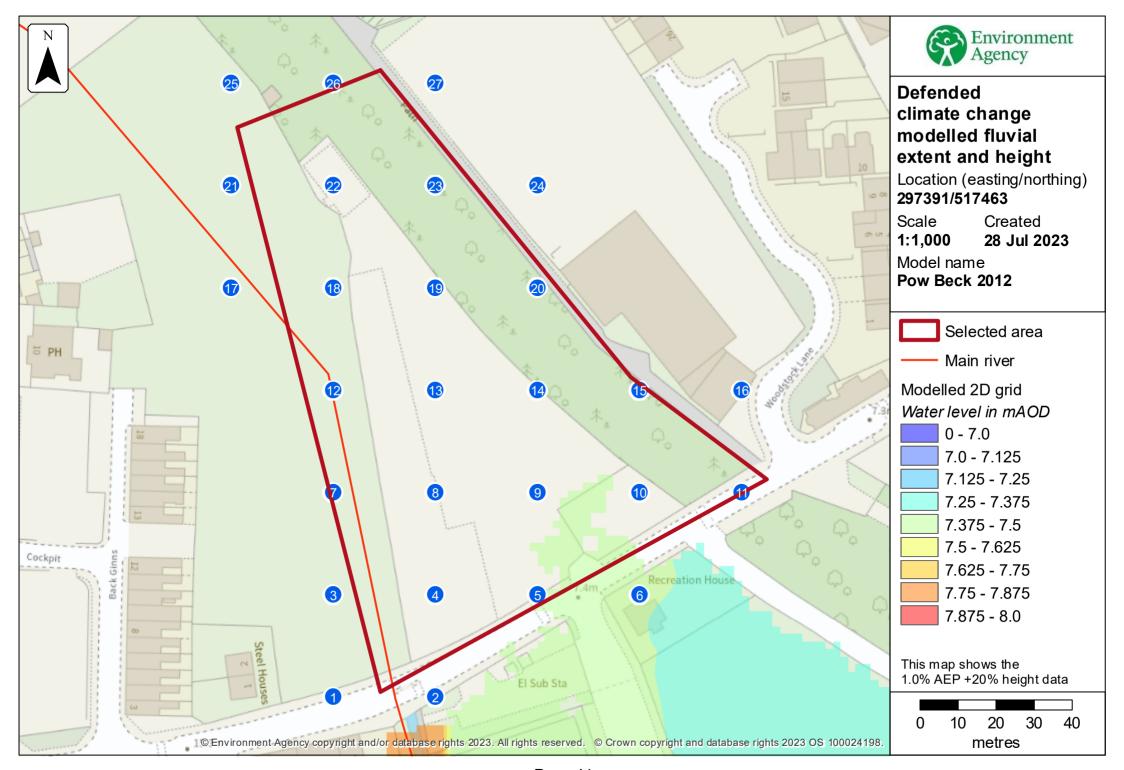
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## Modelled node locations data

## **Defended climate change**

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	83652	297380	517376	7.79	6.07
2	79441	297387	517331	7.85	6.06
3	150387	297414	517280	7.92	7.38
4	45652	297443	517244	8.12	6.31
5	297896	297489	517190	8.19	4.75
6	157061	297511	517165	8.22	4.42
7	336073	297562	517106	8.22	7.84
8	152670	297600	517062	8.24	5.64
9	189843	297619	517036	8.31	5.69
10	84365	297714	517715	17.59	1.56

Data in this table comes from the Pow Beck 2012 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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# Sample point data

# Defended climate change

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
1	297359	517381	NoData	NoData
2	297386	517381	NoData	NoData
3	297359	517408	NoData	NoData
4	297386	517408	NoData	NoData
5	297413	517408	NoData	NoData
6	297440	517408	0.21	7.43
7	297359	517435	NoData	NoData
8	297386	517435	NoData	NoData
9	297413	517435	NoData	NoData
10	297440	517435	NoData	NoData
11	297467	517435	NoData	NoData
12	297359	517462	NoData	NoData
13	297386	517462	NoData	NoData
14	297413	517462	NoData	NoData
15	297440	517462	NoData	NoData
16	297467	517462	NoData	NoData

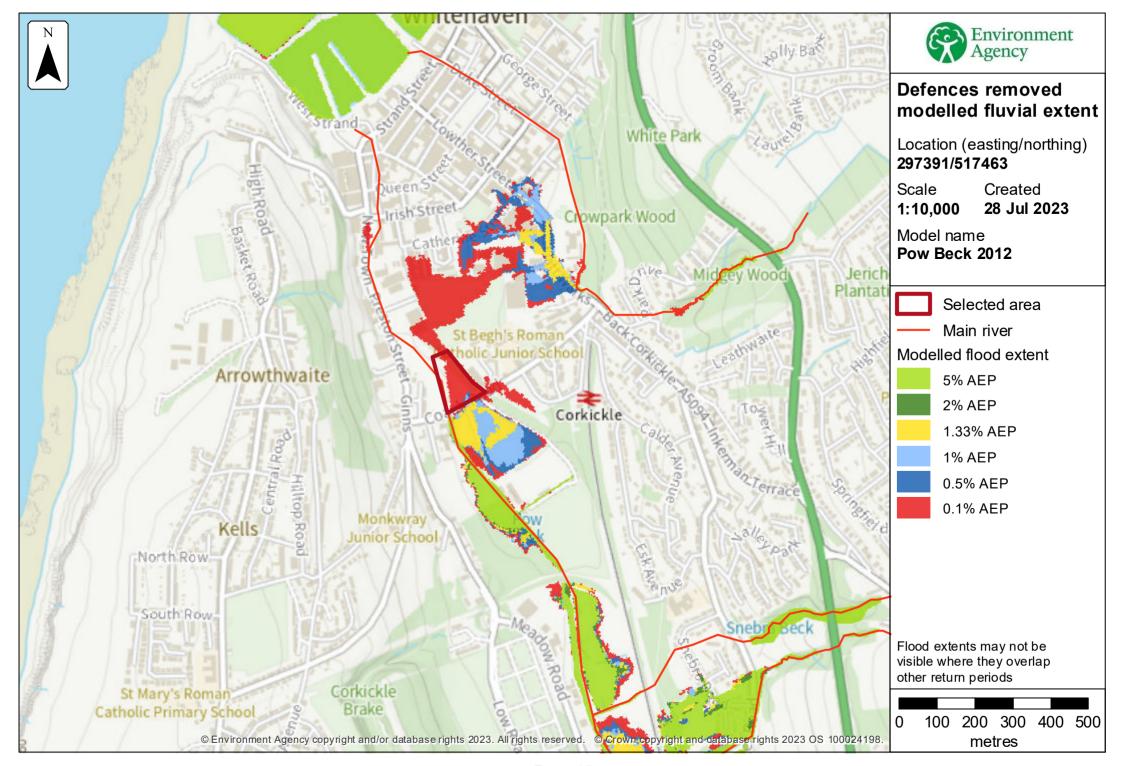
Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
17	297332	517489	NoData	NoData
18	297359	517489	NoData	NoData
19	297386	517489	NoData	NoData
20	297413	517489	NoData	NoData
21	297332	517516	NoData	NoData
22	297359	517516	NoData	NoData
23	297386	517516	NoData	NoData
24	297413	517516	NoData	NoData
25	297332	517543	NoData	NoData
26	297359	517543	NoData	NoData
27	297386	517543	NoData	NoData

Data in this table comes from the Pow Beck 2012 model.

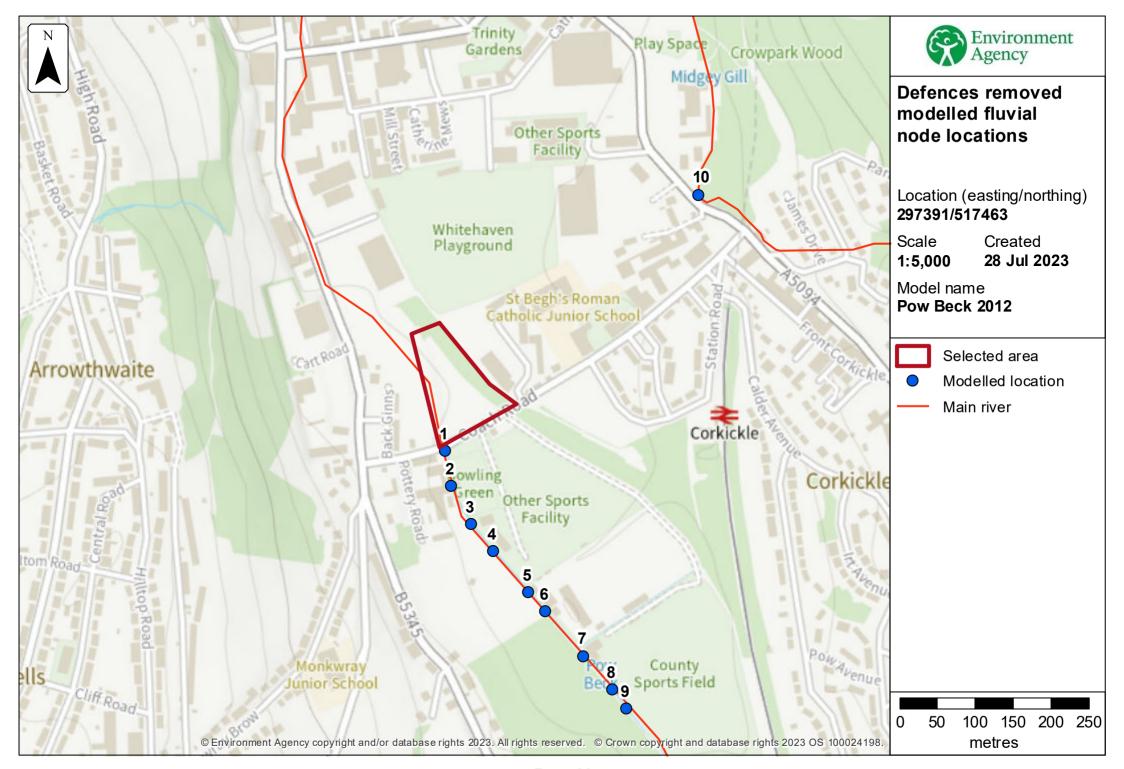
Height values are shown in mAOD, and depth values are shown in metres.

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.



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## Modelled node locations data

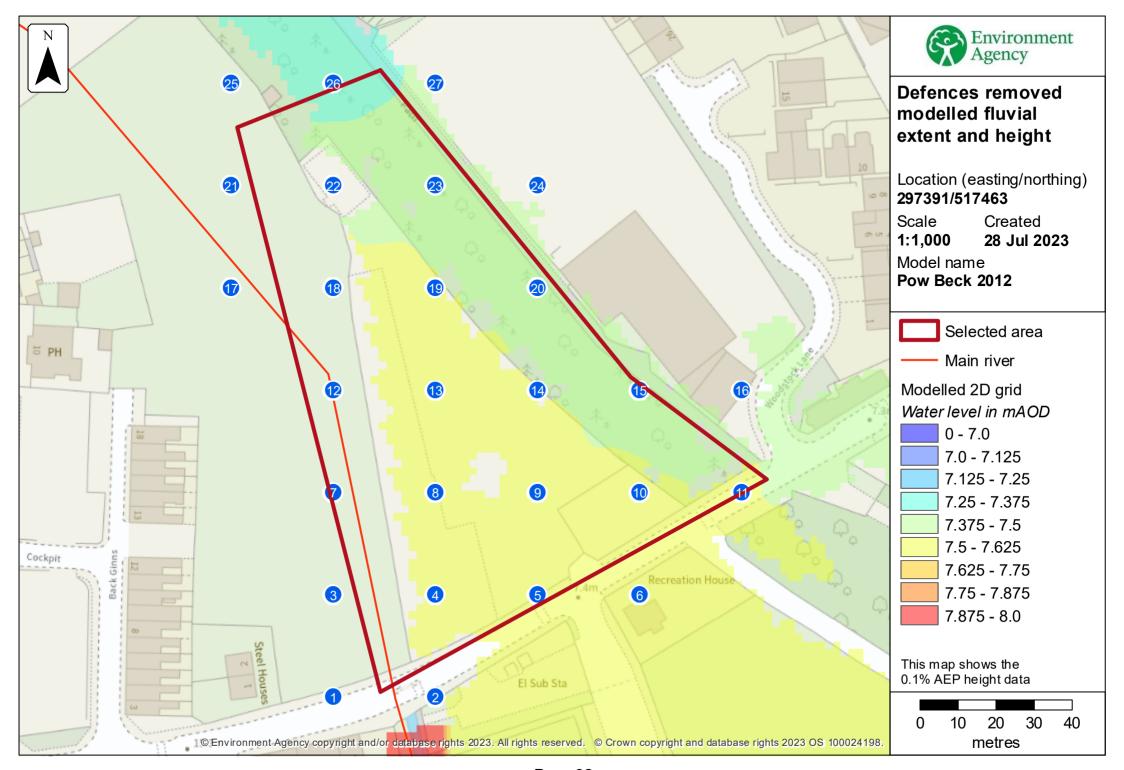
#### **Defences removed**

Label	Modelled location ID	Easting	Northing	5% AEP		2% AEP 1.33% AEP		1% AEP		0.5% AEP		0.1% AEP			
				Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow	Level	Flow
1	83652	297380	517376	7.20	4.85	7.37	5.41	7.63	5.81	7.69	5.87	7.76	5.99	7.91	6.18
2	79441	297387	517331	7.40	4.85	7.54	5.41	7.74	5.78	7.78	5.84	7.83	5.98	7.93	6.18
3	150387	297414	517280	7.65	4.84	7.78	5.41	7.89	5.89	7.90	6.23	7.91	6.96	7.93	8.67
4	45652	297443	517244	7.79	4.84	7.91	5.23	8.02	5.44	8.04	5.66	8.09	6.12	8.21	6.88
5	297896	297489	517190	7.87	4.32	7.99	4.37	8.09	4.52	8.11	4.53	8.16	4.59	8.28	5.0
6	157061	297511	517165	7.96	3.90	8.04	4.04	8.12	4.15	8.14	4.09	8.19	4.78	8.30	5.11
7	336073	297562	517106	7.98	5.43	8.05	6.04	8.13	6.64	8.15	6.85	8.20	7.54	8.31	9.39
8	152670	297600	517062	8.04	4.20	8.09	4.58	8.15	5.0	8.17	5.14	8.21	5.42	8.33	5.99
9	189843	297619	517036	8.12	4.20	8.17	4.58	8.23	5.0	8.25	5.14	8.29	5.45	8.37	6.12
10	84365	297714	517715	17.16	0.88	17.32	1.08	17.39	1.18	17.42	1.20	17.47	1.21	17.54	1.22

Data in this table comes from the Pow Beck 2012 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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# Sample point data

### **Defences removed**

Label	Easting	Northing	5% AEP		2% AEP		1.33% AE	Р	1% AEP		0.5% AEP	•	0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	297359	517381	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
2	297386	517381	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
3	297359	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
4	297386	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19	7.60
5	297413	517408	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.12	7.61
6	297440	517408	NoData	NoData	NoData	NoData	0.09	7.30	0.18	7.40	0.20	7.42	0.39	7.61
7	297359	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
8	297386	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.19	7.60
9	297413	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.20	7.60
10	297440	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.10	7.60
11	297467	517435	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03	7.54
12	297359	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	297386	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.14	7.60
14	297413	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	297440	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.18	7.39
16	297467	517462	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

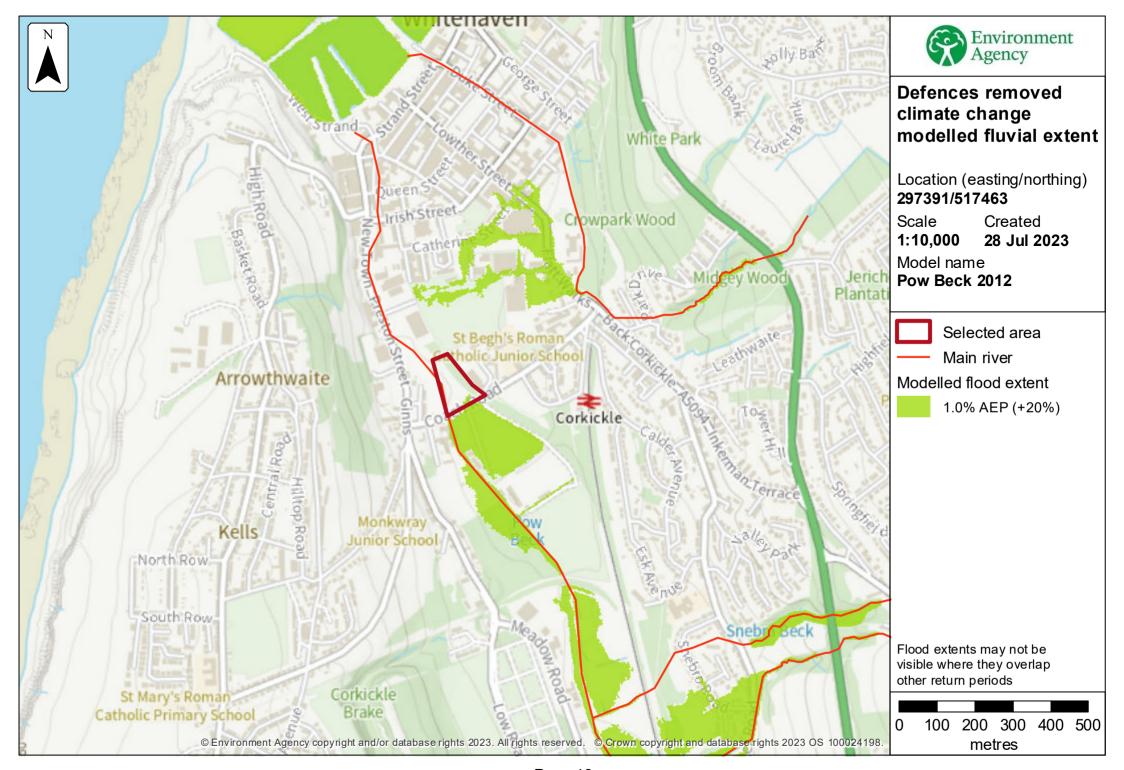
Label	Easting	Northing	5% AEP		2% AEP		1.33% AE	Р	1% AEP		0.5% AEP	)	0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	297332	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
18	297359	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
19	297386	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.06	7.60
20	297413	517489	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.25	7.38
21	297332	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
22	297359	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	297386	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.34	7.38
24	297413	517516	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
25	297332	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
26	297359	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.25	7.37
27	297386	517543	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the Pow Beck 2012 model.

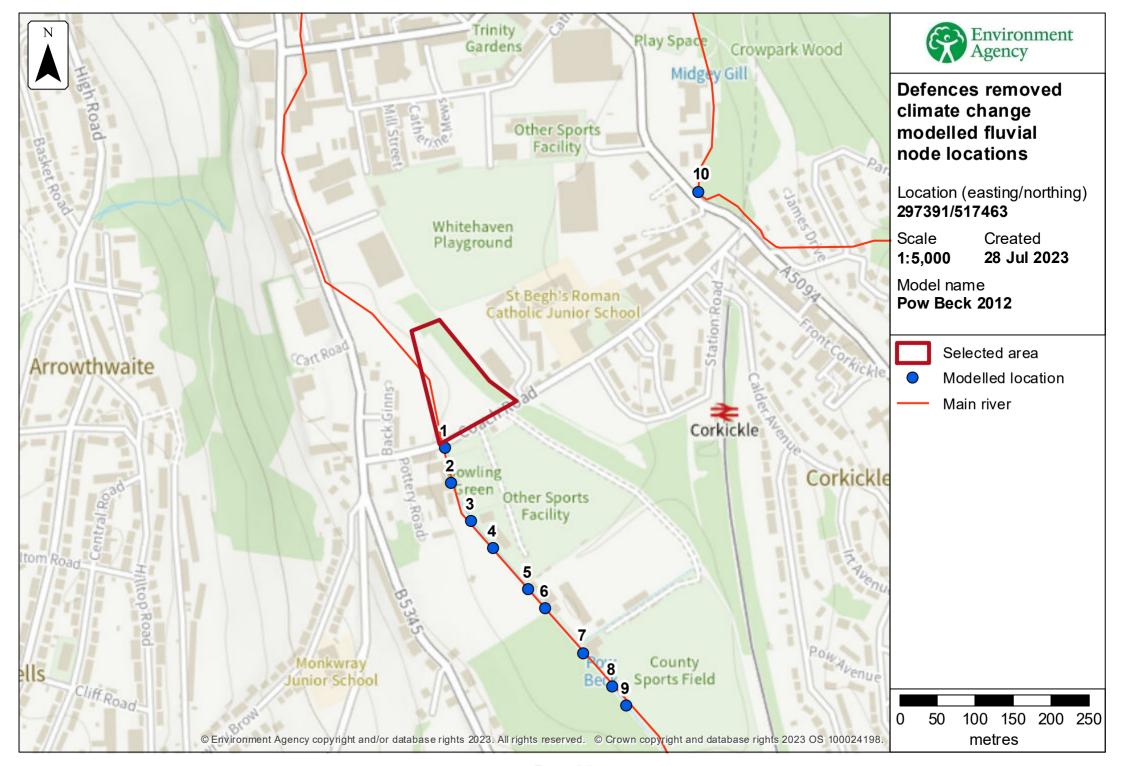
Height values are shown in mAOD, and depth values are shown in metres.

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.



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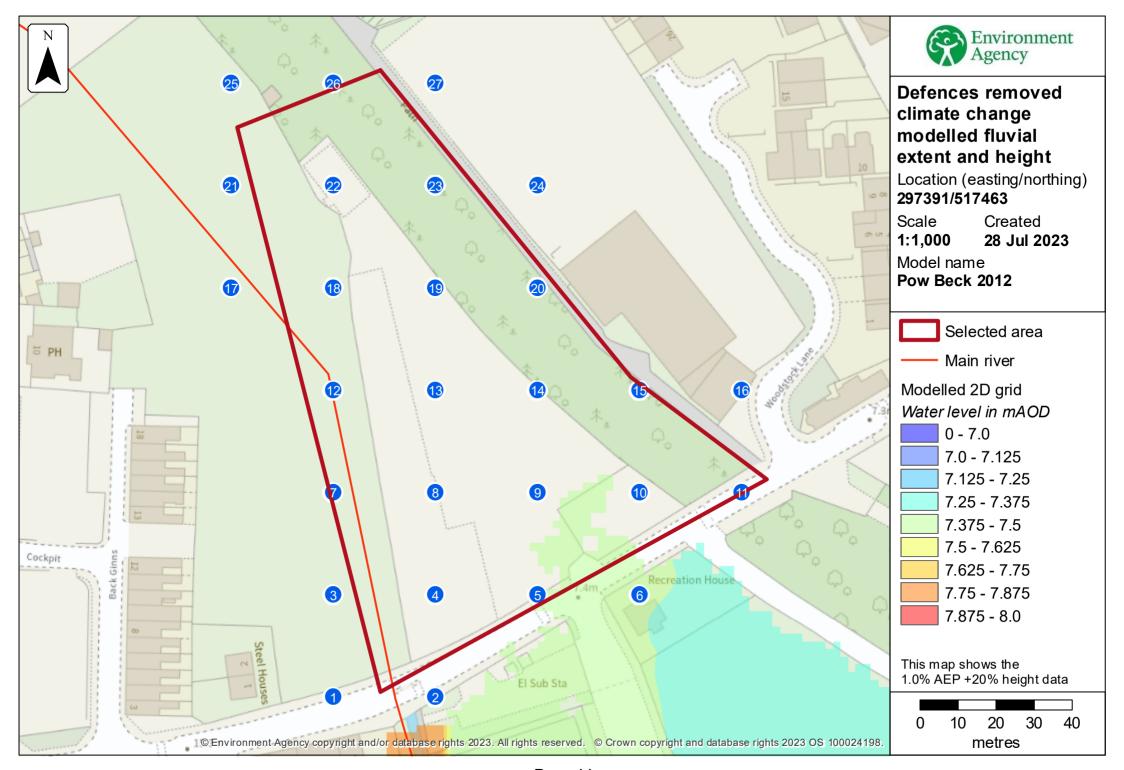
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## Modelled node locations data

## Defences removed climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	83652	297380	517376	7.79	6.05
2	79441	297387	517331	7.85	6.04
3	150387	297414	517280	7.92	7.37
4	45652	297443	517244	8.12	6.30
5	297896	297489	517190	8.19	4.74
6	157061	297511	517165	8.22	4.42
7	336073	297562	517106	8.22	7.83
8	152670	297600	517062	8.24	5.61
9	189843	297619	517036	8.32	5.69
10	84365	297714	517715	17.49	1.21

Data in this table comes from the Pow Beck 2012 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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# Sample point data

# **Defences removed climate change**

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
1	297359	517381	NoData	NoData
2	297386	517381	NoData	NoData
3	297359	517408	NoData	NoData
4	297386	517408	NoData	NoData
5	297413	517408	NoData	NoData
6	297440	517408	0.21	7.43
7	297359	517435	NoData	NoData
8	297386	517435	NoData	NoData
9	297413	517435	NoData	NoData
10	297440	517435	NoData	NoData
11	297467	517435	NoData	NoData
12	297359	517462	NoData	NoData
13	297386	517462	NoData	NoData
14	297413	517462	NoData	NoData
15	297440	517462	NoData	NoData
16	297467	517462	NoData	NoData

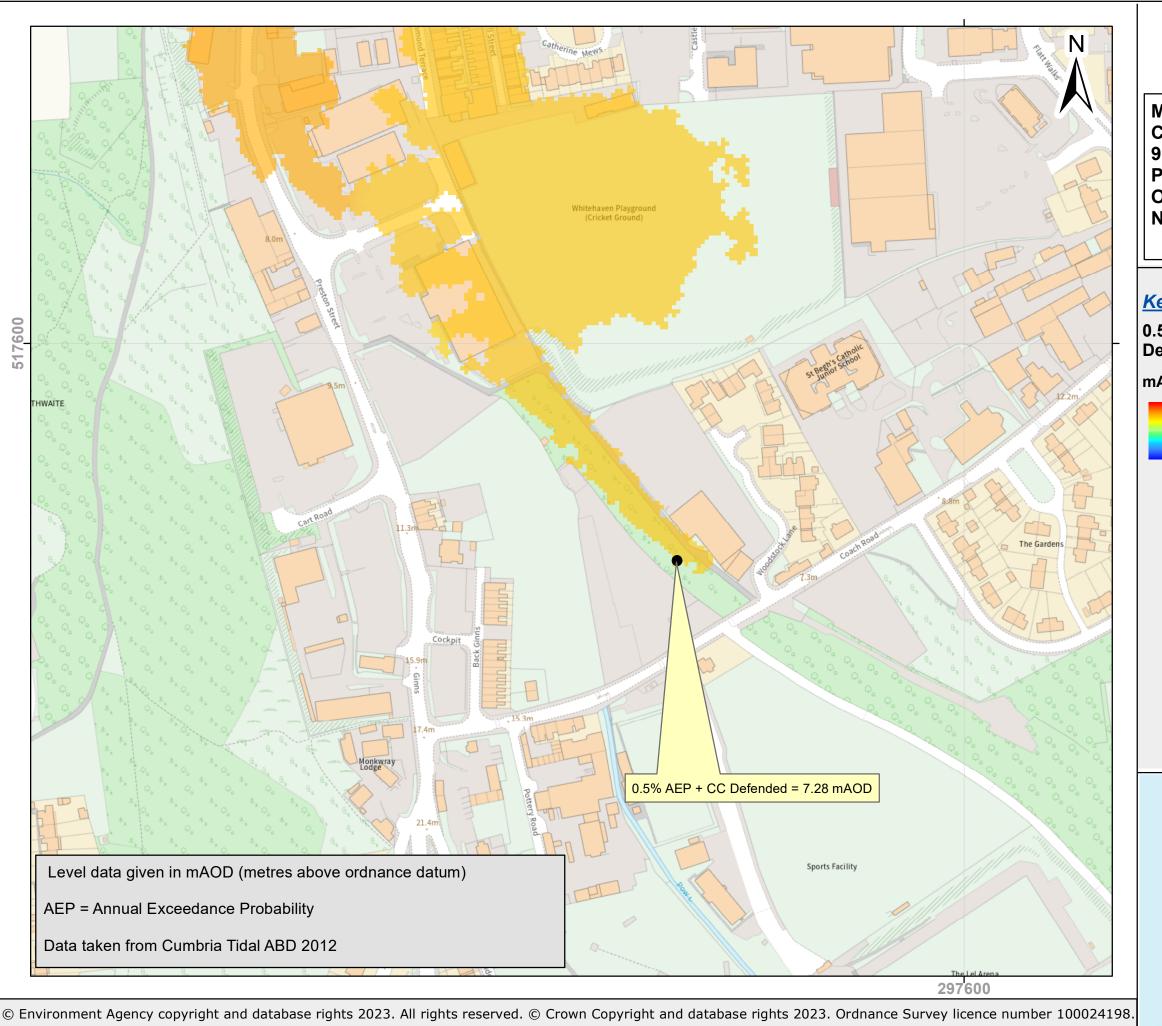
Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
17	297332	517489	NoData	NoData
18	297359	517489	NoData	NoData
19	297386	517489	NoData	NoData
20	297413	517489	NoData	NoData
21	297332	517516	NoData	NoData
22	297359	517516	NoData	NoData
23	297386	517516	NoData	NoData
24	297413	517516	NoData	NoData
25	297332	517543	NoData	NoData
26	297359	517543	NoData	NoData
27	297386	517543	NoData	NoData

Data in this table comes from the Pow Beck 2012 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.





Modelled 2d Data Map:

Coach Road, Whitehaven, CA28

9BX

Produced: 31/7/2023 Our Ref:CL319289

NGR: 297391,517463

### **Key**

0.5% AEP + Climate Change (600mm SLR) Defended

#### mAOD



High: 8

Low: 5



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

### 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

#### 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 Cumbria and Lancashire Environment Agency team at <a href="mailto:inforequests.cmblnc@environment-agency.gov.uk">inforequests.cmblnc@environment-agency.gov.uk</a> for:

- more information about getting a product 5, 6, 7 or 8
- general help and advice about the site you're requesting data for