Surface water and other sources of flooding

Use the long term flood risk service 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: 2015 Batley Beck Mapping Study
Scenario(s): Defended fluvial, defences removed fluvial, defended climate change fluvial, defences removed climate change fluvial
Date: 30 November 2015

This model contains 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 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

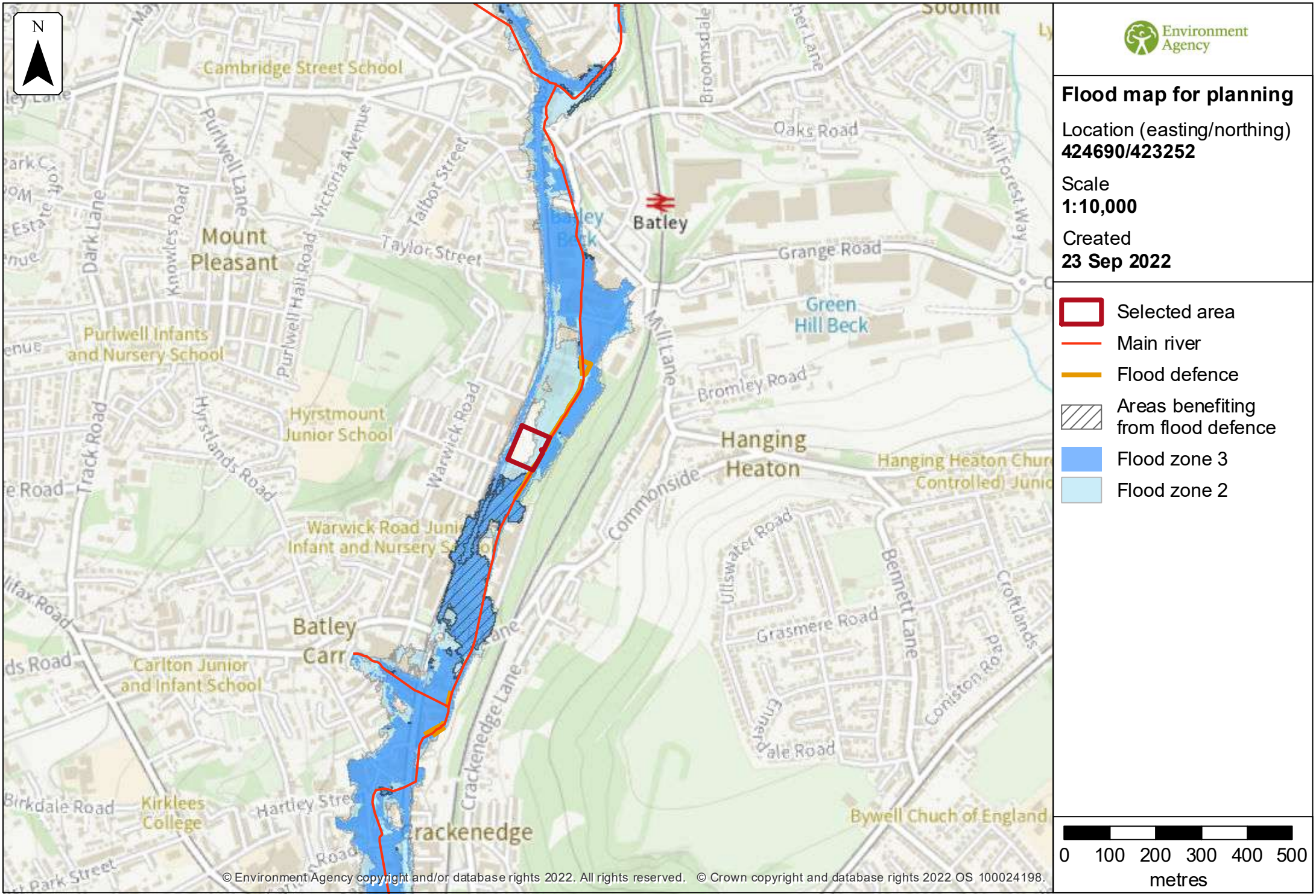
This data is updated on a quarterly basis as better data becomes available.

Areas benefiting from defences

This map shows the areas benefiting from defences for 2 possible events:

- fluvial (river flooding) event that has a 1% annual exceedance probability (AEP), this means a 1% chance of occurring in any one year
- tidal or coastal event that has a 0.5% annual exceedance probability (AEP), this means a 0.5% chance of occurring in any one year

Download the GIS dataset for areas benefiting from defences


N
Cambridge Street School
Purlwell Lane
Victoria Avenue
Talbot Street
Knowles Road
Dark Lane
Mount Pleasant
Taylor Street
Purlwell Hall Road
Purlwell Infants and Nursery School
Hyrstmount Junior School
Hyrstlands Road
Track Road
Warwick Road
Warwick Road Junior Infant and Nursery School
Batley
Broomsdale
Oaks Road
Mill Forest Way
Grange Road
Green Hill Beck
Mill Lane
Bromley Road
Hanging Heaton
Commonside
Ullswater Road
Grasmere Road
Bennett Lane
Croftlands
Coniston Road
Dale Road
Batley Carr
Carlton Junior and Infant School
Crackenedge Lane
Kirklees College
Hartley Street
Bywell Chuch of England
Environment Agency
Flood map for planning
Location (easting/northing)
424690/423252
Scale
1:10,000
Created
23 Sep 2022
Selected area
Main river
Flood defence
Areas benefiting from flood defence
Flood zone 3
Flood zone 2
0 100 200 300 400 500
metres
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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

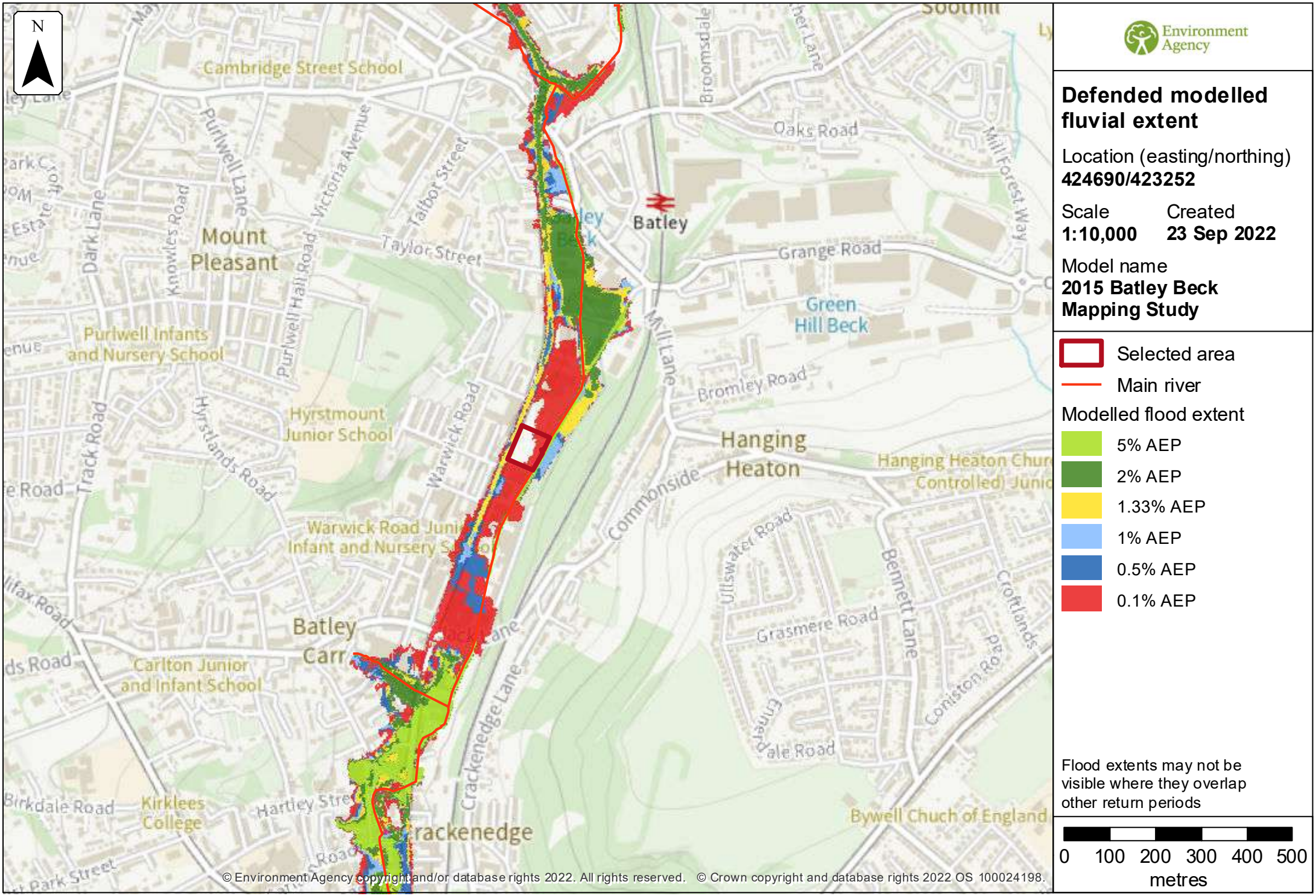
The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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



Environment Agency

Defended modelled fluvial extent

Location (easting/northing)
424690/423252

Scale
1:10,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

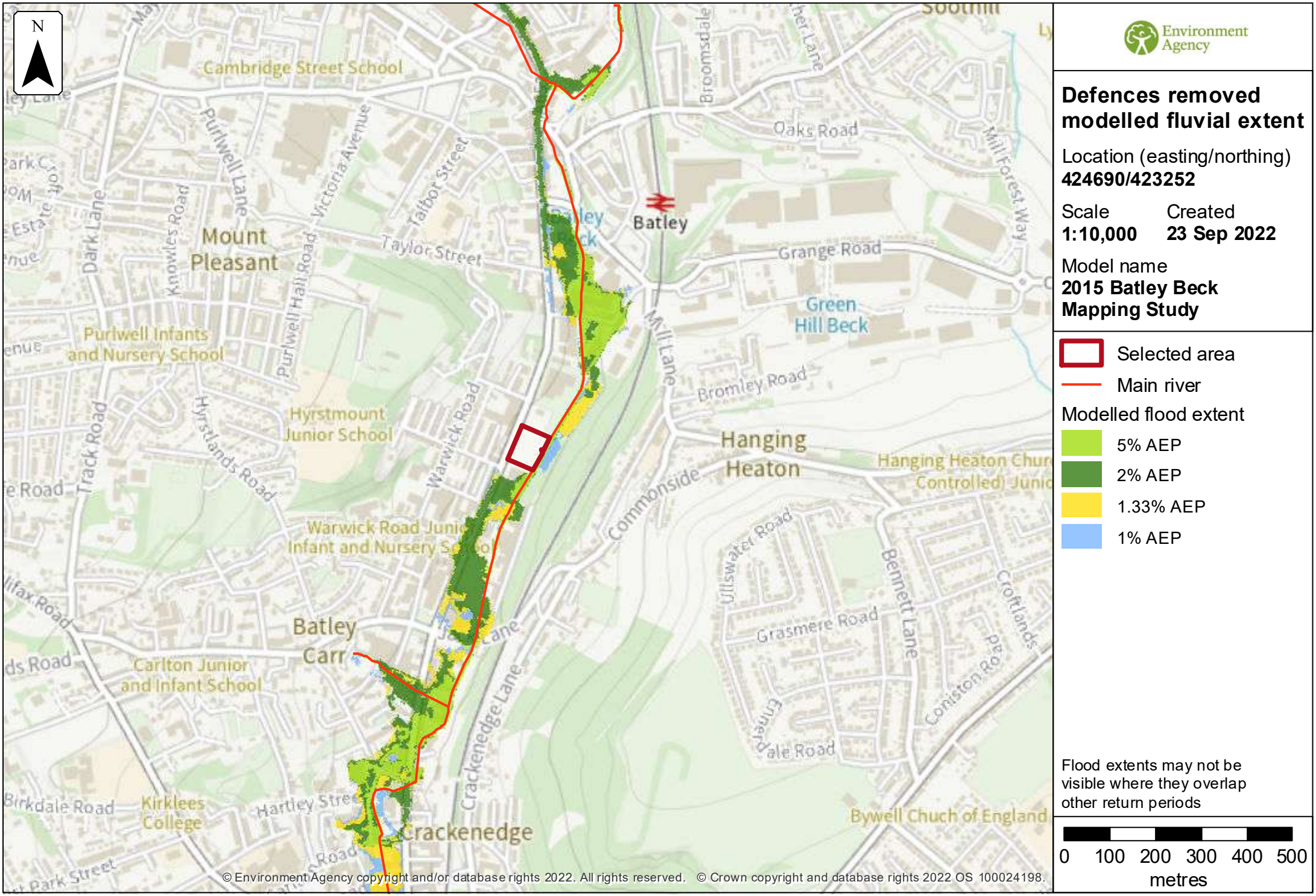
- Selected area
- Main river

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)
424690/423252

Scale
1:10,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

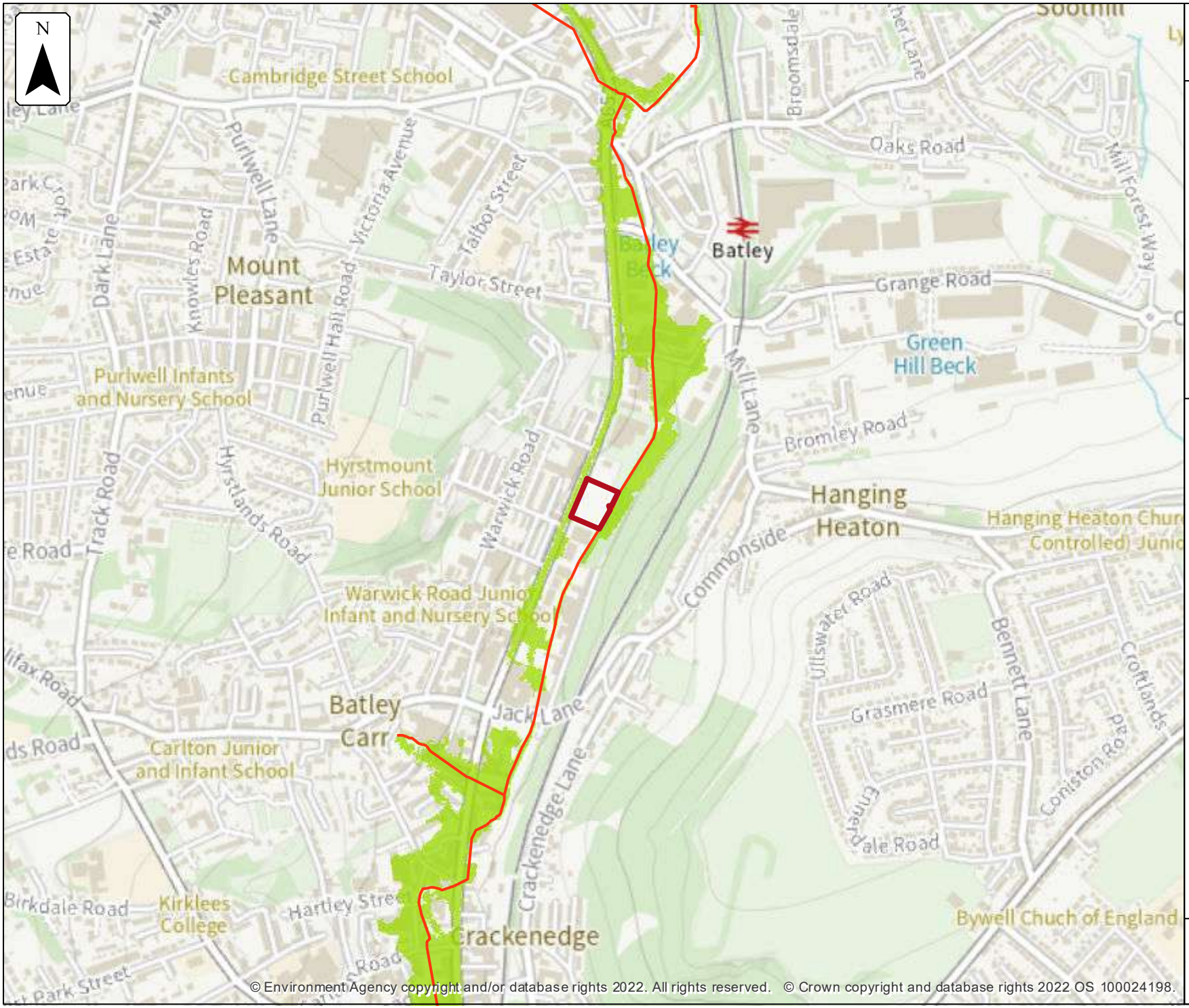
- Selected area
- Main river

Modelled flood extent

- 5% AEP
- 2% AEP
- 1.33% AEP
- 1% AEP

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

0 100 200 300 400 500
metres



Environment Agency

Defended climate change modelled fluvial extent

Location (easting/northing)
424690/423252

Scale
1:10,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

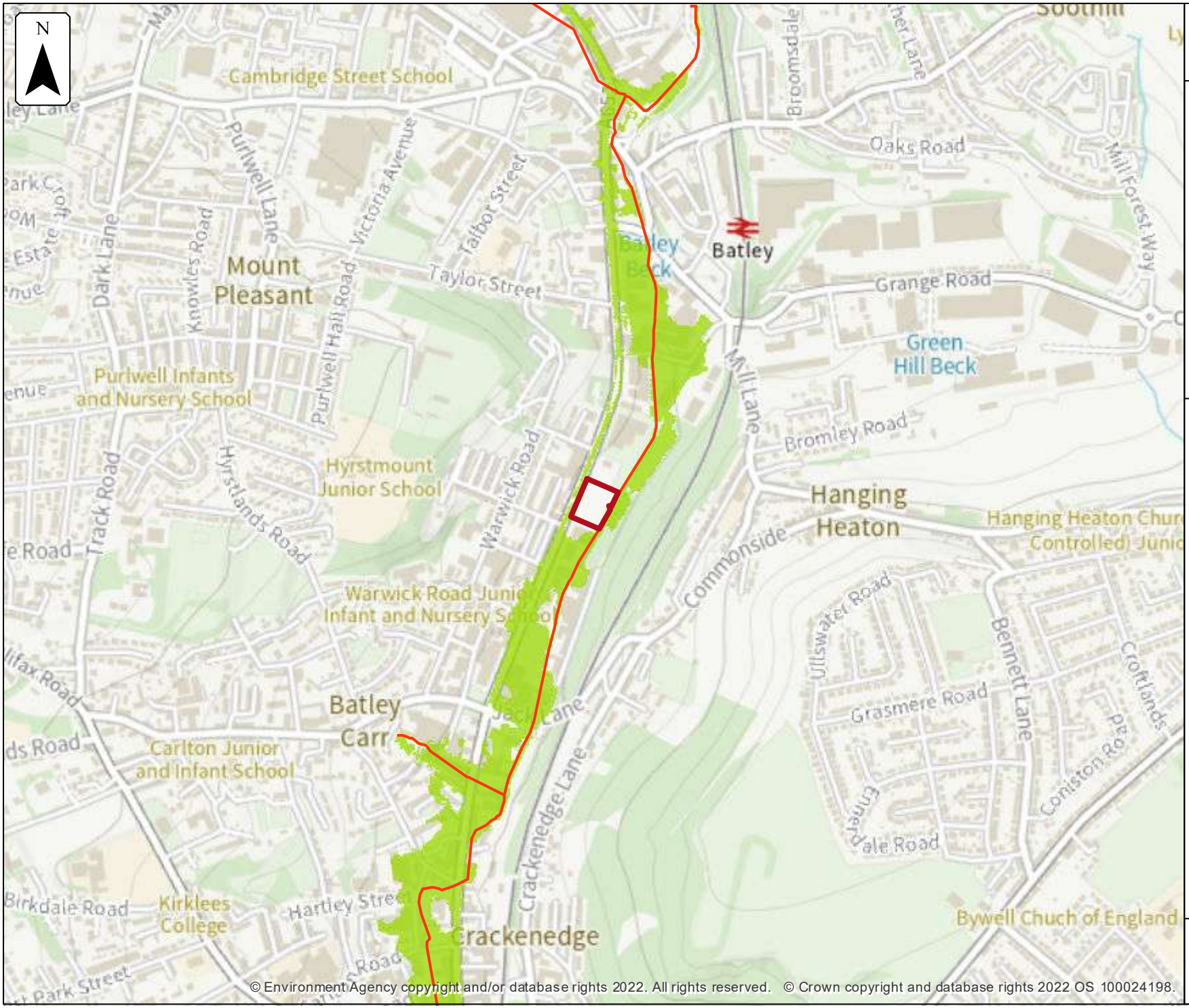
Main river

Modelled flood extent

1.0% AEP (+20%)

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

0 100 200 300 400 500
metres



Environment Agency

Defences removed climate change modelled fluvial extent

Location (easting/northing)
424690/423252

Scale
1:10,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

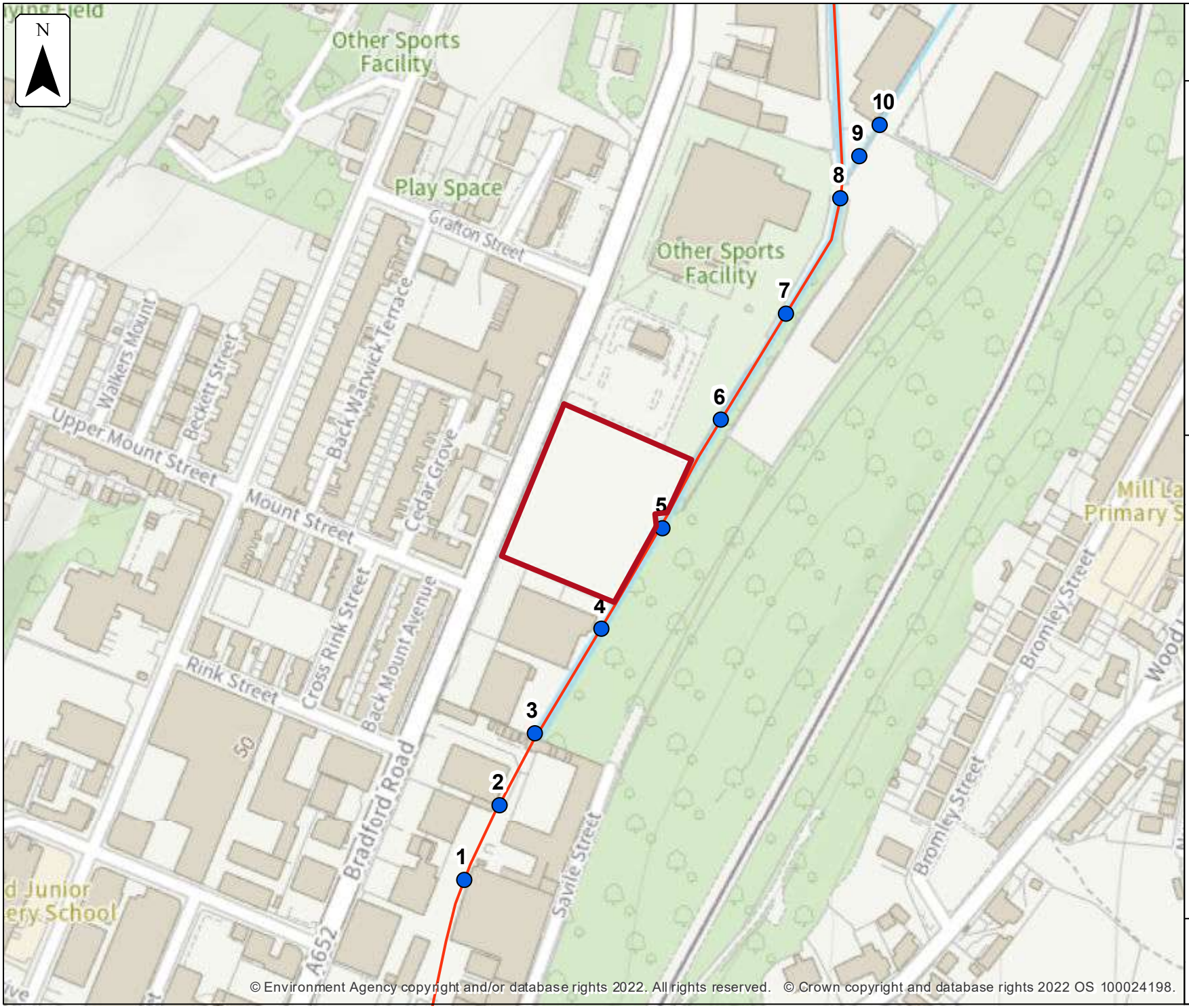
Main river

Modelled flood extent

1.0% AEP (+20%)

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

0 100 200 300 400 500
metres



Environment Agency

Defended modelled fluvial node locations

Location (easting/northing)
424690/423252

Scale
1:2,500

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area
Modelled location
Main river

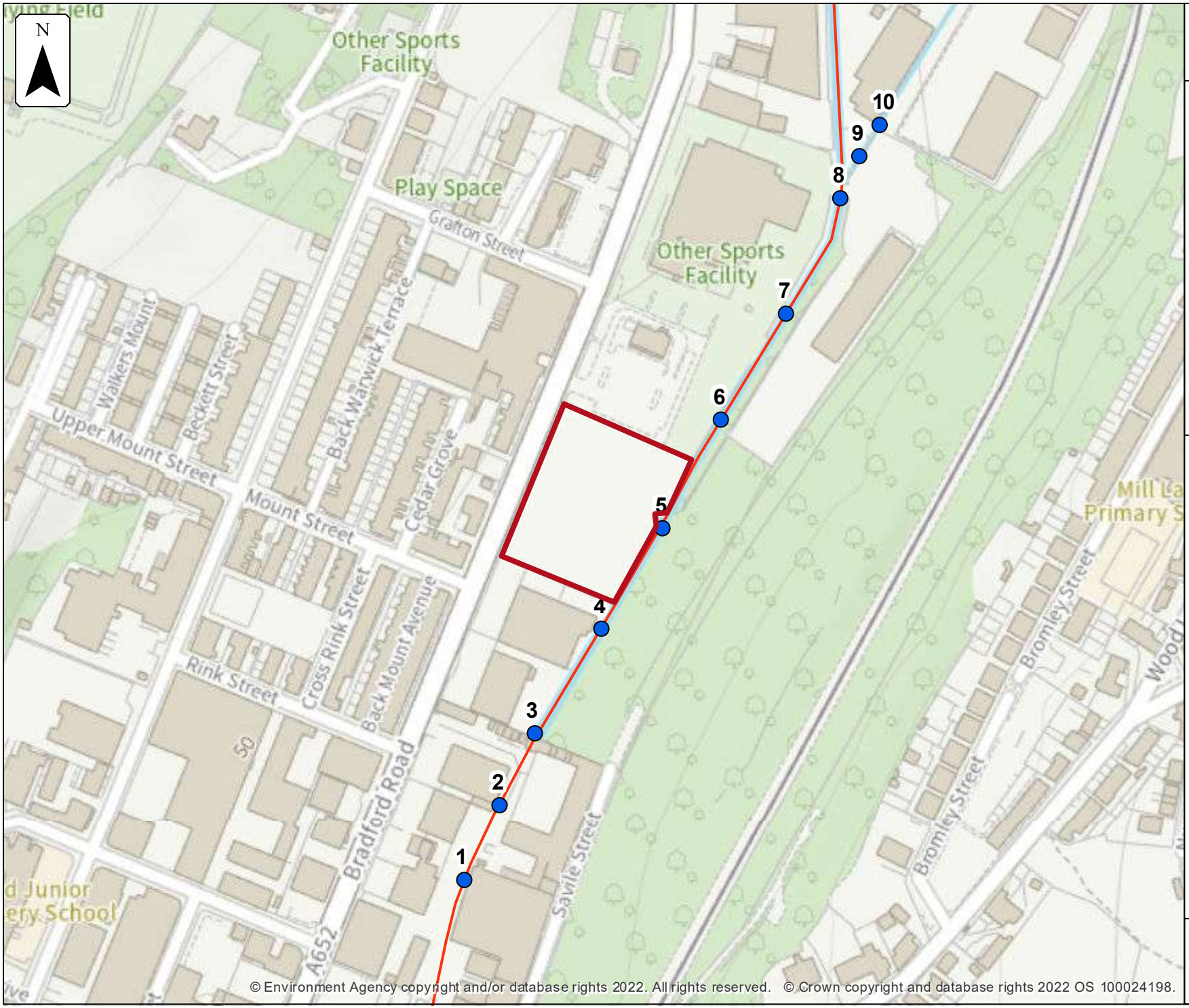
0 25 50 75 100
metres

Modelled node locations data

Defended

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	977936	424627	423068	46.86	17.68	47.04	19.80	47.14	20.87	47.31	23.12	47.79	30.12	47.91	34.30
2	977665	424644	423105	47.40	17.69	47.56	19.81	47.65	20.87	47.82	23.12	48.32	27.35	48.51	30.56
3	977744	424661	423139	47.62	17.69	47.87	19.81	48.0	20.87	48.28	23.12	48.78	27.35	49.11	30.56
4	977766	424694	423190	47.68	17.70	47.92	19.83	48.05	20.89	48.32	23.14	48.81	27.20	49.10	34.01
5	977982	424723	423240	47.76	17.71	47.97	19.85	48.08	20.93	48.32	23.18	48.77	27.50	49.08	32.42
6	977688	424752	423293	47.95	17.72	48.14	19.88	48.24	20.98	48.46	23.22	48.90	27.30	49.22	32.23
7	977687	424784	423344	48.16	17.73	48.31	19.92	48.40	21.03	48.59	23.26	48.99	26.78	49.29	32.22
8	978077	424810	423400	48.36	17.74	48.47	19.95	48.53	21.06	48.67	23.30	49.01	26.71	49.28	32.21
9	977966	424820	423421	49.05	2.91	49.31	3.67	49.38	3.86	49.52	3.92	49.79	4.05	50.09	4.36
10	978034	424829	423436	50.37	2.88	50.95	3.70	51.05	3.94	51.09	4.06	51.17	4.56	51.32	6.25

Data in this table comes from the 2015 Batley Beck Mapping Study 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)
424690/423252

Scale
1:2,500

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area
Modelled location
Main river

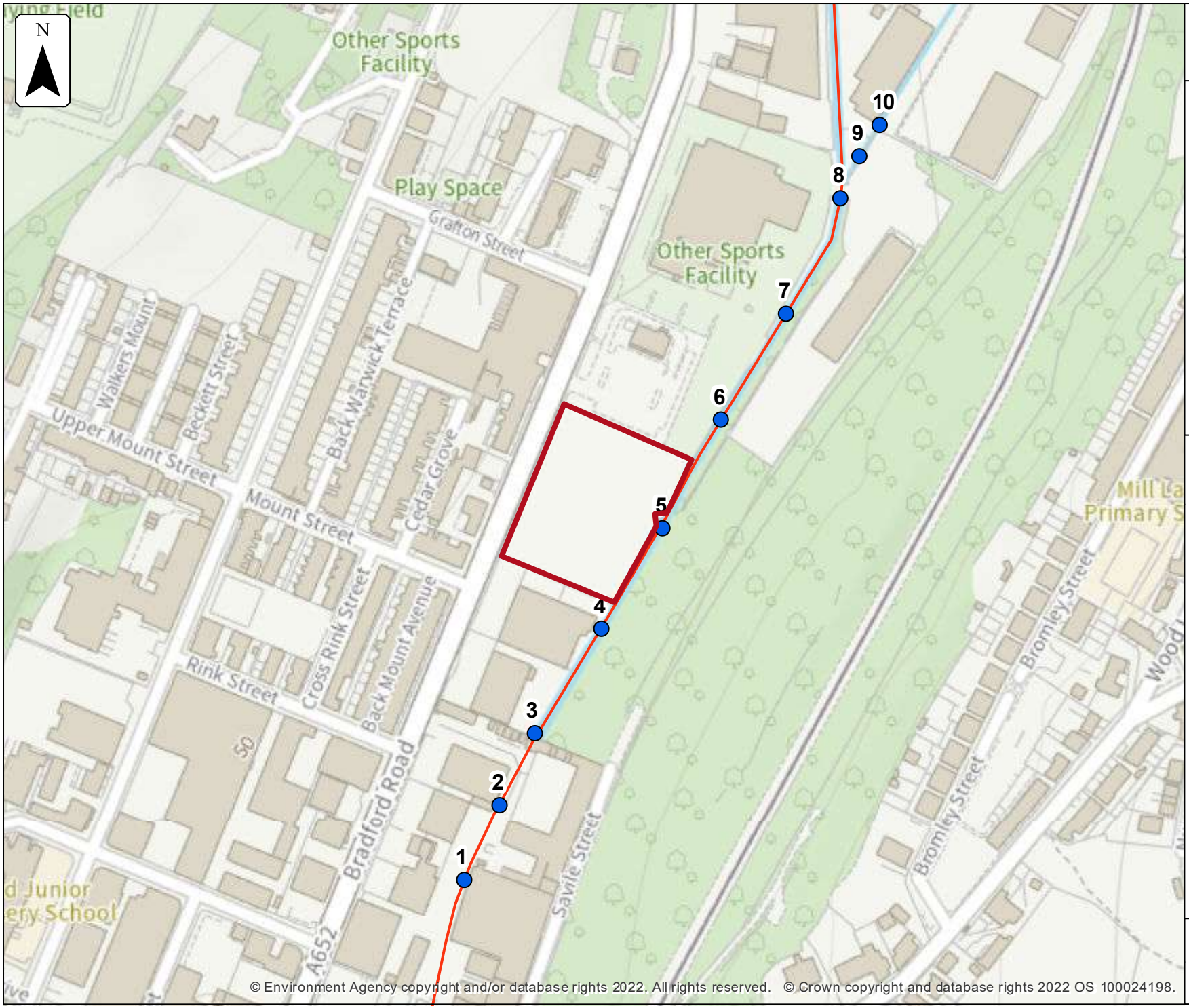
0 25 50 75 100
metres

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	977936	424627	423068	46.76	16.34	46.97	18.55	47.13	19.20	47.24	19.48				
2	977665	424644	423105	47.29	16.34	47.46	18.57	47.54	19.18	47.60	19.41				
3	977744	424661	423139	47.47	16.34	47.72	18.57	47.82	19.18	47.88	19.41				
4	977766	424694	423190	47.53	16.50	47.71	20.56	47.74	23.30	47.75	24.92				
5	977982	424723	423240	47.63	16.50	47.82	20.57	47.87	23.28	47.90	24.80				
6	977688	424752	423293	47.83	16.51	48.05	20.56	48.15	23.29	48.20	24.77				
7	977687	424784	423344	48.07	16.52	48.28	20.56	48.40	23.29	48.46	24.77				
8	978077	424810	423400	48.28	16.52	48.47	20.56	48.57	23.29	48.62	24.77				
9	977966	424820	423421	48.92	2.91	49.29	3.69	49.53	3.87	49.66	3.92				
10	978034	424829	423436	50.37	2.88	50.95	3.70	51.05	3.95	51.09	4.06				

Data in this table comes from the 2015 Batley Beck Mapping Study 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)
424690/423252

Scale
1:2,500

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

- Selected area
- Modelled location
- Main river

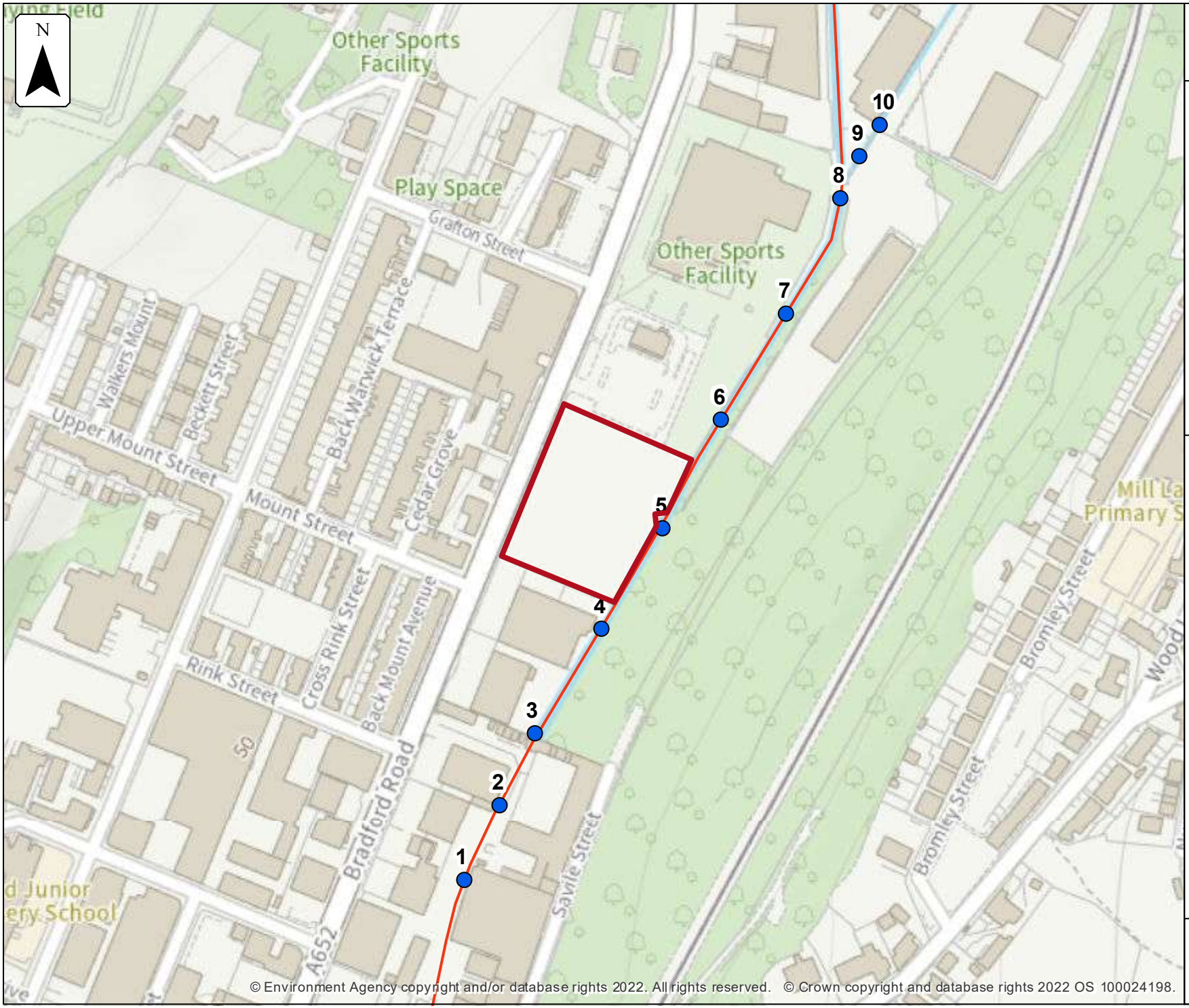
0 25 50 75 100
metres

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	977936	424627	423068	47.82	30.34
2	977665	424644	423105	48.33	27.51
3	977744	424661	423139	48.79	27.51
4	977766	424694	423190	48.82	27.33
5	977982	424723	423240	48.79	27.65
6	977688	424752	423293	48.91	27.44
7	977687	424784	423344	49.0	26.90
8	978077	424810	423400	49.02	26.83
9	977966	424820	423421	49.79	4.06
10	978034	424829	423436	51.17	4.57

Data in this table comes from the 2015 Batley Beck Mapping Study 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)
424690/423252

Scale
1:2,500

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

- Selected area
- Modelled location
- Main river

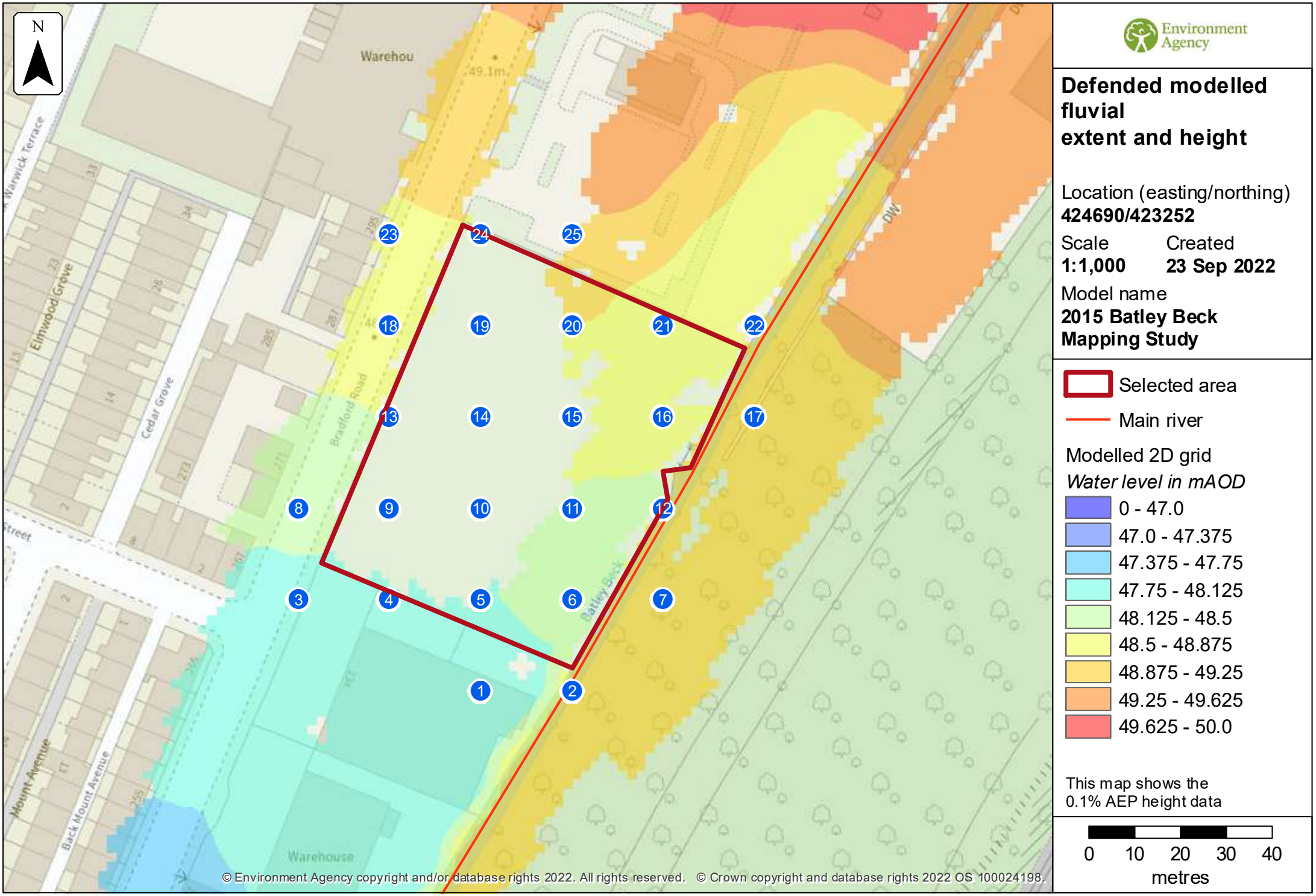
0 25 50 75 100
metres

Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	977936	424627	423068	47.44	19.76
2	977665	424644	423105	47.69	19.60
3	977744	424661	423139	47.97	19.60
4	977766	424694	423190	47.75	28.10
5	977982	424723	423240	47.96	27.75
6	977688	424752	423293	48.31	27.65
7	977687	424784	423344	48.57	27.64
8	978077	424810	423400	48.71	27.64
9	977966	424820	423421	49.81	4.06
10	978034	424829	423436	51.17	4.57

Data in this table comes from the 2015 Batley Beck Mapping Study 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 extent and height

Location (easting/northing)
424690/423252

Scale
1:1,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 47.0
- 47.0 - 47.375
- 47.375 - 47.75
- 47.75 - 48.125
- 48.125 - 48.5
- 48.5 - 48.875
- 48.875 - 49.25
- 49.25 - 49.625
- 49.625 - 50.0

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

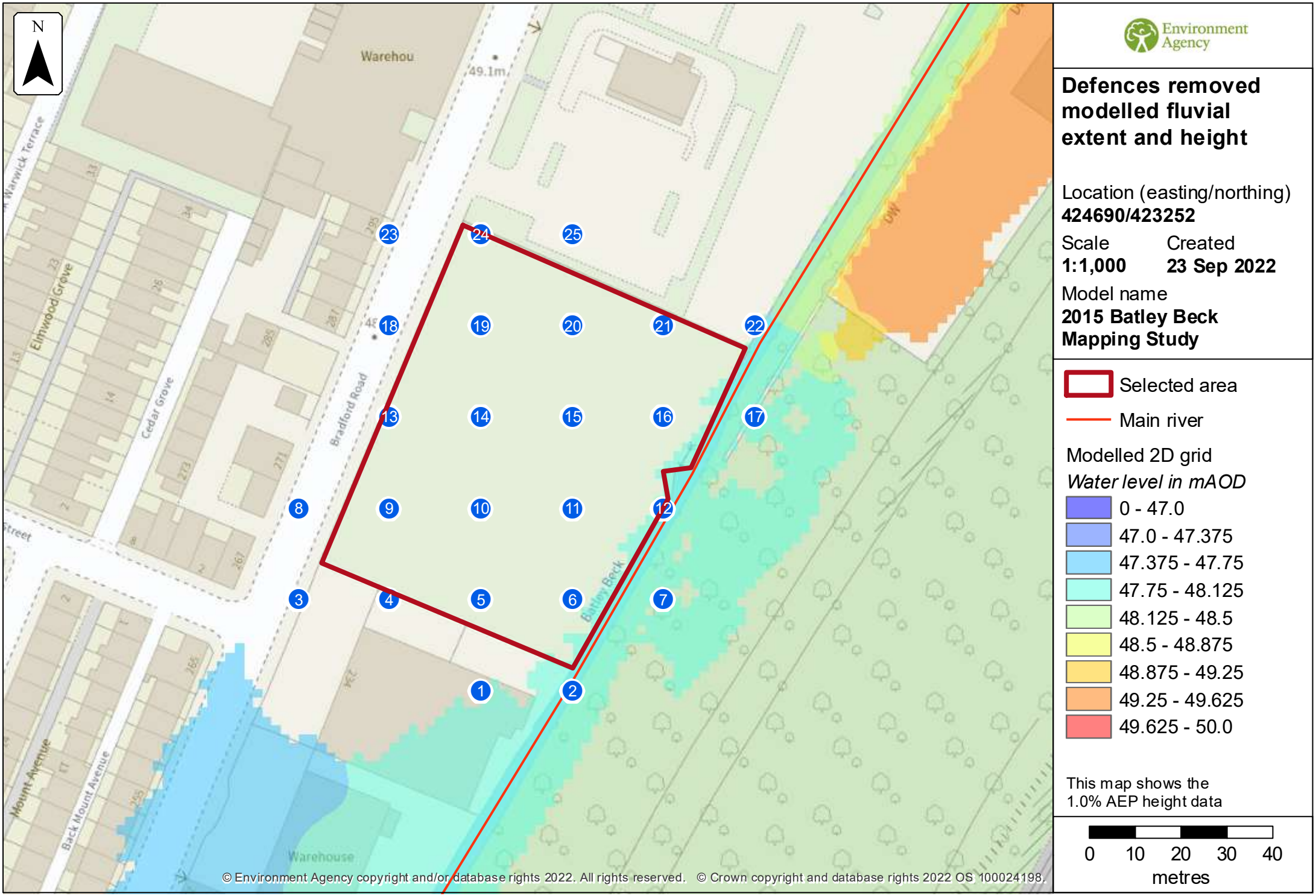
Sample point data

Defended

Label	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	424680	423199	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.18	47.94
2	424700	423199	2.16	47.69	2.39	47.93	2.52	48.06	2.77	48.32	3.24	48.80	3.52	49.09
3	424640	423219	NoData	NoData	NoData	NoData	0	47.78	0	47.78	0.04	47.87	0.22	48.04
4	424660	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.11	48.04
5	424680	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.14	48.05
6	424700	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.22	48.42
7	424720	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.01	49.16
8	424640	423239	NoData	NoData	NoData	NoData	0.02	47.97	0.02	47.98	0.07	48.04	0.23	48.21
9	424660	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
10	424680	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
11	424700	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.08	48.45
12	424720	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
13	424660	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.03	48.50
14	424680	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
15	424700	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
16	424720	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.24	48.64

Label	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	424740	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.06	49.14
18	424660	423279	NoData	NoData	NoData	NoData	0.04	48.39	0.04	48.39	0.09	48.45	0.30	48.66
19	424680	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
20	424700	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
21	424720	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.13	48.70
22	424740	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
23	424660	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	0.04	48.85
24	424680	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData
25	424700	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData

Data in this table comes from the 2015 Batley Beck Mapping Study 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.



Environment Agency

Defences removed modelled fluvial extent and height

Location (easting/northing)
424690/423252

Scale
1:1,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 47.0
- 47.0 - 47.375
- 47.375 - 47.75
- 47.75 - 48.125
- 48.125 - 48.5
- 48.5 - 48.875
- 48.875 - 49.25
- 49.25 - 49.625
- 49.625 - 50.0

This map shows the 1.0% AEP height data

0 10 20 30 40
metres

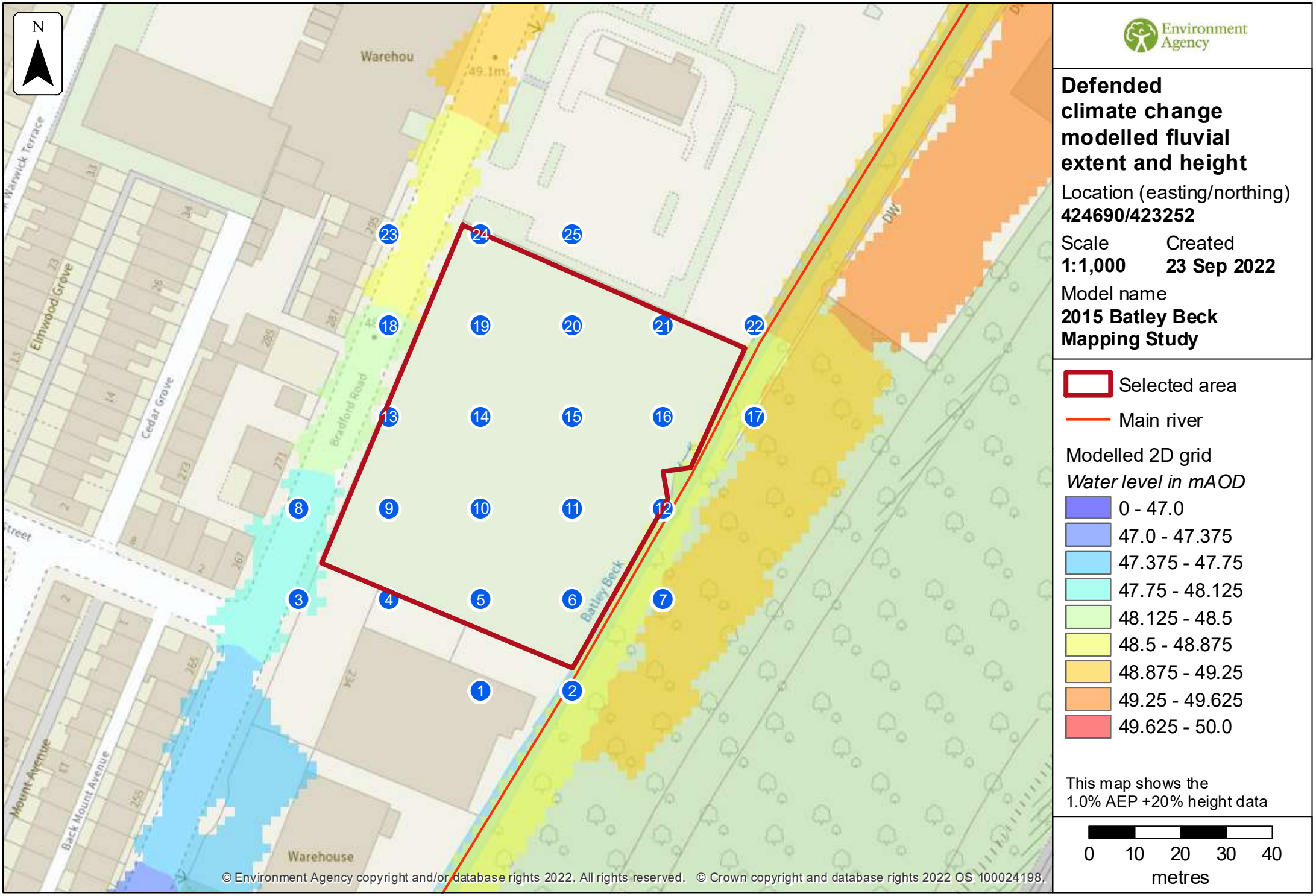
Sample point data

Defences removed

Label	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
1	424680	423199	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
2	424700	423199	2.02	47.54	2.20	47.73	2.23	47.76	2.24	47.77				
3	424640	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
4	424660	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
5	424680	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
6	424700	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
7	424720	423219	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
8	424640	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
9	424660	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
10	424680	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
11	424700	423239	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
12	424720	423239	NoData	NoData	0.13	47.81	0.18	47.86	0.21	47.89				
13	424660	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
14	424680	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
15	424700	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
16	424720	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				

Label	Easting	Northing	5% AEP		2% AEP		1.33% AEP		1% AEP		0.5% AEP		0.1% AEP	
			Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height	Depth	Height
17	424740	423259	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
18	424660	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
19	424680	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
20	424700	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
21	424720	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
22	424740	423279	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
23	424660	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
24	424680	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				
25	424700	423299	NoData	NoData	NoData	NoData	NoData	NoData	NoData	NoData				

Data in this table comes from the 2015 Batley Beck Mapping Study 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.



Environment Agency

Defended climate change modelled fluvial extent and height

Location (easting/northing)
424690/423252

Scale
1:1,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 47.0
- 47.0 - 47.375
- 47.375 - 47.75
- 47.75 - 48.125
- 48.125 - 48.5
- 48.5 - 48.875
- 48.875 - 49.25
- 49.25 - 49.625
- 49.625 - 50.0

This map shows the 1.0% AEP +20% height data

0 10 20 30 40
metres

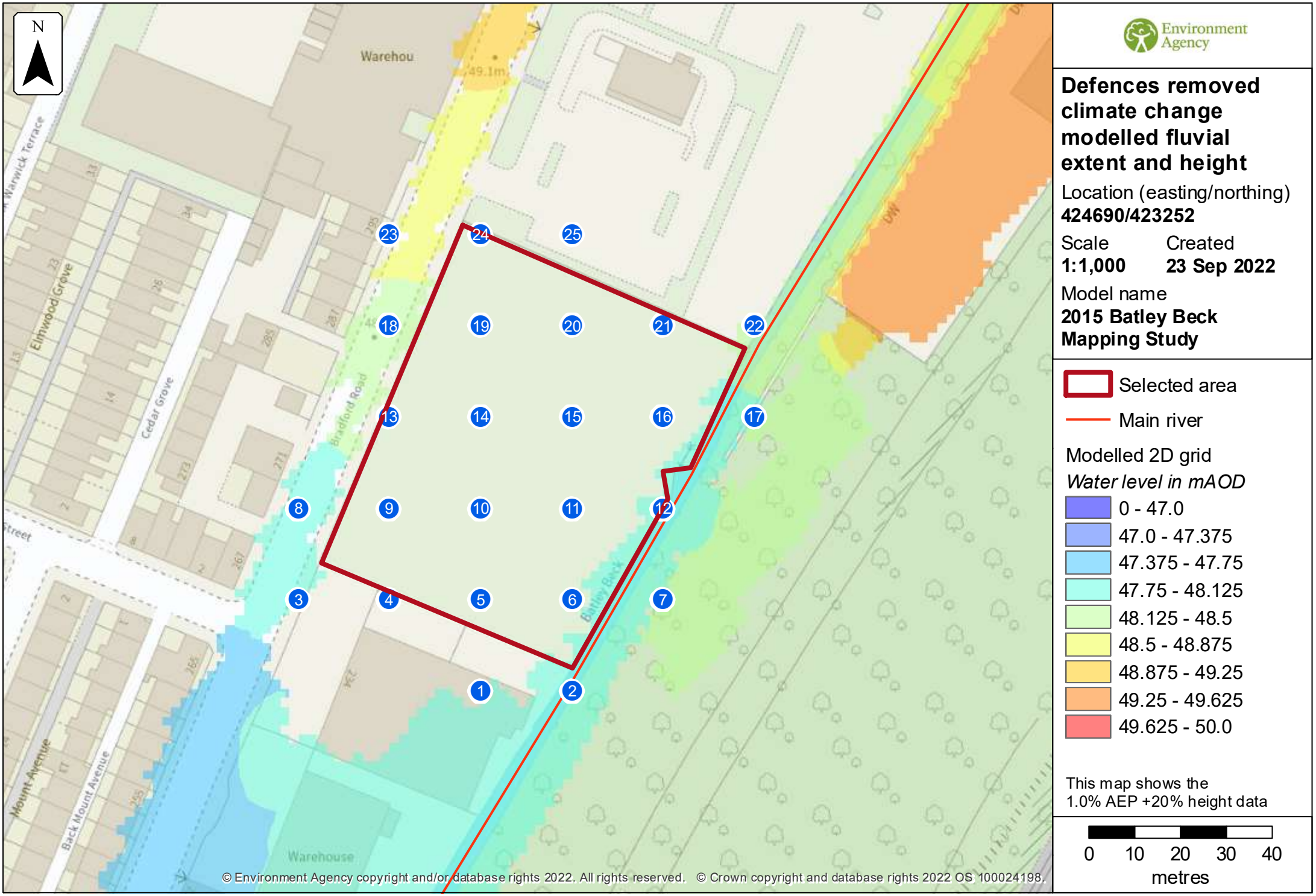
Sample point data

Defended climate change

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
1	424680	423199	NoData	NoData
2	424700	423199	3.26	48.82
3	424640	423219	0.04	47.87
4	424660	423219	NoData	NoData
5	424680	423219	NoData	NoData
6	424700	423219	NoData	NoData
7	424720	423219	NoData	NoData
8	424640	423239	0.07	48.04
9	424660	423239	NoData	NoData
10	424680	423239	NoData	NoData
11	424700	423239	NoData	NoData
12	424720	423239	NoData	NoData
13	424660	423259	NoData	NoData
14	424680	423259	NoData	NoData
15	424700	423259	NoData	NoData
16	424720	423259	NoData	NoData

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
17	424740	423259	NoData	NoData
18	424660	423279	0.10	48.45
19	424680	423279	NoData	NoData
20	424700	423279	NoData	NoData
21	424720	423279	NoData	NoData
22	424740	423279	NoData	NoData
23	424660	423299	NoData	NoData
24	424680	423299	NoData	NoData
25	424700	423299	NoData	NoData

Data in this table comes from the 2015 Batley Beck Mapping Study 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.



Environment Agency

Defences removed climate change modelled fluvial extent and height

Location (easting/northing)
424690/423252

Scale
1:1,000

Created
23 Sep 2022

Model name
2015 Batley Beck Mapping Study

Selected area

Main river

Modelled 2D grid

Water level in mAOD

- 0 - 47.0
- 47.0 - 47.375
- 47.375 - 47.75
- 47.75 - 48.125
- 48.125 - 48.5
- 48.5 - 48.875
- 48.875 - 49.25
- 49.25 - 49.625
- 49.625 - 50.0

This map shows the 1.0% AEP +20% height data

0 10 20 30 40
metres

Sample point data

Defences removed climate change

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
1	424680	423199	NoData	NoData
2	424700	423199	2.25	47.79
3	424640	423219	0	47.79
4	424660	423219	NoData	NoData
5	424680	423219	NoData	NoData
6	424700	423219	NoData	NoData
7	424720	423219	NoData	NoData
8	424640	423239	0.02	47.98
9	424660	423239	NoData	NoData
10	424680	423239	NoData	NoData
11	424700	423239	NoData	NoData
12	424720	423239	0.27	47.94
13	424660	423259	NoData	NoData
14	424680	423259	NoData	NoData
15	424700	423259	NoData	NoData
16	424720	423259	NoData	NoData

Label	Easting	Northing	1% AEP (+20%)	
			Depth	Height
17	424740	423259	NoData	NoData
18	424660	423279	0.05	48.40
19	424680	423279	NoData	NoData
20	424700	423279	NoData	NoData
21	424720	423279	NoData	NoData
22	424740	423279	0.01	48.19
23	424660	423299	NoData	NoData
24	424680	423299	NoData	NoData
25	424700	423299	NoData	NoData

Data in this table comes from the 2015 Batley Beck Mapping Study 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.

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 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