Flood risk assessment data

Location of site: 332352 / 441409 (shown as easting and northing coordinates)
Document created on: 29 September 2023
This information was previously known as a product 4.
Customer reference number: ENMHG28YAW9R

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
- 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 inforequests.cmblnc@environment-agency.gov.uk. This information will only be available if modelling has been carried out for breach scenarios.

Include a site location map in your request.

Information that's unavailable

This document **does not** contain:

- historic flooding
- flood defences and attributes

We do not have historic 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 floodng 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

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: Hillylaid Pool 2013
Scenario(s): Defended fluvial, defences removed fluvial, defended climate change fluvial, defences removed climate change fluvial
Date: 1 February 2012

Model name: Wyre Estuary_Tidal 2014
Scenario(s): Defended tidal, defences removed tidal, defended climate change tidal, defences removed climate change tidal
Date: 30 July 2014

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 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

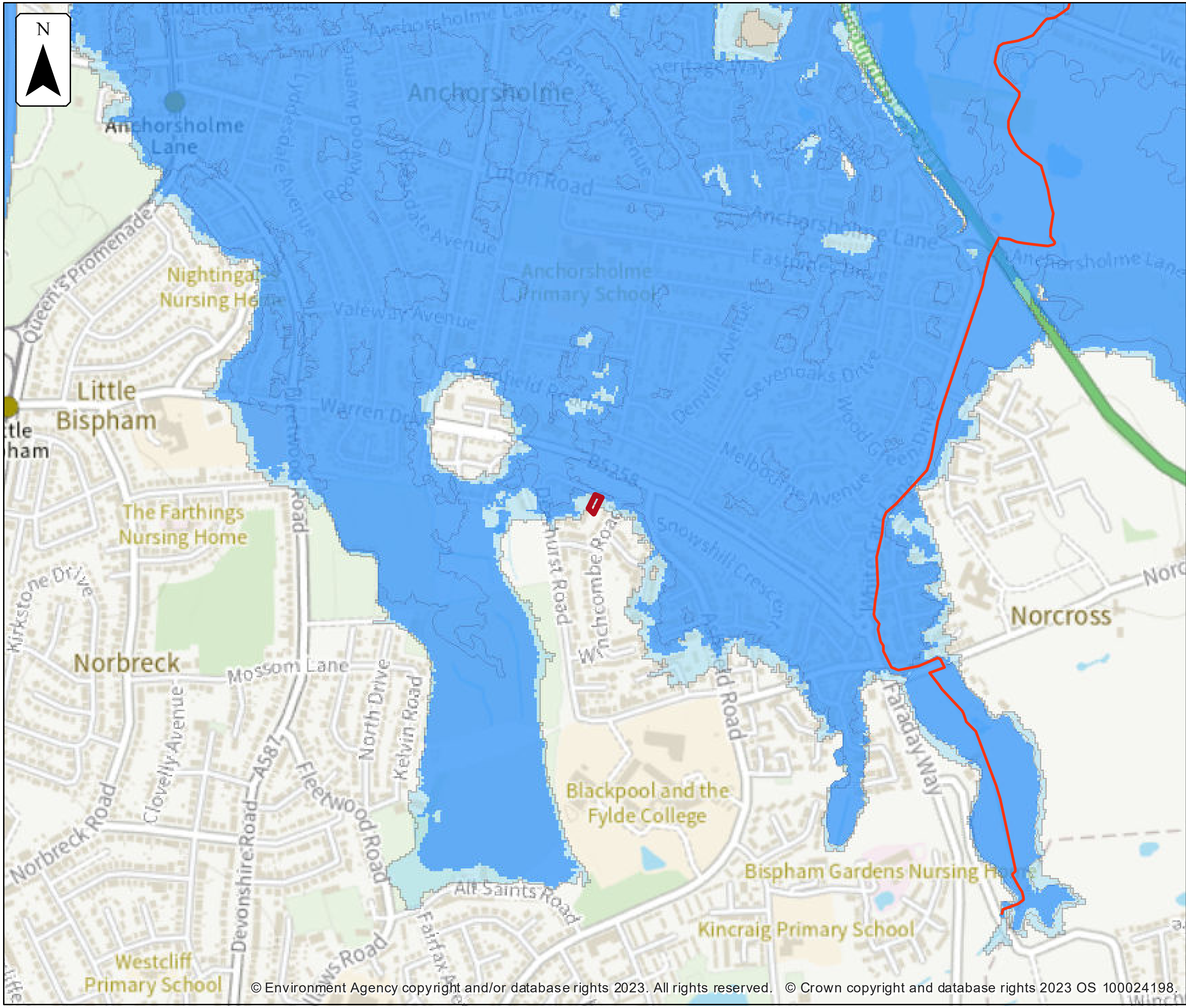
Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- 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.


N
Anchorsholme
Anchorsholme Lane
Little Bispham
The Farthings Nursing Home
Anchorsholme Primary School
Norbreck
Mossom Lane
Norcross
Blackpool and the Fylde College
Kincraig Primary School
Westcliff Primary School
Norbreck Road
Devonshire Road
Fleetwood Road
All Saints Road
Faraday Way
North Drive
Kelvin Road
Clovelly Avenue
Warren Drive
Valeway Avenue
Sevenoaks Drive
Melbourne Avenue
Snowshill Crescent
Winchcombe Road
B5268
A587

Environment Agency

Flood map for planning

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

- 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

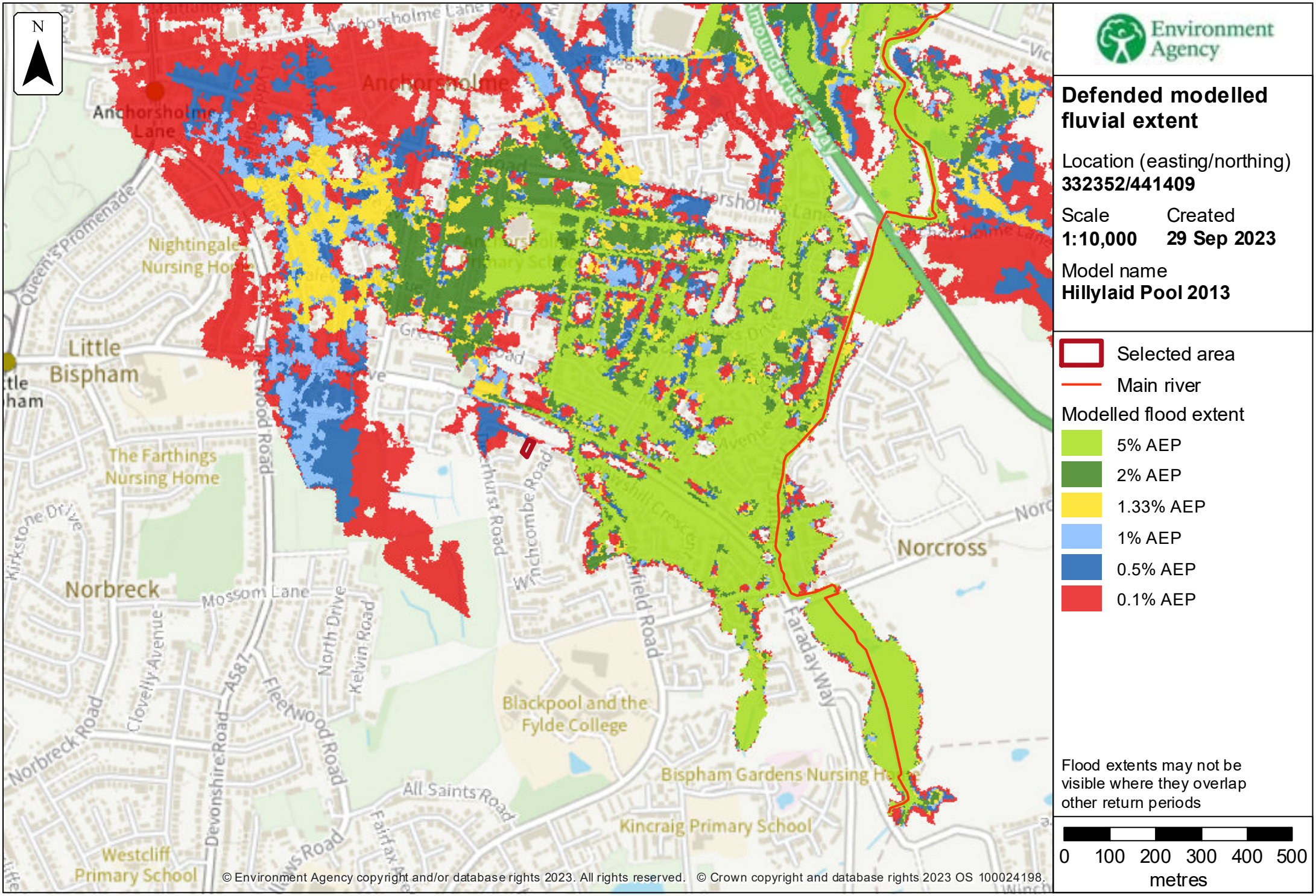
The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

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
- 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



Environment Agency

Defended modelled fluvial extent

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

Model name
Hillylaid Pool 2013

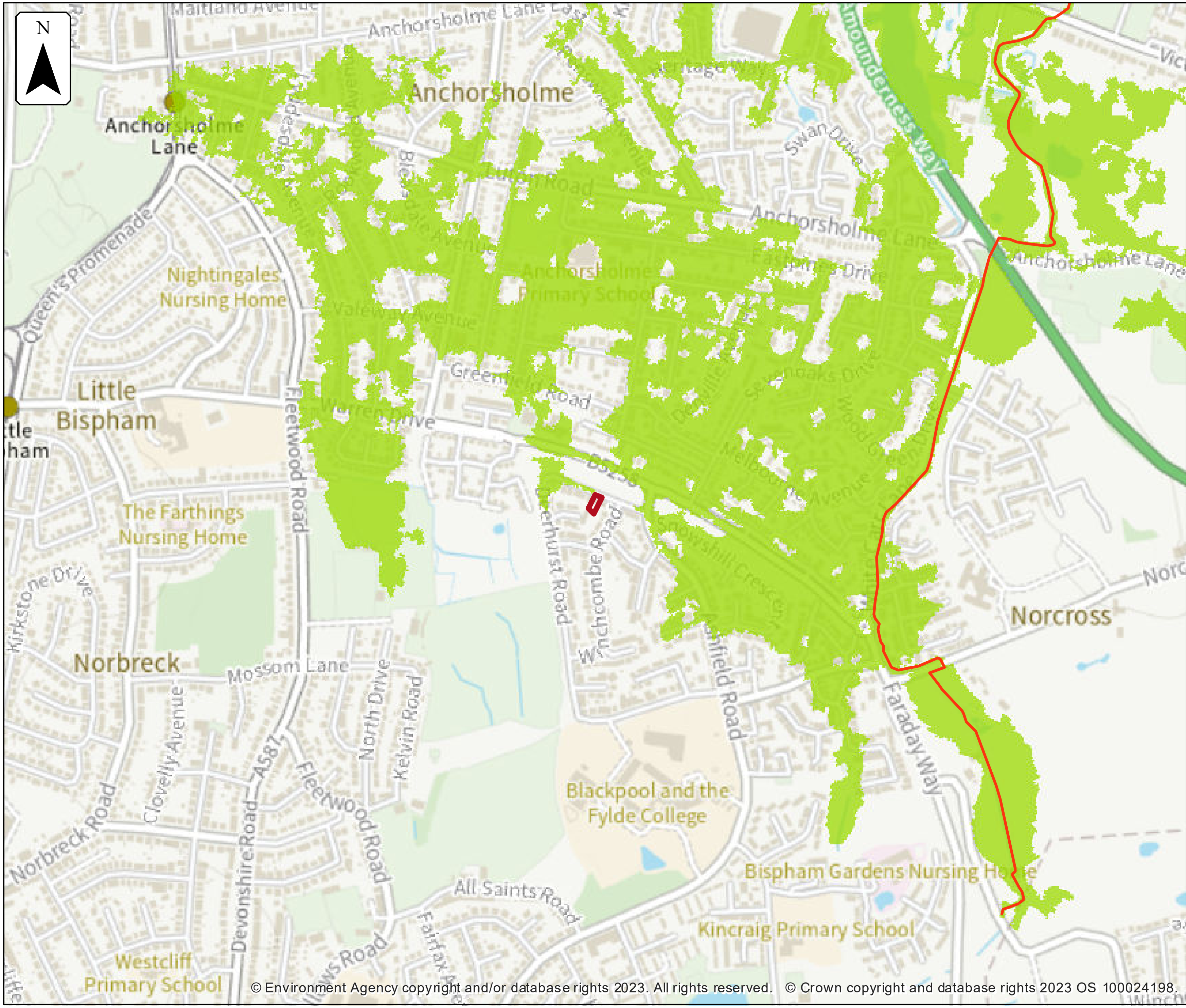
- Selected area
- Main river

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


N
Anchorsholme
Anchorsholme Lane
Anchorsholme Lane East
Queen's Promenade
Nightingales Nursing Home
Anchorsholme Primary School
Valeway Avenue
Greenfield Road
Warren Drive
B5268
Little Bispham
The Farthings Nursing Home
Fleetwood Road
Kirkstone Drive
Norbreck
Mossom Lane
North Drive
Kelvin Road
Winchcombe Road
Ashfield Road
Faraday Way
Norcross
Blackpool and the Fylde College
Bispham Gardens Nursing Home
Kincraig Primary School
All Saints Road
Clovelly Avenue
Norbreck Road
Devonshire Road
A587
Westcliff Primary School
Swan Drive
Amounderness Way
Eastpines Drive
Sevenoaks Drive
Melbourne Avenue
Snowshill Crescent

Environment Agency

Defended climate change modelled fluvial extent

Location (easting/northing)
332352/441409

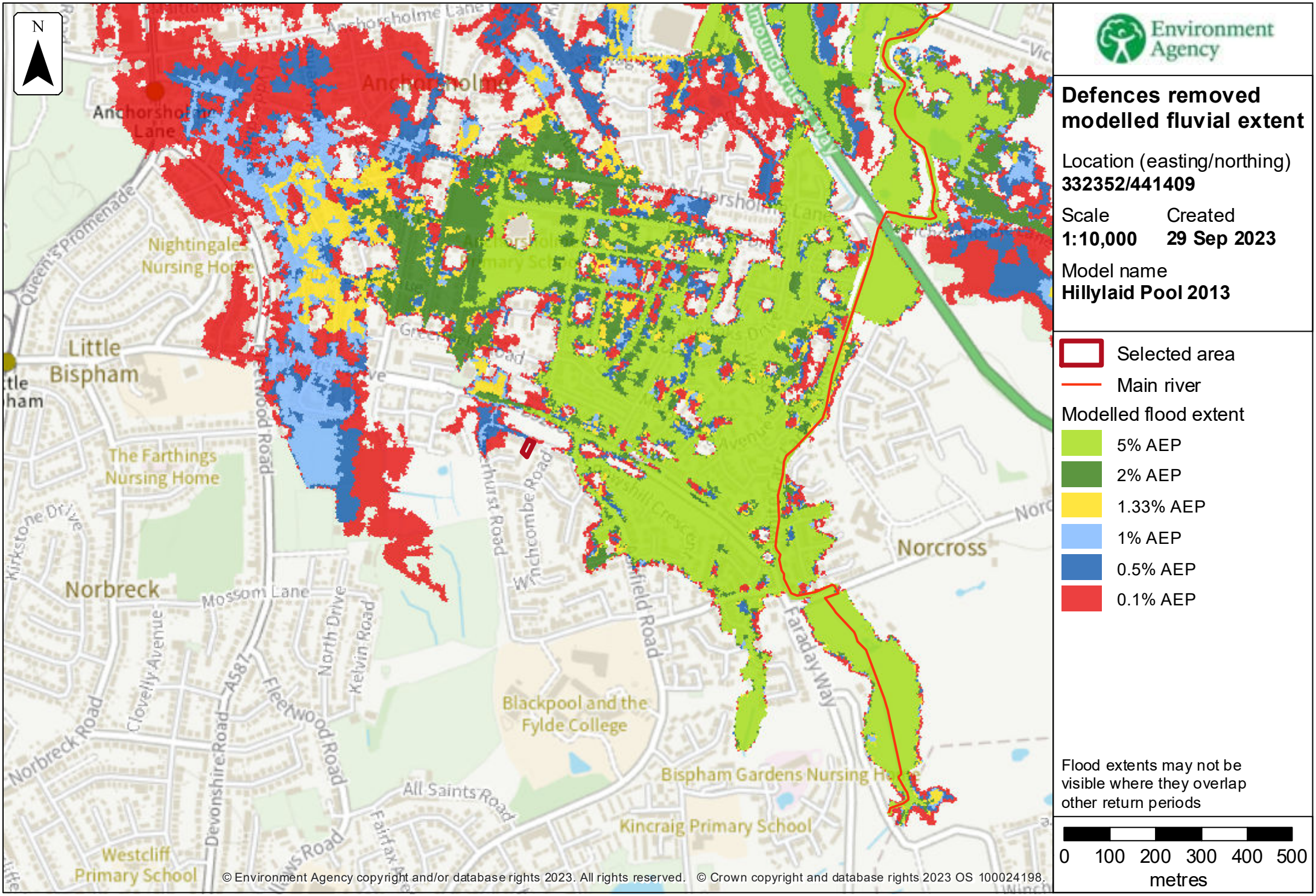
Scale **1:10,000**
Created **29 Sep 2023**

Model name
Hillylaid Pool 2013

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


N
Anchorsholme
Anchorsholme Lane
Queen's Promenade
Nightingale Nursing Home
Little Bispham
The Farthings Nursing Home
Norbreck
Mosson Lane
Norcross
Blackpool and the Fylde College
Bispham Gardens Nursing Home
Kincraig Primary School
Westcliff Primary School
Norbreck Road
Devonshire Road
A587
Fleetwood Road
North Drive
Kelvin Road
Clovelly Avenue
Kirkstone Drive
Winchcombe Road
Faraday Way
All Saints Road
Fairfax Road
Environment Agency
Defences removed modelled fluvial extent
Location (easting/northing)
332352/441409
Scale
1:10,000
Created
29 Sep 2023
Model name
Hillylaid Pool 2013
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
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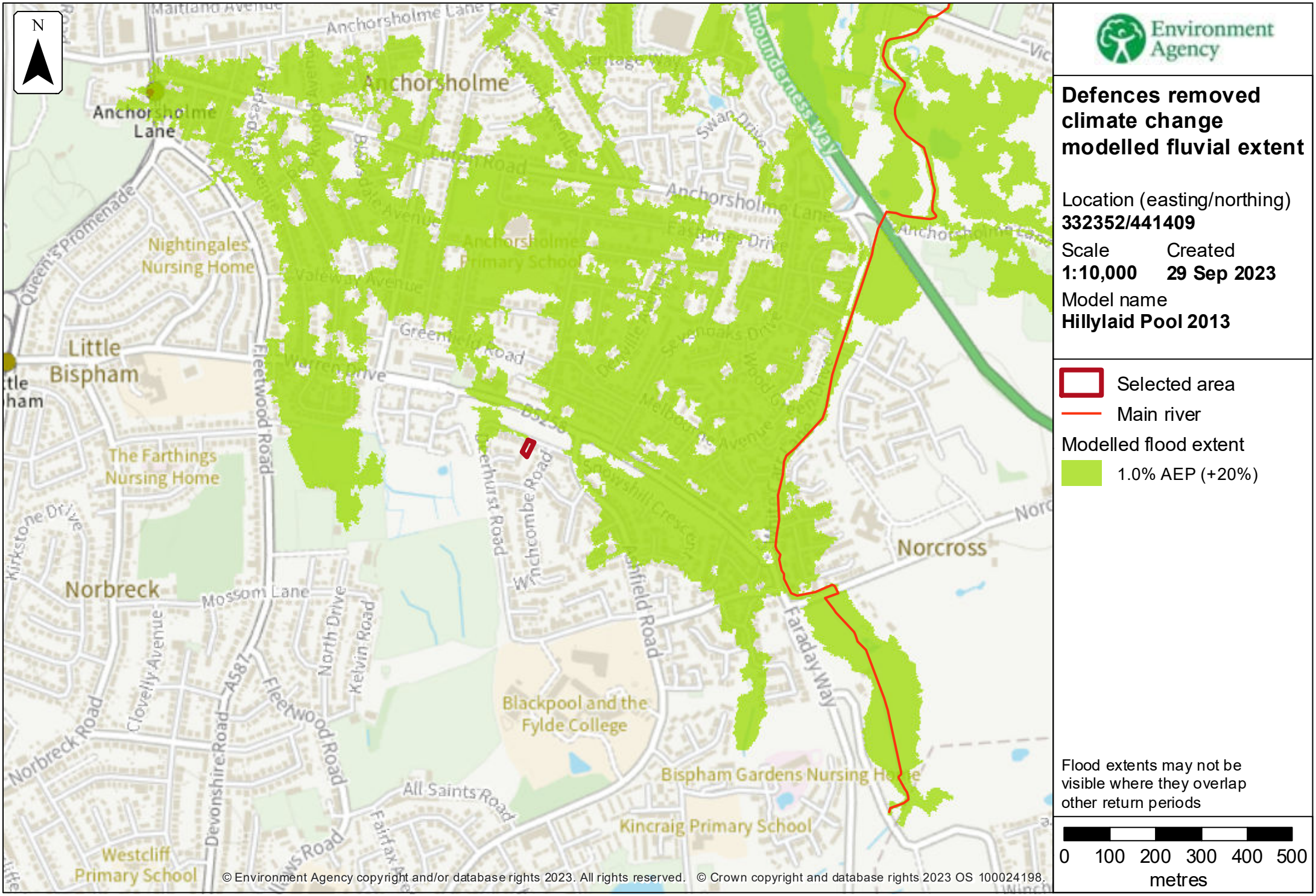
N
Anchorsholme
Anchorsholme Lane
Nightingales Nursing Home
Little Bispham
The Farthings Nursing Home
Norbreck
Mosson Lane
Norcross
Blackpool and the Fylde College
Bispham Gardens Nursing Home
Kincraig Primary School
Westcliff Primary School
Anchorsholme Primary School
Fleetwood Road
Queen's Promenade
Norbreck Road
Devonshire Road
A587
North Drive
Kelvin Road
Clovelly Avenue
All Saints Road
Fairfax Road
Winchcombe Road
Faraday Way
Swan Drive
Greenfield Road
Warren Drive
Kirkstone Drive
Environment Agency
Defences removed climate change modelled fluvial extent
Location (easting/northing)
332352/441409
Scale
1:10,000
Created
29 Sep 2023
Model name
Hillylaid Pool 2013
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
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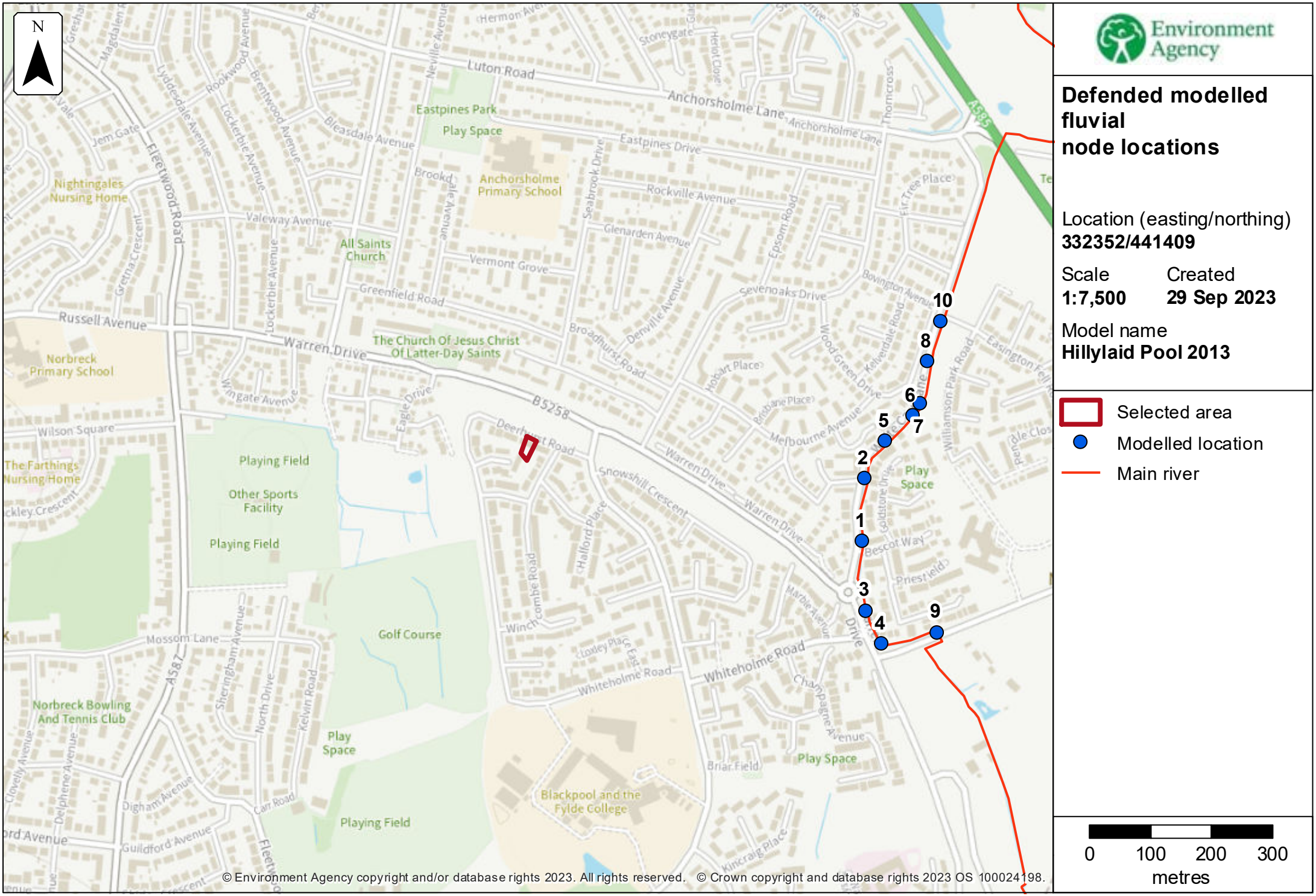
N
Environment Agency
Defended modelled fluvial node locations
Location (easting/northing)
332352/441409
Scale
1:7,500
Created
29 Sep 2023
Model name
Hillylaid Pool 2013
Selected area
Modelled location
Main river
1
2
3
4
5
6
7
8
9
10
0
100
200
300
metres
Luton Road
Anchorsholme Lane
Eastpines Park
Play Space
Anchorsholme Primary School
Nightingales Nursing Home
Fleetwood Road
Valeway Avenue
All Saints Church
Greenfield Road
Russell Avenue
Warren Drive
The Church Of Jesus Christ Of Latter-Day Saints
Norbreck Primary School
B5258
Wilson Square
The Farthings Nursing Home
Playing Field
Other Sports Facility
Golf Course
Mossom Lane
A587
Norbreck Bowling And Tennis Club
Play Space
Playing Field
Blackpool and the Fylde College
Whiteholme Road
Snowshill Crescent
Deerhurst Road
Eastpines Drive
Rockville Avenue
Glenarden Avenue
Vermont Grove
Broadhurst Road
Denville Avenue
Sevenoaks Drive
Melbourne Avenue
Play Space
Priestfield
Bescot Way
Champagne Avenue
Briar Field
Play Space
A585
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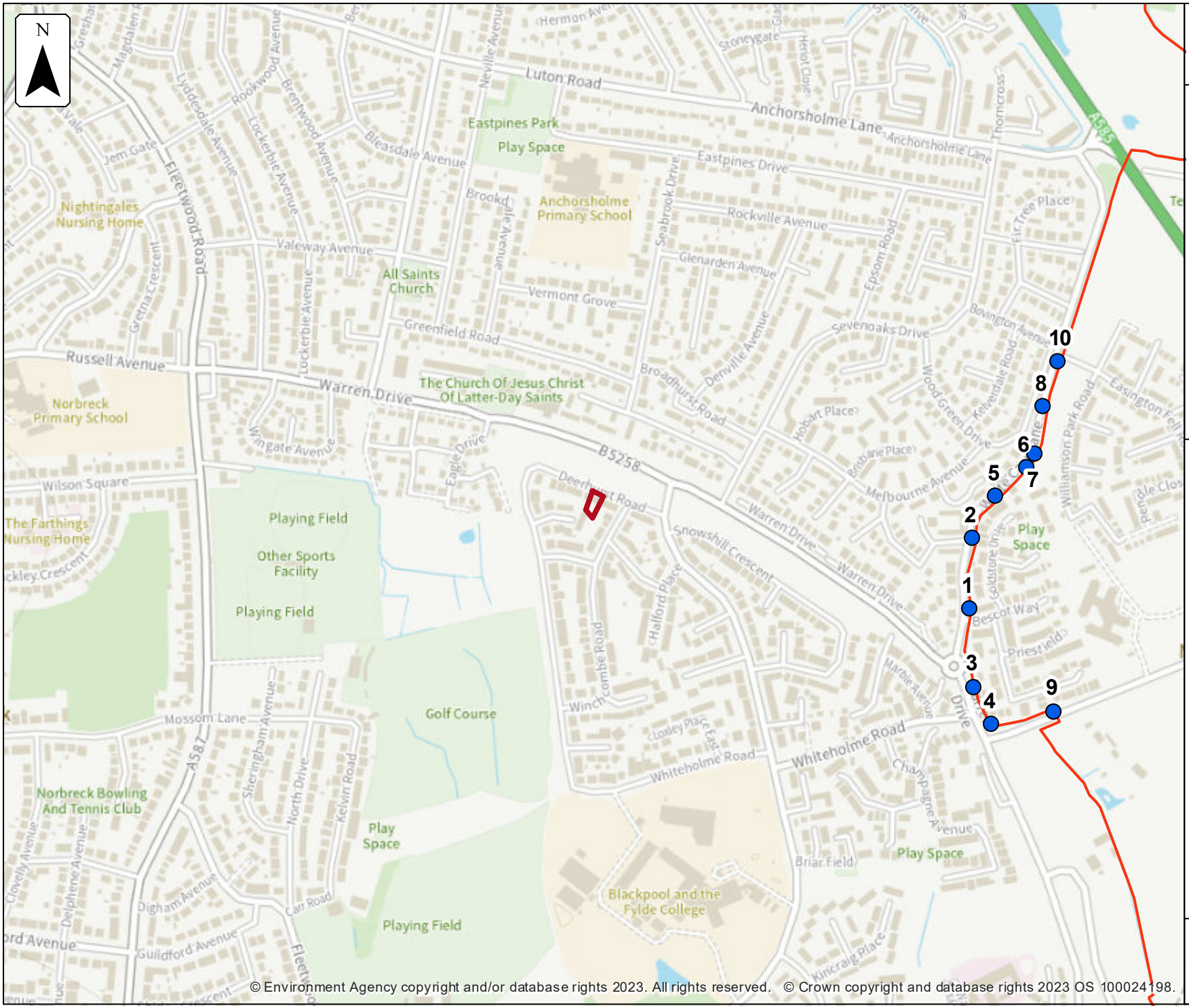
Modelled node locations data

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	992784	332901	441256	4.47	0.53	4.50	0.43	4.53	0.29	4.55	0.35	4.57	0.37	4.73	0.50
2	992854	332905	441358	4.46	0.61	4.49	0.60	4.51	0.62	4.53	0.66	4.55	0.75	4.66	1.0
3	992805	332908	441141	4.48	1.28	4.50	1.47	4.53	1.56	4.54	1.68	4.56	1.96	4.65	2.85
4	992809	332932	441086	4.48	1.84	4.51	2.27	4.53	2.49	4.54	2.68	4.57	3.14	4.65	4.70
5	992812	332938	441420	4.46	0.73	4.49	0.70	4.51	0.72	4.52	0.75	4.55	0.69	4.65	0.81
6	992926	332984	441461	4.46	0.80	4.49	0.76	4.51	0.78	4.52	0.68	4.55	0.72	4.65	0.74
7	992945	332997	441482	4.46	0.80	4.50	0.76	4.53	0.78	4.54	0.68	4.57	0.72	4.65	0.74
8	992862	333009	441552	4.46	0.83	4.50	0.82	4.52	0.84	4.53	0.87	4.56	0.82	4.64	0.91
9	992847	333024	441106	4.50	0.71	4.52	0.74	4.55	0.74	4.56	0.75	4.60	0.78	4.70	0.83
10	992820	333029	441617	4.47	1.0	4.51	1.04	4.54	1.03	4.56	1.10	4.59	1.14	4.64	1.23

Data in this table comes from the Hillylaid Pool 2013 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)
332352/441409

Scale
1:7,500

Created
29 Sep 2023

Model name
Hillylaid Pool 2013

- Selected area
- Modelled location
- Main river

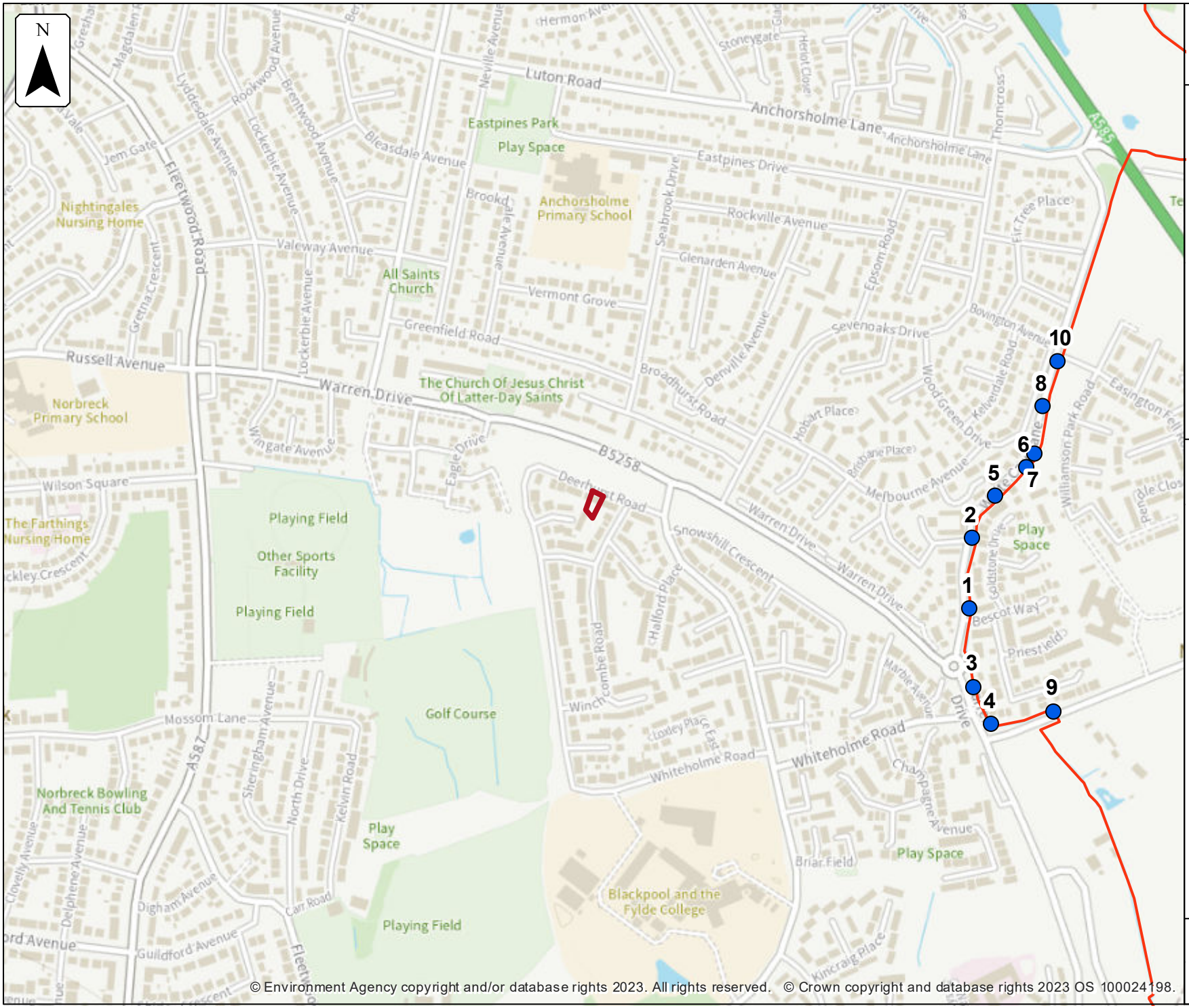
0 100 200 300
metres

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	992784	332901	441256	4.57	0.40
2	992854	332905	441358	4.55	0.73
3	992805	332908	441141	4.57	2.02
4	992809	332932	441086	4.57	3.23
5	992812	332938	441420	4.55	0.70
6	992926	332984	441461	4.55	0.37
7	992945	332997	441482	4.57	0.36
8	992862	333009	441552	4.57	0.82
9	992847	333024	441106	4.60	0.78
10	992820	333029	441617	4.60	1.14

Data in this table comes from the Hillylaid Pool 2013 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)
332352/441409

Scale
1:7,500

Created
29 Sep 2023

Model name
Hillylaid Pool 2013

- Selected area
- Modelled location
- Main river

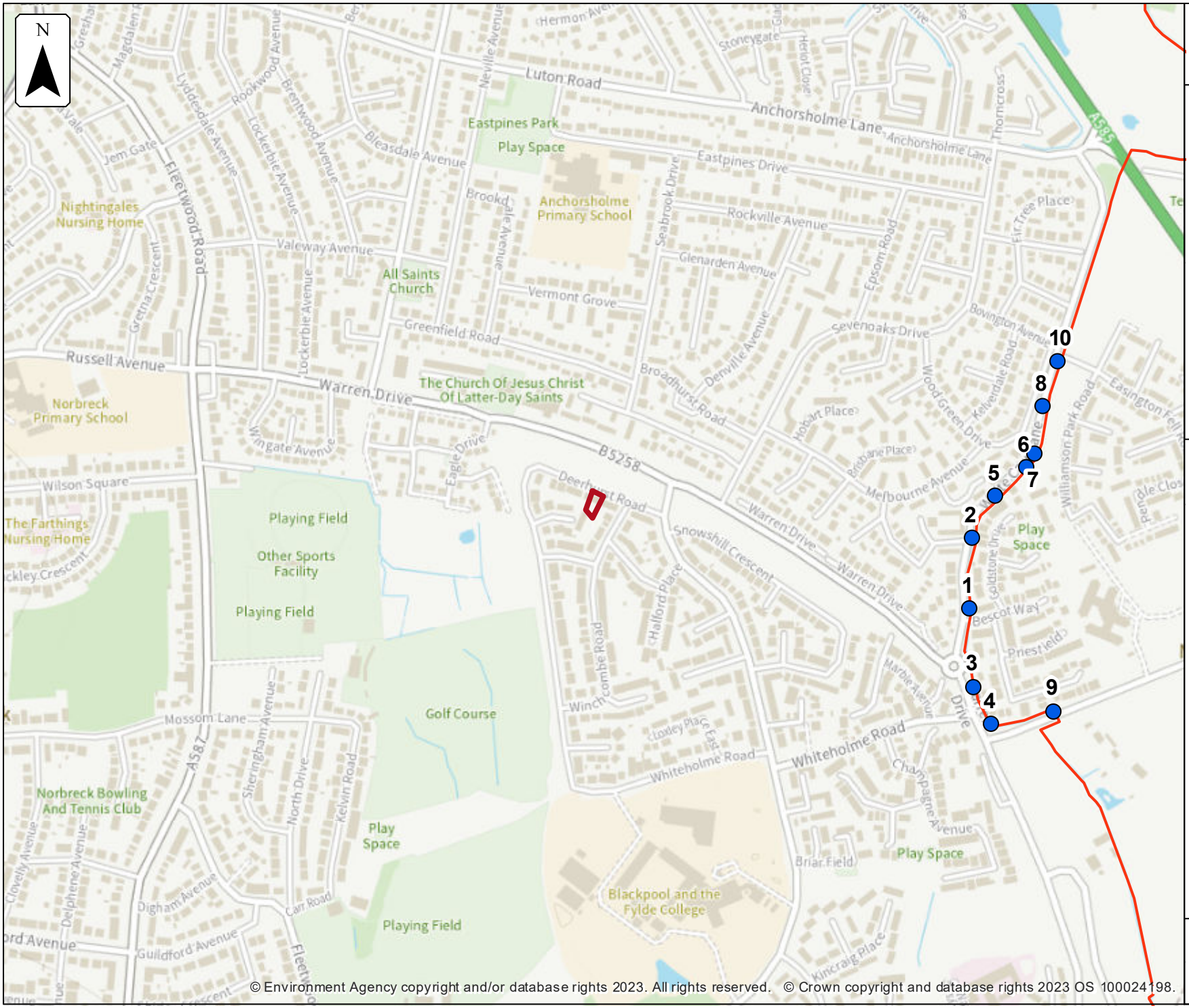
0 100 200 300
metres

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	992784	332901	441256	4.47	0.30	4.50	0.25	4.52	0.36	4.53	0.36	4.56	0.38	4.76	0.53
2	992854	332905	441358	4.47	0.53	4.50	0.52	4.51	0.57	4.53	0.58	4.55	0.70	4.66	0.97
3	992805	332908	441141	4.48	1.26	4.51	1.43	4.53	1.56	4.54	1.66	4.57	1.96	4.66	2.91
4	992809	332932	441086	4.49	1.84	4.51	2.27	4.53	2.48	4.54	2.67	4.57	3.13	4.66	4.78
5	992812	332938	441420	4.47	0.68	4.50	0.62	4.51	0.68	4.53	0.67	4.55	0.60	4.64	0.71
6	992926	332984	441461	4.47	0.76	4.50	0.70	4.51	0.41	4.53	0.33	4.55	0.36	4.64	0.54
7	992945	332997	441482	4.48	0.76	4.50	0.70	4.53	0.41	4.55	0.33	4.60	0.36	4.77	0.54
8	992862	333009	441552	4.48	0.79	4.50	0.74	4.54	0.79	4.55	0.77	4.57	0.72	4.70	1.22
9	992847	333024	441106	4.50	0.72	4.53	0.71	4.55	0.73	4.56	0.75	4.60	0.77	4.72	0.83
10	992820	333029	441617	4.50	1.01	4.50	1.08	4.57	1.09	4.57	1.10	4.62	1.14	4.73	1.22

Data in this table comes from the Hillylaid Pool 2013 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)
332352/441409

Scale
1:7,500

Created
29 Sep 2023

Model name
Hillylaid Pool 2013

- Selected area
- Modelled location
- Main river

0 100 200 300
metres

Modelled node locations data

Defences removed climate change

Label	Modelled location ID	Easting	Northing	1.0% AEP (+20%)	
				Level	Flow
1	992784	332901	441256	4.56	0.40
2	992854	332905	441358	4.56	0.70
3	992805	332908	441141	4.57	2.0
4	992809	332932	441086	4.57	3.21
5	992812	332938	441420	4.56	0.69
6	992926	332984	441461	4.56	0.37
7	992945	332997	441482	4.60	0.36
8	992862	333009	441552	4.58	0.80
9	992847	333024	441106	4.60	0.78
10	992820	333029	441617	4.64	1.15

Data in this table comes from the Hillylaid Pool 2013 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.

Fluvial Flood Levels Map: Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

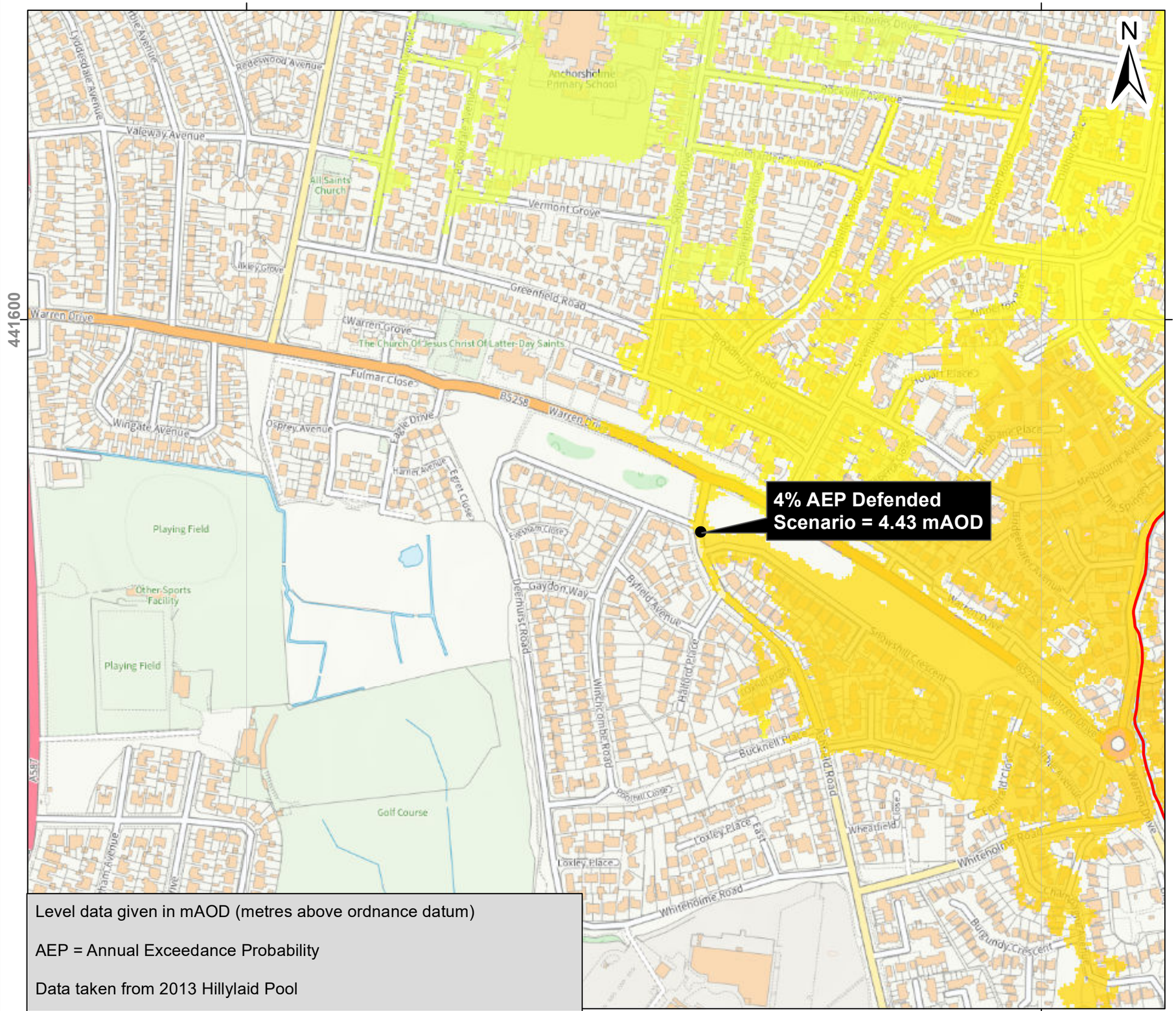
Statutory Main Rivers

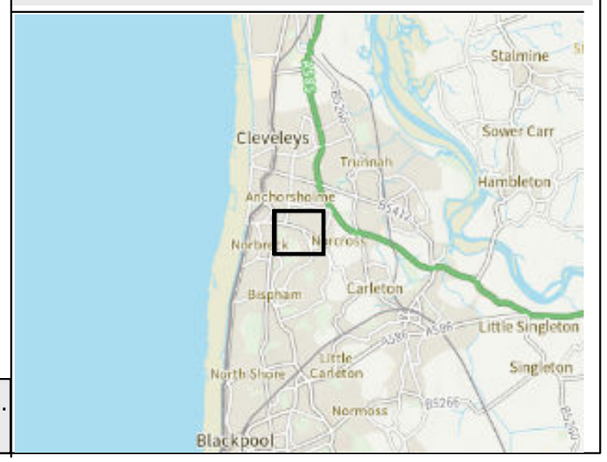
4% AEP Defended Scenario

mAOD

High : 5

Low : 3





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

Fluvial Flood Levels Map: Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

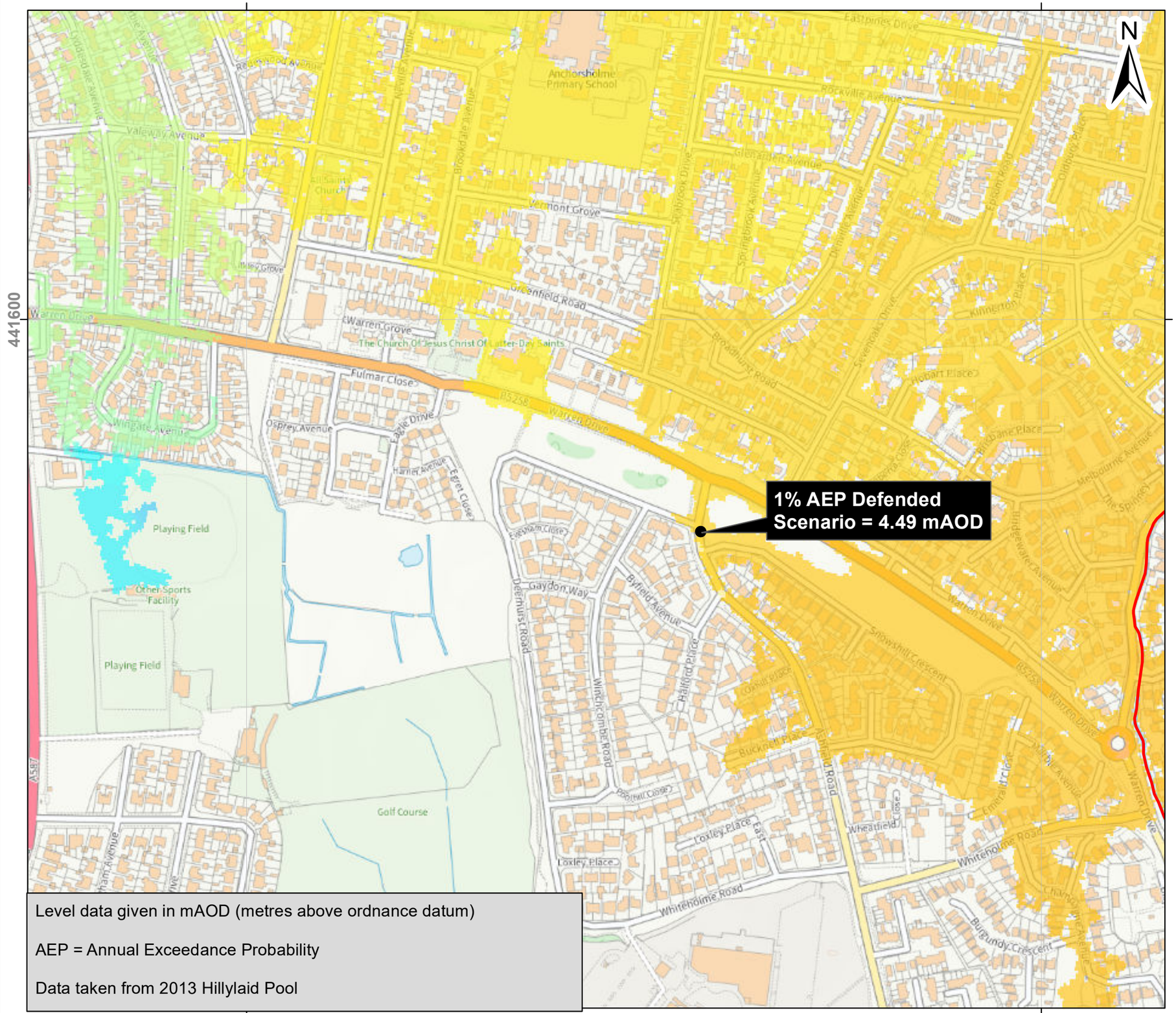
Statutory Main Rivers

1% AEP Defended Scenario

mAOD

High : 5

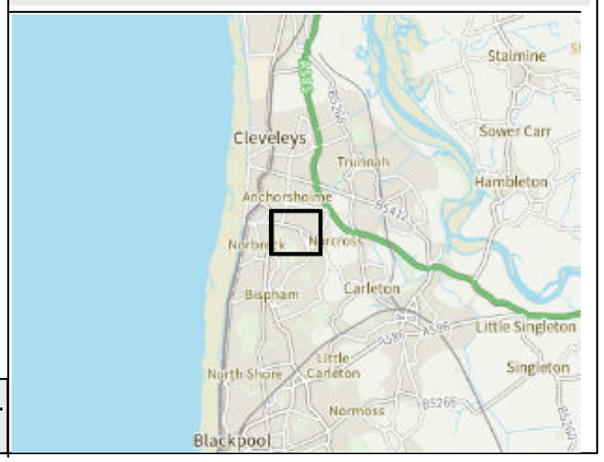
Low : 3



Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

Data taken from 2013 Hillylaid Pool



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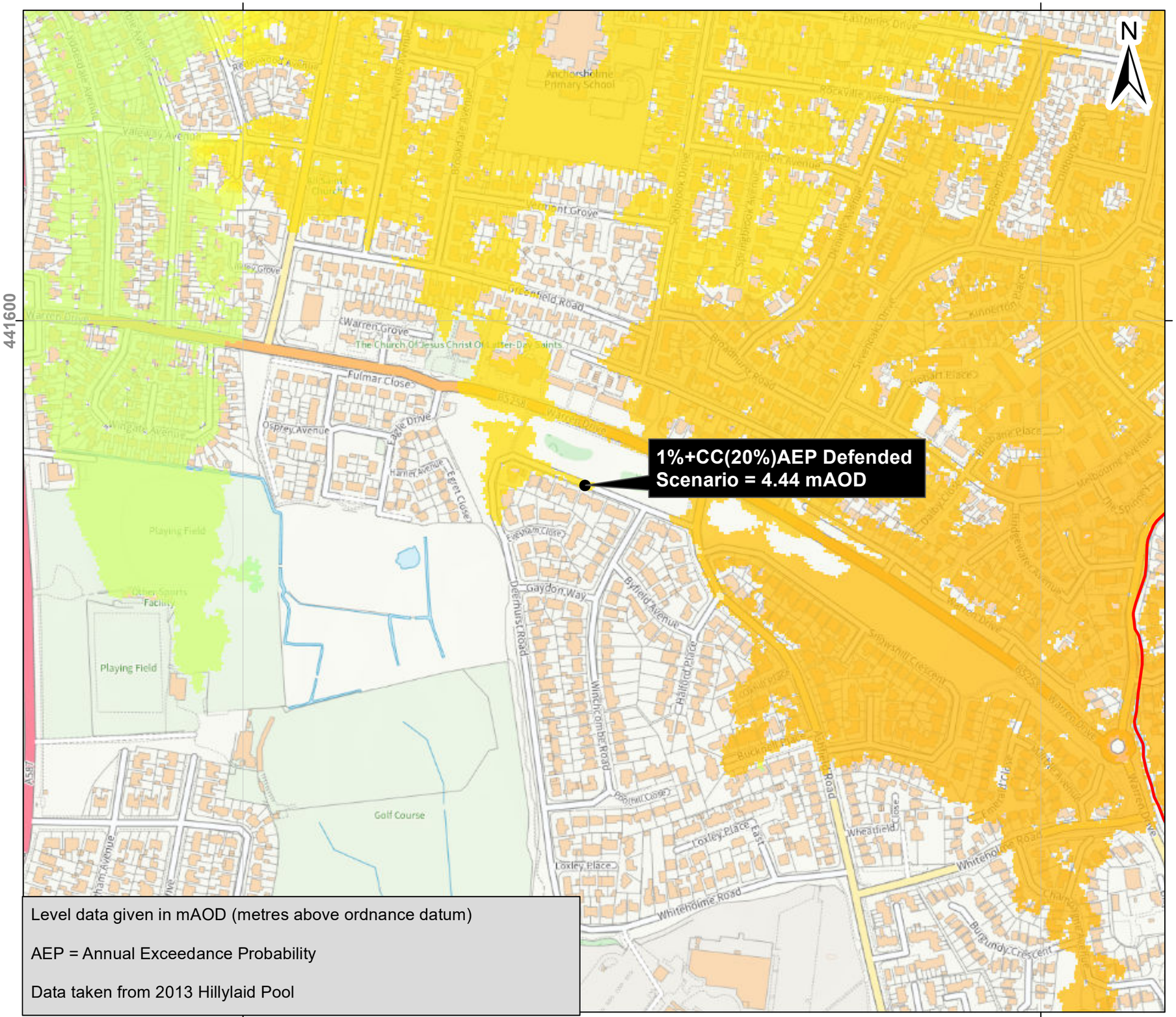


Environment Agency

Fluvial Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
3322/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

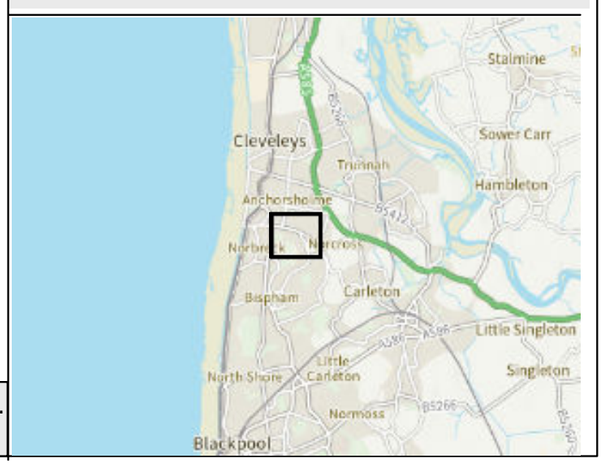
Statutory Main Rivers

1%+Climate Change(+20%) AEP Defended

mAOD

High : 5

Low : 3



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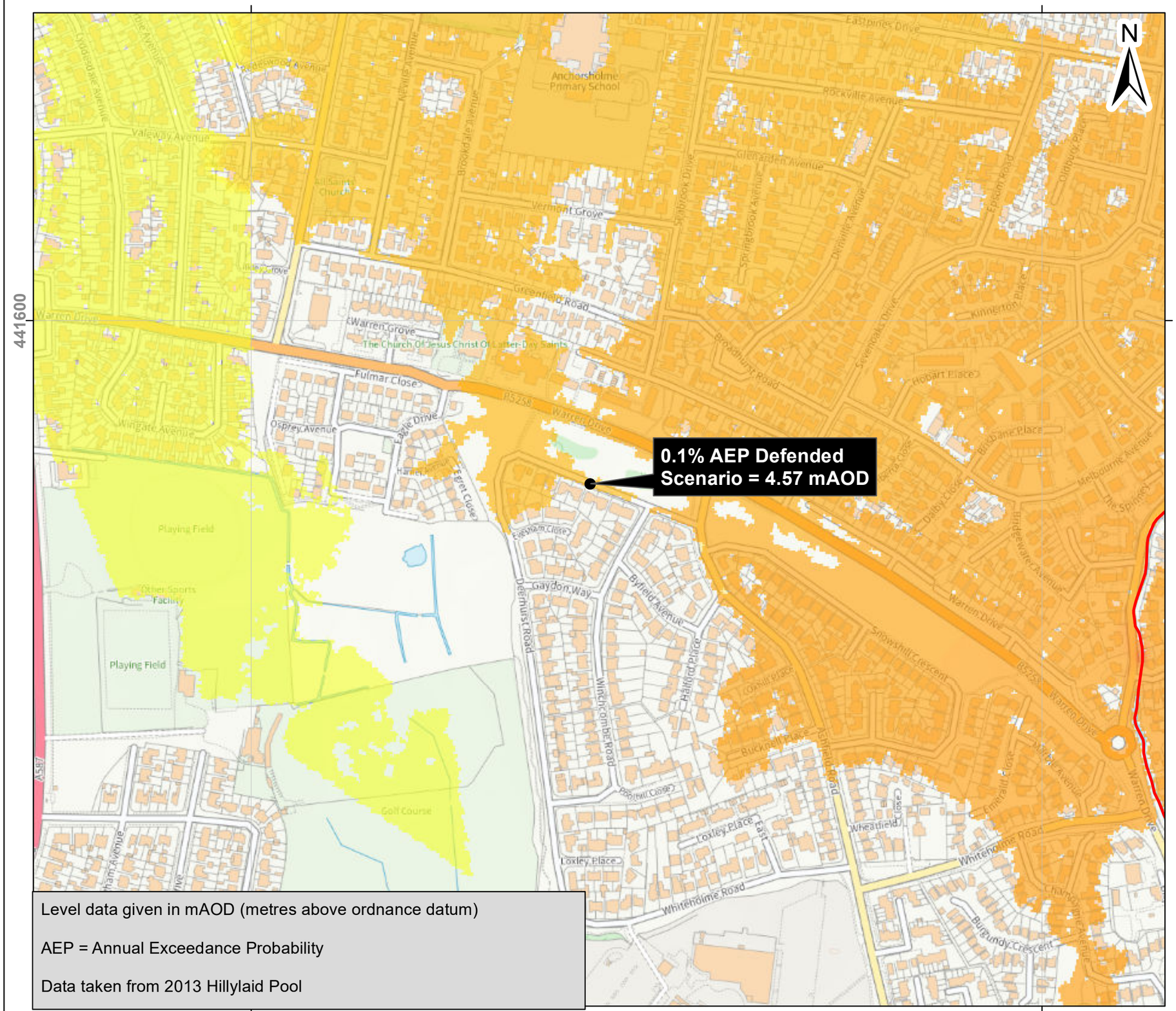

Fluvial Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

Data taken from 2013 Hillylaid Pool

Key

〰 **Statutory Main Rivers**

0.1% AEP Defended Scenario

mAOD

🟥 High : 5

🟦 Low : 3

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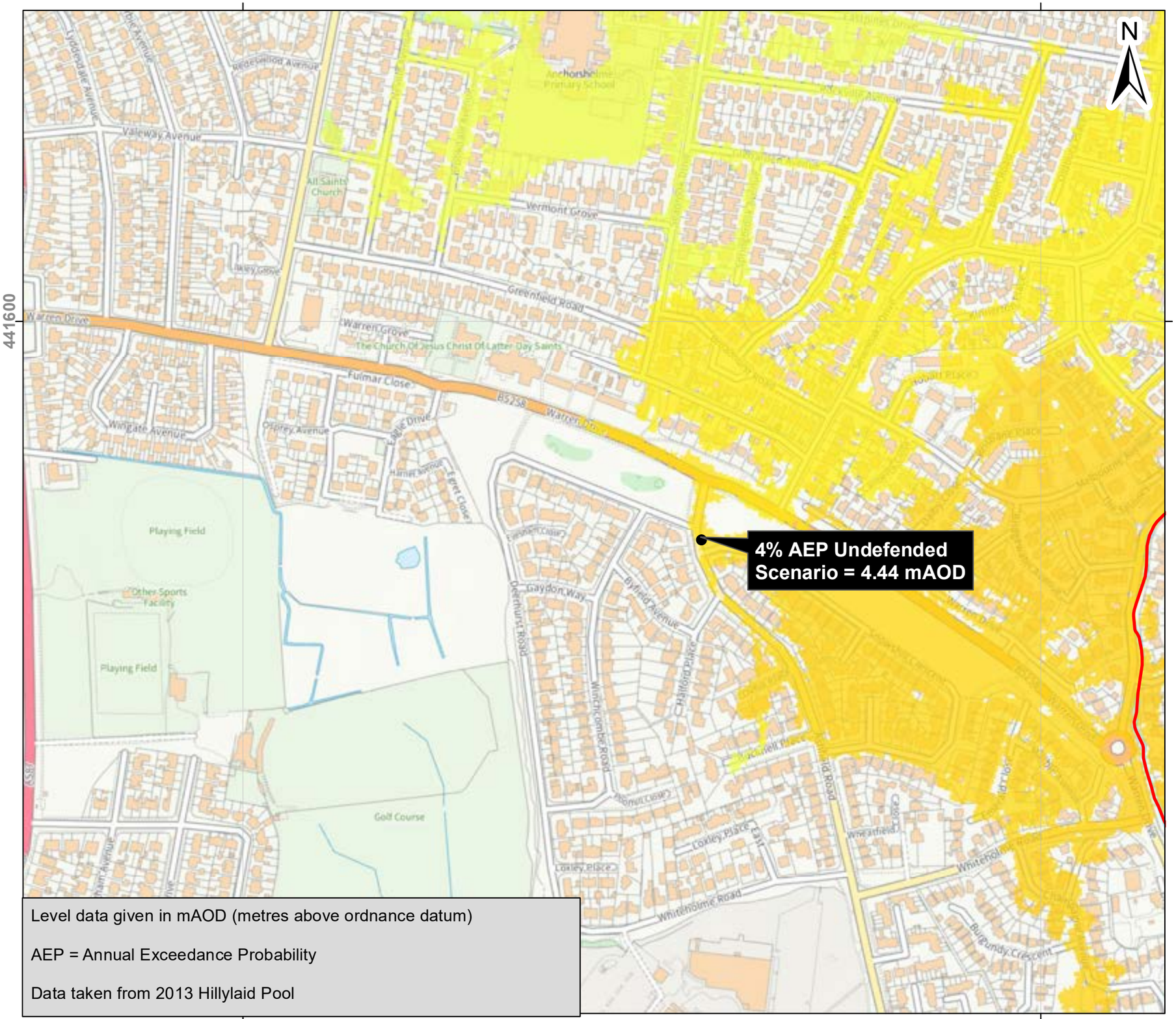

Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

Data taken from 2013 Hillylaid Pool

Environment Agency

Fluvial Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

Statutory Main Rivers

4% AEP Undefended Scenario

mAOD

High : 5

Low : 3

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Fluvial Flood Levels Map: Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

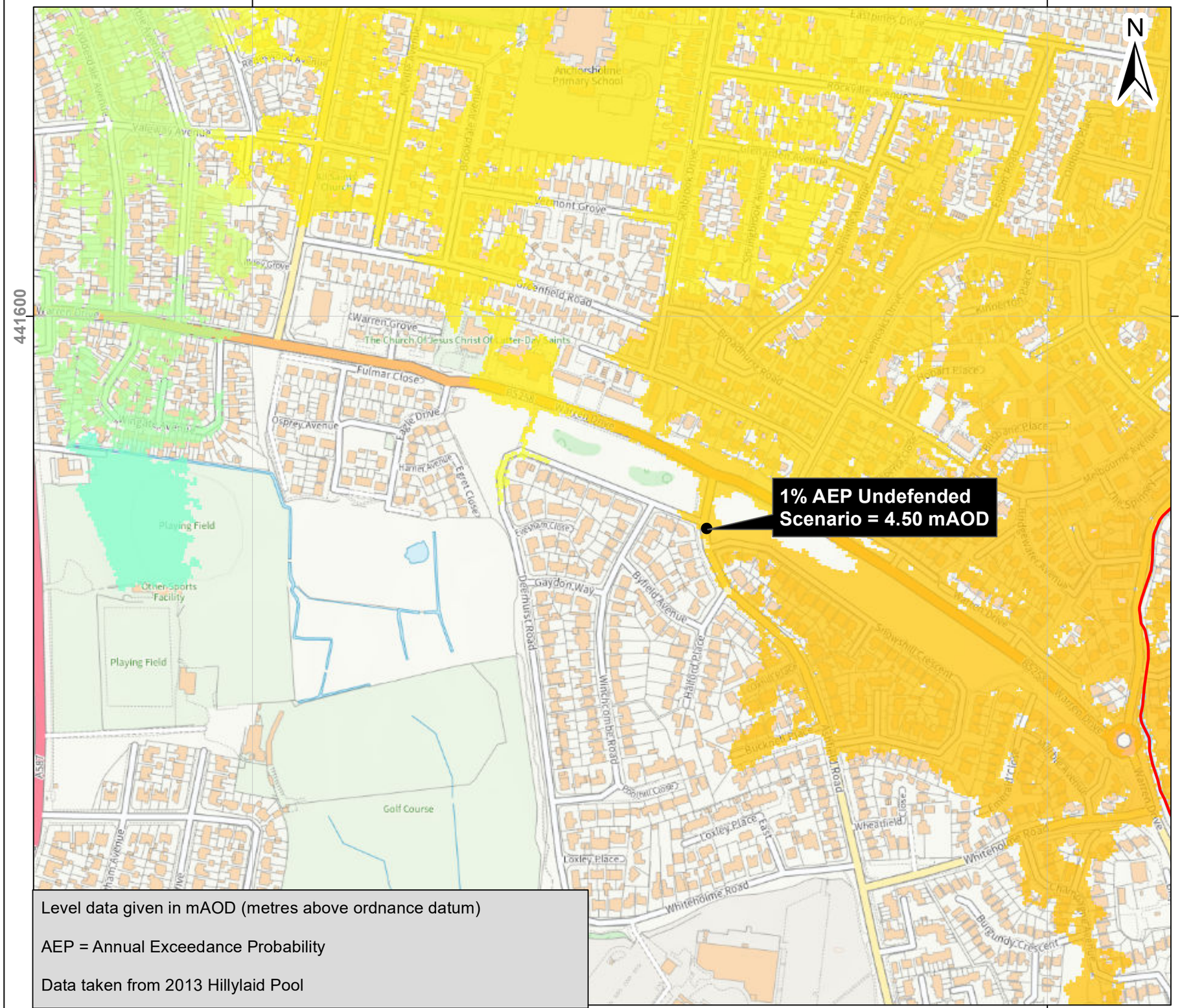
Statutory Main Rivers

1% AEP Undefended Scenario

mAOD

High : 5

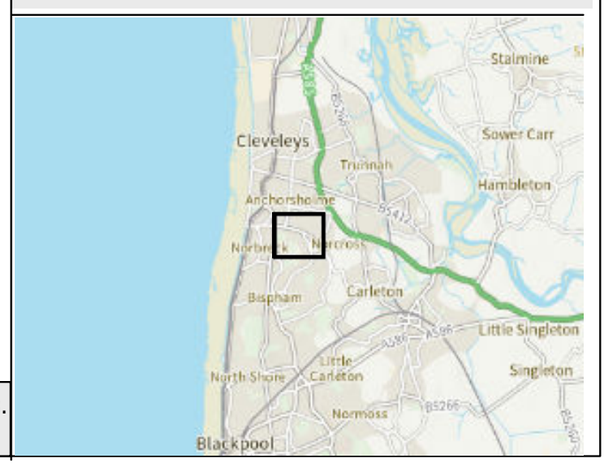
Low : 3



Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

Data taken from 2013 Hillylaid Pool



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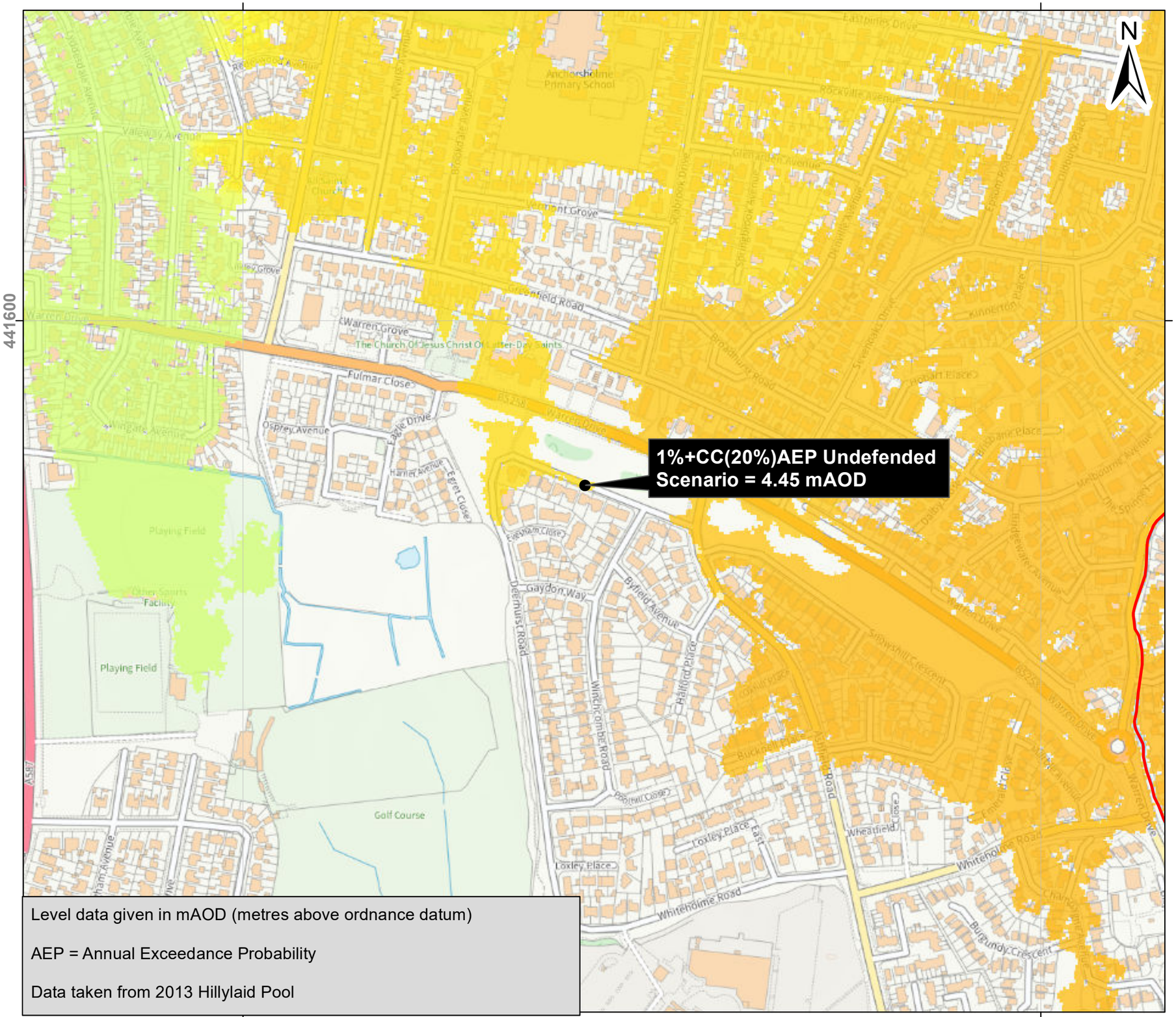


Environment Agency

Fluvial Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

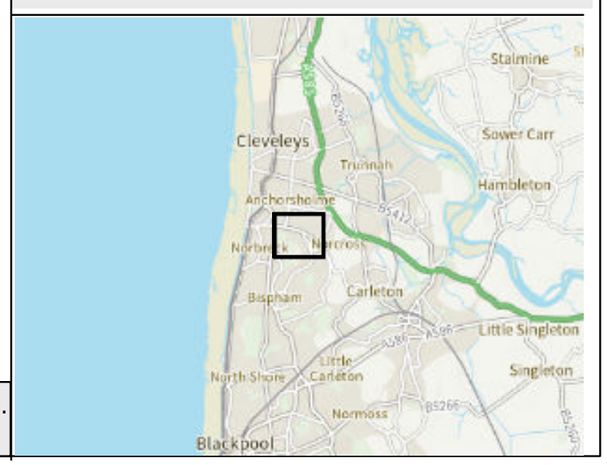
Statutory Main Rivers

1%+Climate Change(+20%) AEP Undefended

mAOD

High : 5

Low : 3



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Fluvial Flood Levels Map: Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Hillylaid Pool 2013
Created: 29/09/2023

Key

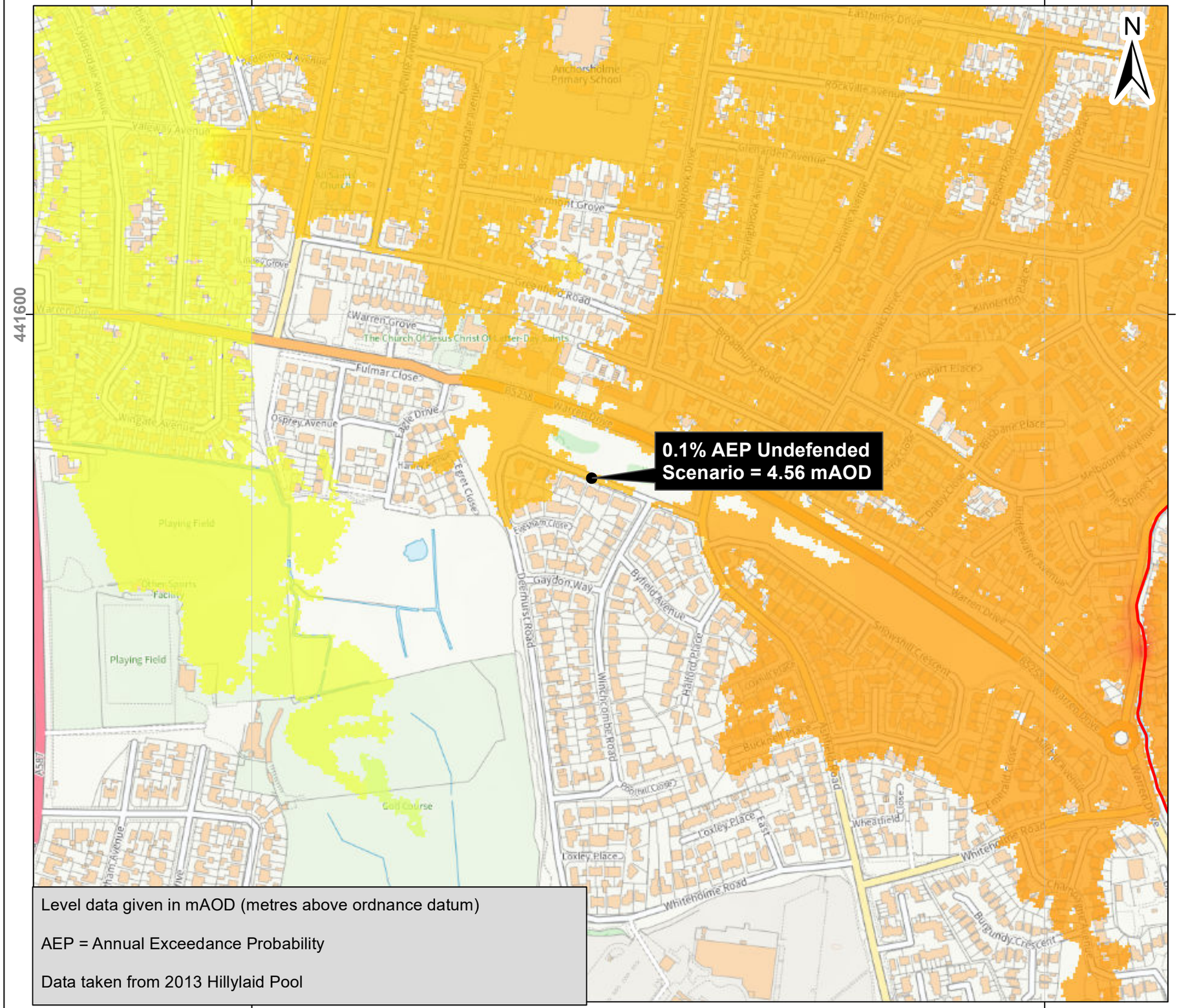
Statutory Main Rivers

0.1% AEP Undefended Scenario

mAOD

High : 5

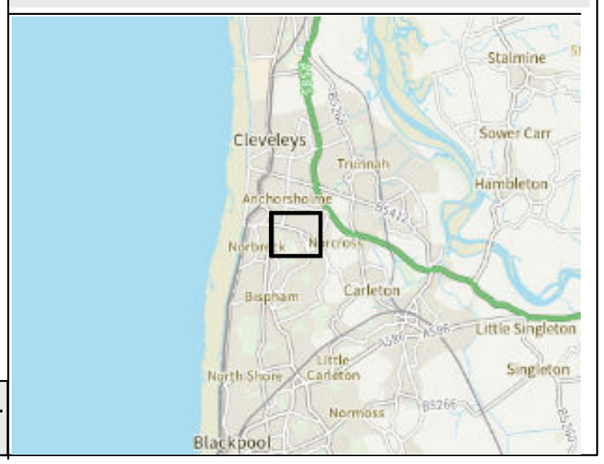
Low : 3



Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

Data taken from 2013 Hillylaid Pool



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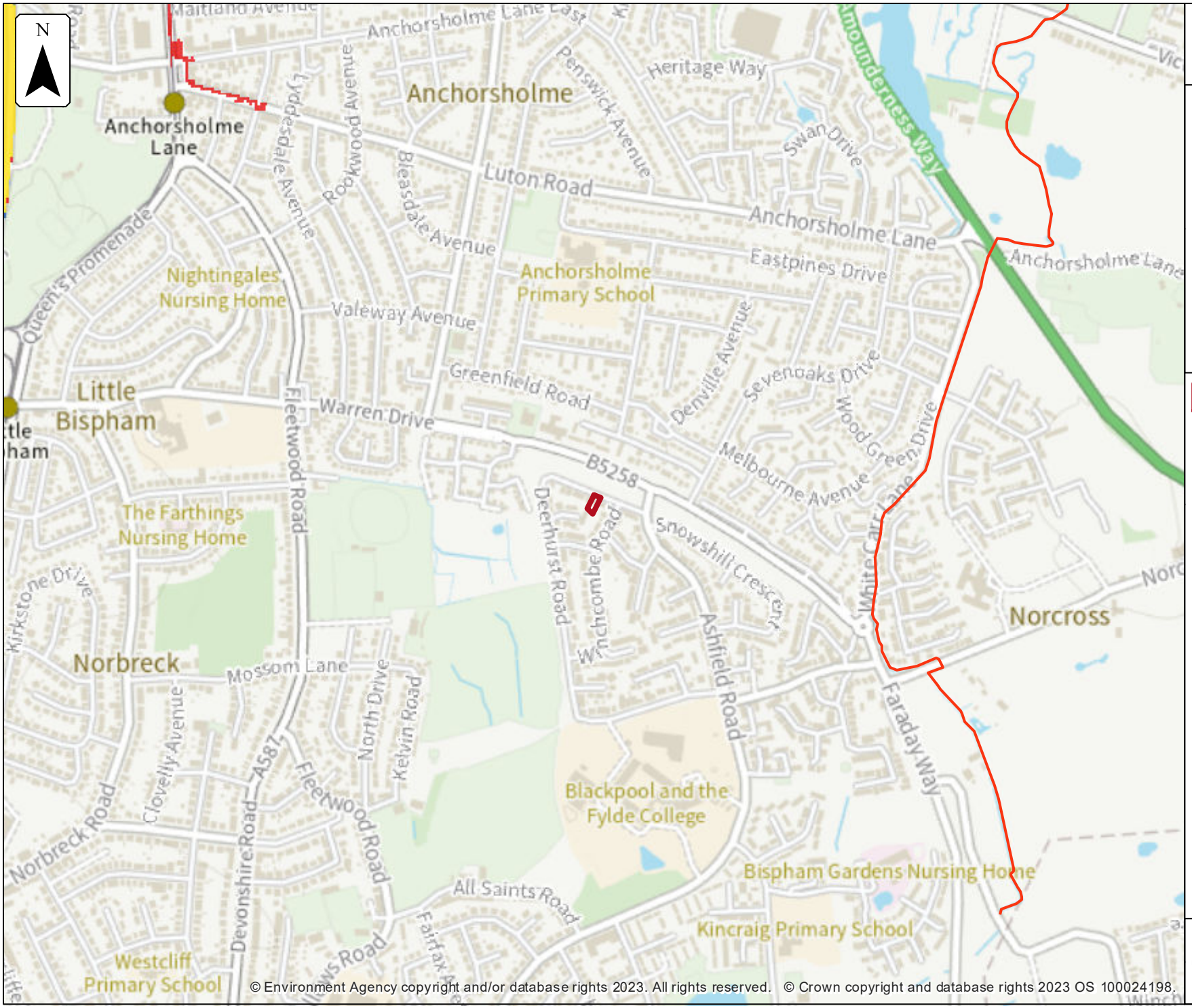


Environment Agency

Defended modelled tidal extent

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

Model name
Wyre Estuary Tidal 2014

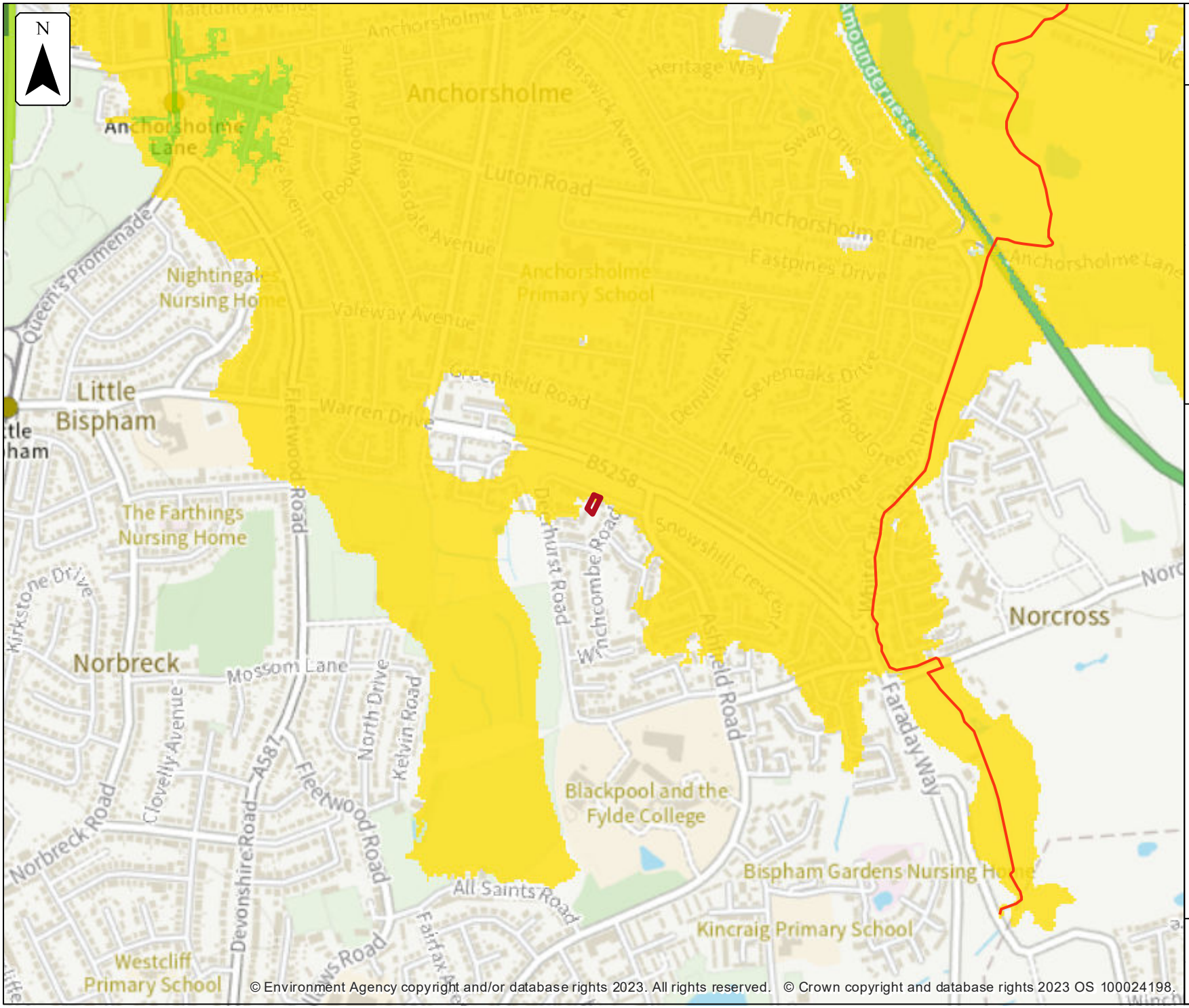
- Selected area
- Main river

Modelled flood extent

- 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

Defended climate change modelled tidal extent

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

Model name
Wyre Estuary Tidal 2014

Selected area

Main river

Modelled flood extent

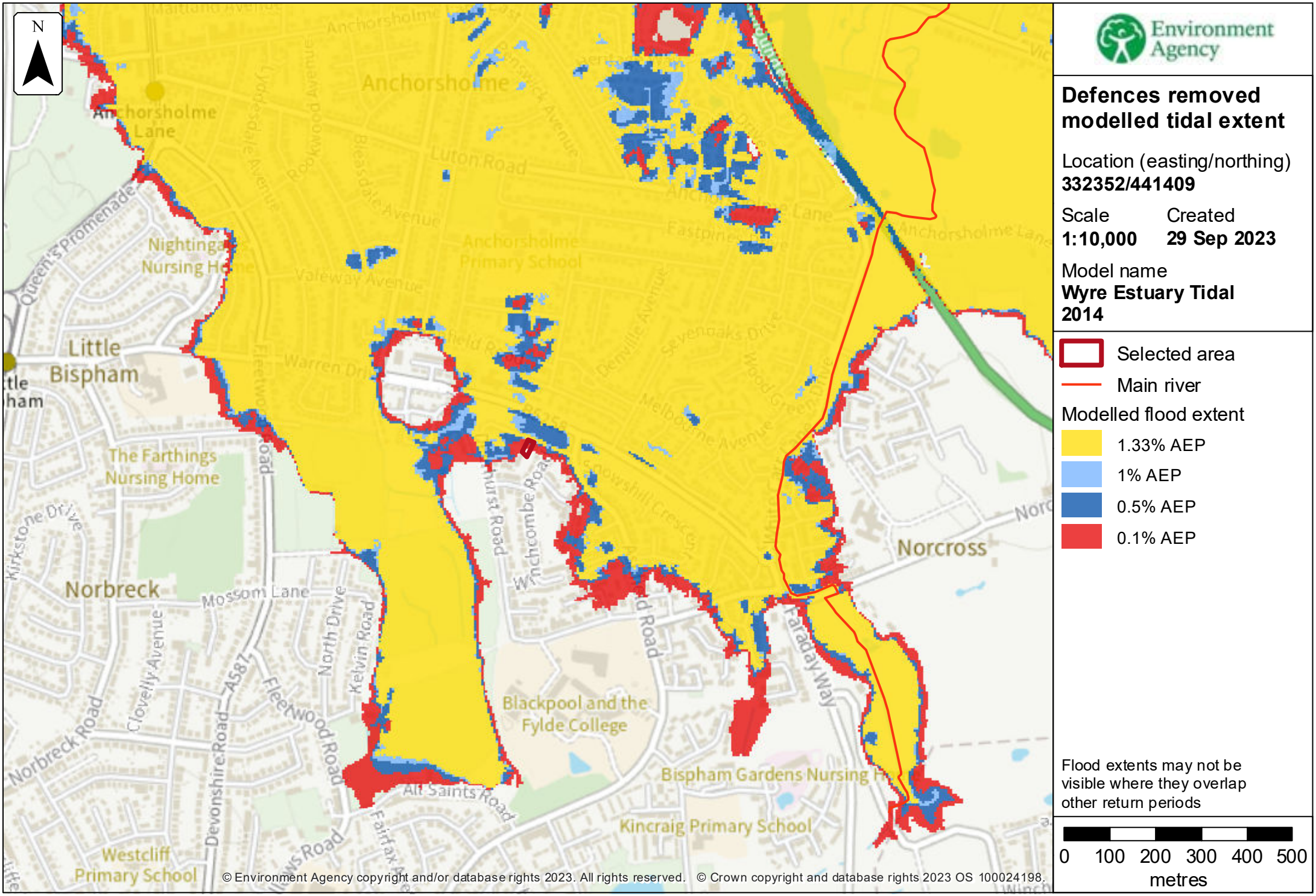
0.5% AEP (+370mm)

0.5% AEP (+670mm)

0.5% AEP (+970mm)

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

0 100 200 300 400 500
metres



Environment Agency

Defences removed modelled tidal extent

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

Model name
Wyre Estuary Tidal 2014

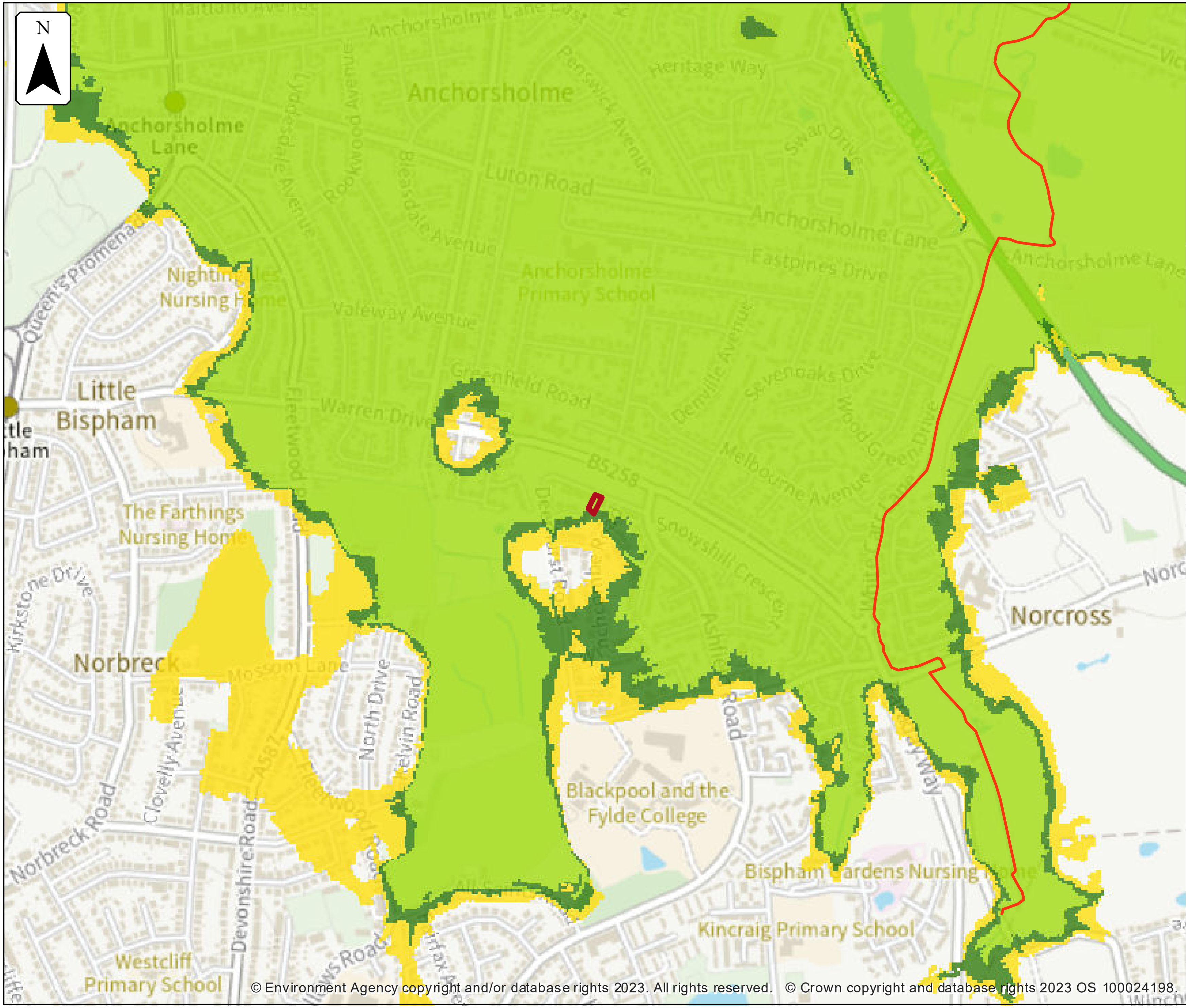
- Selected area
- Main river

Modelled flood extent

- 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


N
Anchorsholme
Anchorsholme Lane
Luton Road
Anchorsholme Lane
Heritage Way
Eastpines Drive
Anchorsholme Primary School
Valeway Avenue
Greenfield Road
Warren Drive
B5268
Snowshill Crescent
Melbourne Avenue
Sevenoaks Drive
Queen's Promenade
Nightingales Nursing Home
Little Bispham
The Farthings Nursing Home
Norbreck
Mossom Lane
North Drive
Kelvin Road
Norbreck Road
Clovelly Avenue
Devonshire Road
Blackpool and the Fylde College
Bispham Gardens Nursing Home
Kincraig Primary School
Westcliff Primary School
Norcross
Kirkstone Drive

Environment Agency

Defences removed climate change modelled tidal extent

Location (easting/northing)
332352/441409

Scale
1:10,000

Created
29 Sep 2023

Model name
Wyre Estuary Tidal 2014

Selected area

Main river

Modelled flood extent

0.5% AEP (+370mm)

0.5% AEP (+670mm)

0.5% AEP (+970mm)

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

0 100 200 300 400 500
metres

Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise

Environment Agency

Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

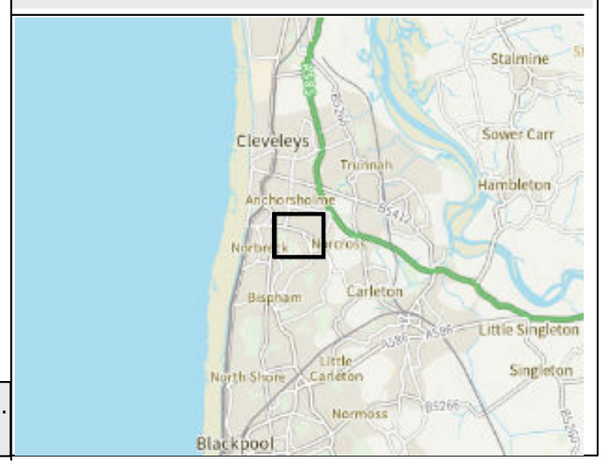
Statutory Main Rivers

0.5%+Climate Change (970mm SLR) Annual Exceedance Probability Defended Scenario

mAOD

High : 7

Low : 4



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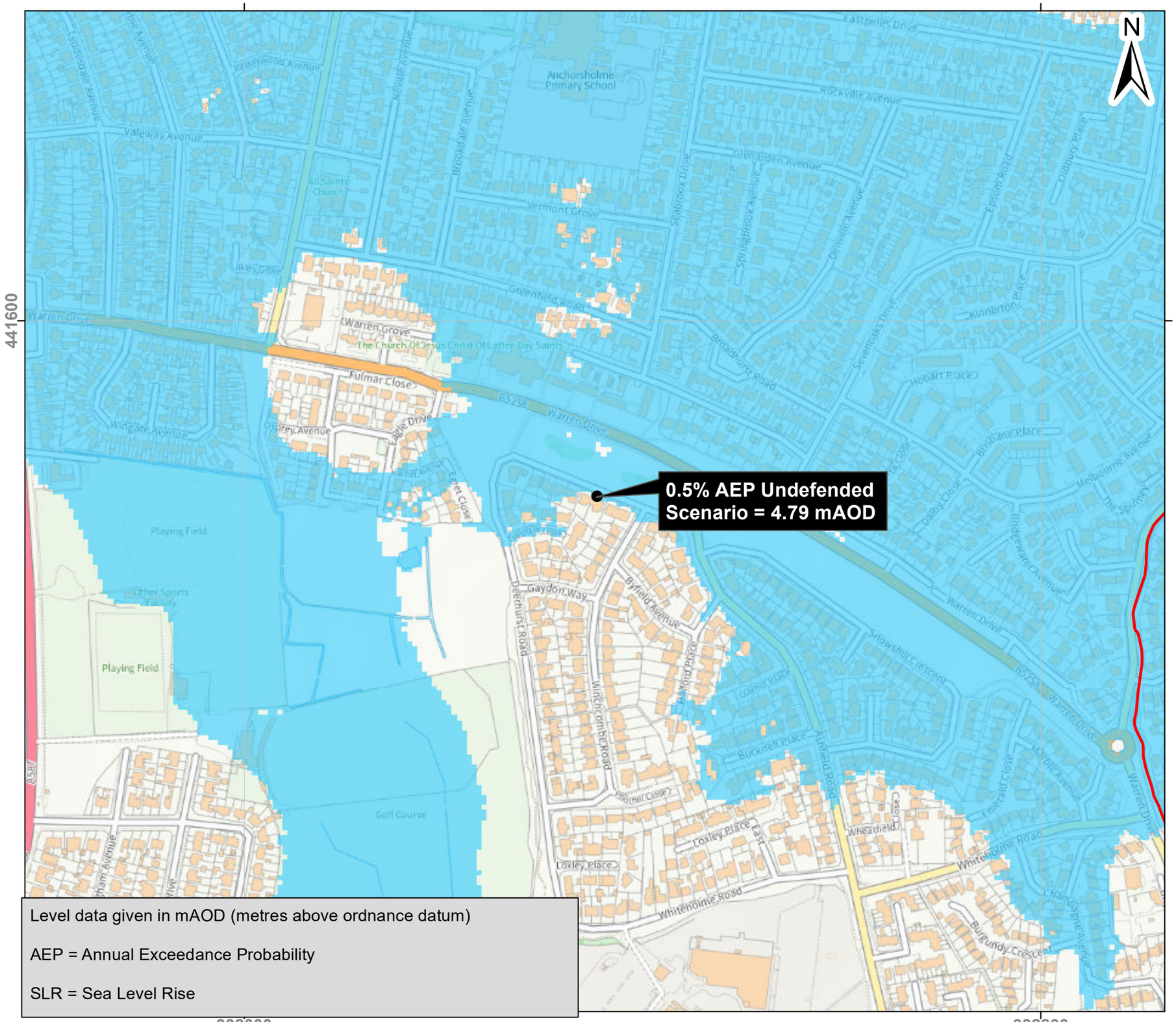
Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023



Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise

Key

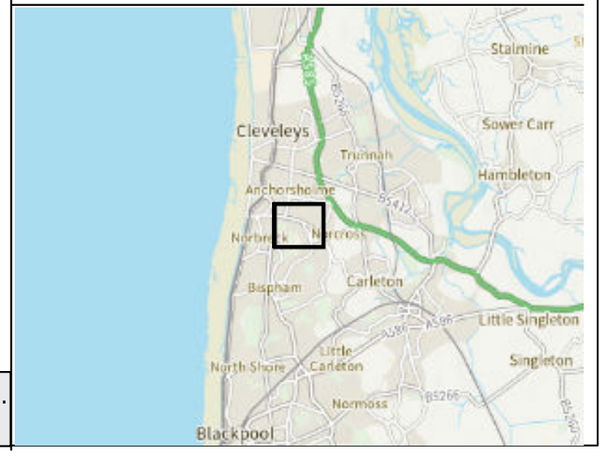
Statutory Main Rivers

0.5% Annual Exceedance Probability Undefended Scenario

mAOD

High : 7

Low : 4



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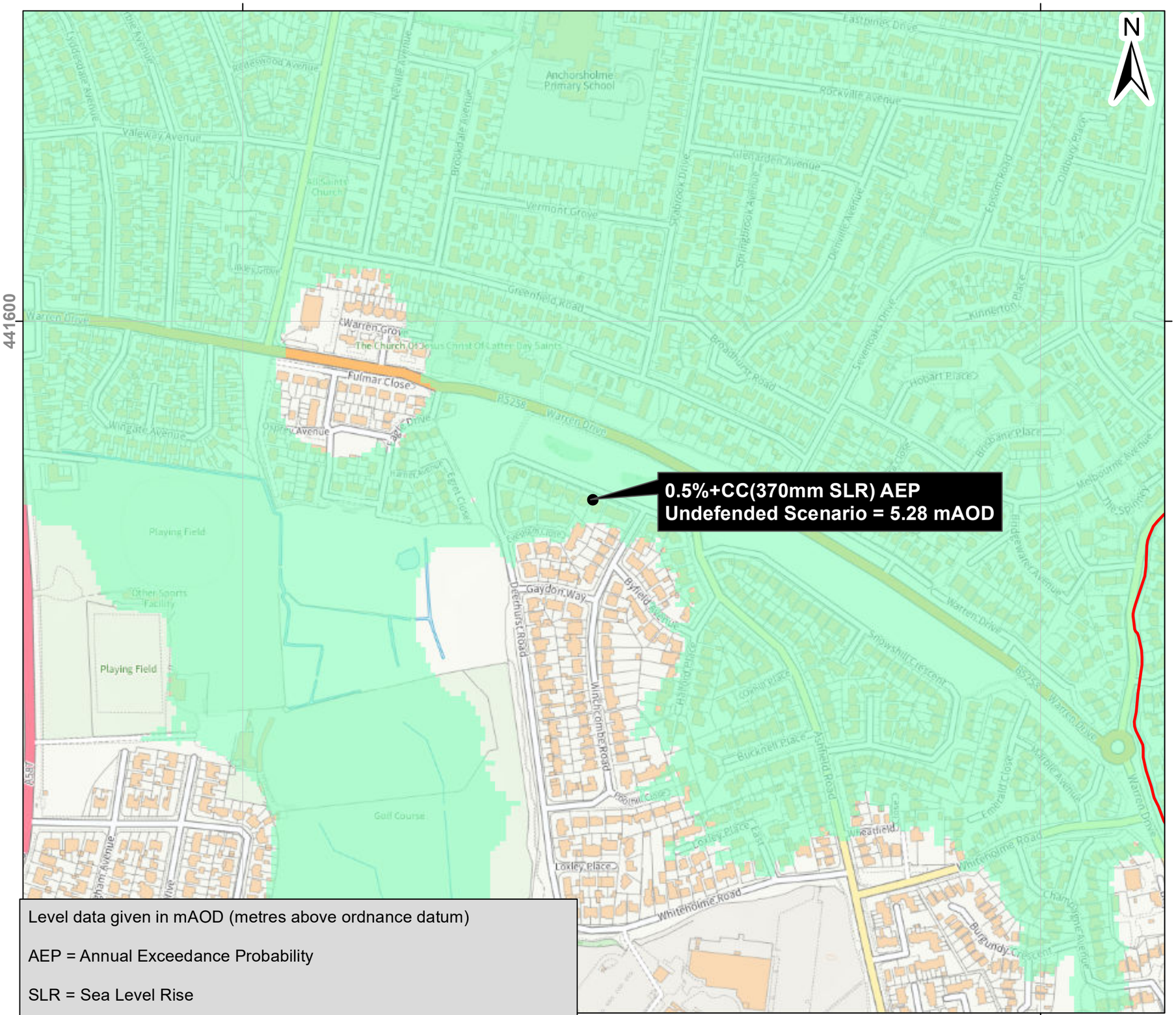


Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise

Environment Agency

Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

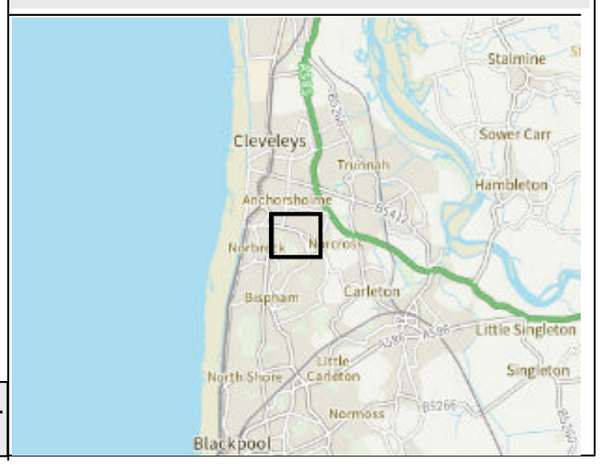
Statutory Main Rivers

0.5%+Climate Change (370mm SLR) Annual Exceedance Probability Undefended Scenario

mAOD

High : 7

Low : 4



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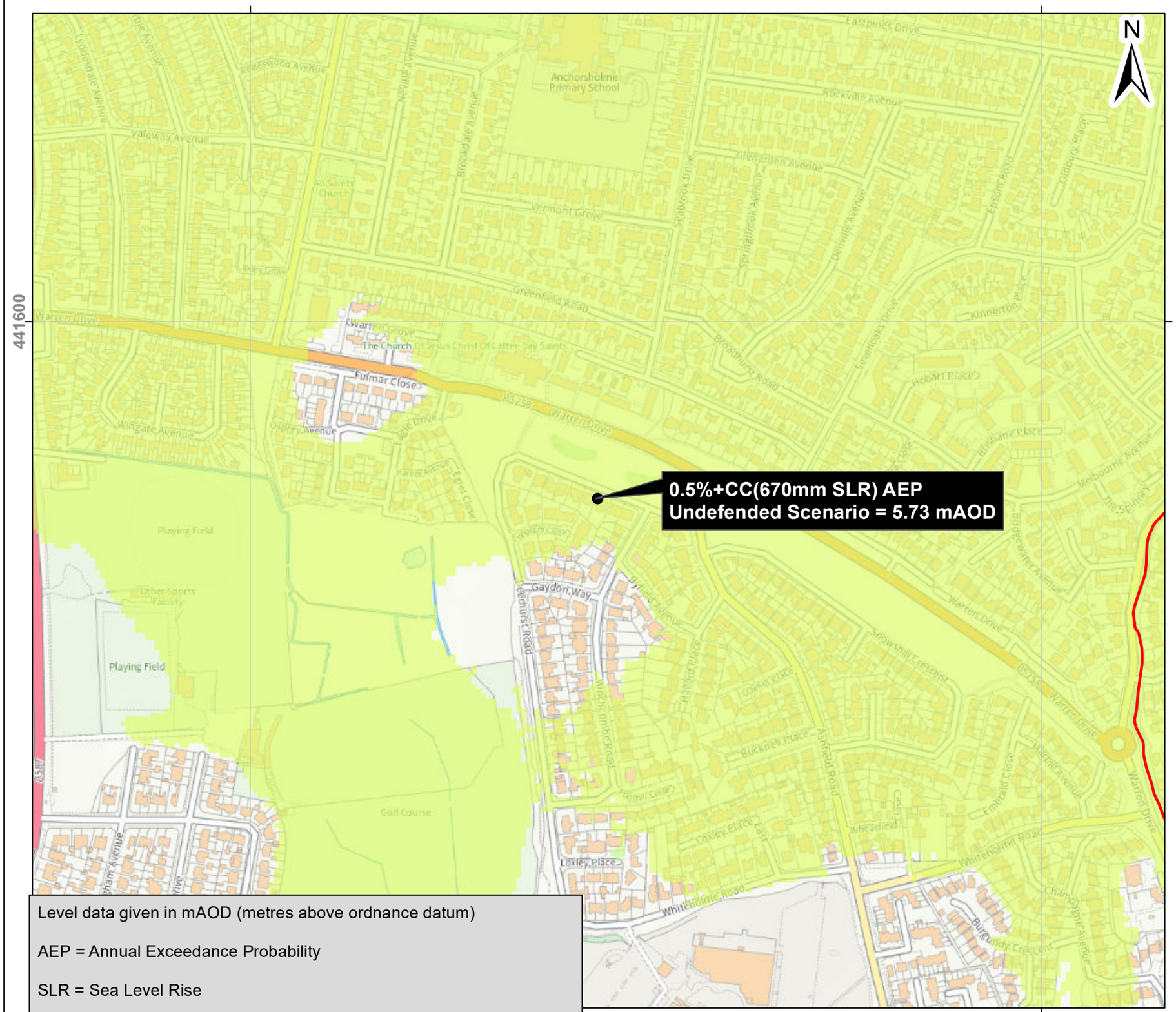


Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise

Environment Agency

Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

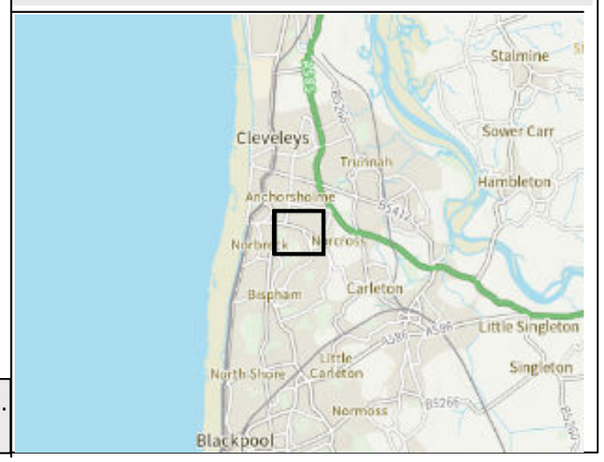
Statutory Main Rivers

0.5%+Climate Change (670mm SLR) Annual Exceedance Probability Undefended Scenario

mAOD

High : 7

Low : 4



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Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

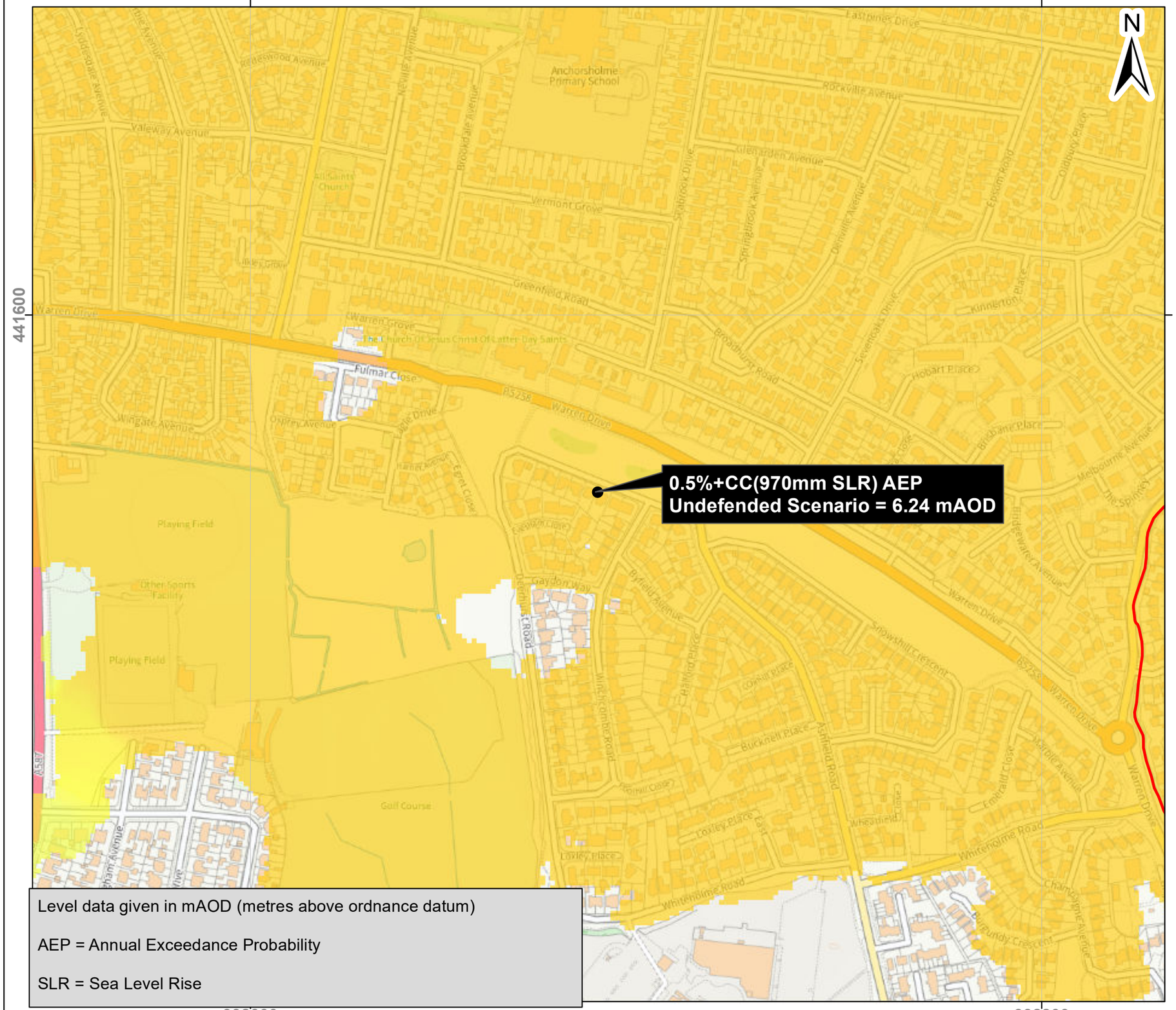
Statutory Main Rivers

0.5%+Climate Change (970mm SLR) Annual Exceedance Probability Undefended Scenario

mAOD

High : 7

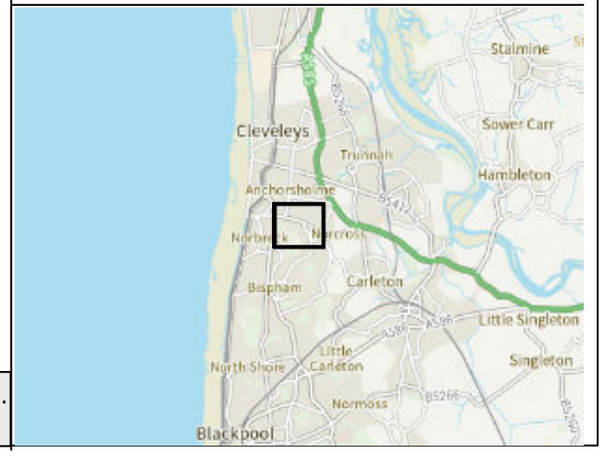
Low : 4



Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise



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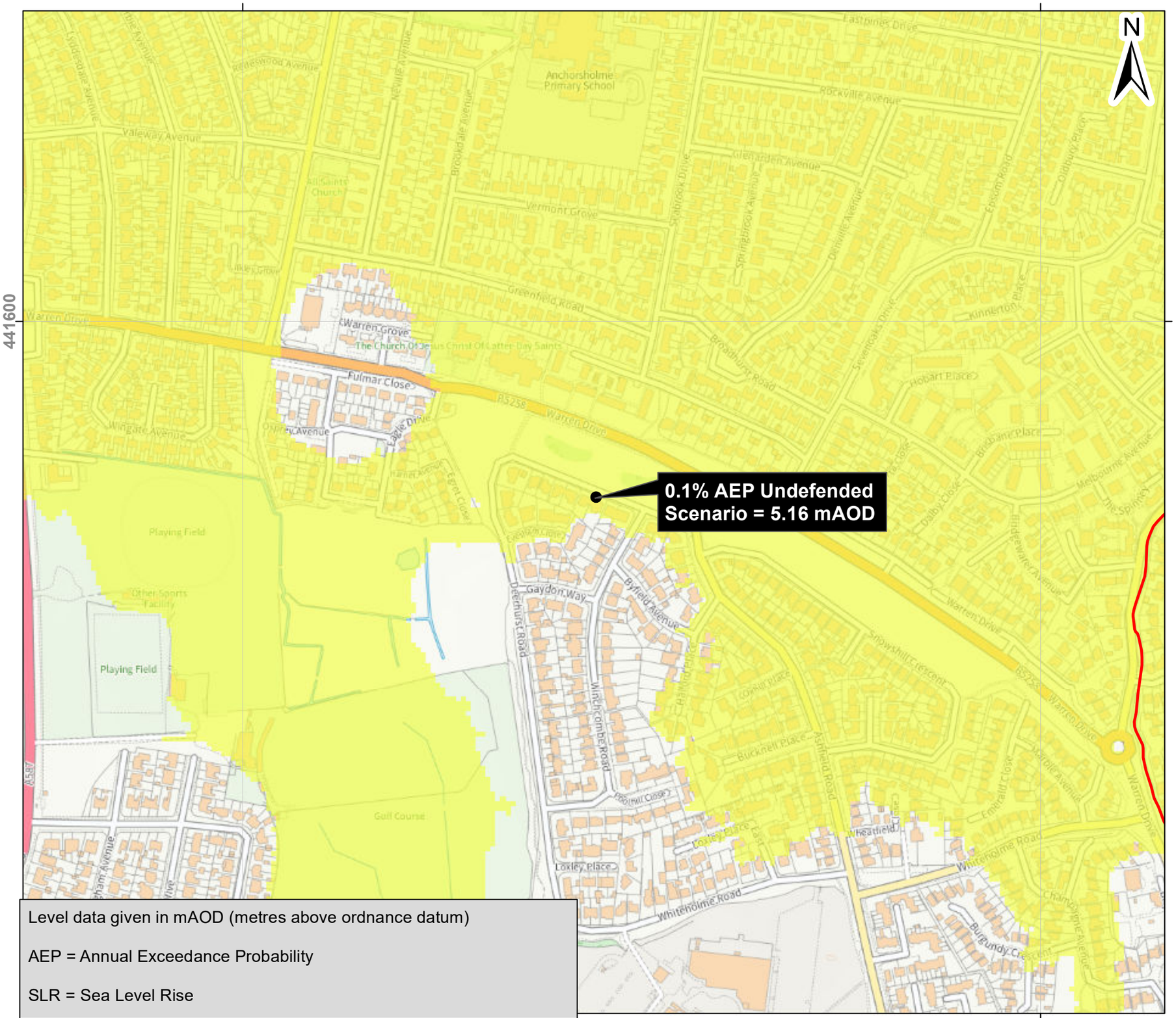


Level data given in mAOD (metres above ordnance datum)

AEP = Annual Exceedance Probability

SLR = Sea Level Rise

Environment Agency

Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

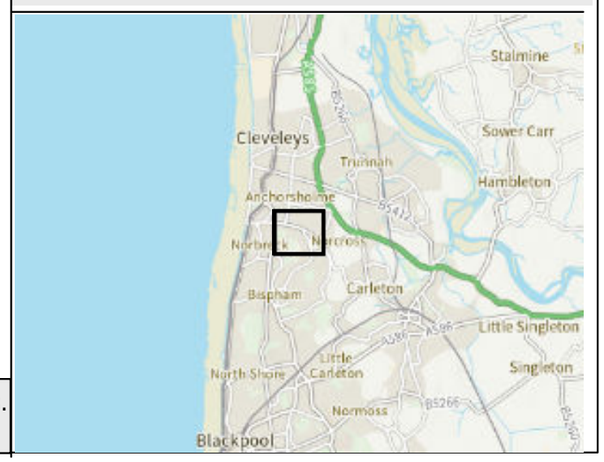
Statutory Main Rivers

0.1% Annual Exceedance Probability Undefended Scenario

mAOD

High : 7

Low : 2



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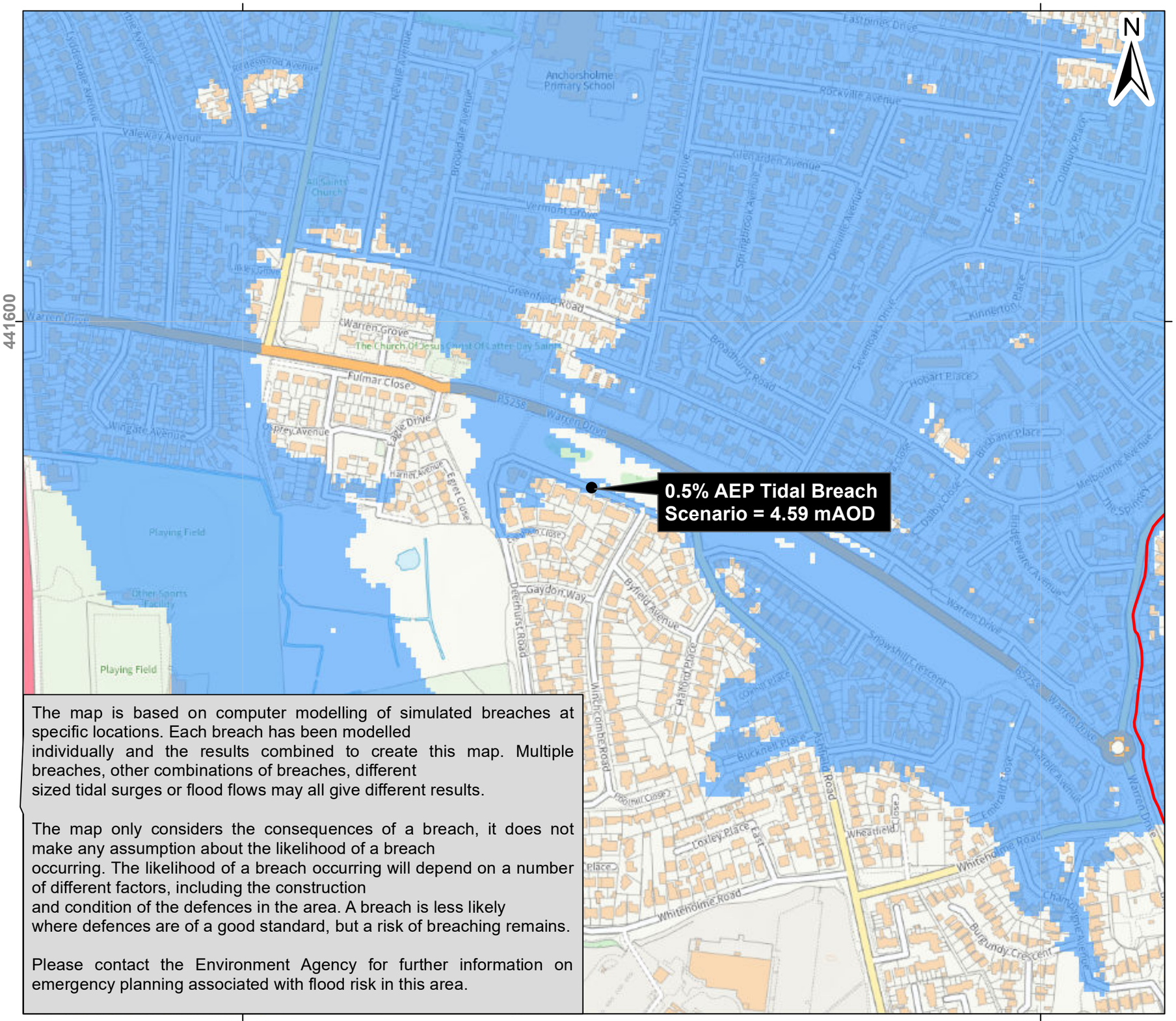


The map is based on computer modelling of simulated breaches at specific locations. Each breach has been modelled individually and the results combined to create this map. Multiple breaches, other combinations of breaches, different sized tidal surges or flood flows may all give different results.

The map only considers the consequences of a breach, it does not make any assumption about the likelihood of a breach occurring. The likelihood of a breach occurring will depend on a number of different factors, including the construction and condition of the defences in the area. A breach is less likely where defences are of a good standard, but a risk of breaching remains.

Please contact the Environment Agency for further information on emergency planning associated with flood risk in this area.

Environment Agency

Tidal Flood Levels Map:
Deerhurst Road, Thornton-Cleveleys

Location (easting/northing)
332352/441409

Model Name
Lancashire Tidal ABD 2014
Created: 29/09/2023

Key

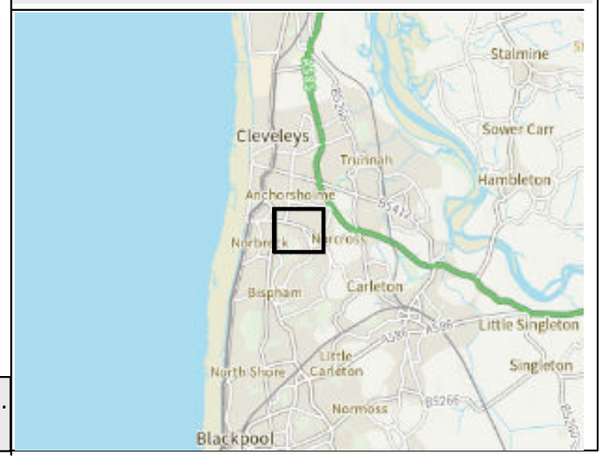
Statutory Main Rivers

0.5% Annual Exceedance Probability Tidal Breach Scenario 2

mAOD

High : 7

Low : 4



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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 inforequests.cmblnc@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