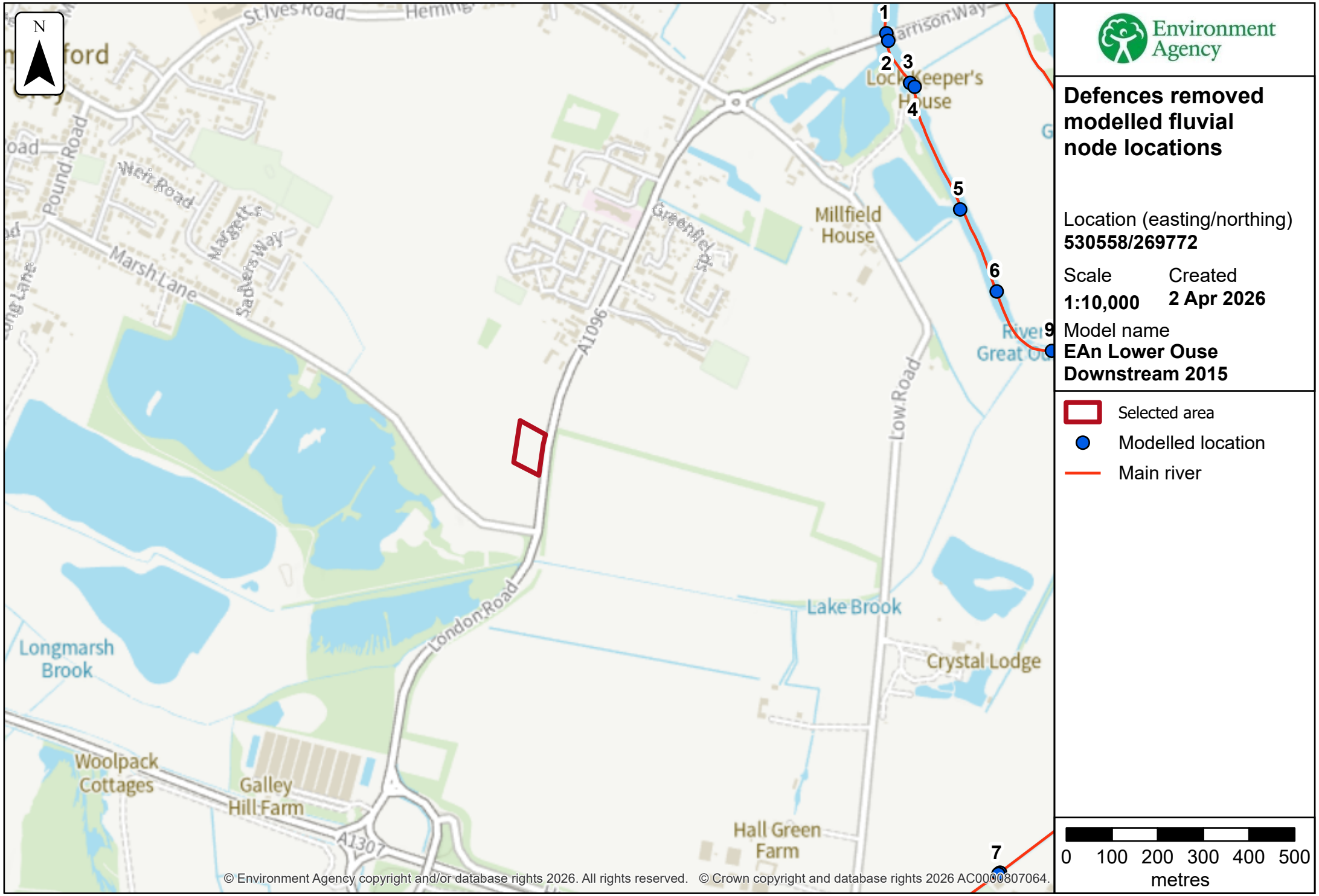


Environment Agency

Defences removed modelled fluvial node locations

Location (easting/northing)
530558/269772

Scale
1:10,000

Created
2 Apr 2026

Model name
EAn Lower Ouse Downstream 2015

- Selected area
- Modelled location
- Main river

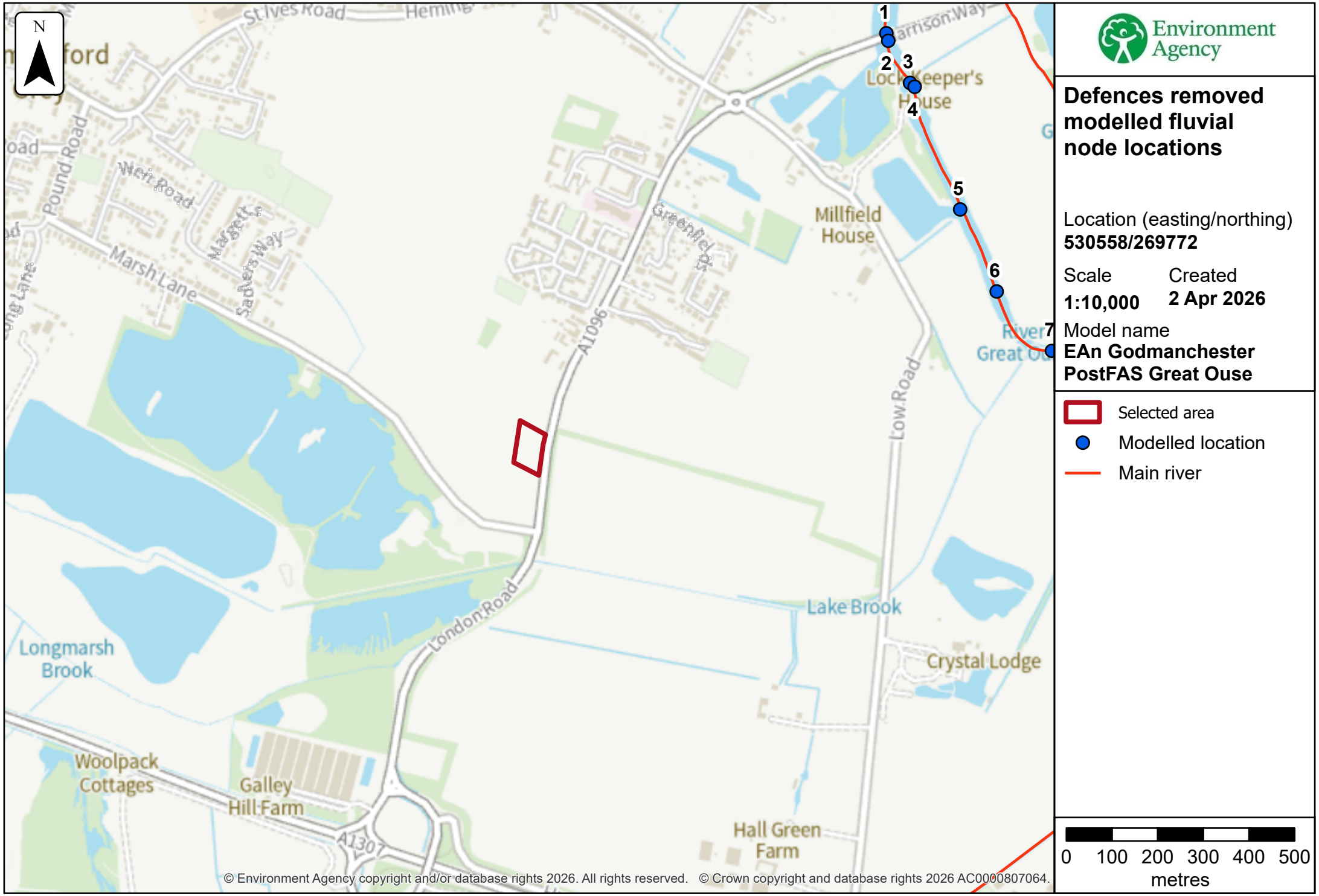
0 100 200 300 400 500
metres

Modelled node locations data

Defences removed

Label	Modelled location ID	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
				Level	Level	Level	Flow	Flow	Flow
1	1278940	531340	270681	6.49	6.57	6.73	126.02	137.13	169.10
2	1278865	531344	270665	6.48	6.57	6.72	126.02	137.13	169.10
3	1278987	531391	270572	6.44	6.54	6.73	101.33	101.07	100.89
4	1278808	531402	270564	6.20	6.32	6.54	101.33	101.07	100.89
5	1278859	531501	270295	6.13	6.24	6.46	122.14	128.21	134.39
6	1278893	531581	270116	6.08	6.19	6.41	116.10	125.36	130.63
7	1279219	531585	268840	5.98	6.13	6.36	7.09	7.65	11.96
8	1279003	531589	268842	5.98	6.13	6.36	7.09	7.65	11.96
9	1279072	531702	269985	6.05	6.16	6.38	109.51	108.85	114.10

Data in this table comes from the EAn Lower Ouse Downstream 2015 model.
Level values are shown in mAOD, and flow values are shown in cubic metres per second.
Any blank cells show where a particular scenario has not been modelled for this location.



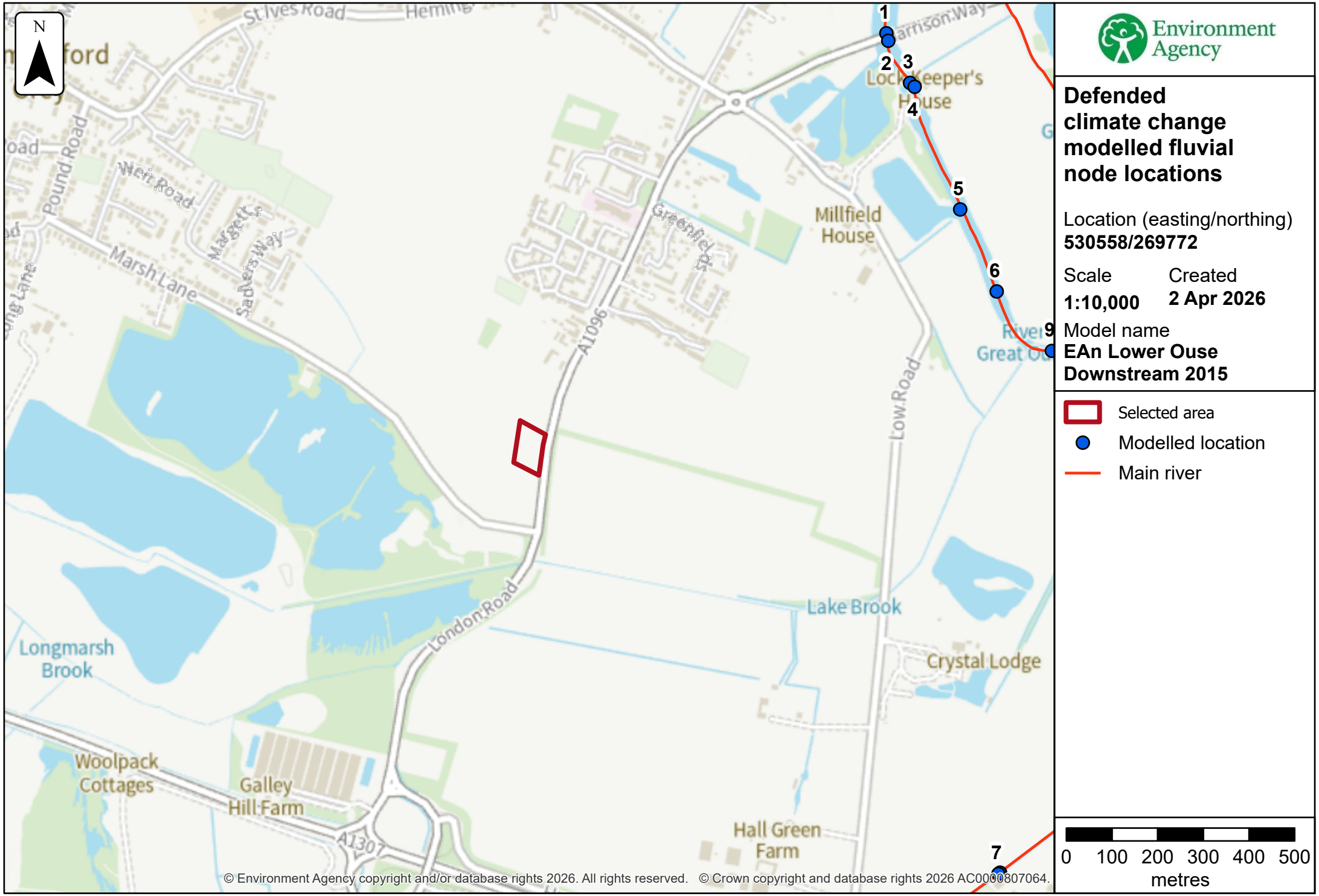
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Modelled node locations data

Defences removed

Label	Modelled location ID	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
				Level	Level	Level	Flow	Flow	Flow
1	1306339	531340	270681	6.49	6.58	6.72	125.97	138.26	166.51
2	1306298	531344	270665	6.48	6.58	6.71	125.97	138.26	166.51
3	1306279	531391	270572	6.44	6.55	6.72	101.40	101.45	101.82
4	1306310	531402	270564	6.21	6.34	6.53	101.40	101.45	101.82
5	1306293	531501	270295	6.13	6.26	6.45	122.31	128.70	133.27
6	1306294	531581	270115	6.09	6.21	6.40	116.05	125.13	128.49
7	1306273	531702	269985	6.06	6.18	6.37	107.46	106.99	113.41

Data in this table comes from the EAn Godmanchester PostFAS Great Ouse 2014 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)
530558/269772

Scale
1:10,000

Created
2 Apr 2026

Model name
EAn Lower Ouse Downstream 2015

- Selected area
- Modelled location
- Main river

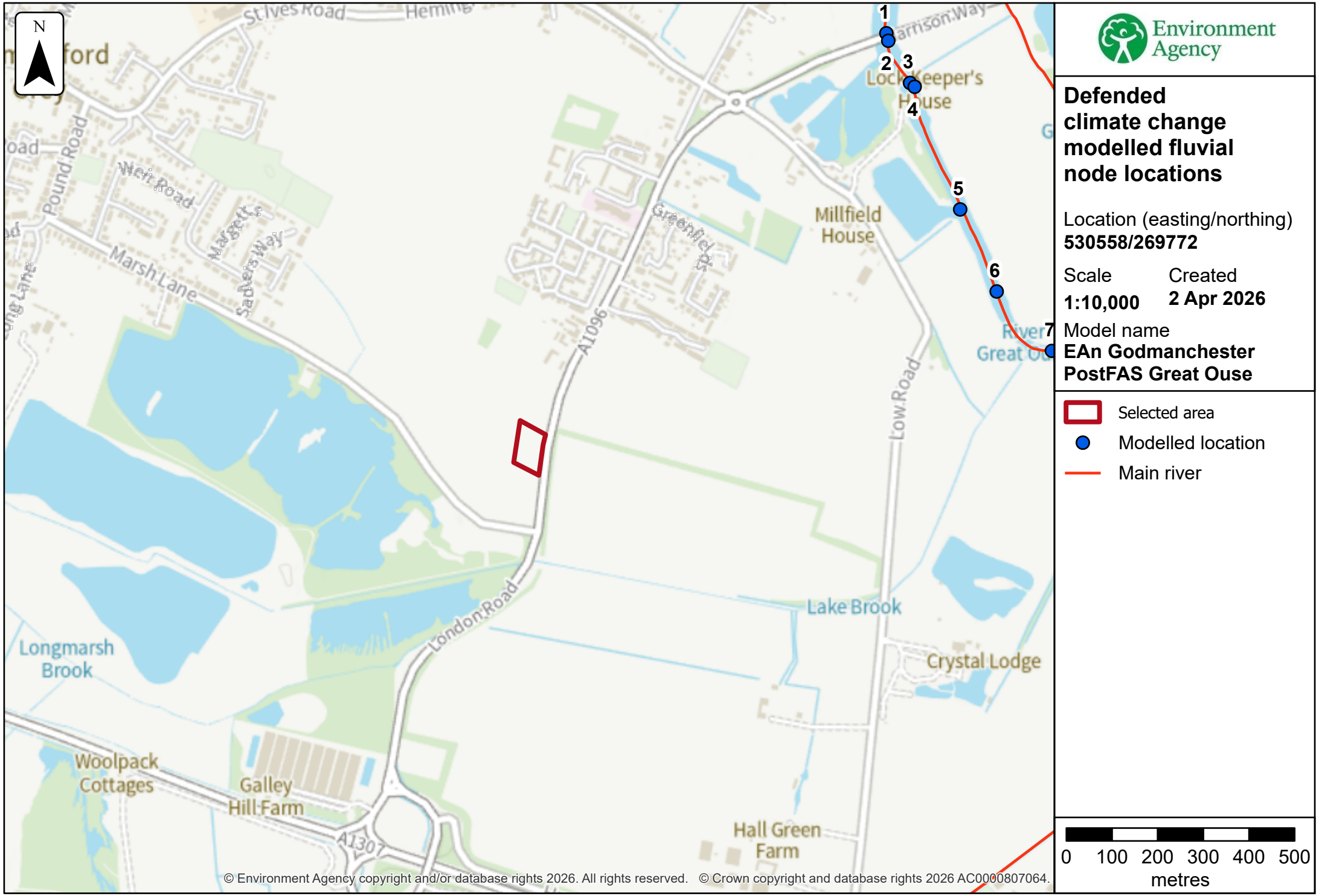
0 100 200 300 400 500
metres

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+20%)	1% AEP (+20%)
				Level	Flow
1	1278940	531340	270681	6.78	217.77
2	1278865	531344	270665	6.76	217.77
3	1278987	531391	270572	6.81	103.46
4	1278808	531402	270564	6.54	103.46
5	1278859	531501	270295	6.46	141.53
6	1278893	531581	270116	6.42	128.04
7	1279219	531585	268840	6.25	11.14
8	1279003	531589	268842	6.25	11.14
9	1279072	531702	269985	6.40	109.94

Data in this table comes from the EAn Lower Ouse Downstream 2015 model.
Level values are shown in mAOD, and flow values are shown in cubic metres per second.
Any blank cells show where a particular scenario has not been modelled for this location.



Environment Agency

Defended climate change modelled fluvial node locations

Location (easting/northing)
530558/269772

Scale
1:10,000

Created
2 Apr 2026

Model name
EAn Godmanchester PostFAS Great Ouse

Selected area

Modelled location

Main river

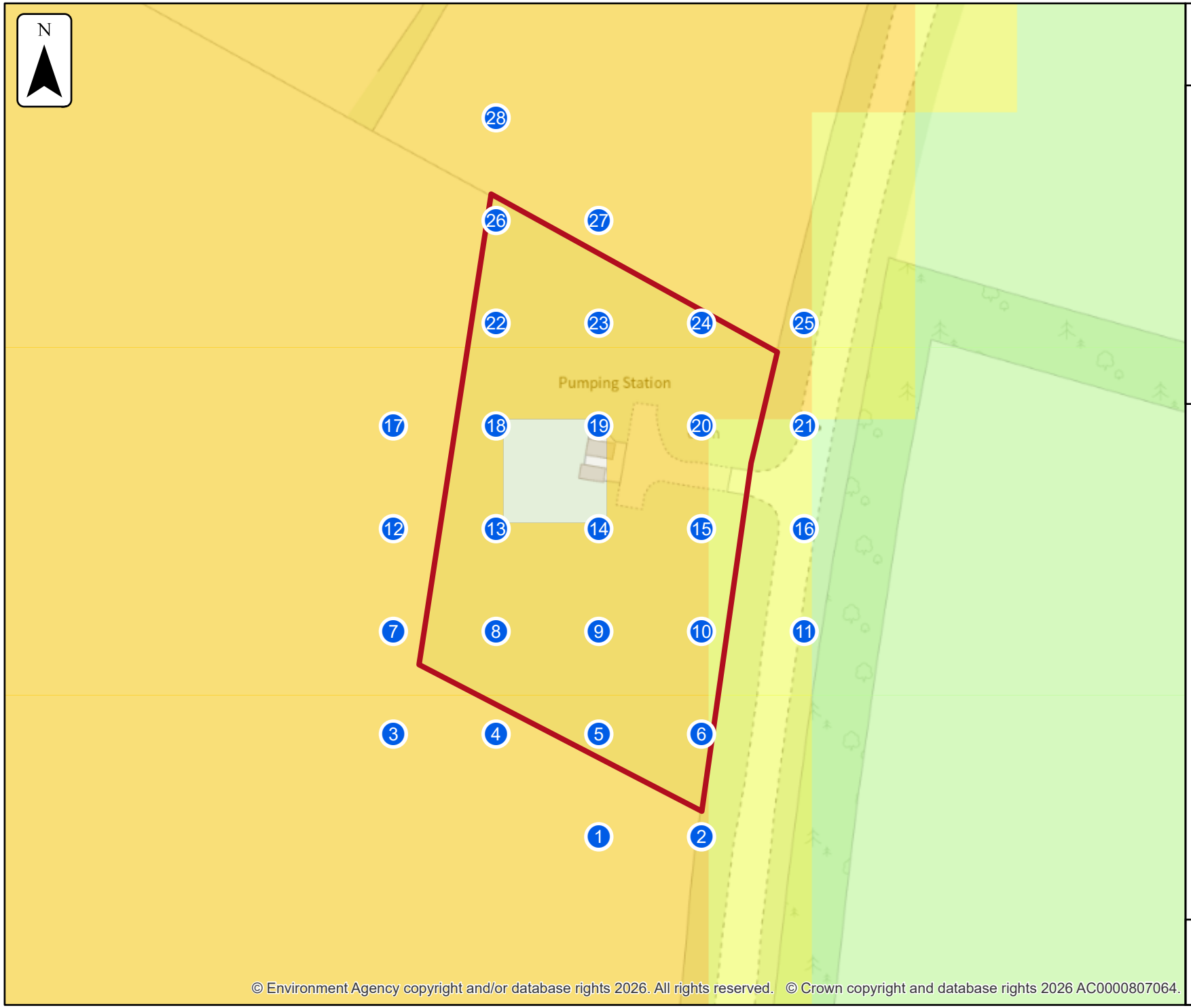
0 100 200 300 400 500
metres

Modelled node locations data

Defended climate change

Label	Modelled location ID	Easting	Northing	1% AEP (+20%)	1% AEP (+20%)
				Level	Flow
1	1306339	531340	270681	6.78	214.64
2	1306298	531344	270665	6.76	214.64
3	1306279	531391	270572	6.80	103.93
4	1306310	531402	270564	6.53	103.93
5	1306293	531501	270295	6.45	141.76
6	1306294	531581	270115	6.41	129.95
7	1306273	531702	269985	6.39	111.52

Data in this table comes from the EAn Godmanchester PostFAS Great Ouse 2014 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)
530558/269772

Scale
1:1,000

Created
2 Apr 2026

Model name
EAn Lower Ouse Downstream 2015

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 6 - 6.125
- 6.125 - 6.25
- 6.25 - 6.375
- 6.375 - 6.5
- 6.5 - 6.625
- 6.625 - 6.75
- 6.75 - 6.875
- 6.875 - 7.0
- 7.0 - 7.125

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

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Sample point data

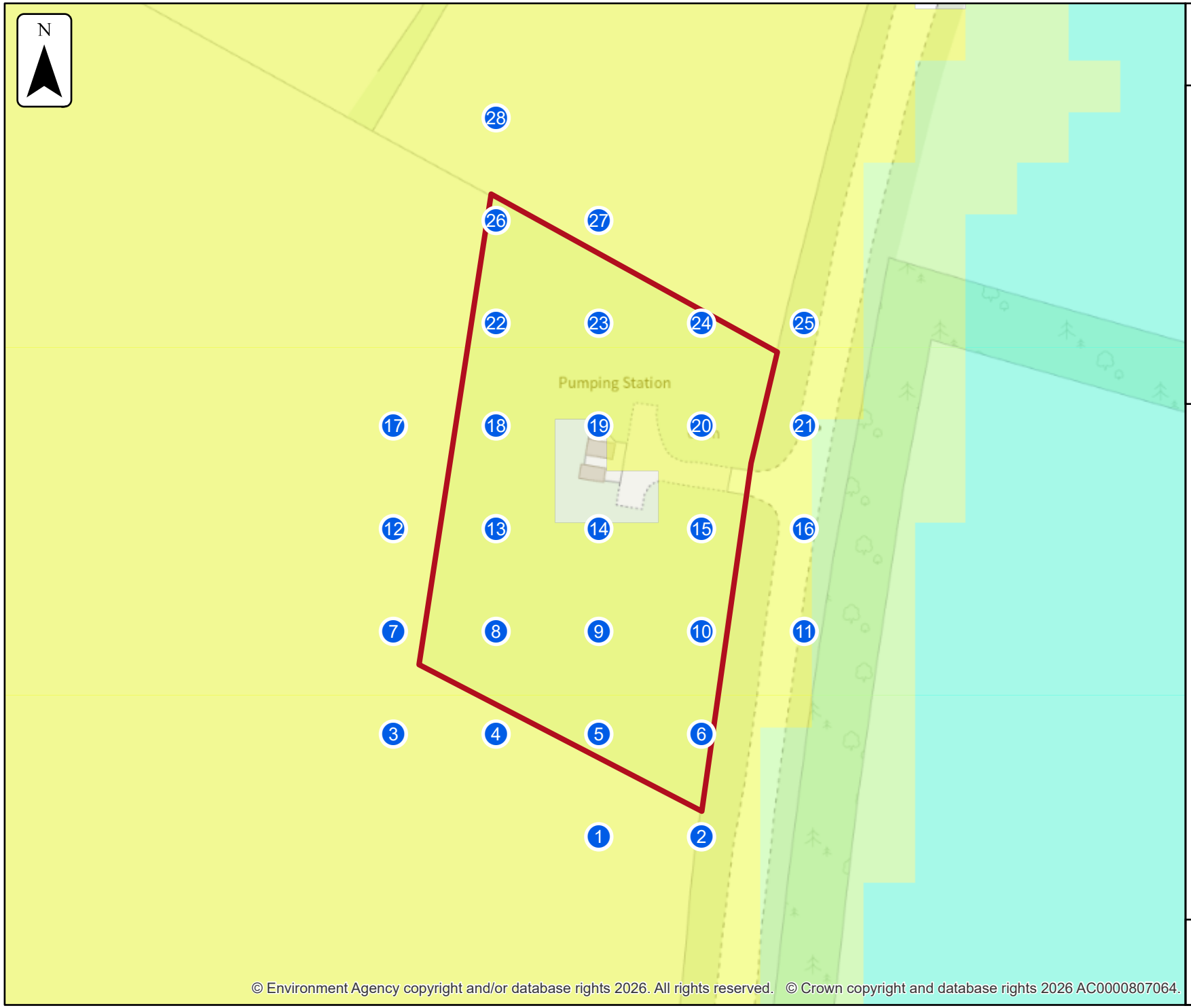
Defended

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
1	530559	269708	6.78	1.01
2	530579	269708	6.77	0.61
3	530519	269728	6.78	0.76
4	530539	269728	6.78	0.86
5	530559	269728	6.78	1.00
6	530579	269728	6.77	0.89
7	530519	269748	6.78	0.72
8	530539	269748	6.78	0.77
9	530559	269748	6.78	0.90
10	530579	269748	6.77	0.77
11	530599	269748	6.71	0.14
12	530519	269768	6.78	0.69

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
13	530539	269768	6.78	0.74
14	530559	269768	6.78	0.89
15	530579	269768	6.78	0.76
16	530599	269768	6.72	0.14
17	530519	269788	6.78	0.77
18	530539	269788	6.78	0.80
19	530559	269788	NoData	NoData
20	530579	269788	6.78	0.65
21	530599	269788	6.74	0.17
22	530539	269808	6.78	0.85
23	530559	269808	6.78	0.76
24	530579	269808	6.78	0.77

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
25	530599	269808	6.75	0.25
26	530539	269828	6.78	0.79
27	530559	269828	6.78	0.80
28	530539	269848	6.78	0.77
Max value in selected area:			6.78	0.90

Data in this table comes from the EAn Lower Ouse Downstream 2015 model. Height values are shown in mAOD, and depth values are shown in metres.
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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.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Environment Agency

Defended modelled fluvial extent and height

Location (easting/northing)
530558/269772

Scale
1:1,000

Created
2 Apr 2026

Model name
EAn Godmanchester PostFAS Great Ouse

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 6 - 6.125
- 6.125 - 6.25
- 6.25 - 6.375
- 6.375 - 6.5
- 6.5 - 6.625
- 6.625 - 6.75
- 6.75 - 6.875
- 6.875 - 7.0
- 7.0 - 7.125

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

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Sample point data

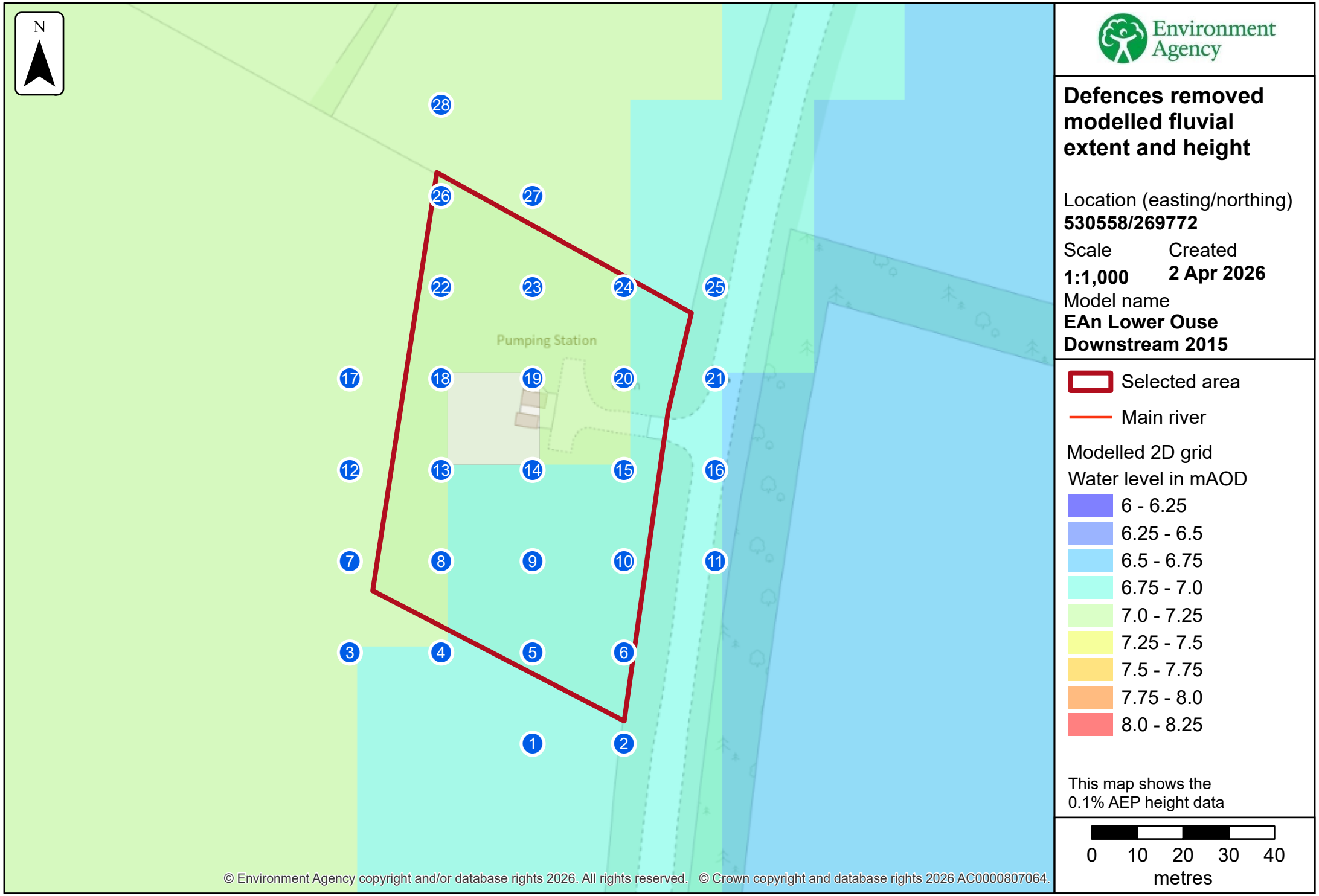
Defended

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
1	530559	269708	6.73	0.94
2	530579	269708	6.72	0.24
3	530519	269728	6.73	0.72
4	530539	269728	6.73	0.84
5	530559	269728	6.73	1.04
6	530579	269728	6.72	0.52
7	530519	269748	6.73	0.67
8	530539	269748	6.73	0.71
9	530559	269748	6.73	0.91
10	530579	269748	6.72	0.60
11	530599	269748	6.64	0.07
12	530519	269768	6.73	0.68

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
13	530539	269768	6.73	0.73
14	530559	269768	6.73	0.92
15	530579	269768	6.73	0.44
16	530599	269768	6.66	0.06
17	530519	269788	6.73	0.75
18	530539	269788	6.73	0.77
19	530559	269788	NoData	NoData
20	530579	269788	6.73	0.47
21	530599	269788	6.68	0.08
22	530539	269808	6.73	0.79
23	530559	269808	6.74	0.73
24	530579	269808	6.73	0.79

Label	Easting	Northing	0.1% AEP	0.1% AEP
			Height	Depth
25	530599	269808	6.69	0.15
26	530539	269828	6.74	0.74
27	530559	269828	6.74	0.74
28	530539	269848	6.74	0.72
Max value in selected area:			6.74	1.08

Data in this table comes from the EAn Godmanchester PostFAS Great Ouse 2014 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.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Environment Agency

Defences removed modelled fluvial extent and height

Location (easting/northing)
530558/269772

Scale
1:1,000

Created
2 Apr 2026

Model name
EAn Lower Ouse Downstream 2015

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 6 - 6.25
- 6.25 - 6.5
- 6.5 - 6.75
- 6.75 - 7.0
- 7.0 - 7.25
- 7.25 - 7.5
- 7.5 - 7.75
- 7.75 - 8.0
- 8.0 - 8.25

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

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Sample point data

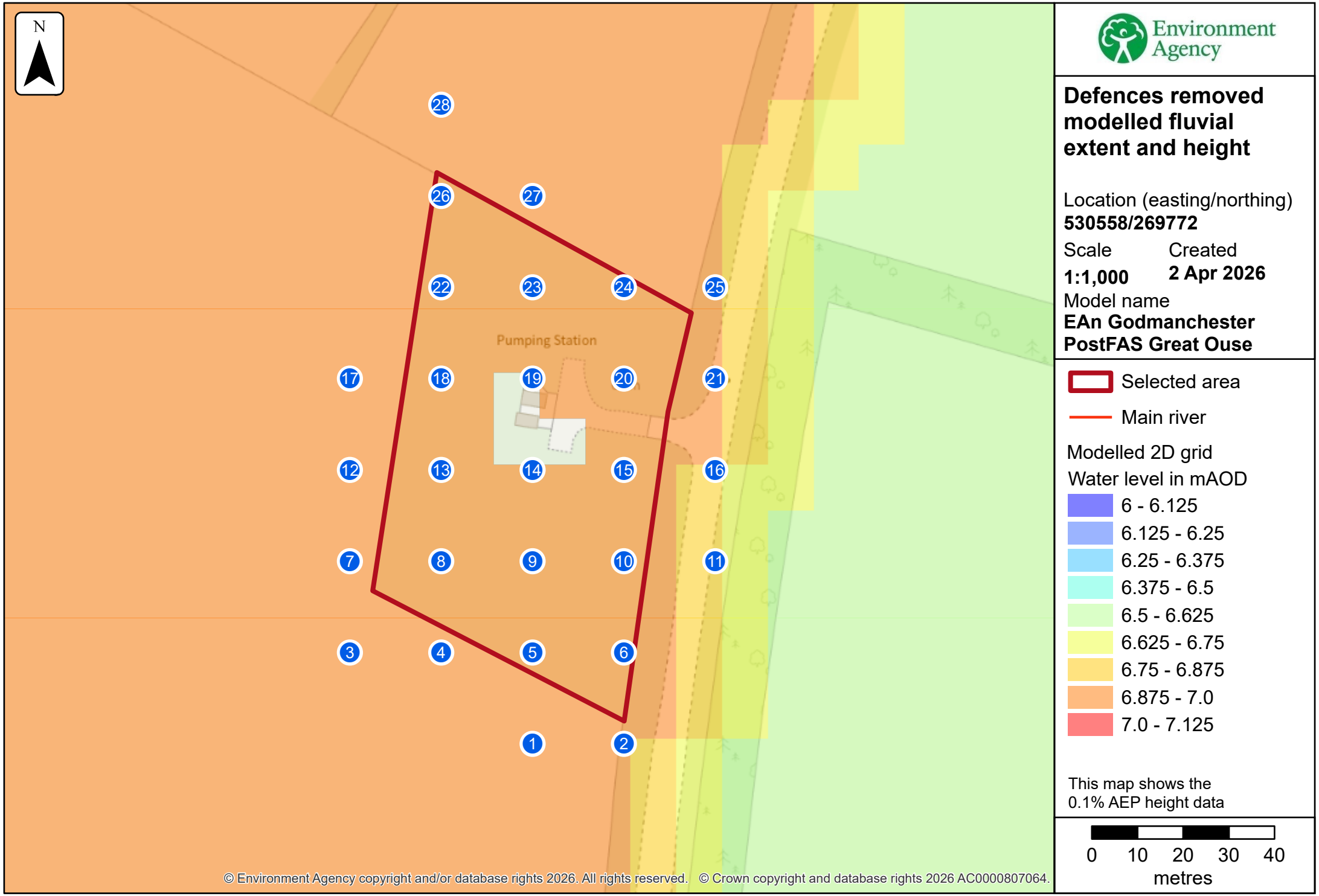
Defences removed

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
1	530559	269708	6.73	6.83	7.00	0.97	1.07	1.23
2	530579	269708	6.72	6.82	6.98	0.56	0.66	0.83
3	530519	269728	6.73	6.83	7.00	0.72	0.82	0.99
4	530539	269728	6.73	6.83	7.00	0.81	0.91	1.08
5	530559	269728	6.73	6.83	7.00	0.95	1.05	1.22
6	530579	269728	6.71	6.81	6.98	0.83	0.93	1.10
7	530519	269748	6.73	6.83	7.00	0.67	0.77	0.94
8	530539	269748	6.73	6.83	7.00	0.73	0.83	0.99
9	530559	269748	6.73	6.83	7.00	0.85	0.95	1.11
10	530579	269748	6.73	6.83	6.99	0.72	0.82	0.99
11	530599	269748	6.60	6.71	6.89	0.05	0.14	0.32
12	530519	269768	6.73	6.83	7.00	0.64	0.74	0.91

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
13	530539	269768	6.73	6.83	7.00	0.69	0.79	0.96
14	530559	269768	6.73	6.83	7.00	0.84	0.94	1.10
15	530579	269768	6.73	6.83	6.99	0.72	0.82	0.98
16	530599	269768	6.63	6.73	6.91	0.08	0.16	0.33
17	530519	269788	6.73	6.83	7.01	0.72	0.82	1.00
18	530539	269788	6.73	6.83	7.00	0.75	0.85	1.02
19	530559	269788	NoData	NoData	NoData	NoData	NoData	NoData
20	530579	269788	6.73	6.83	7.00	0.60	0.70	0.87
21	530599	269788	6.67	6.77	6.95	0.12	0.20	0.38
22	530539	269808	6.73	6.83	7.01	0.80	0.90	1.07
23	530559	269808	6.73	6.83	7.01	0.71	0.81	0.99
24	530579	269808	6.73	6.83	7.01	0.72	0.83	1.00

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
25	530599	269808	6.68	6.78	6.96	0.18	0.27	0.45
26	530539	269828	6.73	6.83	7.01	0.74	0.84	1.01
27	530559	269828	6.73	6.83	7.01	0.75	0.85	1.02
28	530539	269848	6.73	6.83	7.01	0.72	0.82	1.00
Max value in selected area:			6.73	6.83	7.01	0.85	0.95	1.11

Data in this table comes from the EAn Lower Ouse Downstream 2015 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.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



Environment Agency

Defences removed modelled fluvial extent and height

Location (easting/northing)
530558/269772

Scale
1:1,000

Created
2 Apr 2026

Model name
EAn Godmanchester PostFAS Great Ouse

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 6 - 6.125
- 6.125 - 6.25
- 6.25 - 6.375
- 6.375 - 6.5
- 6.5 - 6.625
- 6.625 - 6.75
- 6.75 - 6.875
- 6.875 - 7.0
- 7.0 - 7.125

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

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Sample point data

Defences removed

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
1	530559	269708	6.73	6.84	6.98	0.94	1.05	1.19
2	530579	269708	6.72	6.82	6.96	0.23	0.34	0.48
3	530519	269728	6.73	6.84	6.99	0.72	0.83	0.97
4	530539	269728	6.73	6.84	6.98	0.84	0.95	1.09
5	530559	269728	6.73	6.84	6.98	1.03	1.14	1.28
6	530579	269728	6.70	6.81	6.96	0.51	0.61	0.76
7	530519	269748	6.73	6.84	6.99	0.67	0.78	0.92
8	530539	269748	6.73	6.84	6.98	0.71	0.82	0.96
9	530559	269748	6.73	6.84	6.98	0.91	1.02	1.16
10	530579	269748	6.71	6.82	6.96	0.59	0.70	0.84
11	530599	269748	6.56	6.68	6.83	0.00	0.10	0.26
12	530519	269768	6.73	6.84	6.99	0.68	0.79	0.93

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
13	530539	269768	6.73	6.84	6.99	0.73	0.84	0.98
14	530559	269768	6.73	6.84	6.98	0.92	1.03	1.17
15	530579	269768	6.73	6.83	6.98	0.44	0.55	0.69
16	530599	269768	6.58	6.70	6.87	0.04	0.12	0.26
17	530519	269788	6.73	6.84	6.99	0.74	0.85	1.00
18	530539	269788	6.73	6.84	6.99	0.77	0.88	1.02
19	530559	269788	NoData	NoData	NoData	NoData	NoData	NoData
20	530579	269788	6.73	6.84	6.99	0.47	0.58	0.72
21	530599	269788	6.62	6.74	6.90	0.06	0.14	0.29
22	530539	269808	6.73	6.84	6.99	0.79	0.90	1.05
23	530559	269808	6.73	6.84	6.99	0.72	0.83	0.98
24	530579	269808	6.73	6.84	6.99	0.78	0.89	1.04

Label	Easting	Northing	5% AEP	1% AEP	0.1% AEP	5% AEP	1% AEP	0.1% AEP
			Height	Height	Height	Depth	Depth	Depth
25	530599	269808	6.64	6.75	6.91	0.12	0.21	0.36
26	530539	269828	6.73	6.84	6.99	0.74	0.85	1.00
27	530559	269828	6.73	6.84	6.99	0.73	0.85	0.99
28	530539	269848	6.73	6.84	6.99	0.72	0.83	0.98
Max value in selected area:			6.73	6.84	6.99	1.08	1.19	1.33

Data in this table comes from the EAn Godmanchester PostFAS Great Ouse 2014 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.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

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 Cambridgeshire County.

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 East Anglia Environment Agency team at enquiries_eastanglia@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

MEC
Consulting Group

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