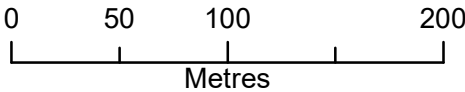


Appendix C Environment Agency's Data and Information



Environment Agency
Alchemy,
Bessemer Road,
Welwyn Garden City,
Hertfordshire,
AL7 1HE



Legend

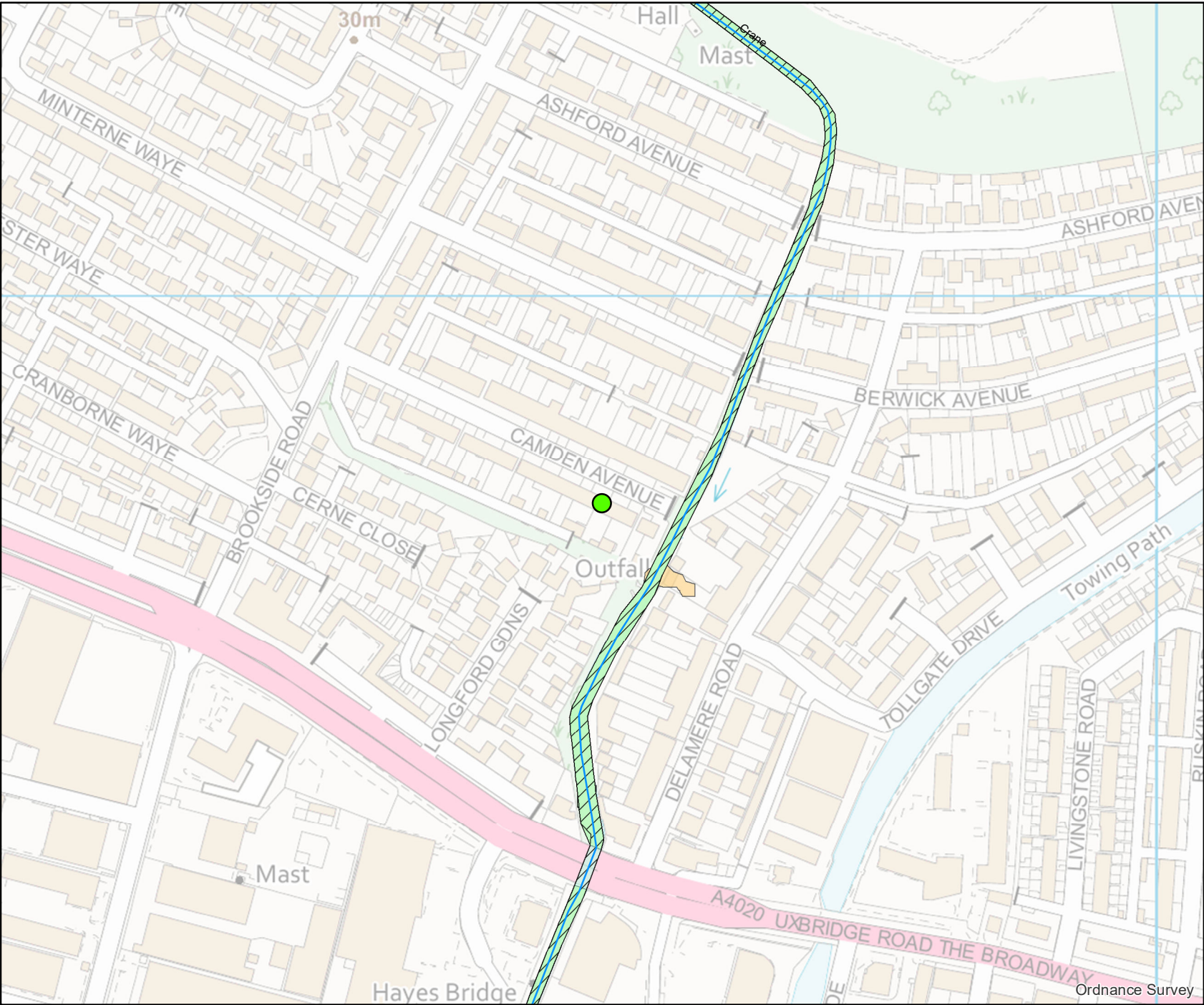
- Main Rivers
- Site location

Defended Flood Outlines

- 1 in 5 (20%) Defended
- 1 in 10 (10%) Defended
- 1 in 20 (5%) Defended
- 1 in 50 (2%) Defended

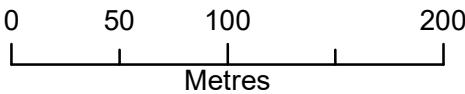
The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment. Modelled outlines take into account catchment wide defences. Flood risk data requests including an allowance for climate change will be based on the 1 in 100 flood plus 20% allowance for climate change, unless otherwise stated. You should refer to 'Flood risk assessments: climate change allowances' to check if this allowance is still appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence. <https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>

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Legend

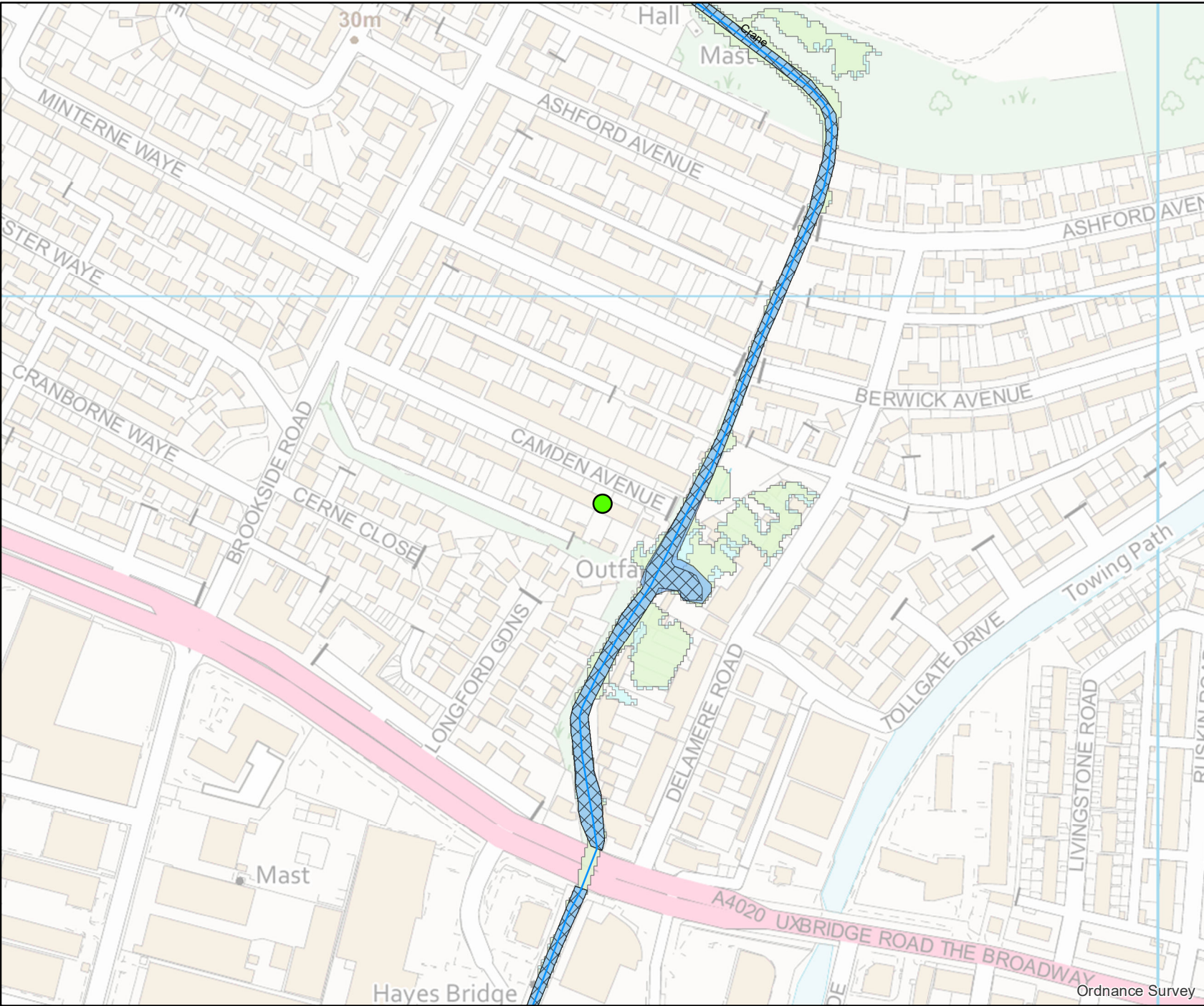
- Main Rivers
- Site location

Defended Flood Outlines

- 1 in 100 (1%) Defended
- 1 in 100+20% (*CC) Defended
- 1 in 100+25% (*CC) Defended
- 1 in 100+30% (*CC) Defended

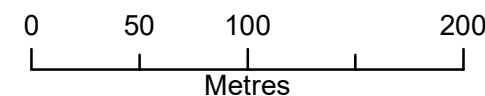
The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment. Modelled outlines take into account catchment wide defences. Flood risk data requests including an allowance for climate change will be based on the 1 in 100 plus 20% allowance for climate change, unless otherwise stated. You should refer to 'Flood risk assessments: climate change allowances' to check if this allowance is still appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence. <https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>

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Legend

- Main Rivers
- Site location

Defended Flood Outlines

- 1 in 100+70% (*CC) Defended
- 1 in 1000 (0.1%) Defended

The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment. Modelled outlines take into account catchment wide defences.

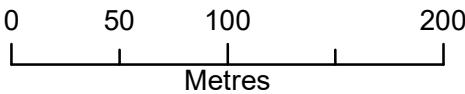
Flood risk data requests including an allowance for climate change will be based on the 1 in 100 flood plus 20% allowance for climate change, unless otherwise stated. You should refer to 'Flood risk assessments: climate change allowances' to check if this allowance is still appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence.

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Legend

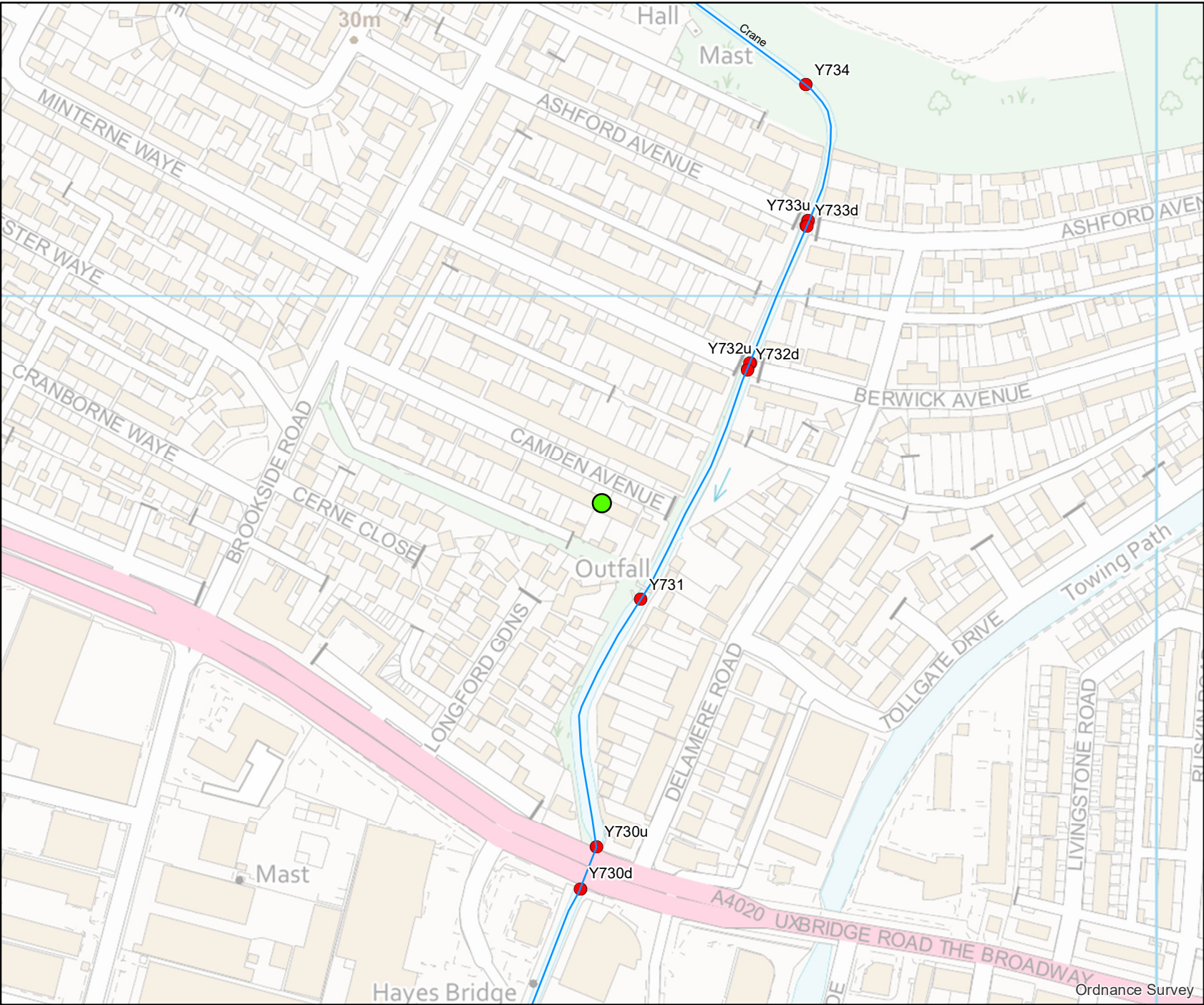
- Main Rivers
- Site location

1D Node Results

- Node Results

The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment. Modelled outlines take into account catchment wide defences. Flood risk data requests including an allowance for climate change will be based on the 1 in 100 flood plus 20% allowance for climate change, unless otherwise stated. You should refer to 'Flood risk assessments: climate change allowances' to check if this allowance is still appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence. <https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>

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Hertfordshire & North London



Environment Agency ref: HNL 279692 JH

The following information has been extracted from the River Crane Mapping Study (Halcrow 2008)

Flood risk data requests including an allowance for climate change will be based on the 1 in 100 flood plus 20% allowance for climate change, unless otherwise stated. You should refer to 'Flood risk assessments: climate change allowances' to check if this allowance is still appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence.

<https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>

Caution:

The modelled flood levels and extents are appropriate for catchment wide strategic flood risk mapping. However, for more detailed flood risk assessment it is recommended that each of the underlying flood mapping, hydraulic modelling and hydrological assumptions are re-evaluated to determine the appropriateness in a more detailed analysis.

All flood levels are given in metres Above Ordnance Datum (mAOD)

All flows are given in cubic metres per second (cumecs)

MODELLED FLOOD LEVEL

			Return Period									
Node Label	Easting	Northing	5 yr	10 yr	20 yr	50 yr	100 yr	100yr + 20%	100yr + 25%	100yr + 35%	100yr + 70%	1000yr
Y734	511774	181138	28.10	28.13	28.17	28.24	28.28	28.36	28.37	28.40	28.48	29.49
Y733u	511776	181049	28.02	28.06	28.10	28.17	28.23	28.31	28.32	28.35	28.45	29.49
Y733d	511774	181046	28.02	28.06	28.10	28.17	28.23	28.31	28.32	28.35	28.44	29.38
Y732u	511735	180957	27.90	27.93	27.97	28.05	28.10	28.19	28.21	28.25	28.36	29.38
Y732d	511734	180955	27.88	27.91	27.95	28.03	28.08	28.16	28.18	28.22	28.33	29.27
Y731	511669	180803	27.74	27.78	27.82	27.90	27.96	28.06	28.08	28.12	28.25	29.26
Y730u	511638	180644	27.61	27.65	27.70	27.79	27.85	27.95	27.97	28.01	28.15	29.19
Y730d	511629	180617	27.58	27.62	27.67	27.76	27.82	27.92	27.94	27.98	28.12	29.11

MODELLED FLOWS

			Return Period									
Node Label	Easting	Northing	5 yr	10 yr	20 yr	50 yr	100 yr	100yr + 20%	100yr + 25%	100yr + 35%	100yr + 70%	1000yr
Y734	511774	181138	7.11	7.29	7.47	7.68	7.80	8.11	8.19	8.35	8.81	24.93
Y733u	511776	181049	7.11	7.30	7.48	7.69	7.81	8.11	8.20	8.36	8.84	24.44
Y733d	511774	181046	7.11	7.30	7.48	7.69	7.81	8.11	8.20	8.36	8.84	24.44
Y732u	511735	180957	7.64	7.91	8.22	8.76	9.16	9.80	9.96	10.24	11.11	24.70
Y732d	511734	180955	7.64	7.91	8.22	8.76	9.16	9.80	9.96	10.24	11.11	24.70
Y731	511669	180803	7.64	7.92	8.23	8.76	9.16	9.78	9.92	10.18	10.97	24.46
Y730u	511638	180644	7.76	8.06	8.40	9.01	9.46	10.17	10.33	10.62	11.51	24.37
Y730d	511629	180617	7.76	8.06	8.40	9.01	9.46	10.17	10.33	10.62	11.51	24.37