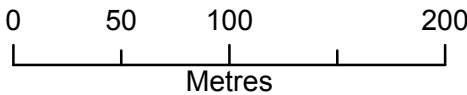


Appendix C Environment Agency's Data and Information

Detailed FRA centred on: 2A Austin"s Lane, Ickenham, UB10 8RH - 25/02/2021 - HNL 205764 BC



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>

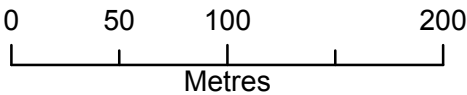
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Detailed FRA centred on: 2A Austin"s Lane, Ickenham, UB10 8RH - 25/02/2021 - HNL 205764 BC



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



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

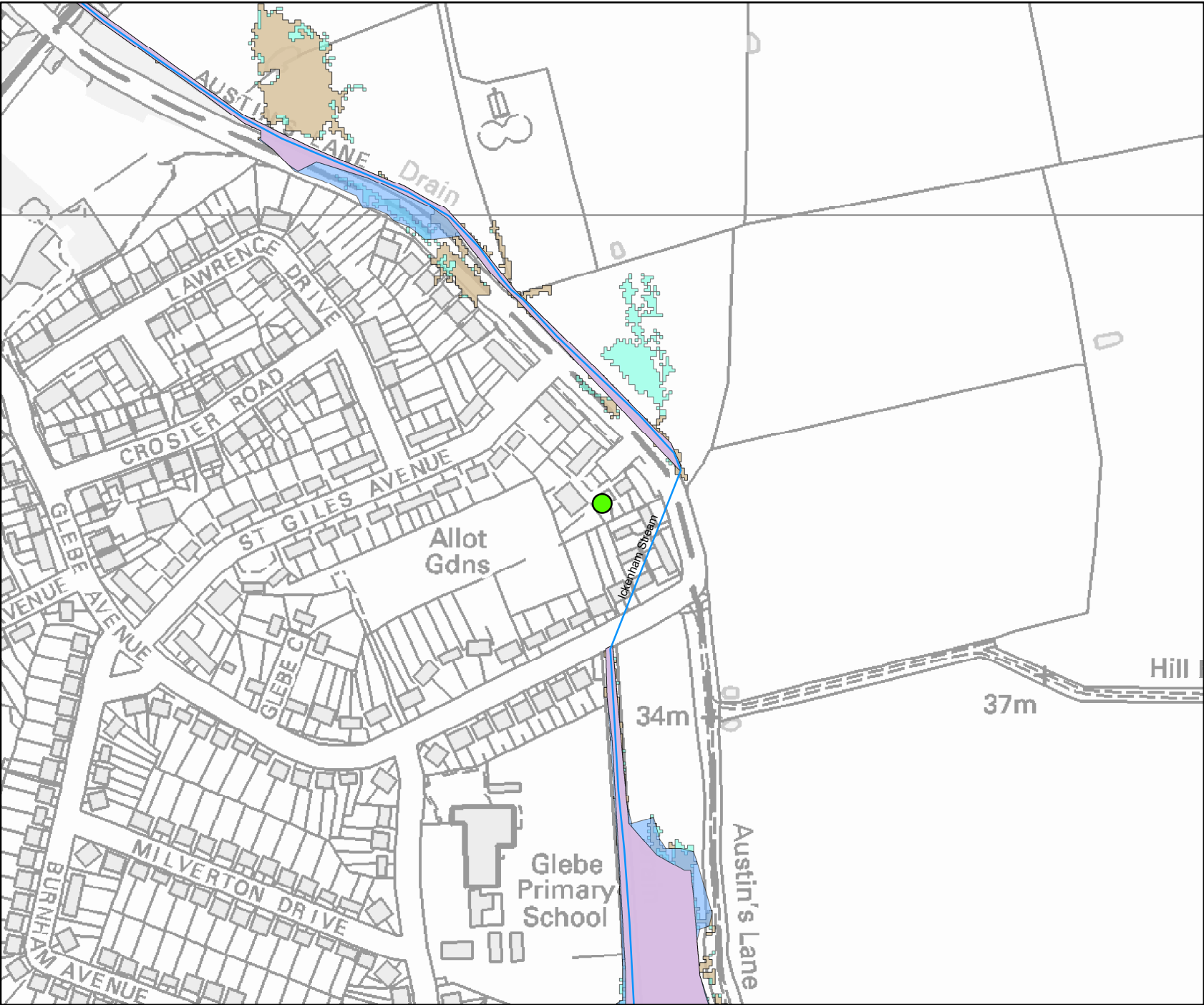
The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment.

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

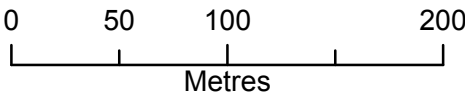
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Detailed FRA centred on: 2A Austin"s Lane, Ickenham, UB10 8RH - 25/02/2021 - HNL 205764 BC



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



Legend

- Main Rivers
- Site location

Defended Flood Outlines

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

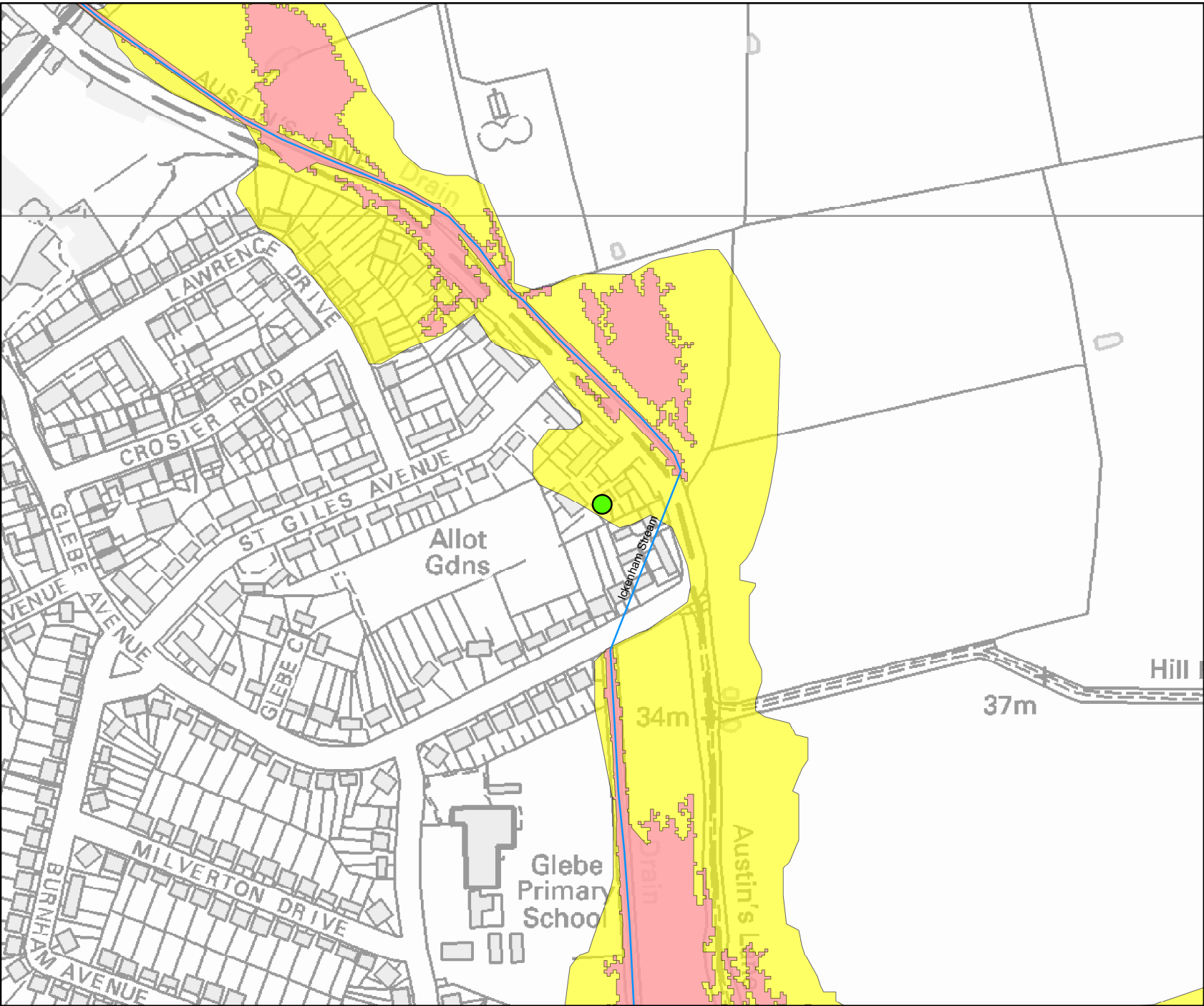
The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment.

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

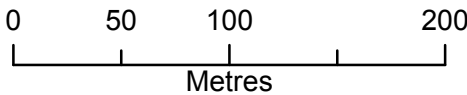
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Detailed FRA centred on: 2A Austin"s Lane, Ickenham, UB10 8RH - 25/02/2021 - HNL 205764 BC



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AL7 1HE



Legend

- Main Rivers
- Site location

1D Nodes

- Node Results

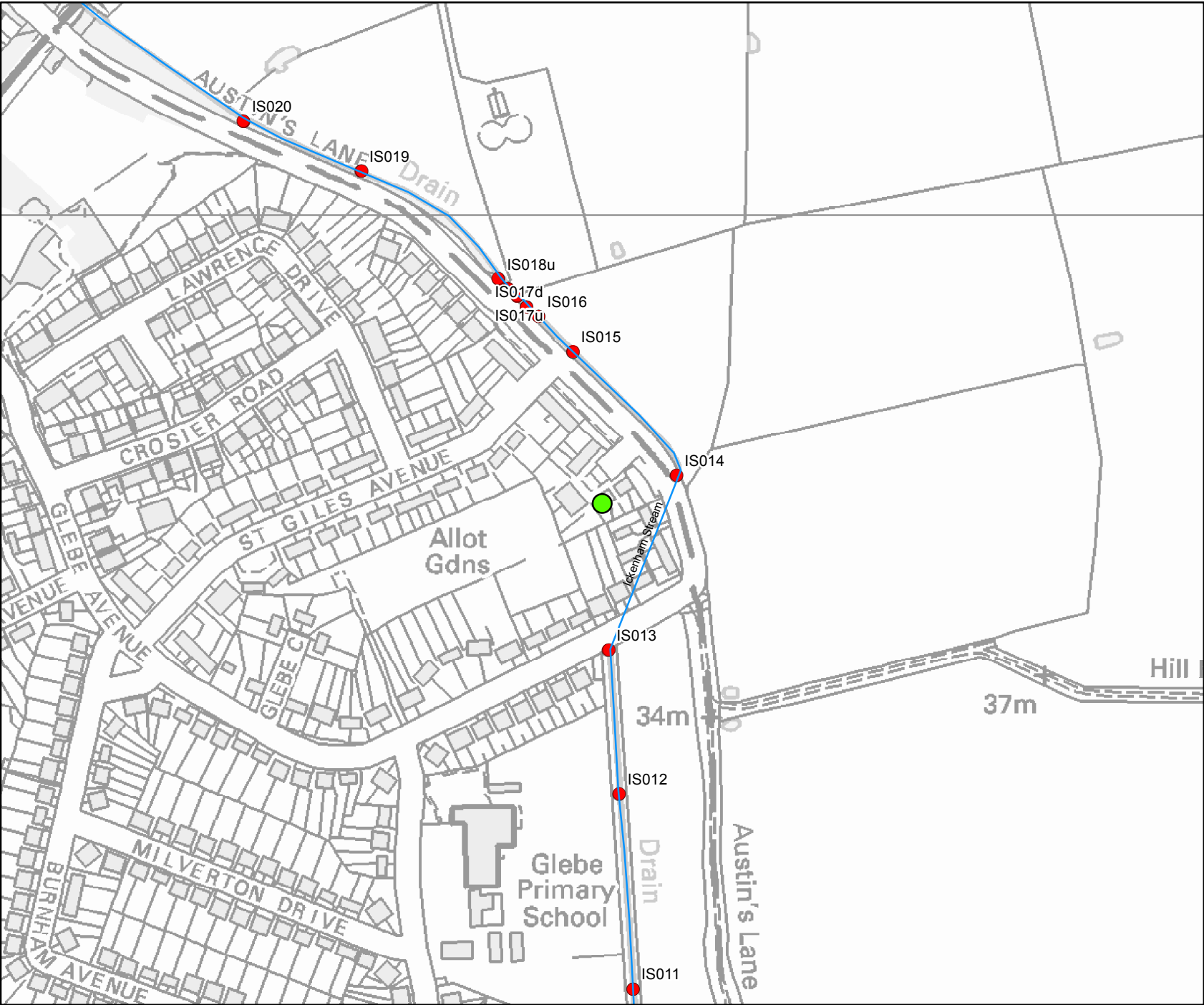
The data in this map has been extracted from the River Crane Mapping Study (Halcrow 2008). This model has been designed for catchment wide flood risk mapping. It should be noted that it was not created to produce flood levels for specific development sites within the catchment.

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

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Environment Agency ref: HNL 205764 BC

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
IS018d	508510	185952	35.37	35.52	35.62	35.63	35.65	35.66	35.67	35.68	35.70	35.84
IS017u	508516	185947	35.37	35.51	35.62	35.63	35.64	35.66	35.67	35.68	35.70	35.83
IS017d	508522	185940	35.25	35.32	35.37	35.40	35.42	35.46	35.48	35.49	35.52	35.82
IS016	508530	185934	35.18	35.26	35.32	35.34	35.37	35.42	35.45	35.46	35.50	35.70
IS015	508552	185911	35.00	35.06	35.13	35.17	35.21	35.26	35.29	35.30	35.36	35.49
IS014	508619	185831	34.57	34.66	34.76	34.87	34.95	35.04	35.07	35.08	35.13	35.27
IS013	508575	185718	34.21	34.26	34.32	34.35	34.38	34.43	34.46	34.48	34.58	34.81
IS012	508582	185625	33.82	33.91	33.98	34.01	34.03	34.07	34.10	34.13	34.20	34.41
IS011	508591	185499	33.75	33.84	33.92	33.94	33.96	34.01	34.04	34.07	34.15	34.37
IS020	508339	186060	36.61	36.67	36.76	36.79	36.81	36.85	36.88	36.89	36.94	37.11
IS019	508415	186028	36.10	36.16	36.21	36.23	36.24	36.26	36.28	36.28	36.31	36.49
IS018u	508504	185958	35.71	35.75	35.80	35.82	35.84	35.87	35.90	35.91	35.96	36.16

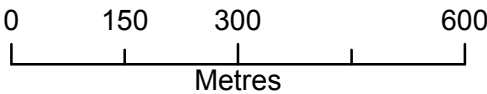
MODELLED FLOWS

			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
IS018d	508510	185952	1.04	1.27	1.58	1.73	1.88	2.20	2.42	2.54	3.09	6.46
IS017u	508516	185947	1.04	1.27	1.58	1.73	1.88	2.20	2.42	2.54	3.09	6.46
IS017d	508522	185940	1.04	1.27	1.58	1.73	1.88	2.20	2.42	2.54	3.09	6.46
IS016	508530	185934	1.04	1.27	1.58	1.73	1.88	2.20	2.42	2.54	3.09	6.46
IS015	508552	185911	1.04	1.27	1.59	1.73	1.87	2.20	2.41	2.54	3.09	6.46
IS014	508619	185831	1.04	1.27	1.58	1.73	1.87	2.19	2.39	2.53	3.09	6.46
IS013	508575	185718	1.04	1.27	1.58	1.73	1.87	2.19	2.39	2.53	3.09	6.46
IS012	508582	185625	1.04	1.27	1.58	1.73	1.87	2.19	2.38	2.53	3.08	6.44
IS011	508591	185499	1.03	1.27	1.58	1.72	1.86	2.16	2.33	2.48	3.02	6.25
IS020	508339	186060	1.04	1.27	1.59	1.74	1.88	2.20	2.45	2.54	3.09	6.47
IS019	508415	186028	1.04	1.27	1.58	1.74	1.88	2.19	2.44	2.54	3.09	6.47
IS018u	508504	185958	1.04	1.27	1.58	1.73	1.88	2.20	2.42	2.54	3.09	6.46

Historic Flood Map centred on: 2A Austin"s Lane, Ickenham, UB10 8RH - 25/02/2021 - HNL 205764 BC



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AL7 1HE



Legend

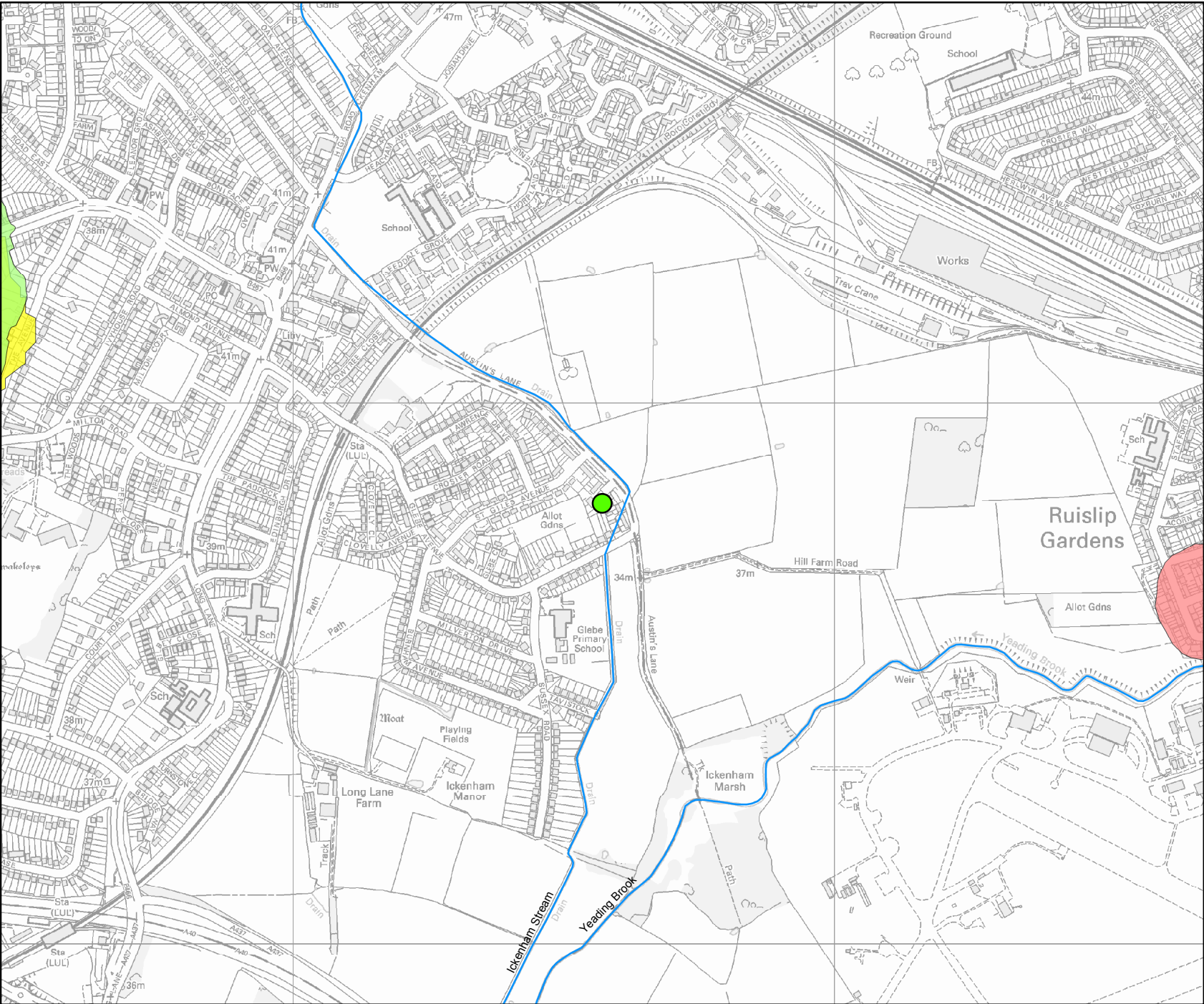
- Main Rivers
- Site location

Flood Event Outlines

- 1959
- 1977
- 1988

The historic flood event outlines are based on a combination of anecdotal evidence, Environment Agency staff observations and survey. Our historic flood event outlines do not provide a definitive record of flooding. It is possible that there will be an absence of data in places where we have not been able to record the extent of flooding. It is also possible for errors occur in the digitisation of historic records of flooding.

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