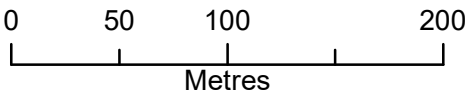


Appendix C Environment Agency's Data and Information



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



Legend

- Main Rivers
- Site location

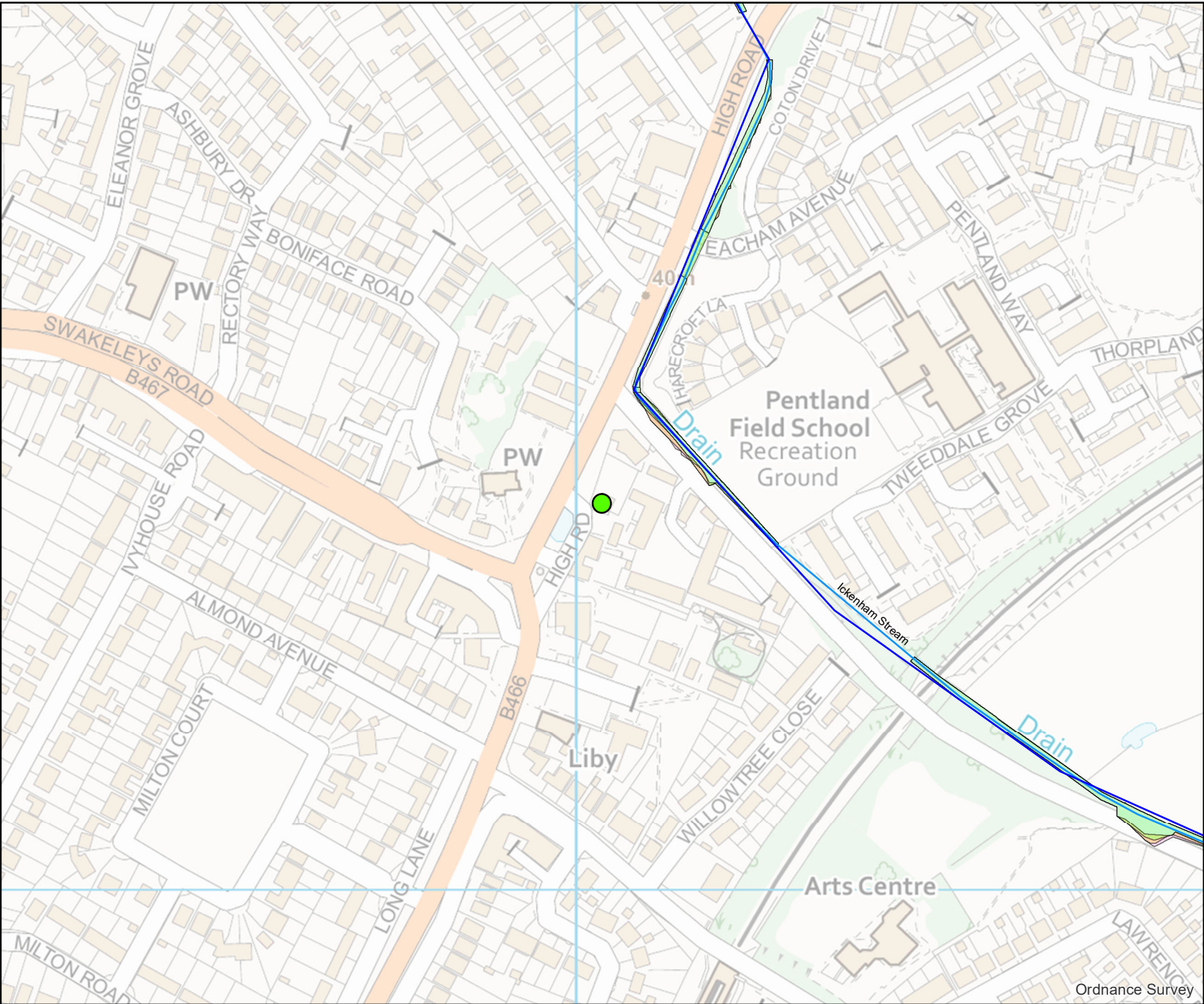
Defended Flood Outlines

- 1 in 10 (10%) Defended
- 1 in 20 (5%) Defended
- 1 in 50 (2%) Defended
- 1 in 100 (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. <https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>

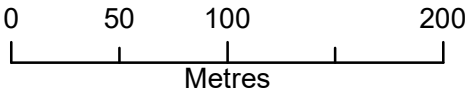
Produced by:
Partnerships & Strategic Overview,
Hertfordshire & North London



Detailed FRA centred on: Home Farm House, 14 High Road, Ickenham, UB10 8LJ - 14/07/2022 - HNL 271371 BC



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



Legend

- Main Rivers
- Site location

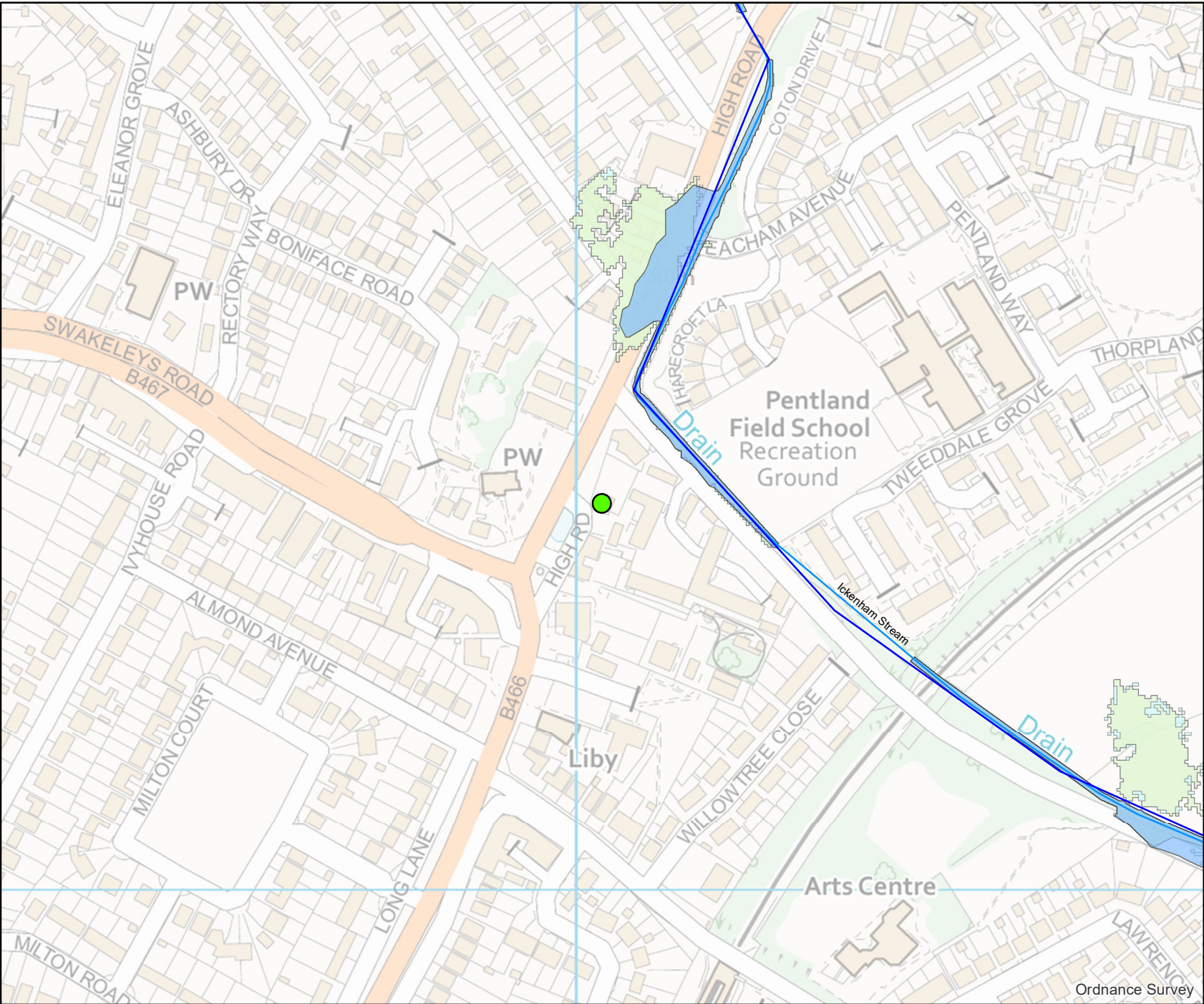
Defended Flood Outlines

- 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 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>

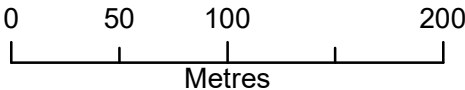
Produced by:
Partnerships & Strategic Overview,
Hertfordshire & North London



Detailed FRA centred on: Home Farm House, 14 High Road, Ickenham, UB10 8LJ - 14/07/2022 - HNL 271371 BC



Environment Agency
Alchemy,
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AL7 1HE



Legend

- Main Rivers
- Site location

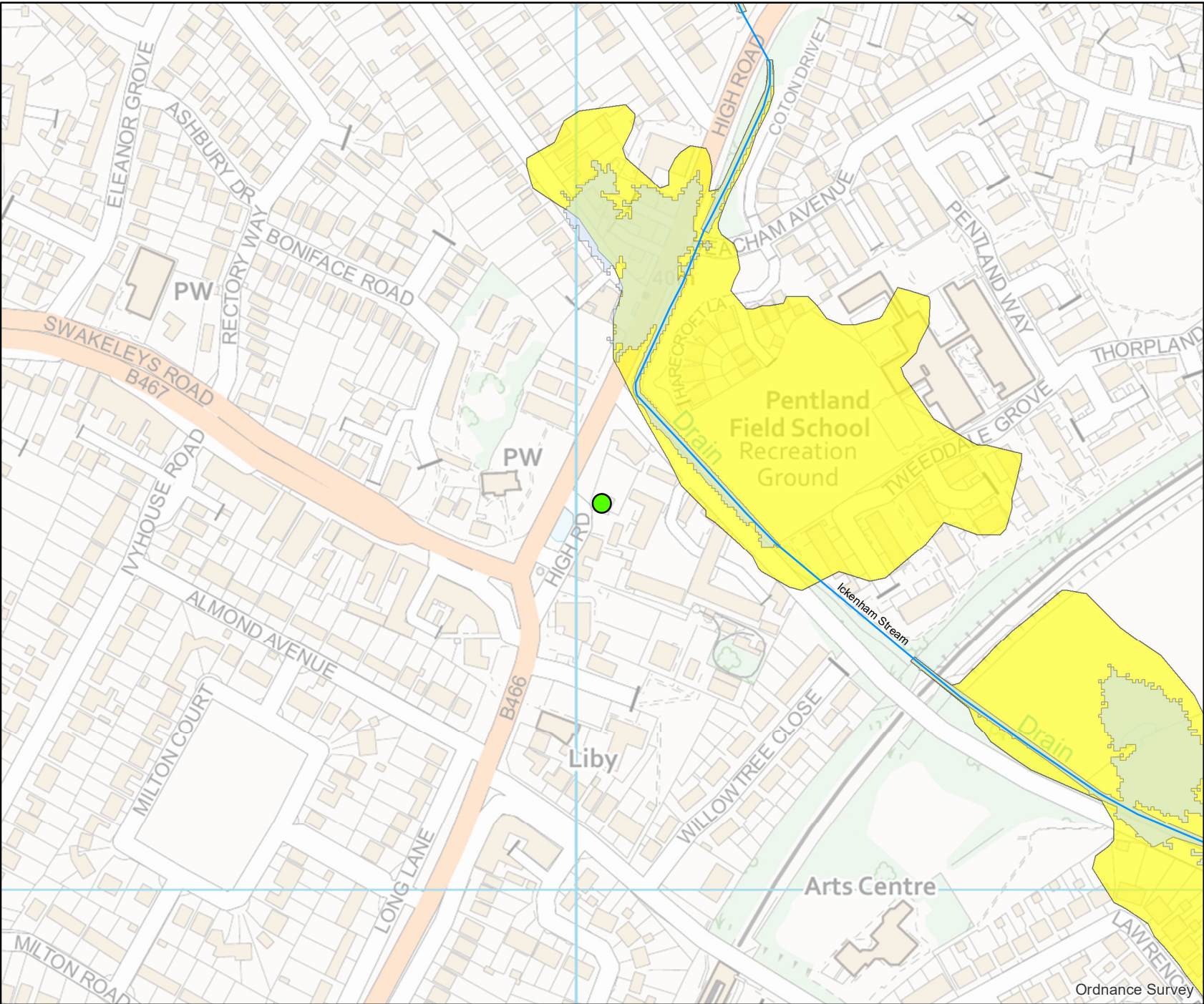
Defended Flood Outlines

- 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. 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>

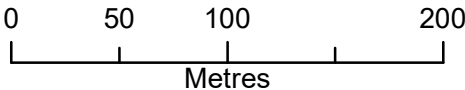
Produced by:
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Hertfordshire & North London



Detailed FRA centred on: Home Farm House, 14 High Road, Ickenham, UB10 8LJ - 14/07/2022 - HNL 271371 BC



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Legend

- Main Rivers
- Site location

1D Node Results

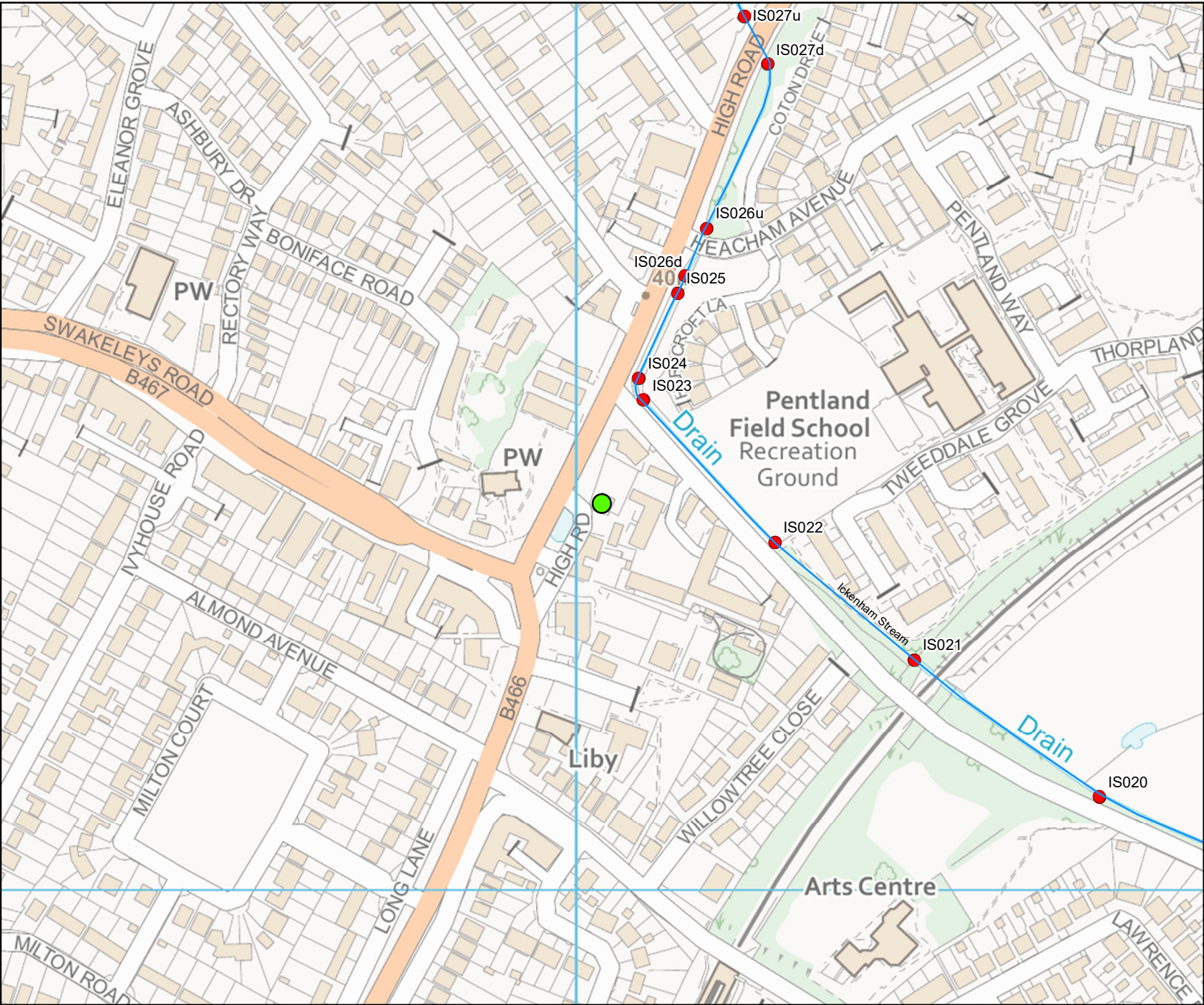
- Node Results

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.

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

Produced by:
Partnerships & Strategic Overview,
Hertfordshire & North London



Environment Agency ref: HNL 271371 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
IS027u	508109	186565	41.60	41.62	41.65	41.66	41.67	41.69	41.70	41.71	41.73	41.88
IS027d	508124	186534	41.45	41.48	41.52	41.53	41.54	41.57	41.58	41.59	41.62	41.77
IS026u	508085	186428	41.41	41.44	41.47	41.48	41.49	41.51	41.52	41.53	41.56	41.72
IS026d	508071	186397	41.05	41.05	41.11	41.13	41.14	41.17	41.24	41.22	41.28	41.34
IS025	508066	186386	40.98	40.98	41.05	41.07	41.09	41.12	41.18	41.17	41.22	41.22
IS024	508041	186331	40.43	40.42	40.44	40.45	40.46	40.47	40.50	40.49	40.52	40.64
IS023	508044	186317	39.86	39.92	40.02	40.06	40.10	40.17	40.24	40.22	40.35	40.63
IS022	508129	186225	39.01	39.07	39.14	39.17	39.20	39.27	39.33	39.35	39.50	40.52
IS021	508219	186149	37.37	37.41	37.47	37.50	37.53	37.58	37.63	37.64	37.72	38.07
IS020	508339	186060	36.61	36.67	36.76	36.79	36.81	36.85	36.88	36.89	36.94	37.11

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
IS027u	508109	186565	1.04	1.28	1.59	1.73	1.88	2.20	2.37	2.55	3.10	6.57
IS027d	508124	186534	1.04	1.28	1.59	1.73	1.88	2.20	2.37	2.55	3.10	6.57
IS026u	508085	186428	1.04	1.27	1.59	1.74	1.88	2.20	2.37	2.54	3.09	6.54
IS026d	508071	186397	1.04	1.27	1.59	1.74	1.88	2.20	2.37	2.54	3.09	6.54
IS025	508066	186386	1.07	1.27	1.66	1.85	1.95	2.32	3.22	2.90	4.12	6.54
IS024	508041	186331	1.21	1.27	1.67	1.86	1.99	2.35	2.79	2.68	3.34	6.53
IS023	508044	186317	1.21	1.27	1.67	1.86	1.99	2.35	2.79	2.68	3.34	6.53
IS022	508129	186225	1.04	1.27	1.61	1.78	1.92	2.24	2.53	2.54	3.09	6.47
IS021	508219	186149	1.04	1.27	1.60	1.76	1.90	2.21	2.48	2.54	3.09	6.47
IS020	508339	186060	1.04	1.27	1.59	1.74	1.88	2.20	2.45	2.54	3.09	6.47