

Ground Level Tree Assessment

Survey site:

Land off Archway Road, Huyton, Metropolitan Borough of Knowsley, Merseyside, L36 9XD

Client:

Genr8 Kajima Regeneration (Huyton) Limited

Survey date:

16th April 2025

Project:

This report is prepared to inform a planning application with the Liverpool City Council. The proposal is described as: Main 7 acre site: The demolition of the existing muni tower, annex and computer centre, as well as enabling works to the whole site Phase 1 sees a new council HQ, 130 bed hotel and affordable 75 unit residential block built, as well as some of the public realm. The outline application for later phases allows for a maximum of 500 residential units and/or commercial development.

Lathom Road, Lansdowne way & old market:

Demolition of existing, and replacement with a 150 space surface level car park, to incl. EV charging and cycle spaces, and public realm.

Cavendish:

Retain existing building, refurbish the interior, make some façade upgrades and punch some new windows through.

GLTA survey methodology and legislation can be found in the Arbtech Supplement: [PRA Methodology and Legislation - 2024.](#)

The survey results and recommendations contained within this report are valid for 18 months. An updated site visit may be required if the report is to be used any longer than 18 months after completion.

Site Location and Context					
The survey site is centred on National Grid Reference SJ 44183 90863 and has an area of approximately 2.8ha. The site comprises multiple buildings (B1-5), associated hardstanding and landscaping including grassland, ornamental shrubs, tree lines and hedgerows. The site is adjacent to Huyton Village Shopping Centre to the south, within the urban town of Huyton. The surrounding landscape is comprised of urban development including tarmacked roads subject to heavy traffic, urban buildings and residential dwellings with associated vegetated gardens. There are amenity green spaces including that associated with Lord Derby Academy situated ~400m east and Bowring Park and Golf Course situated ~800m west. There are train tracks situated ~80m south which likely enhance the area for a variety of species, including bats, amphibians and reptiles by aiding in dispersal to areas of optimal habitat within the wider landscape.					
Survey Details					
The site survey was undertaken by Katie Crawford BSc MRes ACIEEM (Natural England Protected Species Licence Numbers: [Bats] (2023-11335-CL18-BAT) [Great Crested Newts] (2023-11555-CL08-GCN)					
Date of survey	Temperature (°C)	Humidity (%)	Cloud Cover (%)	Wind (km/h)	Rain
16/04/2025	9	79	90	9	Light

				context it is given PRF-i	
	T5	Horse chestnut	~70cm (large)	Dense ivy cover around trunk, but tree not large enough or mature enough stems to be considered to have features suitable for multiple bats and considering the heavily urban context it is given PRF-i	
	T6	Beech	~74cm (large)	No features, negligible	

	T7	Ash	~33cm (medium)	No features, negligible	
	T8	Rowan	~33cm (medium)	No features, negligible	

	T9	Cherry	~33cm (medium)	No features, negligible	
	T10	Cherry	~33cm (medium)	No features, negligible	
	T11	Cherry	~31cm (medium)	No features, negligible	
	T12	Cherry	~32cm (medium)	No features, negligible	
	T13	Cherry	~20cm (small)	No features, negligible	
	T14	Cherry	~37cm (medium)	No features, negligible	
	T15	Cherry	~37cm (medium)	No features, negligible	

	T16	Rowan	~27cm (small)	No features, negligible	
	T17	Norway Maple	~35cm (medium)	No features, negligible	
	T18	Cherry	~35cm (medium)	No features, negligible	
	T19	Silver birch	~22cm (small)	No features, negligible potential	
	T20	Silver birch	~27cm (small)		

	T21	Maple	~21cm (small)	No features, negligible	
	T22	Silver birch	~34cm (medium)	Both along footpath, split in trunk of	

	T23	Cherry	~27cm (small)	silver birch does not lead into suitable roosting feature, both negligible	
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	T24	Whitebeam	~20cm (small)	Urban setting, no features, negligible	

	T25	Whitebeam	~20cm (small)		
	T26	Silver birch	~32cm (medium)	Light ivy cover on one birch but urban and heavily lit	

	T27	Silver birch	~39cm (medium)	setting, negligible suitability, birds nest observed	
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	T28	Whitebeam	~19cm (small)	Two lines of urban trees beside a path, no features negligible potential	
	T29	Whitebeam	~19cm (small)		
	T30	Whitebeam	~19cm (small)		
	T31	Whitebeam	~16cm (small)		
	T32	Whitebeam	~28cm (small)		
	T33	Whitebeam	~23cm (small)		

	T34	Ash	~15cm (small)	No features, negligible suitability	
	T35	Lime	~60cm (medium)	No features, negligible suitability	
	T36	Sycamore	~22cm (small)	No features, negligible suitability	
	T37	Poplar	~49cm (large)	No features, negligible suitability	

	T38	Poplar	~35cm (medium)	No features, negligible suitability	
	T39	Lime	~52cm (large)	No features, negligible suitability	
	T40	Sycamore	~22cm (small)	No features, negligible suitability	
	T41	Poplar	~81cm (large)	No features, negligible suitability	
	T42	Rowan	~21cm (small)	No features, negligible suitability	

	T43	Holly	~16cm (small)	No features, negligible suitability	
	T44	Sycamore	~22cm (small)	No features, negligible suitability	
	T45	Norway Maple	~35cm (medium)	No features, negligible suitability	
	T46	Norway Maple	~35cm (medium)	No features, negligible suitability	
	T47	Rowan	~28cm (small)	No features, negligible suitability	
	T48	Sycamore	~50cm (medium)	No features, negligible suitability	
	T49	Oak	~90cm (large)	Small split limb, with feature approximately 4m high and north facing, PRF-U	

	T50	Sweet chestnut	~33cm (medium)	No features, negligible suitability	
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	T51	Beech	~75cm (medium)	Split trunk at base but does not lead to a feature, negligible potential	
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	T52	Norway Maple	~15cm (small)	No features, negligible suitability, light ivy cover but no mature stems and very urban setting	
	T53	Whitebeam	~25cm (small)	No features, negligible suitability	
	T54	Rowan	~15cm (small)	No features, negligible suitability	

	T55	Hawthorn	~15cm (small)	Dense ivy cover, PRF-I	
	T56	Cockspur thorn	~29cm (small)	No features, negligible suitability	
	T57	Ash	~10cm (small)	No features, negligible suitability	

	T58	Ash	~18cm (small)	No features, negligible suitability	
	T59	Lime	~27cm (small)	No features, negligible suitability	
	T60	Norway Maple	~27cm (small)	No features, negligible suitability	
	T61	Norway Maple	~27cm (small)	No features, negligible suitability	

	T62	Norway Maple	~23cm (small)	No features, negligible suitability	
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	T63	Norway Maple	~29cm (small)	No features, negligible suitability	
	T64	Norway Maple	~31cm (medium)	No features, negligible suitability	
	T65	Norway Maple	~20cm (small)	Dense ivy cover, PRF-I	

	T66	Norway Maple	~20cm (small)	No features, negligible suitability	
	T67	Norway Maple	~22cm (small)	Dense ivy cover around trunk, PRF-I	

	T68	Whitebeam	~29cm (small)	No features, negligible suitability	
	T69	Beech	~45cm (medium)	Dense ivy cover, given the urban context and species it is considered PRF-I	

	T70	Beech	~43cm (medium)	No features, negligible suitability	
	T71	Oak	~72cm (large)	Knothole approximately 2m high, visibly not leading into a feature and upwards facing, negligible potential	

	T72	Cider gum	~16cm (small)	Very small and short trees with no features, negligible	
	T73	Rowan	~15cm (small)		
	T74	Rowan	~15cm (small)		

					
	T75	Callery pear	~15cm (small)	Small tree, no features, negligible	

	T76	Whitebeam	~17cm (small)	No features, negligible suitability	
	T77	Whitebeam	~13cm (small)	No features, negligible suitability	

	T78	White poplar	~76cm (large)	Large tree with generally smooth bark, split in trunk but does not lead to internal feature, negligible suitability	
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	T79	Silver birch	~22cm (small)	No features, negligible suitability	
	T80	Lime	~68cm (large)	Ivy cover on trunk with stems appearing mature, PRF-I	

	T81	Norway Maple	~29cm (small)	No features, negligible suitability	
	T82	Norway Maple	~38cm (medium)	No features, knothole approximately 1.5m up on southern elevation but does not lead on to further crevice, negligible suitability	

	T83	Norway Maple	~31cm (medium)	No features, negligible suitability	
	T84	Norway Maple	~34cm (medium)	No features, negligible suitability	
	T85	Hornbeam	~75cm (medium)	No features, negligible suitability	
	T86	Common pear	~14cm (small)	No features, negligible suitability	
	T87	Lime	~30cm (medium)	No features, negligible suitability	
	T88	Lime	~30cm (medium)	No features, negligible suitability	

	T89	Lime	~31cm (medium)	No features, negligible suitability	
	T90	Norway Maple	~35cm (medium)	Ivy cover around trunk of tree, PRF-I	

	T91	Silver birch	~42cm (medium)	Ivy cover on two birch trees but light cover and no thick stems on ivy to provide a crevice, other two birch trees have no features and negligible potential	
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	T92	Rowan	~20cm (small)	No features, young tree, negligible suitability	
	T93	Alder	~15cm (small)	No features, young tree, negligible suitability	
	T94	Alder	~15cm (small)	No features, young tree, negligible suitability	

	G1 (T141-146)	Line of 10 Beech	~52cm (medium)	No features, small beech has some knotholes but do not lead into features, all negligible suitability	
	G2 (T116-127+ T140)	Ash and Maple group	~31cm maximum (medium)	No features, negligible	

	G3 (T94- T108)	Group of 11 trees including ash, maple and silver birch	Mix of small and medium	No visible features, some light ivy cover on a couple of trees, negligible suitability	
	G4 (T179- 182)	Group of 4 whitebeam trees	Medium	No features, negligible	

	G5 (T128-139)	Group of 13 trees including sycamore and beech	Mix of small and medium	No features, negligible		
	G6 (T183-186)	Group of 4 wild service trees	Mix of medium and large	T185 dense ivy clad		

	G7 (T187-191)	Group of 5 trees including alder, cherry and field maple	Mix of small and medium	Negligible feature on T187. ~1.5m above ground facing upwards. Feature is exposed to weather and will retain water making it unsuitable.	
	G8 (T109-114)	Group of 8 trees including silver birch and lime	Mix of medium and large	One large tree (T144) dense ivy clad	

	G9 (T147-176)	Group of 29 trees including holly, cherry, cabbage tree, silver birch, field maple, poplar and sycamore	Mix of small, medium and large	No features, superficial crevices present on poplar and holly, negligible	
	T115	Cherry		No features, knot holes present but superficial	

	T177	Alder		No features, negligible		
	T178	Alder		No features, negligible		
Foreseen Impacts	As a feature were identified on T49, the felling of this tree could result in destruction of any bat roosts present within the identified feature and could cause disturbance, death or injury to bats.					

<i>Recommendations</i>	If this tree is proposed to be felled, a close-up inspection of the PRF identified from ground-level on T49 will be required to determine the suitability for bats (i.e. PRF-I or PRF-M). This will involve a tree climbing team or MEWP to access the features and should be carried out by a class 2 licenced ecologist. The inspection will involve a detailed inspection of all features using a torch and endoscope. Following this inspection, the features will then be re-classified based on their suitability for roosting bats. Depending on the results of the close-up inspection further surveys may be required to determine bat presence/likely-absence or a recommendation to remove the trees under a precautionary working method statement For other trees, as per Tables 6.3 and 7.1 of the Bat Survey Guidelines (2023) trees with PRF-I's only do not require further survey effort, however compensation for lost features should be installed prior to tree felling works, and works should be carried out under a precautionary working method statement (PWMS). The PWMS includes: • Prior to any PRF removal, suitable compensation should be provided onsite (i.e. bat boxes in appropriate locations) • Felling to be done under supervision by an ecologist • Any identified PRF-I feature(s) will be soft felled in conjunction with an experienced arborist. This will involve sections of the tree with the PRF to be cut away and lowered to the ground and inspected by a licenced ecologist • Any PRFs felled will be left in-situ on the ground within a 10m exclusion zone for 24 hours • In the unlikely event that a bat or evidence of bats is discovered during the development all work must stop and a bat licensed ecologist contacted for further advice Suggested biodiversity enhancements The installation of at least 10 bat boxes at the site will provide additional roosting habitat for bats. The bat boxes will be incorporated into the fabric of the new dwellings. They will be suitable for pipistrelles (which have been identified locally through EPSL data). Suitable bat boxes include Habibat Bat Box, Ibstock Enclosed Bat Box or similar alternative brand. Bat boxes should be positioned 3-5m above ground level facing in a south or south-westerly direction with a clear flight path to and from the entrance, away from artificial light.
Birds	
<i>Summary of Survey Findings</i>	<u>Trees:</u> A single bird's nest was identified within T27. Additionally, all on site trees provide foraging opportunities and nest-building resources for birds. <u>Barn owls:</u>

	The site does not appear to provide any suitable nesting sites for barn owls. <u>Overwintering birds:</u> Due to the small size of the site and the extent and type of the habitats recorded, the site not considered suitable to support a significant assemblage of protected and/or notable birds.
<i>Foreseen Impacts</i>	Buildings/trees The felling of trees could result in the destruction or the disturbance and subsequent abandonment of active bird nests if present during the time of works. Barn owls None foreseen. Overwintering birds None foreseen.
<i>Recommendations</i>	Tree felling or pruning should be undertaken outside the period 1st March to 31st August. If this timeframe cannot be avoided, a close inspection of the vegetation should be undertaken immediately, by a qualified ecologist, prior to the commencement of work. All active nests will need to be retained until the young have fledged. Precautions should be taken with machinery and noise levels when working close to any retained nests so as not to disturb any nearby nesting birds during construction works. At least a 3-5m buffer should be created between any machinery and active nests until the young have fledged. <u>Suggested biodiversity enhancements:</u> The installation of a minimum of five bird boxes on the new buildings will provide additional nesting habitat for birds e.g. ▪ Vivara Pro WoodStone Swift Nest Box (buildings) ▪ House Sparrow Terrace FSC Nest Box (buildings) ▪ Swallow Nest Bowl (buildings) (Or a similar alternative brand). Swift and sparrow boxes should be positioned at the eaves of a building and can be incorporated into the fabric of the building during construction.



Appendix 2: Location map





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Status	Issue	Name	Date
Draft	0.1	Katie Crawford BSc MRes ACIEEM Ecologist	18/04/2025
Final	1.0	Harley Stone BSc (Hons), Consultant Ecologist	23/04/2025
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