

UPPER PARLIAMENT STREET
LIVERPOOL
BAT ROOST ASSESSMENT

UPPER PARLIAMENT STREET, SEPTEMBER 2017

1.0 Introduction

- 111 This preliminary bat roost assessment has been prepared by Anthony Nickson on behalf of Shape Consulting Engineers. The report will accompany a planning application for the erection of 109 apartments over 5 & 6 storeys with associated parking and landscaping at land on Upper Parliament Street between Mulgrave Street and Kingsley Road School.
- 112 This document outlines the methodology, results and impacts of a Preliminary Roost Assessment undertaken on 59 existing trees which are proposed to be removed to facilitate the proposed development.
- 113 The Upper Parliament Street Arboricultural Impact Assessment (DTCL.119.AIA.2017) identifies the trees that need to be removed to accommodate the proposed development.

2.0 Methodology

- 2.1.1 A preliminary roost assessment of the trees was undertaken on the 17th September 2017. An external inspection was undertaken to search for, and to assess the potential for, a bat roost to be present in each tree.
- 2.1.2 A pair of close focussing binoculars, a high-powered torch and an endoscope were used (where required) to search for evidence of bats, externally.
- 2.1.3 The existing trees were then assessed in accordance with the guidelines for assessing the potential suitability of proposed development sites for bats (BCT, 2016).




Table 1. Guidelines for assessing the potential suitability of proposed development sites for bats based on the presence of suitable roosting features within a structure




Suitability	Commuting and foraging habitats
Negligible	Negligible habitat features on site likely to be used by roosting bats.
Low	<p>A structure with one or more potential roost sites that could be used by individual bats opportunistically. However, these potential roost sites do not provide enough space, shelter, protection, appropriate conditions and/or suitable surrounding habitat to be used on a regular basis or by larger numbers of bats (i.e. unlikely to be suitable for maternity or hibernation).</p> <p>A tree of sufficient size and age to contain PRFs but with none seen from the ground or features seen with only very limited roosting potential.</p>
Moderate	A structure or tree with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only – the assessments in this table are made irrespective of species conservation status, which is established after presence is confirmed).
High	A structure or tree with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.

- 2.1.4 Anthony Nickson carried out the daytime bat survey; Anthony is an active bat worker and holds a Natural England Class 2 survey licence (2015-16233-CLS-CLS) for bats; he is also a full member the Chartered Institute of Ecology and Environmental Management.



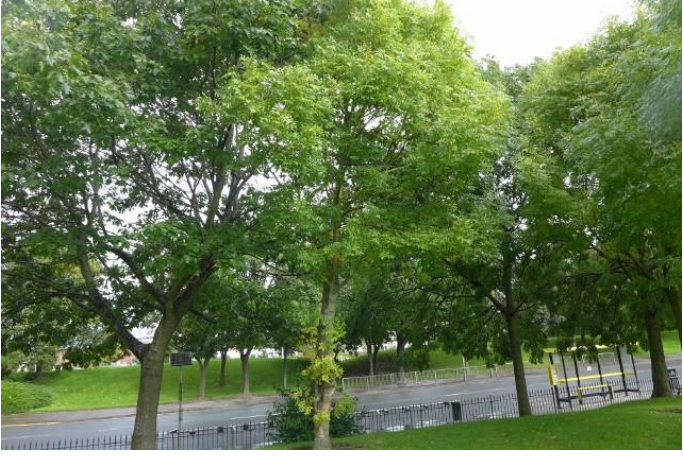
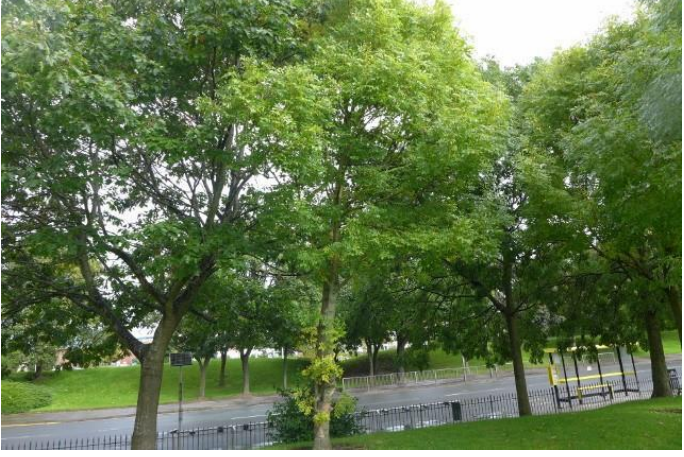
3.0 Results




Table 2. Results of the preliminary roost assessment of the 59 existing trees which are proposed to be removed




Ref:	T1	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T2	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T3	
Species:	Horse Chestnut	




Suitability:	Negligible	
Notes:	Some flaking of bark but not suitable as a PRF.	
Ref:	T4	
Species:	False Acacia	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T5	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T6	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T7	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	




Ref:	T8	
Species:	Apple	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T9	
Species:	Apple	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T10	
Species:	Ash	
Suitability:	Negligible	
Notes:	No PRFs identified	




Ref:	T11	
Species:	Ash	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T12	
Species:	Ash	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T13	
Species:	Ash	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T14	
Species:	Ash	
Suitability:	Negligible	
Notes:	No PRFs identified	




Ref:	T15	
Species:	Red Oak	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T16	
Species:	Ash	
Suitability:	Negligible	
Notes:	Knothole approximately 1m above ground, does not provide PRF	




Ref:	T17	
Species:	Cherry	
Suitability:	Negligible	
Notes:	Flakey bark/small cavity, does not provide PRF	
Ref:	T18	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	






Ref:	T19	
Species:	Cherry	
Suitability:	Negligible	
Notes:	Lose ivy covering, does not provide PRF	
Ref:	T20	
Species:	Broad-leaved Cockspur Thorn	
Suitability:	Negligible	
Notes:	No PRFs identified	




Ref:	T21	
Species:	Alder	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T22	
Species:	Aspen	
Suitability:	Negligible	
Notes:	Stump	
Ref:	T23	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	


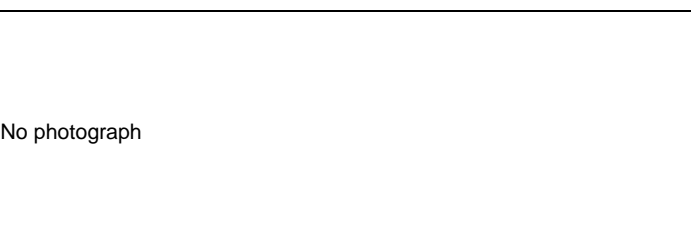

Ref:	T24	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T25	
Species:	Alder	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T26	
Species:	Willow	
Suitability:	Negligible	
Notes:	Stump	




Ref:	T27	
Species:	Willow	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T28	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T29	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	Stump	





Ref:	T30	
Species:	Aspen	
Suitability:	Low	
Notes:	Large tree with no obvious potential, although the tree is of a size and age that elevated surveys may result in cracks or crevices being found	
Ref:	T31	
Species:	Aspen	
Suitability:	Low	
Notes:	Large tree with no obvious potential, although the tree is of a size and age that elevated surveys may result in cracks or crevices being found	
Ref:	T32	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	No PRFs identified, inactive birds nest present	




Ref:	T33	
Species:	Alder	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T34	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T35	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T36	
Species:	Pine	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T37	
Species:	Pine	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T38	
Species:	Pine	
Suitability:	Negligible	
Notes:	No PRFs identified	


Ref:	T39	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	Stump, some regrowth	
Ref:	T40	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T41	
Species:	Horse Chestnut	
Suitability:	Negligible	
Notes:	Stump, some regrowth	

Ref:	T42	
Species:	Sycamore	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T43	
Species:	Sycamore	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T44	No photograph
Species:	Red Oak	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T45	
Species:	Red Oak	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T46	No photograph
Species:	Sycamore	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T47	No photograph
Species:	Red Oak	
Suitability:	Negligible	
Notes:	No PRFs identified	

Ref:	T48	
Species:	Sycamore	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T49	
Species:	Cherry	
Suitability:	Negligible	
Notes:	Stump	
Ref:	T50	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	

Ref:	T51	
Species:	cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T52	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T53	
Species:	Cherry	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T54	
Species:	Sycamore	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T55	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	

Ref:	T56	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T57	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	
Ref:	T58	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	

Ref:	T59	
Species:	Norway Maple	
Suitability:	Negligible	
Notes:	No PRFs identified	

4.0 Impacts

- 4.1.1 No potential roosting features were recorded in any of the trees within the site. 57 of the trees were classified as having negligible potential to support roosting bats and 2 trees (T30 and T31) were classified as having low potential to support roosting bats; due to their size and the fact that elevated surveys may result in cracks or crevices being found.
- 4.1.2 Based on the survey findings the felling of the trees can proceed as the survey information suggests there should be no significant concerns or constraints in relation to roosting bats in the proposals and there is no requirement for an EPS licence in respect of bats.
- 4.1.3 Nevertheless the removal of T30 and T31 should take place under reasonable avoidance measures, these trees should be soft felled under the supervision of a licenced bat ecologist.
- 4.1.4 If during any of the felling works a bat, or an accumulation of bat droppings is discovered at any time, work is to temporarily cease whilst a bat ecologist is contacted for guidance and assistance. This can be Anthony Nickson (07921 571 823) who undertook the initial survey, or the Bat Conservation Trust (BCT) helpline (0845 1300 228).
- 4.1.5 The results presented within this document are valid for two years from publication. If the removal of the trees and hedges is likely to extend beyond this point, a resurvey is recommended.