


Woodland Management Plan

Woodland Property Name	Crane Park	
Case Reference	32369	
Plan Period dd/mm/yyyy (ten years)	Approval Date:	To:
Five Year Review Date		

Revision No.	Date	Status (draft/final)	Reason for Revision
The landowner agrees this plan as a statement of intent for the woodland			<input checked="" type="checkbox"/>

User Support

To maximise the functionality available:



- Connect to the internet;
- Enable macros as prompted;
- Where the text is blue and underlined additional information is available, hover over the text with your mouse and double click to open;
- Where you see the  symbol, left click on it and press the F1 key for a further explanation of the detail required;
- Throughout the document where you see '**Add Box**' double click on the text and additional boxes will appear.

UKFS Management Planning Criteria

Approval of this plan will be considered against the following UKFS criteria, prior to submission review your plan against the criteria using the check list below.

No.	UKFS Management Plan Criteria	Approval Criteria	Applicant Check
1	Forest management plans should state the objectives of management and set out how the appropriate balance between economic, environmental and social objectives will be achieved.	Have objectives of management been stated? Consideration given to economic, environmental and social factors (Section 2.2)	<input checked="" type="checkbox"/>
2	Forest management plans should address the forest context and the forest potential and demonstrate how the relevant interests and issues have been considered and addressed.	Does the management strategy (section 6) take into account the forest context and any special features identified within the woodland survey (section 4)	<input checked="" type="checkbox"/>
3	In designated areas, for example national parks, particular account should be taken of landscape and other sensitivities in the design of forests and forest infrastructure.	Have appropriate designations been identified (section 4.2) if so are these reflected through the work proposals in the management strategy (Section 6)	<input checked="" type="checkbox"/>
4	At the time of felling and restocking, the design of existing forests should be re-assessed and any necessary changes made so that they meet UKFS Requirements.	Felling and restocking are consistent with UKFS forest design principles (Section 5 of the UKFS)	<input checked="" type="checkbox"/>
5	Consultation on forest management plans and proposals should be carried out according to forestry authority procedures and, where required, the Environmental Impact Assessment Regulations.	Has consultation happened in line with current FC guidance and recorded as appropriate in section 7	<input type="checkbox"/>
6	Forests should be designed to achieve a diverse structure of habitat, species and ages of trees, appropriate to the scale and context.	Do the felling and restocking proposals create or improve structural diversity (refer to the plan of operations)	<input checked="" type="checkbox"/>
7	Forests characterised by a lack of diversity due to extensive areas of even-aged trees should be progressively restructured to achieve a range of age classes.	Do the felling and restocking proposals create or improve age class diversity (refer to the plan of operations)	<input checked="" type="checkbox"/>
8	Management of the forest should conform to the plan, and the plan should be updated to ensure it is current and relevant.	Has a five year review period been stated below and achievements recorded in section 3	<input type="checkbox"/>
9	New forests and woodlands should be located and designed to maintain or enhance the visual, cultural and ecological value and character of the landscape.	When new planting is being proposed under this plan is consistent with UKFS and FC guidance on woodland creation	<input type="checkbox"/>

1. Property Details

<u>Woodland Property Name</u>		Crane Park	
Name	London Borough of Richmond Upon Thames	Owner <input checked="" type="checkbox"/>	Tenant <input type="checkbox"/>
Email	T.Hunter@richmond.gov.uk	Contact Number	020 8831 6125
Agent Name (if applicable)			
Email		Contact Number	
County	Greater London	<u>Local Authority</u>	London Borough of Richmond Upon Thames
Grid Reference 	TQ127729	Single Business Identifier 	
Management Plan Area (Hectares)		13.54	
Have you included a Plan of Operations with this management plan?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
List the maps associated with this management plan		Map 5 Crane Park East Application map Map 6 Crane Park East Indicative map Map 7 Crane Park West Application map Map 20 Crane Park West Indicative map	
Do you intend to use the information within the management plan and associated plan of operations to apply for the following		Felling Licence	<input checked="" type="checkbox"/>
		Thinning Licence	<input checked="" type="checkbox"/>
		Woodland Regeneration Grant	<input type="checkbox"/>
Tick to declare management control and agreement to public availability of the plan		<input checked="" type="checkbox"/>	

2. Vision and Objectives

To develop your long term vision, you need to express as clearly as possible the overall direction of management for the woodland(s) and how you envisage it will be in the future. This covers the duration of the plan and beyond.

2.1 Vision

Describe your long term vision for the woodland(s).

High quality public open space centred on a clearwater stream with associated streamside communities and connecting areas of semi-natural ash-dominated woodland of diverse age structure and only occasional specimen exotics. Himalayan balsam and other non-native invasive species will be under control.

2.2 Management Objectives

State the objectives of management demonstrating how sustainable forest management is to be achieved. Objectives are a set of specific, quantifiable statements that represent what needs to happen to achieve the long term vision.

No.	Objectives (include environmental, economic and social considerations)
1	Non native species, especially sycamore, himalayan balsam, Japanese knotweed. giant hogweed should be rare within the woodland
2	Improve woodland structure to increase natural regeneration and promote a diverse ground flora throughout the site
3	Improve access to most of the site
4	Improve amenity value of the site
5	

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3. Plan Review - Achievements

Use this section to identify achievements made against previous plan objectives. This section should be completed at the 5 year review and could be informed through monitoring activities undertaken.

Objectives	Achievement


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4. Woodland Survey


This section is about collecting information relating to your woodland and its location, including any statutory constraints i.e. designations.

4.1 Description

Brief description of the woodland property 	<p>Elongated site following the line of the River Crane. Extensive areas of secondary woodland, scrub, amenity grassland, semi-improved grassland and riparian habitat</p> <p>The site is set within a dense residential area and most of the northern part of the park adjoins the gardens of neighbouring houses as well as a London Wildlife Trust wildlife site</p>
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4.2 Information

Use this section to identify features that are both present in your woodland(s) and where required, on land adjacent to your woodland. It may be useful to identify known features on an accompanying map. Woodland information for your property can be found on the ['Magic'](#) website or the Forestry Commission [Land Information Search](#).

Feature	Within Woodland(s)		Cpts	Adjacent to Woodland(s)		Map No
Biodiversity - Designations						
Site of Special Scientific Interest	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Special Area of Conservation	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Tree Protection Order	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Special Protection Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Ramsar Site 	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
National Nature Reserve	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Local Nature Reserve	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Crane Park West
Other (please Specify): Site of Metropolitan Importance	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Notes						

Feature	Within Woodland(s)		Cpts	Map No	Notes
Biodiversity - European Protected Species					
Bat	Species (if known)		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Dormouse	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Great Crested Newt	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Otter	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Sand Lizard	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Smooth Snake	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Natterjack Toad	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Biodiversity – Priority Species					
<u>Schedule 1 Birds</u> Species	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Mammals (Red Squirrel, Water Vole, Pine Marten etc)	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>			Watervole
Reptiles (grass snake, adder, common lizard etc)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Grass snake
Plants	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Fungi/Lichens	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Invertebrates (butterflies, moths, beetles etc)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Amphibians (pool frog, common toad)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Historic Environment					
Scheduled Monuments	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Shot Tower
Unscheduled Monuments	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Scheduled Landscapes	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Registered Parks and Gardens	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Boundaries and Veteran Trees	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Veteran willows
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Landscape					
<u>National Character Area</u> (please Specify):					
National Park	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Area of Outstanding Natural Beauty	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
People					
CROW Access	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Public Rights of Way (any)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Other Access Provision	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Site is open access
Public Involvement	Yes <input checked="" type="checkbox"/>	No <input checked="" type="checkbox"/>			Friends of River Crane Environment
Visitor Information	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Public Recreation Facilities	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Provision of Learning Opportunities	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Outdoor classroom
Anti-social Behaviour	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

<u>Water</u>					
Watercourses	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			River Crane
Lakes	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Ponds	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

4.3 Habitat Types

This section is to consider the habitat types within your woodland(s) that might impact/inform your management decisions. Larger non-wooded areas within your woodland should be classified according to broad habitat type where relevant this information should also help inform your management decisions. Woodlands should be designed to achieve a diverse structure of habitat, species and ages of trees, appropriate to the scale and context of the woodland.

Feature	Within Woodland(s)		Cpts	Map No	Notes
Woodland Habitat Types					
Ancient Semi-Natural Woodland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Planted Ancient Woodland Site (PAWS)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Semi-natural features in PAWS	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland beech and yew woodland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland mixed deciduous woodland	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Secondary woodland
Upland mixed ash woods	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Upland Oakwood	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Wet woodland	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wood-pasture and parkland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Other (please Specify):	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Non Woodland Habitat Types					
Blanket bog	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Fenland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland calcareous grassland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland dry acid grassland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland heath land	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland meadows	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Lowland raised bog	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			

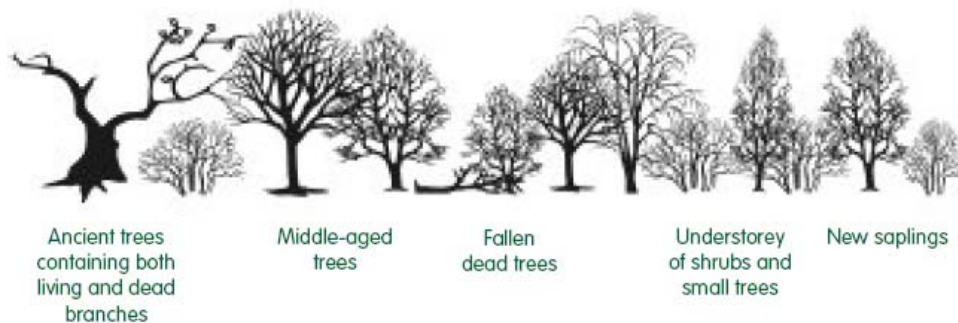
Rush pasture	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Reed bed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wood pasture	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Upland hay meadows	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Upland heath land	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Unimproved grassland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Peat lands	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>			
Wetland habitats	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Marginal habitats
Other (please Specify):	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			Semi-improved grassland

4.4 Structure

This section should provide a snapshot of the current structure of your woodland as a whole. A full inventory for your woodland(s) can be included in the separate Plan of Operations spreadsheet. Ensuring woodland has a varied structure in terms of age, species, origin and open space will provide a range of benefits for the biodiversity of the woodland and its resilience. The diagrams below show an example of both uneven and even aged woodland.

Woodland Type	Percentage of Mgt Plan Area	Age Structure	Notes (i.e. understory or natural regeneration present)
Native Broadleaves	70	Uneven Aged	Evidence of natural regeneration,
Non Native Broadleaves	30	Uneven Aged	Non-native species frequent.
Please Select....		Please Select...	
Please Select....		Please Select...	
Please Select....		Please Select...	
Please Select....		Please Select...	

Uneven-aged woodland – many wildlife habitats because of high diversity



Even-aged woodland – tidy but of low diversity



5. Woodland Protection





Woodlands in England face a range of threats; this section allows you to consider the potential threats that could be facing your woodland(s). Using the simple Risk Assessment process below woodland owners and managers can consider any potential threats to their woodland(s) and whether there is a need to take action to protect their woodlands.

5.1 Risk Matrix

The matrix below provides a system for scoring risk. The matrix also indicates the advised level of action to take to help manage the threat.

Impact	High	Plan for Action	Action	Action
	Medium	Monitor	Plan for Action	Action
	Low	Monitor	Monitor	Plan for Action
		Low	Medium	High
Likelihood of Presence				

5.2 [Plant Health](#)

Threat 	Ash Dieback (<i>Chalara fraxinea</i>)
(Other Please Specify)	
Likelihood of presence 	Low
Impact 	Low
Response (inc protection measures) 	Monitor. Follow FC guidance

Add Box

Threat	Oak Processionary Moth
(Other Please Specify)	
Likelihood of presence	Medium
Impact	High
Response (inc protection measures)	Survey and treat

Add Box

Threat	Horse Chestnut Leaf Miner
(Other Please Specify)	
Likelihood of presence	High
Impact	Medium
Response (inc protection measures)	Monitor.

Add Box

5.3 [Deer](#)

Likelihood of presence	Low
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Impact	Low
Response (inc protection measures)	Not required

5.4 [Grey Squirrels](#)

Likelihood of presence	High
Impact	Low
Response (inc protection measures)	Not required

5.5 Livestock and Other Mammals

Threat	Please Select...
(Other Please Specify)	No threats
Likelihood of presence	Please Select...
Impact	Please Select...
Response (inc protection measures)	

Add Box

5.6 Water & Soil

Threat	Please Select...
(Other Please Specify)	No threats
Likelihood of presence	Please Select...
Impact	Please Select...
Response (inc protection measures)	

Add Box

Add Box

5.7 Environmental

Threat	Invasive Species
(Other Please Specify)	
Likelihood of presence	High
Impact	High
Response (inc protection measures)	Improved woodland management and eradication program

Add Box

Threat	Please Select...
(Other Please Specify)	
Likelihood of presence	Please Select...
Impact	Please Select...
Response (inc protection measures)	

Add Box

5.8 Climate Change Resilience

Threat	Small Scale Woodland
(Other Please Specify)	
Likelihood of presence	High
Impact	Low
Response (inc protection measures)	Not required

Add Box

Add Box

6. Management Strategy

This section requires a statement of intent, setting out how you intend to achieve your management objectives and manage important features identified within the previous sections of the plan. A detailed work programme by sub-compartment can be added to the Plan of Operations.

Management Obj/Feature	Management Intention
Non native species, especially sycamore, himalayan balsam, Japanese knotweed. giant hogweed should be rare within the woodland	Remove non-natives through thinning and eradication
Improve woodland structure to increase natural regeneration and promote a diverse ground flora throughout the site	Thin woodland
Improve access to all parts of the site	Install footbridge and create new path in compartment 2a, strim paths regularly
Improve amenity value of the site	Install 2 benches with backrest in compartment 3d

Add Box

7. Stakeholder Engagement

There can be a requirement on both the FC and the owner to undertake consultation/engagement. Please refer to [Operations Note 35](#) for further information. Use this section to identify people or organisations with an interest in your woodland and also to record any engagement that you have undertaken, relative to activities identified within the plan.

Work Proposal	Individual/ Organisation	Date Contacted	Date feedback received	Response	Action
	Friends of River Crane Environment				
	Friends of Crane Park				
	London Wildlife Trust				
	Natural England				
	English Heritage				

Add Box

8. Monitoring

Indicators of progress/success should be defined for each management objective and then checked at regular intervals. Other management activities could also be considered within this monitoring section. The data collected will help to evaluate progress.

Management Objective/Activities	Indicator of Progress/Success	Method of Assessment	Frequency of Assessment	Responsibility	Assessment Results
Non native species,	Frequency of non-	Survey	5 yearly	Local Authority	

especially sycamore, himalayan balsam, Japanese knotweed. giant hogweed should be rare within the woodland	native species reduced to only 'occasional'				
Improve woodland structure to increase natural regeneration and promote a diverse ground flora throughout the site	3 age classes of tree present across the site	Survey	5 yearly	Local Authority	
Improve access to most of the site	Use of all paths through site increased	Parks satisfaction survey	2 yearly	Local Authority/FORCE	
Improve amenity value of the site	Increased use of site	Parks satisfaction survey	2 yearly	Local Authority/FORCE	

Add Box

FC Approval – FC Office Use Only

UKFS Management Plan Criteria	Approval Criteria	Yes	No	Notes
Forest management plans should state the objectives of management, and set out how the appropriate balance between economic, environmental and social objectives will be achieved.	Have objectives of management been stated? Consideration given to economic, environmental and social factors (Section 2.2)	<input type="checkbox"/>	<input type="checkbox"/>	
Forest management plans should address the forest context and the forest potential, and demonstrate how the relevant interests and issues have been considered and addressed.	Does the management strategy (section 6) take into account the forest context and any special features identified within the woodland survey (section 4)	<input type="checkbox"/>	<input type="checkbox"/>	
In designated areas, for example national parks, particular account should be taken of landscape and other sensitivities in the design of forests and forest infrastructure.	Have appropriate designations been identified (section 4.2) if so are these reflected through the work proposals in the management strategy (Section 6)	<input type="checkbox"/>	<input type="checkbox"/>	
At the time of felling and restocking, the design of existing forests should be re-assessed and any necessary changes made so that they meet UKFS Requirements.	Felling and restocking are consistent with UKFS forest design principles (Section 5 of the UKFS)	<input type="checkbox"/>	<input type="checkbox"/>	
Consultation on forest management plans and proposals should be carried out according to forestry authority procedures and, where required, the Environmental Impact Assessment Regulations.	Has consultation happened in line with current FC guidance and recorded as appropriate in section 7	<input type="checkbox"/>	<input type="checkbox"/>	
Forests should be designed to achieve a diverse structure of habitat, species and ages of trees, appropriate to the scale and context.	Do the felling and restocking proposals create or improve structural diversity (refer to the plan of operations)	<input type="checkbox"/>	<input type="checkbox"/>	
Forests characterised by a lack of diversity due to extensive areas of even-aged trees should be progressively restructured to achieve a range of age classes.	Do the felling and restocking proposals create or improve age class diversity (refer to the plan of operations)	<input type="checkbox"/>	<input type="checkbox"/>	
Management of the forest should conform to the plan, and the plan should be updated to ensure it is current and relevant.	Has a five year review period been stated below and achievements recorded in section 3	<input type="checkbox"/>	<input type="checkbox"/>	
New forests and woodlands should be located and designed to maintain or enhance the visual, cultural and ecological value and character of the landscape.	When new planting is being proposed under this plan is consistent with UKFS and FC guidance on woodland creation	<input type="checkbox"/>	<input type="checkbox"/>	
Approving Officer Name		Plan approved		<input type="checkbox"/>

Sub-Cpt Record						Work Programme								
Cpt	Sub Cpt	Area (Ha)		Species	Desig-nations	Activity	Years						Notes	
		Gross	Net				1	2	3	4	5	6 - 10		
1	a	0.90	0.75	JL/SS	PAWS									
2	a	1.15	1.00	OK/AH	TPO									
2	a	2.22	2.22	NOM/HAW/AH/HOL/elder/SY/blackthorn/YEW/HCH/AR	SINC	Thin woodland	x	x					x	Thin primarily through removal of sycamore. Retain all trees over 80 cm DBH or those with high roost potential for bats. See indicative map for zones to be thinned each year. To allow screening from adjacent properties retain a buffer zone of approximately 10m around the edge of the site where no thinning is carried out. See
2	a	2.22	2.22	NOM/HAW/AH/HOL/elder/SY/blackthorn/YEW/HCH/AR	SINC	Create footpath			x	x				Create 2m wide footpath - location shown on map
2	a	2.22	2.22	NOM/HAW/AH/HOL/elder/SY/blackthorn/YEW/HCH/AR	SINC	Install foot bridge				x				Location shown on map
2	a	2.22	2.22	NOM/HAW/AH/HOL/elder/SY/blackthorn/YEW/HCH/AR	SINC	Strim paths	x	x	x	x	x	x		Undertake 6 strims of each path per year April - September
3	a	2.89	2.89	FM/SY/HCH/HBM/HAW/AH/HOL/WPO/WCH/EEM/elder/PC	SINC	Thin woodland	x	x						Thin primarily through removal of sycamore and horse chestnut. See indicative map for zones to be thinned each year. Retain all trees over 80 cm DBH or those with high roost potential for bats. To allow screening from adjacent properties, retain a buffer zone of approximately 10m around the edge of the site where no thinning is
3	a	2.89	2.89	FM/SY/HCH/HBM/HAW/AH/HOL/WPO/WCH/EEM/elder/PC	SINC	Strim paths	x	x	x	x	x	x		Undertake 6 strims of each path per year April - September
3	d	6.06	6.06	FM/NOM/SY/HCH/AR/SBI/HBM/HAW/AH/HOL/WPO/WCH	SINC	Thin woodland			x	x				Thin primarily through removal of sycamore, Norway maple and horse chestnut. See indicative map for zones to be thinned each year. Retain all trees over 80 cm DBH or those with high roost potential for bats. To allow screening from adjacent properties, retain a buffer zone of approximately 10m around the edge of the site where no
3	d	6.06	6.06	FM/NOM/SY/HCH/AR/SBI/HBM/HAW/AH/HOL/WPO/WCH	SINC	Install 2 simple benches		x						Location shown on map
3	d	6.06	6.06	FM/NOM/SY/HCH/AR/SBI/HBM/HAW/AH/HOL/WPO/WCH	SINC	Strim paths	x	x	x	x	x	x		Undertake 6 strims of each path per year April - September
4	a	1.25	1.25	SY/AR/HAW/AH/CWL/elder/WCH/SCI/CAP/POK/HCH	SINC	Thin woodland							x	Thin primarily through removal of sycamore, Norway maple and ash. See indicative map for zones to be thinned each year. Retain all trees over 80 cm DBH or those with high roost potential for bats.
4	a	1.25	1.25	SY/AR/HAW/AH/CWL/elder/WCH/SCI/CAP/POK/HCH	SINC	Strim paths	x	x	x	x	x	x		Undertake 6 strims of each path per year April - September

Species code	Common name	Spp Group
AH	Ash	<i>BL</i>
AMA	Big leaf maple	<i>BL</i>
AR	Alder	<i>BL</i>
ASA	Silver maple	<i>BL</i>
ASP	Aspen	<i>BL</i>
BCH	Bird cherry	<i>BL</i>
BE	Beech	<i>BL</i>
BI	Birch (downy/silver)	<i>BL</i>
BOX	Box	<i>BL</i>
BPA	Paper-bark birch	<i>BL</i>
BPO	Black poplar	<i>BL</i>
CAP	Crab apple	<i>BL</i>
CAR	Common alder	<i>BL</i>
CLI	Common lime	<i>BL</i>
COV	Shagbark hickory	<i>BL</i>
CWL	Crack willow	<i>BL</i>
EEM	English elm	<i>BL</i>
EGU	Cider gum	<i>BL</i>
EM	Elm	<i>BL</i>
ENI	Shining gum	<i>BL</i>
FAM	White ash	<i>BL</i>
FAN	Narrow-leafed ash	<i>BL</i>
FM	Field maple	<i>BL</i>
FOR	Oriental beech	<i>BL</i>
FPE	Red ash	<i>BL</i>
GAR	Grey alder	<i>BL</i>

Species code	Common name	Spp Group
AUP	Austrian pine	<i>CON</i>
BIP	Bishop pine	<i>CON</i>
BMF	Bornmullers fir	<i>CON</i>
CAT	Atlas cedar	<i>CON</i>
CP	Corsican pine	<i>CON</i>
DF	Douglas fir	<i>CON</i>
EL	European larch	<i>CON</i>
ESF	European silver fir	<i>CON</i>
GF	Grand Fir	<i>CON</i>
GKF	Grecian fir	<i>CON</i>
HL	Hybrid larch	<i>CON</i>
JCR	Japanese cedar	<i>CON</i>
JL	Japanese larch	<i>CON</i>
LC	Lawsons cypress	<i>CON</i>
LCD	Cedar of Lebanon	<i>CON</i>
LEC	Leyland cypress	<i>CON</i>
LP	Lodgepole pine	<i>CON</i>
MAP	Maritime pine	<i>CON</i>
MC	Mixed conifers	<i>CON</i>
MCP	Macedonian pine	<i>CON</i>
MOP	Mountain pine	<i>CON</i>
NF	Noble fir	<i>CON</i>
NMF	Nordmann fir	<i>CON</i>
NS	Norway spruce	<i>CON</i>
OMS	Serbian spruce	<i>CON</i>
ORS	Oriental spruce	<i>CON</i>

GPO	Grey poplar	<i>BL</i>
GWL	Goat willow	<i>BL</i>
HAW	Hawthorn species	<i>BL</i>
HAZ	Hazel	<i>BL</i>
HBM	Hornbeam	<i>BL</i>
HCH	Horse chestnut	<i>BL</i>
HOL	Holly species	<i>BL</i>
IAR	Italian alder	<i>BL</i>
JNI	Black walnut	<i>BL</i>
JRE	Common walnut	<i>BL</i>
LI	Lime	<i>BL</i>
LLI	Large-leaved lime	<i>BL</i>
LPL	London plane	<i>BL</i>
MB	Mixed broadleaves	<i>BL</i>
NOM	Norway maple	<i>BL</i>
NPU	Lenga	<i>BL</i>
OK	Oak (robur/petraea)	<i>BL</i>
PBI	Downy birch	<i>BL</i>
PO	Hybrid poplar	<i>BL</i>
POK	Pedunculate/common oak	<i>BL</i>
PSP	Blackthorn	<i>BL</i>
QAL	White oak	<i>BL</i>
QCE	Turkey oak	<i>BL</i>
QFR	Hungarian oak	<i>BL</i>

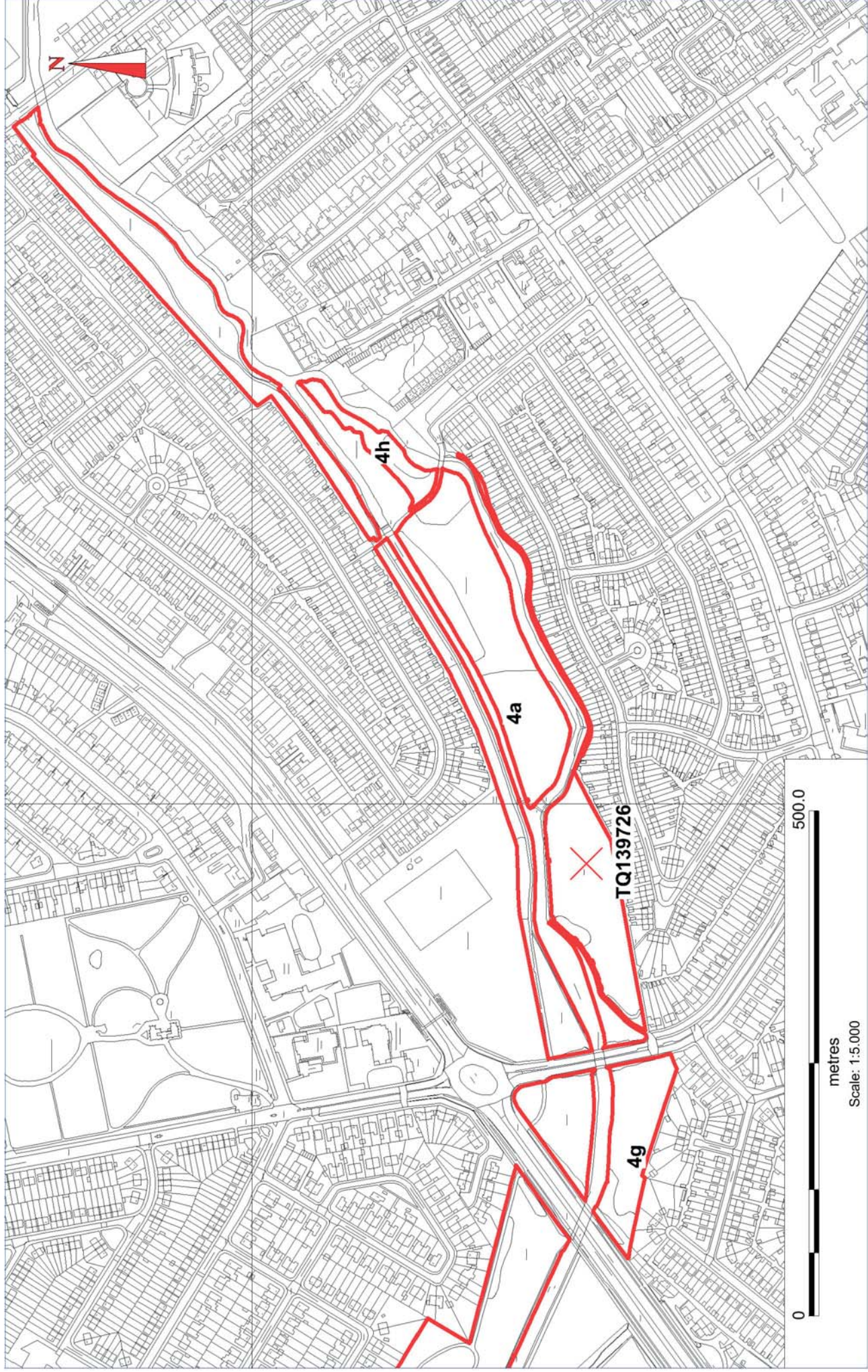
PAR	Armand's pine	<i>CON</i>
PAY	Mexican white pine	<i>CON</i>
PBR	Calabrian pine	<i>CON</i>
PDP	Ponderosa pine	<i>CON</i>
PEL	Slash pine	<i>CON</i>
PKO	Korean pine	<i>CON</i>
PMO	Western white pine	<i>CON</i>
PTA	Loblolly pine	<i>CON</i>
PWA	Bhutan pine	<i>CON</i>
PYU	Yunnan pine	<i>CON</i>
RAP	Monterey pine	<i>CON</i>
RC	Western red cedar	<i>CON</i>
RF	Red (pacific silver) fir	<i>CON</i>
RSQ	Coast redwood	<i>CON</i>
SP	Scots pine	<i>CON</i>
SS	Sitka spruce	<i>CON</i>
WEP	Weymouth pine	<i>CON</i>
WH	Western hemlock	<i>CON</i>
WSQ	Wellingtonia	<i>CON</i>
XC	other conifers	<i>CON</i>
XCD	other Cedar	<i>CON</i>
XF	other firs (Abies)	<i>CON</i>
XL	other larches	<i>CON</i>
XP	other pines	<i>CON</i>

QIL	Holm oak	<i>BL</i>
QPU	Downy oak	<i>BL</i>
QPY	Pyrenean oak	<i>BL</i>
RAN	Raoul/rauli	<i>BL</i>
RAR	Red alder	<i>BL</i>
ROK	Red oak	<i>BL</i>
RON	Roble	<i>BL</i>
ROW	Rowan	<i>BL</i>
SBI	Silver birch	<i>BL</i>
SC	Sweet chestnut	<i>BL</i>
SCI	Grey willow	<i>BL</i>
SEM	Smooth-leaved elm	<i>BL</i>
SLI	Small-leaved lime	<i>BL</i>
SOK	Sessile oak	<i>BL</i>
SY	Sycamore	<i>BL</i>
TUL	Tulip tree	<i>BL</i>
VAR	Green alder	<i>BL</i>
WCH	Wild cherry/gean	<i>BL</i>
WEM	Wych elm	<i>BL</i>
WHI	Whitebeam	<i>BL</i>
WPO	White poplar	<i>BL</i>
WST	Wild service tree	<i>BL</i>
WWL	White willow	<i>BL</i>
XB	other broadleaves	<i>BL</i>
XBI	other birches	<i>BL</i>
XCH	other cherry spp.	<i>BL</i>
XEU	other Eucalyptus	<i>BL</i>

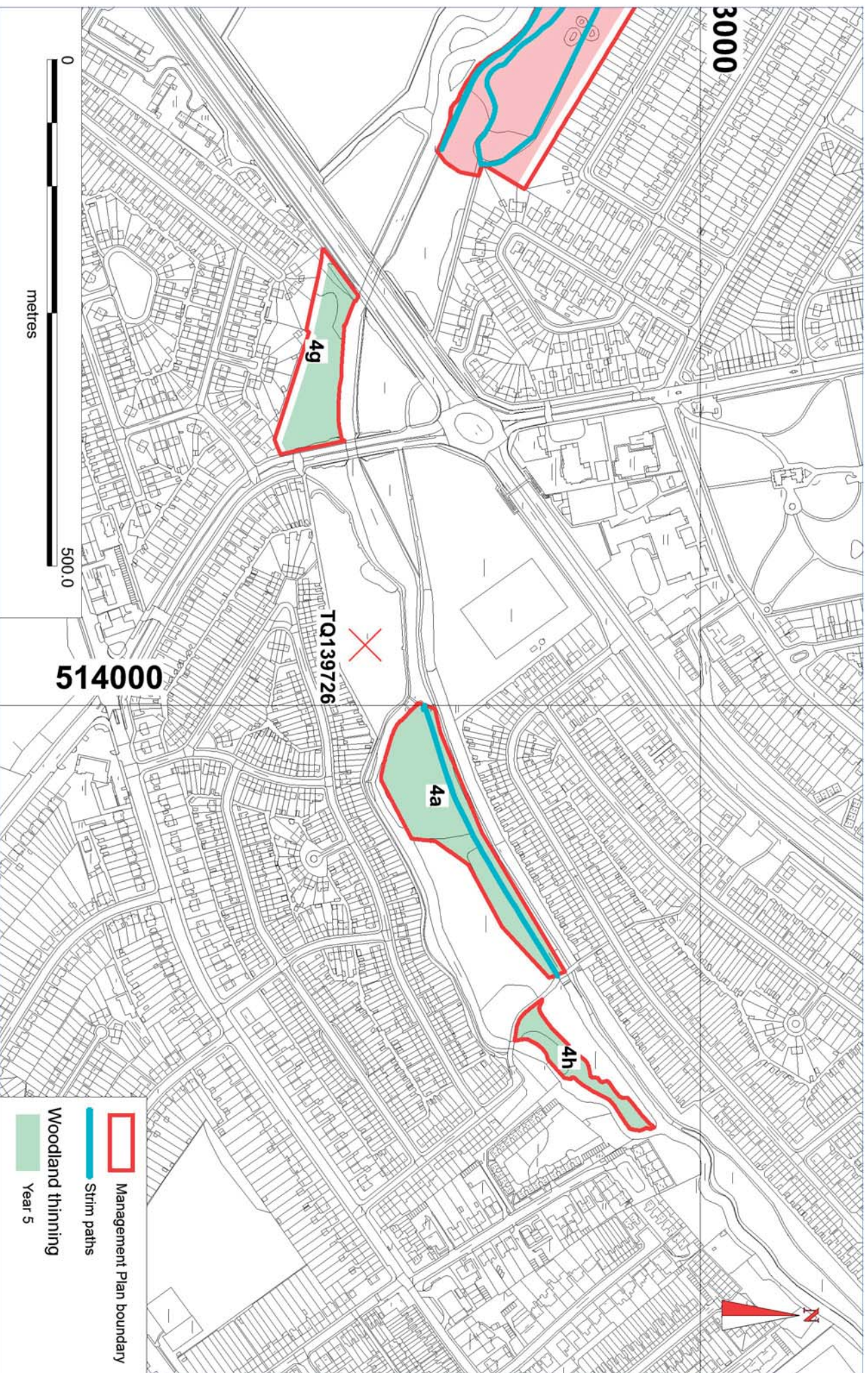
XS	other spruces	<i>CON</i>
YEW	Yew	<i>CON</i>
WRC	Western red cedar	<i>CON</i>

XNO	other Nothofagu s	<i>BL</i>
XOK	other oak spp.	<i>BL</i>
XPL	Plane spp.	<i>BL</i>
XPO	other poplar spp.	<i>BL</i>
XWA	other walnut	<i>BL</i>
XWL	other willows	<i>BL</i>

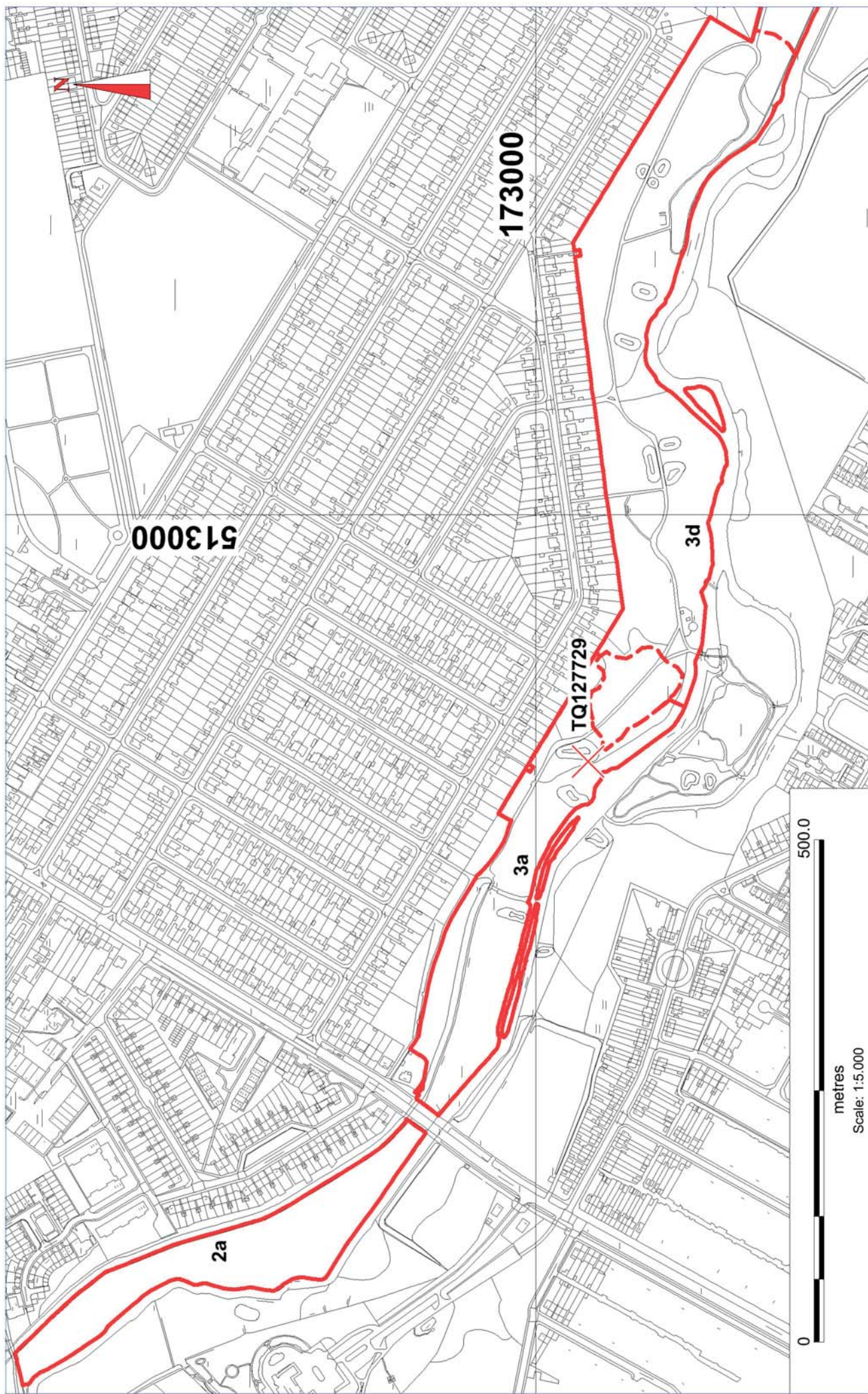
Crane Park East application map



Crane Park East indicative map



Crane Park West application map



Crane Park West indicative map

