

## Appendix 1

# Hampstead Heath Annual Work Plan January to December 2016

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# Introduction

The Annual Work Plan January-December 2016 includes conservation and arboricultural work and work related to the formal areas of Hampstead Heath. It outlines the management works that will take place over the coming 12 months. Like all working documents it must be recognised that weather, seasonal changes and other factors can have an impact on the programme and lead to unavoidable changes. Sunday working which causes noise will be avoided where possible, but may from time to time be necessary. For example, in wet summers it may be necessary to take advantage of dry weekends to cut grass.

## General maintenance

In addition to habitat management, this Plan also includes other works within the more formalised parts of the Heath. It has not been possible to include all the general maintenance and development tasks that take place, but elements of these can be summarised as:

- Amenity grassland areas are provided and maintained for recreation.
- Areas of formal gardens are maintained throughout the Heath, but principally at the Hill Garden, Golders Hill Park and formal recreational areas below Parliament Hill to Gospel Oak entrance and from Highgate Road to Nassington Road.
- Daily litter picking and Trilo collection from bins is carried out on a daily basis. Dedicated fishing tackle bins at each fishing pond are emptied separately by the Heath Rangers Team.
- Maintenance of sporting and recreational facilities for athletics, football, fishing, tennis and many more activities.
- Supervised swimming facilities at the Lido and at the three natural bathing ponds.
- Play facilities including maintenance of playgrounds, the Peggy Jay Centre and the Adventure Playground.
- Daily cleaning and inspection of public toilets.
- Liaison with the City's Sustainability Working Group to implement the City's sustainability policy wherever possible.
- Path maintenance Heath-wide as and when required: power harrow, add agreed aggregates and roll; and fill in potholes.
- Cleaning and maintenance of benches.
- Maintenance of fences.

# Conservation work

## Principles for ecological management

Much conservation work on the Heath aims to maintain the *status quo*. Without this work, valuable habitat would be lost from large areas of the Heath. Our current guiding ecological principles for the management of species and habitats are to follow the Hampstead Heath Management Plan and UK guidance or best practice, including:

- To maintain current grassland areas, particularly the scarcer patches of 'acid grassland' on the Heath's upper areas. This involves keeping back encroaching bramble but dealing sensitively with the margins of adjacent woodland and hedges, which can be particularly valuable ecologically. Such work will be completed from autumn to early spring, to avoid disturbing breeding birds, or from late autumn where there may be grass snakes present. Low bramble may be cut again outside this season.
- Where choices are possible, to aim for a mosaic of vegetation of different aspects and height. Such mosaics are essential for many invertebrates, amphibians and reptiles and this principle applies to both woodland and grassland habitats.
- To try to eradicate or prevent the spread of invasive species, e.g. Japanese knotweed and Himalayan balsam, which would be detrimental to the Heath's wildlife value if allowed to increase their populations. Native species can also be invasive, especially creeping thistle and common hogweed, and areas of these will also be controlled.
- The public enjoyment of nature in a safe environment is of paramount importance.

## New work for 2016

The bulk of the Conservation Annual Work Programme is a continuation of the existing programme of tasks to maintain the wild areas of the Heath. Several new items have been added for 2016, and these are shown in **bold** in the attached table. They include :

- There will be considerable input to the Ponds Project. The Conservation Team will undertake some of the landscape work, including planting shrubs, small trees and wild flower plugs, and construction of 15 log piles and one reptile and amphibian hibernaculum. Heath Hands volunteers will be involved in this work. Six oak saplings, taken from the Heath, will be planted along the lines of old hedgerows on Tumulus Field, and three on the edge of Ladies Pond Meadow not far from Stock Pond. The ecologists will check and sign off the natural landscaping such as laying wild flower turf and aquatic planting. Some of this work may be undertaken before the 2016 New Year.
- Garden plants will be replaced with wild flowers in the southern meadow in the Ladies Pond enclosure.

- The canopy of the path from the Lido towards the café has spread and is impeding access along the path, damaging vehicles. It will be laid and, near the path, coppiced, leaving a number of saplings to grow on. Due to needing to undertake the work urgently, it may have been undertaken before the date of the Consultative Committee meeting.
- The western end of Hedge 1 contains remnants of the original hedge at its centre, particularly many field maple trees and several old hazel stools. The latter are heavily shaded and are declining. Young cherry trees in front of them on the southern side of the hedge will be coppiced, bramble retained but topped, and the hazels will be laid to rejuvenate them.
- Young trees on the north edge of the woodland belt between the two small meadows on the Extension will be coppiced. This was once a hedge, but is now over ten metres wide, and trees continue to establish and grow on each side. This not only makes incursion into the grassland, but also reduces brambly edge habitat which is so vital for biodiversity. Coppicing young trees and shrubs will restore a better habitat linking the conservation grassland and the trees and reduce continued reduction of grassland.
- Other hedges to be managed are that along the horse ride immediately north of the Extension Bothy and the hedge along the eastern boundary of the Cricket Field at Parliament Hill.
- It is important to leave uncut refuges when mowing land grass. However, it is difficult to leave small refuges within larger areas being cut, as grass turning and lifting machinery has to be raised over the long uncut grass. To overcome this, it is intended to reduce the size of individual areas to be cut and rely on uncut areas round them for refuges.
- There is a large and spreading patch of Himalayan Bramble on Preacher's Hill alongside Willow Road which is arching into the road and impeding parking and access. It cannot be cut while cars are parked alongside it. Non-chemical control would require repeated cutting, probably over a couple of years, and a parking suspension would be required each time. A cut will be undertaken in autumn 2015, and it is proposed to herbicide the regrowth the following spring.
- Elsewhere over the past year excessive bramble incursion into grassland has been repeatedly cut to reduce it. This has been very successful and it is not proposed to make further substantial reductions, although recently cut areas will continue to be managed as needed until grassland is restored.
- Work on the Hampstead Fleet Stream detailed in the Compartment Management Work Plan is included in the annual work plan.
- A method of surveying hedgehogs has been trialled in Golders Hill Park. This will be extended using volunteers.
- A raft will be installed on Highgate no 1 pond to try and attract terns to nest.
- Re-landscaping of Swain's Lane and Millfield Lane toilets entrances

Any comments or queries should be made, in the first instance, to the Conservation Manager, 020 8347 0389.

## Notes on the tables

Numbers in the first column relate to approximate locations of proposed work as illustrated on the accompanying map. Relevant Natural Landscape Chapter policies from the Hampstead Heath Management Plan 2007-2017 are given in the second column, or where appropriate references to the Part I Plan itself. Areas of the Heath where the work is to be undertaken are listed in the third column.

### General items

Map ref.	Policy nos.	Location	Description of work
	50	Hedgerows Heath-wide	Remove non-native tree seedlings
	27	Hedgerows Heath-wide	Carry out any necessary management to promote trees which could grow into veterans.
	Access	Pavement edge general	Lift all trees & shrubs to 2m & cut back to pavement edge as necessary
	36, 46	All water areas	Manage routine incidents, & assist Wildlife Rescue experts in dealing with distressed water fowl. Assist Constabulary in preventing & investigating dog attacks.
	36, 37, 47	All or several ponds	Use a boat to check for and remove line & tackle & other debris during the fishing season.
	36	All or several ponds	Organise & oversee regular work parties of members of the Hampstead Heath Angling Society to conduct more thorough clean-ups of the ponds & other fishing-related conservation work.
	36	All or several ponds	Work with the Hampstead Heath Angling Society to ensure fishing regulations are understood & adhered to & assist Constabulary in checking permits & rod licenses
	36	All or several ponds	Try to improve marginal vegetation
	36	All or several ponds	Check & clean pond inlets & outlets
	Access, 36	All or several ponds	Monitor ponds for general problems and algae scums, and ensure warning notices are promptly put up & taken down
	36, 47	All or several ponds	Monitor water oxygen and phosphorus levels
	36, 50	All or several ponds	Alleviate problems such as duckweed blooms and oxygen crashes when required
	36	All or several ponds	Liaise with Hampstead Heath Angling Society
	Safety issue	Several ponds, including Highgate no 1, Hampstead no 1, Vale of Health, Viaduct	Carry out tree and scrub clearance required by Supervising Engineer to reduce flood risk
	50	Heath-wide	Control Himalayan balsam, Japanese knotweed, giant hogweed, California brome, sycamore and, where necessary, creeping thistle, bramble, ragwort and bracken
	29, 30	Hedges Heath-wide	Top selected hedges as required to maintain hedgerow character
	50	Selected locations Heath-wide	Control selected areas of creeping thistle by cutting it just before it flowers
	<b>50</b>	<b>Selected locations Heath-wide</b>	<b>Maintain extent of bramble at roughly current extent following reduction in 2014/5</b>

	47	Selected locations Heath-wide	Monitor selected features, including certain invasive species, extent of bramble, Small Tumulus Field grassland, Tormentil slopes, Sparrows site, experimental cutting area, amphibians and reptiles.
	3	Heath-wide	Planning, facilitating and overseeing the work of Heath Hands

## Vale of Health, East Heath, Preacher's Hill, Parliament Hill, Kenwood

1	H6	<u>Upper Vale of Health</u>	Cut bramble etc. round Pound to maintain views to it
1	1	<u>Upper Vale of Health</u>	Cut Cotoneaster opposite The Gables to maintain at about 1m70cm
1	4	<u>Upper Vale of Health</u>	Mow majority of fertile grassland (including along paths) annually in September, removing arisings
1	14, 15, 47	<u>Upper Vale of Health</u>	Maintain part of scraped area above acid grassland open as area for invertebrates, and plant gorse in remaining section. Maintain in future years.
1	4	<u>Upper Vale of Health</u>	Maintain uncut strip of grass by wood opposite The Gables by cutting once p.a. at the end of the season
1	13	<u>Upper Vale of Health</u>	Weed heather 2 to 3 times yearly as required and cut round existing patches to prevent encroachment
1	4	<u>Upper Vale of Health</u>	Maintain rough vegetation at top of slope near Whitestone Pond by cutting annually after cow parsley has flowered
1	50	<u>Upper Vale of Health</u>	Control Japanese knotweed
1	50	<u>Upper Vale of Health</u>	Cut areas of hogweed in rough grassland 2-3 times p.a. to prevent spreading
1	16	<u>Upper Vale of Health</u>	Ensure trees & shrubs in bramble areas do not become more numerous
1	46	<u>Upper Vale of Health</u>	Skirt bramble carefully by hand on Atypus slopes, & remove tree & shrub seedlings. Cut back overhanging branches if they have extended from previous year.
1	13	<u>Upper Vale of Health</u>	Coppice gorse on 12 year rotation, cutting 1/6th every even-numbered year. When zones are coppiced, remove trees and saplings but retain a few song-posts, e.g. hawthorn, elder. Cut bramble & remove.
1	50	<u>Upper Vale of Health</u>	Control invasive species, e.g. sycamore, southern woodland, adjoining Vale of Health Approach Road
1	Access, H6	<u>Upper Vale of Health</u>	Install memorial bench at viewpoint over Vale on access path onto the Heath from Whitestone Lane
1	Safety issue	Vale Approach Road	Maintain sightlines at junction of East Heath Road
1	7	Vale of Health N of Approach Road	Cut triangle of grassland above Approach Road
2	Safety	Vale of Health Valley	Flail toe of dam every other month as required by Dam Engineer
2	6	Vale of Health Valley	Keep central area open, but retaining elder bushes at south-west edge. Retain nettle/comfrey area on south-west side. Mow south-eastern side as required to control bramble with aim of recreating grassland.
3	50	Fleet Stream-Middle Bird Sanctuary	Remove and prevent regrowth of sycamores throughout to encourage ground flora.

3	43	<b>Fleet Stream-Middle Bird Sanctuary/Bird Bridge</b>	<b>Coppice or remove selected young trees from stream edge. Lift alders and cut back scrub and bramble from stream edge and royal fern. Place/maintain log weir in front of Bird Bridge</b>
4	50	Fleet Stream-Viaduct pond	Remove non-native <i>Aucuba japonica</i> from marsh edge and cut back fallen tree to the edge of the marsh.
4	43	<b>Fleet Stream-Upper Viaduct</b>	<b>Re-coppice trees and cut back bramble from stream edge and wider 4m area. Place new log weir and remove vegetation from upper pool if occupying more than 50% of pool. Remove selected willows from marsh area adjacent to the pond and coppice remainder.</b>
4	50	Fleet Stream-Viaduct pond area	Remove <i>Hedera colchica</i> from ground where possible. Cut ivy towards base where growing into tree canopies.
4	43	<b>Fleet Stream Lime avenue culvert</b>	<b>Maintain open culvert/pipe under Lime Avenue through removal of accumulated sediment. Assess in 2016.</b>
4	1	Viaduct Pond	On south-west side of Viaduct pond, cut back hedge below bench to create view of pond. Clear any tree seedlings and scrub in grassland near hedge but leave band of shrubs at south-west corner.
4	39	Viaduct Pond	Coppice alders along western bank every three years
4	16, 50	Viaduct Pond	Remove or coppice young sycamores in enclosures to west of pond
4	39, 50	Viaduct Pond	Remove sycamore and false acacia and recoppice tree regrowth between Bird Bridge and the Viaduct to maintain open area.
4	39	Viaduct Pond	Coppice willow and silver birch and raise alder crowns along east bank, especially where impeding growth of emergent vegetation
4	50	Viaduct Pond	Control Japanese knotweed in enclosed area.
4	50	Viaduct Pond	Pull Himalayan balsam from marsh area
4	13	Viaduct Pond	Remove bramble and saplings from gorse area east of Viaduct. Coppice any degrading gorse, and consider planting more
4	13	Viaduct Pond	Weed planted heather on exposed east bank
4	1	<b>Viaduct Pond</b>	<b>Create natural Kingfisher/invertebrate bank along sandy bank to south of bridge. Dig vertical bank and revet where necessary for stability</b>
4	43	<b>Viaduct Pond</b>	<b>Create 2 log and brash piles. Exact location to be decided.</b>
5	4	Springett's Wood	Mow grass/scrub 2-3 times avoiding bluebell leaves.
5	Access	Springett's Wood	Clear & mow paths
5	Access	Springett's Wood	Clean & oil bench
5	16	Springett's Wood	Keep bramble in damp area near pond in check by cutting back, & remove sapling & seedling trees & shrubs & scrub; create scrape
5	50	Springett's Wood	Remove & dispose of <i>Crassula helmsii</i> if present in pond
5	36	Springett's Wood	Maintain pond; reduce marginal vegetation by end of path to allow view of pond.
5	16	Springett's Wood	Check tree guards & tree ties, & clear scrub around young trees
5	29, 50	Top side of Old Hockey Field	Cut brambles round and beside bench to Chris Dryhurst.
6	50	Old Hockey Field wild flower area	Pull thistles before cutting
6	7	Old Hockey Field wild flower area	Cut wildflower area
6	Access	The Elms/Radio Mast	Cut back bramble/scrub encroaching on access road
7	19	Vale of Health Pond	Restore glade near pond inlets and possibly install small informal footbridge
7	50	Vale of Health Pond	Trim back bramble near bench above fishing pegs

7	50	Vale of Health Pond	Coppice saplings and lift trees competing with gorse on the south bank. Remove sycamore saplings from pond edge to south. Remove <i>Robinia</i> suckers growing along east bank.
7	22	<b>Vale of Health Pond</b>	<b>Create log and brash pile. Exact location to be decided</b>
7	16	Woodland south of Vale of Health Approach Road	Remove ivy from 20% of trees each year
8	13, 14	<u>Tormentil Slopes</u>	Cut bramble patch and rosebay willowherb repeatedly
8	13, 14	<u>Tormentil Slopes</u>	Cut areas of coarse grass repeatedly
8	14	<u>Tormentil Slopes</u>	Keep bramble in check
9	16, 19, 20	Path between Viaduct Pond and Vale toilets	Open up and improve habitat by coppicing both sides, leaving major trees except removing one <i>Robinia</i> . Remove one more <i>Robinia</i> annually but retain the best specimens
9	4	'Secret glade' W of path between Viaduct pond & Hollow Beech	Continue reducing bramble & rosebay willowherb.
10	Access, 7	<u>Pryor's Field</u>	Mow fertile grassland in southern part of field
10	46	<u>Pryor's Field</u>	Check area where common spotted orchid grows to ensure it is not being outcompeted; manage appropriately if so.
10	50	<u>Pryor's Field</u>	Clear sycamore saplings and laurel from woodland strip along north edge
10	50	<u>Pryor's Field</u>	Pull any Himalayan balsam in damp patch. Pull Himalayan balsam in central bramble patch only if whitethroat not breeding.
10	Access	<u>Pryor's Field</u>	Make sure main paths are clear of bramble and in good order, and ditch line running along the south of the field has been regularly cleared of leaf litter and debris.
10	20	<u>Pryor's Field</u>	Cut 1/3rd of the scalloped eastern edge of Pryor's Field between the path and shrubs (excluding the area dominated by blackthorn) on a rotational basis
10	13	<u>Pryor's Field</u>	Remove seedling/sapling trees in grassland and gorse along northern edge, and maintain gorse by clearing bramble. Replenish gorse as necessary.
10	6	<u>Pryor's Field</u>	Reduce the extent of bramble in south-west of Field, near car park, cutting by hand as ant hills are present.
10	50	<u>Pryor's Field</u>	Remove sycamore saplings from large willow area on the southern edge near the fairground site
10	50	<u>Pryor's Field</u>	Remove sapling Tree of Heaven near Catalpa tree
10	50	<u>Pryor's Field</u>	Cut or remove any purple Michaelmas daisy or white Michaelmas daisy not growing in main patches
10	50	<u>Pryor's Field</u>	Cut areas dominated by hogweed or remove flowers before seeding and take off site in all areas except that specified on map in management plan
10	50	<u>Pryor's Field</u>	Cut round Michaelmas daisy and bramble patches to retain current extent
10	6, 50	<u>Pryor's Field</u>	Control bramble and thistle as specified in management plan
10	6	East Heath Road	Control spread of bramble, trees etc. onto road and grassland
10	6	East Heath Road	Regularly prune willows to maintain form and maintain safe driver visibility at car park entrance
11	6	Willow Road	Keep bramble back to current frontier, with elm suckers removed
11	29, 30	Preacher's Hill	Lay and extend short hedge on boundary of Children's Playground
11	29, 30	Preacher's Hill	Lay hedge between Children's Playground and Downshire Hill and Willow Road
11	50	Preacher's Hill	Cut area of California brome repeatedly to stop it flowering, leaving patch of Russian comfrey



11	6	Preacher's Hill	Cut rough grassland & incipient scrub alongside Christchurch Road monthly, May-September
11	6	Preacher's Hill	Cut cow parsley/ rough grassland and incipient scrub alongside Willow Road in June/ early July (after cow parsley has flowered)
11	1, 46	Preacher's Hill	Remove dead trunk in SE corner, coppice elm regrowth, plant black poplar
11	16, 50	Preacher's Hill	Remove sycamores & sapling ashes to benefit plane and oak, clump near East Heath Road
11	1	Preacher's Hill	Cut back small area of holly to improve view
11	1	Preacher's Hill	Plant suitable trees, e.g. crab apple, alongside Christchurch Road
11	16	Preacher's Hill	Reduce ivy on woodland trees
11	50	Preacher's Hill	Herbicide invasive bramble on edge of Willow Road near junction with Christchurch Hill, which is causing a nuisance with car parking
12	1	Lime Avenue	Cut back epicormic growth at base of limes along avenue length
13	43	<b>Catchpit</b>	<b>Create 4 log and brash piles. Exact location to be determined.</b>
13	43	<b>Mixed Pond</b>	<b>Create 2 log and brash piles. Exact location to be decided. Check on fungi location.</b>
14	6	Mixed Pond meadow	Cut grassland regularly, to keep back bramble encroachment
14	H6	Mixed Pond meadow	Prune oaks to retain view of Christchurch steeple
15	9	Tumulus Field Pond	Remove all <i>Elodea</i> , and reduce other marginal vegetation to maintain area of open water
16	32	<b>Tumulus Field</b>	<b>Plant 6 oak saplings along the lines of former hedge lines</b>
17	25	Small Tumulus Field	Prepare a compartment management work plan
17	50, Access	Small Tumulus Field	Cut central triangle, where ragwort has become dominant
17	4, 16	Small Tumulus Field	Cut top half of rough area in upper, south, corner of field
18	29, 30	<b><u>Hedge 2, western end</u></b>	<b>Coppice several young cherry trees and scrub on south side, leaving bramble, and lay hazel stools in centre which originate from original hedge</b>
19	16	<u>Copse above Parliament Hill café</u>	Coppice 5-10m width hawthorn & ash saplings on south side of path to create denser habitat and open up path
20	4, 6, 7	Sparrows site	Undertake wholesale pulling of thistle at the end of July, then cut shortly afterwards
20	9	Sparrows Site	Soften shape of meadow, making outline more sinuous by sowing further adjacent small areas
21	30	<b>Hedge from Lido northwards</b>	<b>Coppice western edge, lay/coppice remainder, to reduce obstruction of path, leaving plenty of stock to grow into standards, especially by school</b>
22	6	Parliament Hill, near Dump	Mow close to fallen tree to prevent brambles growing up
23	16	Parliament Hill shrub islands	Lay second-to bottom shrub island on western path and cut back sloe encroaching into grassland by 2m.
24	50	Nassington Road Entrance	Control patch of Japanese knotweed north of entrance
25	30	<b>Hedge along eastern boundary of Cricket Field, Parliament Hill</b>	<b>This newly-established hedge will soon get leggy and should be layed to create a good long-term structure.</b>
26	E1	Heath Life Education Centre	Manage wildlife garden and its hedge for ecology & education.
27	E1	Secret Garden	Manage for ecology and education

27	9	Grassland west of Secret Garden entrance/Duke's Field	Re-sow a strip of cornflower annuals along edge away from path.
28	Access	Highgate no 1 and Men's ponds	Maintain windows onto ponds at trig points
28	H6, 1, 39	<u>Highgate no 1 pond</u>	Maintain 2 open viewing windows and prevent shading of marginals by coppicing willows on 3 year rotation. Windows should be re-coppiced if required to maintain view. <b>High priority</b>
28	1	<b><u>Highgate no 1 pond</u></b>	<b>Install a raft for nesting terns</b>
28	43	<b><u>Highgate no.1</u></b>	<b>Create 2 log and brush piles. Exact location to be determined.</b>
28	40	Boating pond	Repair and maintain fence surrounding reedbeds
28	42, 45	Boating pond	Maintain floating reedbeds/islands and aerators
29	7	<u>South Meadow</u>	Mow all grassy glades except large areas north of stream to allow access & maintain grassland. Retain strip of long grass round edges.
29	7	<u>South Meadow</u>	North of stream, cut 1/3 grassland (see management plan), leaving refuges
29	50	<u>South Meadow</u>	Remove oak seedlings from grassland
29	50	<u>South Meadow</u>	Pull or cut small balsam in Kenwood SSSI strip before it flowers
29	50	<u>South Meadow</u>	Remove laurel & sycamore saplings & seedlings
29	Access	<u>South Meadow</u>	Strim bramble from paths if required to maintain access
29	Access	<u>South Meadow</u>	Maintain area in front of Chubb shelter
29	16, 26	<u>South Meadow</u>	Winch out back holly in woodland selectively to improve visibility in woodland & reduce canopy competition where holly is tall.
29	19	<u>South Meadow</u>	Review need for further thinning & glade creation
29	6, 19	<u>South Meadow</u>	Remove encroaching willow saplings north-west of Herman Barr bench in northern grassland, and coppice nearby willow tree (adjacent to area previously cut) to restore grassland
29	Access	Chubb shelter	Clear any scrub obscuring shelter as necessary
30	1	Saxon ditch near Hampstead Gate	Remove brambles and brushwood; maintain dead hedges aimed at reducing footfall on this historic feature
31	47	Stream culvert crossing by bird feeders	Cut round where cuckoo flower grows
32	19	<u>Orchard</u>	Continue to coppice area of hazel/ash on a 7 year rotation. Plant additional hazel to fill gaps. Section 5 2016
32	Access	<u>Orchard</u>	Cut hedges, cut back nettles and other vegetation from path.
32	16	<u>Orchard</u>	Clear around recently planted hazels
32	16	<u>Orchard</u>	Remove one large sycamore
32	16	<u>Orchard</u>	Raise crowns of selected beeches where shading coppice areas
32	16	<u>Orchard</u>	Plant 2-4 pear and 2-4 apple trees into open sections. Section 5 2015 London and Middlesex varieties
33	47, 50	Cohen's Field ponds	Monitor for invasive species and remove as necessary
33	46, 50, visual access	Cohen's Field ponds	Stop shrubs & climbers growing higher than fence
33	36	Cohen's Field ponds	Autumn or late winter cut to pond edges to maintain a grassy fringe.
34	H6	Upper (western) Cohen's Field	Plant black poplars along eastern boundary of field where screening of Athlone House is required and on edge of Model Farm Compartment Top Meadow
34	Access	Upper (western) Cohen's Field	Maintain ditch to upper new pond to retain nearby crossing point
34	6	Upper (western) Cohen's Field	Continue to control expanding patch blackthorn, centre of Field towards northern edge

34	50	Upper (western) Cohen's Field	Control Japanese knotweed re-growth above Goodison fountain hedge line
35	6	Lower (east) Cohen's Field	Grub out sapling trees from western fringe, transplant larger recently planted saplings.
36	46, 50	<u>Model Farm Compartment: farm section</u>	Eradicate knotweed and balsam. Also cut back fringe vegetation and saplings to maintain some open ground.
36	7,46	<u>Model Farm Compartment: farm section</u>	Yearly cut to 50% of area.
36	History	<u>Model Farm Compartment: farm section</u>	Remove vegetation growing on walls
36	7, 46	<u>Model Farm compartment: top meadow</u>	Continue to manage as open grassland by cutting late.
36	4, 6, 46	<u>Model Farm compartment: top meadow</u>	July cut to perimeter of meadow and to selected coarse areas of grass/scrub to reduce vigour. Care should be taken of grass snakes.
36	7, 46	<u>Model Farm Compartment: Middle section</u>	Maintain as rough meadow through autumn cut
36	20	<u>Model Farm compartment- top meadow</u>	Coppice sapling + scrub thicket along northern boundary of top meadow to prevent it from developing into woodland.
36	4, 46	<u>Model Farm compartment: farm section</u>	Assess safety of 2 sycamores in north-west of farm area
37	7	Pipeline Triangle	Early summer cut to Triangle to reduce coarse grass vigour & encourage later-flowering knapweed & bedstraw
38	1 & others	Athlone House Gardens	Management according to detailed management plan
39	19	Cohen's Wood	Thin oaks selectively and use timber for projects around the Heath
39	36	Stream line from Cohen's Wood to Ladies pond	Re-coppice streamline area. Maintain dams & aquatic vegetation to improve water quality along catchments. Further clearance & dam creation may be necessary.
40	1, 36 & others	Ecofield	On-going maintenance including planting, pruning, weeding & mowing
40	29	Ecofield	Cut Leylandii hedge
40	1	Ecofield	Develop management plan for area
40	9	Ecofield	Develop wildflower area
41	47, 50	Ladies Pond meadow	Monitor and possibly remove thistle & ragwort round damp area
41	29	<b>Ladies Pond Meadow</b>	<b>Plant 3 oak saplings on eastern boundary, northern section</b>
41	29	<b>Ladies Pond Meadow</b>	<b>Thin oak trees, removing poorer specimens, from adjacent to Ladies Pond, southern section, to provide more light to pond and promote better specimens.</b>
41	4	Ladies Pond Meadow	Reduce erosion caused by paths by cutting alternative desire lines adjacent to existing path in summer
42	47	Stock Pond meadow	Cut patches of invading rush in cold weather to reduce vigour, leaving main patch beside path
42	6	Stock Pond meadow	Remove saplings growing near rushes and oval sedge
43	50	<b>Ladies Pond</b>	<b>Remove non-native planting in meadow and replace with wild flowers</b>
43	Access	<b>Ladies Pond</b>	<b>Plant yew and holly inside fence to screen pond from view from Ladies Pond Meadow</b>

43	1	Ladies Pond enclosure	Carry out wildflower meadow improvements, cyclical coppicing and pollarding
43	Access, 39	Ladies pond enclosure	NW edge of pond: remove woody debris from water & coppice 15m section of bankside to encourage emergent vegetation & reduce debris encroachment into the swimming area
43	6	Ladies pond enclosure	Cut northern wet meadow area to prevent scrub encroachment.
45	36	Stock Pond	Continue to selectively thin & lift bankside trees to increase light levels & reduce leaf litter: remove dead elms
45	46	Stock Pond	Clear round wild service tree saplings
45	36, 39, 50	Stock Pond	<i>Re-open canopy above northern marsh area. Remove seedling alders and dogwood</i>
45	36	Stock Pond	Cut back scrub encroaching onto northern marsh area. Cut back to dead hedge.
<b>45</b>	<b>43</b>	<b>Stock Pond</b>	<b>Create 2 log and brash piles. Exact location to be decided</b>
46	50	<u>Bird Sanctuary</u>	Control Himalayan balsam & giant hogweed
46	47	<u>Bird Sanctuary</u>	Weekly clean & fill bird feeder
46	Access	<u>Bird Sanctuary</u>	Trim small hedge in front of bird feeder to maintain visibility
46	39	<u>Bird Sanctuary</u>	Coppice 10% of willows & alder along eastern edge.
46	39	<u>Bird Sanctuary</u>	Regular coppice or removal of recent regrowth from large birch tree southwards on one-year rotation, to provide more light to water
46	36	<u>Bird Sanctuary</u>	Continue to expand wet meadow E of pond through selective coppicing of trees and scrub encroachment
46	H6	<u>Bird Sanctuary</u>	Coppice alder & dogwood S end of pond to maintain a minimum of 2 view points
46	19	<u>Bird Sanctuary</u>	Coppice hazel area E of pond on 7 year rotation. Remove competing elm scrub.
46	36	<u>Bird Sanctuary</u>	Create large pool/channel N side of pond to increase wetness & habitat for reedbed
46	39	<u>Bird Sanctuary</u>	Remove selected trees and shrubs near reedbed
46	36	<u>Bird Sanctuary</u>	Reedbed cutting section 1
46	36	<u>Bird Sanctuary</u>	Reedbed cutting section 4
46	36	<u>Bird Sanctuary</u>	Western wet meadow. Late cut to area to maintain as wet meadow and prevent encroachment onto reedbed. Leave small refuges.
46	36	<u>Bird Sanctuary</u>	Western wet meadow. Re-coppice willows every 2 years to maintain low growth
46	36	<u>Bird Sanctuary</u>	Dig more pools in western wet meadow to prevent drying out
46	36	<u>Bird Sanctuary</u>	Continue to increase reedbed through selective felling of birch & willow along NW edge of pond
46	6	<u>Bird Sanctuary</u>	Cut eastern dry area to prevent scrub encroachment.
46	36	<u>Bird Sanctuary</u>	Cut eastern wet meadow late winter
46	6	<u>Bird Sanctuary</u>	Cut north western rough meadow to prevent succession. Keep some rosebay willowherb and maintain a bramble fringe. Autumn cut followed by late spring and mid summer cut.
46	6	<u>Bird Sanctuary</u>	Cut rough meadow to the north of the reedbed late winter/early spring.
46	6	<u>Bird Sanctuary</u>	Late cut and early summer cut to grass area surrounding bird feeders to maintain as grassland
46	H6	<u>Bird Sanctuary</u>	Consider opening up viewing window again from corner nearest Millfield toilets
46	Access	<u>Bird Sanctuary</u>	Open up 1-2 new sightlines from western section towards reeds.
46	1	<u>Bird Sanctuary</u>	Prepare a management work plan
<b>46</b>	<b>43</b>	<b>Bird Sanctuary</b>	<b>Create 2 log and brash piles. Exact location to be decided</b>
<b>46</b>	<b>43</b>	<b>Bird Sanctuary</b>	<b>Create amphibian and reptile hibernaculum. Exact location to be decided.</b>
47	50	Southern slopes of Parliament Hill	Continue experimental regime of cutting selected areas of thistle monthly in season

## Heath Extension

48	Access	Heath Extension, path edges	Rough cut throughout growing season
48	20	Heath Extension meadows	Development of scalloped edges between mown and long grass
50	4, 34	<b>Near centre of north wall, Extension</b>	<b>Remove cherry suckers</b>
51	4,34	<b>North end of boundary between rugby and former rugby fields, Extension</b>	<b>Thin/coppice alder and hazel</b>
52	29, 30	<b>Hedge north of toilets, Extension</b>	<b>Top eastern section</b>
53	29, 30	<b>Hedge north of bothy, Extension</b>	<b>Lay or top</b>
54	29, 30	<b>Hedge east of cricket field, Extension</b>	<b>Coppice sloe and lay shrubs, northern end, west side</b>
55	4, 33	<b>Tree belt between two small meadows, Extension</b>	<b>Coppice young trees along northern edge to improve habitat &amp; curtail further expansion into meadow</b>
56	47	<b>Extension, north-west corner of junior cricket field</b>	<b>Monitor ant populations</b>
56	6	Extension, north-west corner of junior cricket field	Hand grub tree seedlings and saplings in uncut area & allow habitat to improve for meadow ants. Cut around hills
56	6	Extension, north-west corner of junior cricket field	Cut thistle areas thistles to east and west in July to stop spread into area of ant hills
57	6, 7	Ikin's Corner meadow	Clear scrub and bramble to conserve broad-leaved helleborine, then maintain.
57	6, 8	Ikin's Corner meadow	Cut grassland every 2 years
58	7	New hockey pitch	Top 50% thistle along hedgerow on west of grassland
58	7	New hockey pitch	Maintain scalloped edge to bramble & close-mown grass
59	7	Meadow west of children's play area	Top 80% thistle along east hedge
60	6	Meadow Lower & Upper Wield Field (formerly Meadow 308)	Reduce peripheral bramble. Target encroachment along north edge & remove seedling tree encroachment into meadow.
60	Access	Meadow Lower & Upper Wield Field (formerly Meadow 308)	Maintain horse ride and reinstate signposting
62	50	Meadow at North Point (far NE corner of Extension)	Hand pull or cut 80% thistle
62	7	Meadow at North Point (far NE corner of Extension)	Late annual cut leaving refuges

62	20	Meadow at North Point (far NE corner of Extension)	Develop scalloped edge between mown & uncut grass
62	7, 47	Meadow at North Point (far NE corner of Extension)	Cut & monitor three trial grassland management strips, cutting e.g. April/May; July; July then late
62	29	Meadow at North Point (far NE corner of Extension)	Cut hawthorn hedge
62	1	Short hedge west of ponds	Try to layer old crab apple tree
63	4	Eastern edge of Extension	Maintain cut grass strip at base of privet hedges at rear of private gardens
63	20	Hedge between cricket & football pitches	Retain 4m bramble/grassland fringe to hedge, leaving some wide sections clear to give occasional access to stream
64	6	Grassland in NE corner of football pitch field	Grub sapling trees from grass area in upper corner near hedgerow
67	46	Cricket field	Maintain native black poplar saplings at lower north corner of field
68	H6	Near damp patch	Maintain viewing windows on both sides to give more view of stream
69	16, 18	Old wood banks to east of Extension ponds	Remove holly if supressing hazel stools along wood bank edge.
70	4, 7	<u>Extension Ponds</u>	Maintain damp meadow by autumn/winter cut & clear from W edge of ponds 2-7. See management plan for location.
70	19	<u>Extension ponds</u>	Remove selected hollies from corners of Ponds 1, 2 and 3.
70	H6	<u>Extension Ponds</u>	Prune recently layed hedge along No.2 pond. Re-lay 2022.
70	19	<u>Extension Ponds</u>	Remove one willow tree and lift another, Pond 1, to increase light levels
70	6, 16	<u>Extension Ponds</u>	Cut/coppice scrub & grub bramble for N, S & E edges of ponds 5&6 to maintain low scrub & wildflower area & prevent encroachment into pond. See management plan for location
70	16	<u>Extension Ponds</u>	Selectively coppice shrub islands/groups on 10 yr. cycle to maintain thick vegetation. Coppice 1 island/yr. See management plan for location.
70	29, 30	<u>Extension Ponds</u>	Lay or thicken short hedge section running from pond 1 east towards Wildwood road.
70	36	<u>Extension Ponds</u>	Maintain open water by removing 50%-75% emergent vegetation from ponds 2-6 approx. every 10 years. Spread arisings along ground to west of ponds 4-6. Maintain minimum 50% open water. Pond 3 2013, pond 4 2015, Pond 6 2018, ponds 2 & 5 2020.
70	50	<u>Extension Ponds</u>	Remove New Zealand Pigmyweed, <i>Crassula helmsii</i> , from pond 2+5 and any other ponds where it is present.
70	47	<u>Extension Ponds</u>	Monitor dragonflies
70	41	<u>Extension Ponds</u>	Remove silt from ponds 1 & 7 by dredging sediment. Engineers department
70	Access	<u>Extension Ponds</u>	Maintain views to ponds in small sections of east and west sides through summer coppicing of vegetation.
70	46	Path edge near to Extension No.1 pond	Ensure marsh woundwort population west of Pond 1 is conserved. Coppice willow shading plants and move short section of narrow path to west by cutting through nettle patch.
71	29, 30	<b><u>Extension, near north-east corner</u></b>	<b>Lay west half of hedge and gap up</b>

72	30	<u>Extension, hedge on east side of horse ride at latitude of Children's Playground</u>	Lay hedge
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## West Heath

73	2, 7	Flagstaff	Regular cut, but with midsummer window to allow flowering of wildflowers
73	H6	Flagstaff	Maintain view from benches towards Harrow
73	13, 14	<u>Flagstaff gorse patch</u>	Coppice a section of gorse on 12 year rotation and remove seedlings sycamore, oak and birch in compartment. Section 3 in 2015. Section 4 in 2016. This section will require clearing and planting initially. Follow-up bramble removal in spring/summer if needed
73	14	<u>Flagstaff gorse patch</u>	<b>Gorse expansion in section 4. Remove tree and scrub cover from area. Grub out any bramble. Rake and remove as much top soil as possible. Plant up with potted gorse.</b>
73	13, 14	<u>Flagstaff gorse patch</u>	Plant any open areas with gorse
73	13, 14	<u>Flagstaff gorse patch</u>	Follow up management of recently coppiced/expanded area of gorse. Revisit section to remove any returning scrub or bramble growth. Replant any failed gorse. Section 3 in 2016
74	13	Heath lands, next to Jack Straws car park	Late annual cut, leaving refuges
75	7, 9	Meadow below Pergola	Re-sow wildflower meadow
75	13, 14	<u>Heather stand on slope by Hill garden middle gate (old section of Pergola)</u>	Weed existing heather. Increase area of heather/acid grassland by cutting back scrub and bramble from the fringes particularly the lower slopes.
75	14	<u>Heather stand on slope by Hill garden middle gate (old section of Pergola)</u>	High cut to lower heather section to maintain as low heath and prevent scrub encroachment
75	13, 50	Heather stand on slope by Hill garden middle gate (old section of Pergola)	Control bracken
77	46, 50	Area opposite Hill Garden main gate, adjacent to North End Way	Remove bramble & bracken encroaching on lily-of-the-valley & grassland
77	13	<u>Inverforth Close/Hill Garden heather site</u>	Weed and maintain heather
77	14	<u>Inverforth Close/Hill Garden heather site</u>	Increase area of heathland/acid grassland through selective tree and scrub removal from eastern edge
77	14, 15	<u>Inverforth Close/Hill Garden heather site</u>	Cut perimeter of area 2-3 times to prevent bramble and scrub encroachment.
78	13	Drying Ground	Coppice or lift gorse growing over heather surrounding gorse patch. Weed & maintain heather on slopes
78	15	Drying Ground	Maintain open aspect under pines by bramble & scrub removal

78	14	<u>Drying Ground</u>	Continue to Increase area of Heathland/acid grassland through selective tree and scrub removal southern slopes towards hollow. Rake or scrape off heavy areas of leaf mulch.
78	6, 14, 15	<u>Drying Ground</u>	Cut open area down to hollow to prevent scrub regrowth and establish grassland
79	7	Grass Square opposite Bull & Bush public house	Late cut to grass, removing cuttings. Cut away from road edge.
79	50	Grass Square opposite Bull & Bush public house	Control knotweed
80	29	Cuttings Path	Maintain hedge and prevent encroachment
80	7	Cuttings Path	Maintain grass bank with late annual cut
80	16, 19	Cuttings Path	Maintain sightlines and open aspect along length of path

81	50	Heather adjacent to main path leading through West Heath 50m in from Dump	Control bracken on slope adjacent to area
81	13, 14, 15	Heather adjacent to main path leading through West Heath 50m in from Dump	Weed heather 2 to 3 times yearly.
81	4, 6	Heather adj. main path leading through West Heath 50m in from Dump	Regular cuts of newly opened grass areas to prevent scrub encroachment
82	39, 40	Leg of Mutton Pond	Cut back holly & coppice/pollard selective trees from pond banks, on 4-year rotation to allow light to penetrate marginal areas. Prevent regrowth in areas of good emergent vegetation. 1 side a year
82	39	Leg of Mutton Pond	Removal of tree and scrub cover shading out marginal vegetation, particularly on north side
82	39	Leg of Mutton Pond	Remove willow and birch scrub growing in reedbed. Cut back/grub out bramble encroachment from edges
82	36	Leg of Mutton Pond	Cut reeds every 8 years
82	50	Woodland rear of garden fences (area south-west of Leg of Mutton Pond)	Monitor & control Japanese knotweed
84	16	Main body of West Heath woodland	Develop & increase deadwood habitat piles. Place timber in bramble in shade.
84	16	Main body of West Heath woodland	Maintain open glades through removal of sycamores
85	Access	West Heath roadside	Keep road edge & bollards visible by close-mowing through season
85a	7	West Heath meadow	Late cut to lower part of meadow, leaving refuges
86	36, 44, 46	West Heath valley mire (West Heath bog)	Remove encroaching bramble from around dwarf willow & seepage points



86	46	West Heath valley mire (West Heath bog)	Cut Juncus & Glyceria before frosts to allow improved growth of sphagnum species
86	46	West Heath valley mire (West Heath bog)	Try to expand sphagnum through pool re-creation & translocation
86	46	West Heath valley mire (West Heath bog)	Maintain low herbage through regular cutting. Monitor for development of sphagnum.
86	14	West Heath valley mire (West Heath bog)	Cut of area between West Heath meadow & bog through removal of scrub & selective lifting & thinning of trees. This will increase area of acid-loving flora such as tormentil.

## Whitestone Pond and Judges Hollow

87	36	Whitestone Pond	Maintain pond to specification outlined by City Surveyors. Cut reeds overhanging path in early spring
88	Access	Lower corner West Heath road/ Branch Hill junction	Maintain sightlines for traffic on lower bend.
88	Access	Lower corner West Heath road/ Branch Hill junction	Cut back road edge from Branch Hill junction down to West Heath meadow if necessary road closure can be obtained.
88	7, 50	Flat area at top of Judges Hollow, close to flagstaff	Early cut; top thistle within grassland area
89	50	Judges Hollow	Flail low bramble patches invading grassland
89	7, 13	Judges Hollow small wooded area & steep slope	Late annual cut to half slope
89	50	Judges Hollow small wooded area & steep slope	An isolated & expanding area of thistle & nettle on edges of bank needs regular cut to prevent expansion into acid grassland
89	50	Judges Hollow lower section & gentle slope	Cut or pull patches of nettle among fine grasses
89	50	Judges Hollow lower section & gentle slope	Selective cut during May & July to reduce aggressive coarse grasses.
89	50	Judges Hollow lower section & gentle slope	Remove bramble & seedling trees encroaching on all open areas
99	50	Judges Hollow area of mature gorse	Remove large turkey oak and any seedling sycamores
90	7	Judges Hollow lime & chestnut avenue	Late cut of grass next to houses.
90	Access	Judges Hollow lime & chestnut avenue	Prune epicormic shoots on limes

## Sandy Road

91	Access	Path from Spaniards Green to Ikin's Corner	Cut back bramble encroachment
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92	20	Sandy Road	Continue cutting 2 coupes/year along ride in 5-year rotation. Sections 1b +3a in 2015. 2a + 5b in 2016. See map.
<b>92</b>	<b>50</b>	<b>Sandy Road</b>	<b>Remove Turkey oak from section 5b and Norway maple from section 2a.</b>
92	20	Sandy Road	Cut scalloped 2-3m strip along path edge during July
93	H1	Cooling Track	Monitor & remove tree seedlings along ditch as necessary
93	7	Cooling Track	Glade opposite Extension top locking bar: late cut at end of season
93	43	Cooling Track	Clear ditch culvert as necessary
94	50	Old Sand Pit, behind Heath House	Remove seedling sycamores
94	Access	Old Sand Pit, behind Heath House	Shape low epicormic growth from lime trees by bench
95	7, 50	Woodland next path & horse chestnut avenue, south of end of North End	Late cut to the Lily of the Valley area to remove bramble & ivy encroachment
96	39	Sandy Heath ponds	Selectively coppice or remove tree/gorse and scrub cover from the edge of pond No.4 to prevent shading and establishment of large trees.
96	4, 14	All Sandy Heath ponds	Remove bramble developing in damp shaded areas & acid grassland
96	36	All Sandy Heath ponds	Remove selected emergent vegetation + sediment to prevent succession & maintain area of open water. Pond 1 in 2015 or 2016 with mini-digger/contractor
96	14	All Sandy Heath ponds	Regular cut of grass adjacent pond 4 to establish & maintain acid grassland
96	36	Main Sandy pond	Boom and net duckweed from pond No.2 surface when covering greater than 25% of pond surface
96	39	Main Sandy pond	Remove trees from centre of large Iris bed in pond No.2.
97	14	Sandy Heath grassland	Remove turkey oaks from selected areas to increase the extent of acid grassland.
98	13, 14	Pitt's Garden	Weed & maintain heather plantings. Remove pine tree seedlings & saplings. Remove willow saplings.
98	16	Pitt's Garden	Remove three pine tree to provide room for the rest to mature
98	13	Pitt's Garden	Keep bramble controlled in areas of gorse
98	Access	Pitt's Garden	Remove wooden fence surrounding the arch
98	14, 15	Pitt's Garden	High cut of northern heather section to maintain as low heath and prevent scrub encroachment
98	14, 15	Pitt's Garden	Cut around heather sections to prevent scrub encroachment
98	H1	Pitt's Garden	Keep listed wall adjacent to North End clear of vegetation.
98	H1, 50	Pitt's Garden	Remove some bramble & buddleia & coppice gorse along top of crib wall bank
98	4	Pitt's Garden	Maintain margins as grassland & prevent scrub encroachment on path by fence adjoining North End Way
98	14	Pitt's Garden	Increase area of potential heathland through removal of selected shrubs and trees from northern section.
99	6	Paddock	Grub tree seedlings & bramble as necessary
99	50	Paddock	Reduce thistles
99	7	Paddock	Early spring cut to 80% of meadow, leaving refuges, & repeat cut in summer, to encourage scabious
99	46	Paddock	Plant scabious plugs around Paddock to encourage spread
100	50	Large (Summer) Meadow	Control majority of Canadian golden rod, Russian comfrey & Michaelmas daisy as required
100	50	Large (Summer) Meadow	Remove non-native tree seedling in peripheral areas of meadow

100	7	Large (Summer) Meadow	Early spring cut (around March) to allow invertebrates to overwinter in dead stems
100	6	Large (Summer) Meadow	Cut back bramble edge on south side by 3m
100	6	Large (Summer) Meadow	Continue to remove saplings coming up through gorse
101	13, 14, 15	<u>Sandy Gorse patch</u>	Coppice/expand gorse on a 12 year rotation. Section 4 in 2016. Initial expansion required in 2016 Grub out seedling trees and remove bramble. Plant up any bare/dead patches with potted gorse
101	13, 14, 15	<b><u>Sandy Gorse patch</u></b>	<b>Gorse expansion in section 4. Remove tree and scrub cover from area. Grub out any bramble. Rake and remove as much top soil as possible. Plant up with potted gorse.</b>
101	13	<u>Sandy Gorse patch</u>	Follow up management of recently coppiced area of gorse. Section 3- Revisit section to remove any returning scrub or bramble growth. Replant any failed gorse.
101	13	<u>Sandy Gorse patch</u>	Coppice 1-2m strip of gorse from either side of main east-west track.
101	13, 14, 50	<u>Sandy Gorse patch</u>	Control bracken
102	16, 23	Woodland adjacent Spaniard's Road	Remove cycle jumps
103	H6	North End Green: corner North End & North End Avenue	Cut bramble beneath trees to open view of Green from North End Avenue.
103	Access	North End Green: corner North End & North End Avenue	Put in new boundary posts adjacent to old ones, leaving the bases of the former rotten posts in the ground for stag beetle larvae and prevent disturbance of newts
104	1	Woodland edge north end Bridle Cottage entrance	Maintain open aspect along Bridle Cottage wall
105	4	Hill above Wylde's Farm	Maintain 5m grass verge by cutting twice p.a.
105	H6	Hill above Wylde's Farm	Remove small holly regrowth & saplings
105	H6	Hill above Wylde's Farm	Cut low bramble on bank in summer
106	Access	Wylde's Farm access road	Remove any garden rubbish
106	Access	Wylde's farm access road	Strim round bollards throughout season
106	Access	Wylde's farm access road	Selectively thin trees growing into road
107	16	Woodland near Wylde's Farm	Manage area with pines to encourage these by removing senescent larches and nearby Turkey oaks and planting new Scots pines.

## Golders Hill Park

108	47	<b>Golders Hill Park and elsewhere</b>	<b>Trial and initiate hedgehog survey using volunteers. Other locations to be also considered</b>
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# Map showing locations of work items





# Arboricultural Works

## Veteran trees

Policy nos.	Location	Description of proposed works
NL13	Selected locations Heath-wide	<p>Management to tranche of next 10 nominated trees from the Veteran Tree Survey.</p> <p>Proposed works to include:</p> <ul style="list-style-type: none"> <li>• Haloing adjacent tree canopies</li> <li>• Felling selective encroaching trees</li> <li>• Retrenchment pruning</li> <li>• Cable bracing</li> <li>• Dead hedging</li> <li>• Mulching</li> <li>• Moving paths/targets</li> </ul>

## Wild service

Policy nos.	Location	Description of proposed works
NL4	Selected locations Heath-wide	<p>Continue to record new found specimens.</p> <p>Works to nominated trees</p> <p>Proposed works to include:</p> <ul style="list-style-type: none"> <li>• Haloing adjacent tree canopies</li> <li>• Felling selective encroaching trees</li> <li>• Retrenchment pruning</li> <li>• Dead hedging</li> <li>• Mulching</li> <li>• Moving paths/targets</li> <li>• Planting 4 year old saplings in identified locations</li> <li>• Collecting seed for next tranche of propagation</li> </ul>

## Poplar project

Policy nos.	Location	Description of proposed works
NL1	Selected locations Heath-wide	<p>Survey of entire Poplar population Identification &amp; prioritisation of works required</p> <p>To include:</p> <ul style="list-style-type: none"> <li>• Reduction of lapsed pollards</li> <li>• Removal of ivy to aid annual inspection</li> <li>• Removal of significant dead wood and hazard beams</li> </ul>

## Un-programmed and routine tasks

Policy nos.	Location	Description of proposed works
<b>NL14</b>	Selected locations North London Open spaces - wide	<p>Emergency works, to include making safe windblown and recently identified (Arbortrack) unstable and/or decayed trees</p> <p>Felling dead elm regeneration</p> <p>Retrieval of kites and other foreign objects</p> <p>Crown lifting for public/transport access</p> <p>Remedial tree works, to include reduction, felling, pollarding, coppicing &amp; airspading</p> <p>These works produced from Arbortrack Tree Risk Sequencing Inspections.</p> <p>Pest and disease monitoring:</p> <ul style="list-style-type: none"> <li>• Inspect for disease and pests within tree populations, including;</li> <li>• Massaria</li> <li>• Oak Processionary Moth (pheromone trapping and nest location. Managing nest removal)</li> <li>• Chalara fraxinea – (Ash die back)</li> <li>• &amp; AOD (Acute Oak Decline)</li> </ul>

## Additional Works

Policy nos.	Location	Description of proposed works
	Burnham Beeches	Veteran beech pollard restoration
	Haringey & Camden	Working Party – assisting neighbouring Local authorities to carry out woodland conservation & veteran tree management
	Selected locations North London Open spaces – wide	Flood Management: assisting and advising on arboricultural operations on dam structures on Highgate and Hampstead chains

# Formal Areas

## Parliament Hill Fields

### Routine Cyclical Maintenance 2016

Policy nos.	Area	Description
S1, S2, S7	1 Cricket Square and Outfield	Maintain cricket table and outfield which will include mowing, preparation and re-instatement of individual wickets, rolling, fertilising and irrigation. Priority will be given to non-chemical control methods. Inspect and maintain cricket practice nets.
S1, S2, S7	1 Cricket Square and Outfield	End of season renovation of cricket table to include deep scarification, solid tine aeration, top-dressing with surrey loam, over seeding with dwarf perennial rye grass, disease and weed control. Priority will be given to non-chemical control methods.
NL4, NL6	Woodland planting in cricket enclosure	Pruning management of blackthorn, hawthorn, rosa, buckthorn plantings along East and Southern boundary of cricket enclosure.
S1, S2, S7	Bowling Green / Croquet	Liaise with licensee of the bowling green and offer advice and support throughout the year. Arrange for irrigation and machinery servicing.
S1, S2, S7	Formal grass sports areas: 2 football pitches 4 rugby training grids 6 schools training grids 1 soft ball area 5 rounder areas 4 mini football training grids	Maintain grass sports pitches and training grids which will include marking out, setting out goal posts, mowing; preparation and re-instatement of individual areas and fertilising. Routine checking of goal post will be completed by daily inspections. Priority will be given to non-chemical control methods. Maintain and foster close working relationships with neighbouring schools and encouraging usage of facilities.
S1, S2, S7, S8	Formal grass sports areas: 2 football pitches 1 rugby training grid 6 schools training grids 1 soft ball area 5 rounder areas 4 mini football training grids	Renovation of grass pitches and grids to include aeration to overcome surface compaction, top-dressing and over-seeding centre circle and goal mouth areas.  Repairing and checking goal posts, nets and sockets.  Priority will be given to non-chemical control methods.
S1, S2, S7, S8	Class A Certified Athletics Track  Organisation and management of School Sports Day	Daily inspection of track (including hammer cage / pole vault, long jump and javelin run-ups / high jump fan / shot putt landing area / throwing areas etc. to check for debris and wear and tear. Check sand depth and quality and replace as necessary. Keep abreast with current UKA regulation changes. Routine checking of hurdles / landing mats / hammer wires / throwing equipment / pole fault and high jump stands and bars / judges stand / starting blocks / flags / relay batons.  Replacement and repair as necessary. Setting out of track for meetings and training events (including schools). Ensuring the changing facilities including toilets are in a clean and tidy state on a daily basis. Maintain grass centre area and routinely replace divots.

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
S1, S2, S7	Petanque Area	Daily checking of Petanque area to include debris removal, raking and replacement of topdressing material as necessary. Continual monitoring of weed and moss growth. Priority will be given to non-chemical control methods.
S1, S2, S7	10 Hard Tennis Courts	Maintain courts to include daily inspections for debris, vegetation, wear and tear. Daily checking of nets and fencing. Management of bookings from 1 April to 31 September and also weekend bookings from 01 October to 31 March. Monitor open access during the winter season. Priority will be given to non-chemical control methods for the control of moss and algae.
P1	Informal Recreation Areas Dukes Field Stone of Free Speech Bandstand Grass Surrounds Children's Enclosure.	Grass cutting of individual grass recreational areas a minimum once every seven days. Daily collection of litter, debris and dog faeces. During Spring & Summers term times place temporary bins on Dukes Filed & Stone for Free Speech. Re-instate as necessary.
NL3	Natural Grassland Areas in Parliament Hill	Management of existing natural grass areas (front of Lido) to encourage flora and fauna and extend the natural aspects of the Heath into this municipal area.
NL3	Natural Grassland Areas in Parliament Hill	Cut and collection of designated areas on a three yearly cycle. All cut grass to be baled and removed.
D1	Recently planted Specimen Trees – Dukes Field / Stone of Free Speech	Maintain specimen trees to include irrigation, pruning for vigour, form, safety, weed and disease control, checking of tree stakes. Priority will be given to non-chemical control methods.
B4	Male / Female / Disable Public Toilets	Ensure daily cleaning of toilets and regular checks. Replenish toilet rolls and soap on an hourly basis during peak times. Arrange for one deep clean in March/April.
D1	Mixed Borders in Bowling Green	Maintain borders to include mulching, routine, formative and regenerative pruning. Non-chemical weed and disease control via hoeing and removal or pruning out dead plants or branches. Hand irrigation if necessary. Priority will be given to non-chemical control methods.
NL6	Hedge Rows at Highgate Road, Tennis Courts and Bowling Green	Cut native hedges (outside of bird nesting season) to an appropriate height to encourage vigour, density and maintain views.
P3 B8	Memorial Benches / Litter bins / Tennis Hut Shelter / Tennis Huts	Repair, re-stain or re-paint benches. Remove graffiti and bird droppings as required.
B8	Footpaths, Signage, Fences	Footpaths, signage, fences will be checked on a daily basis and repairs carried out as and when required. Grass edging will be carried out during the growing season and wooden edging boards repaired as necessary.
P1	Routine patrolling of Parliament Hill Area	Visual presence will be maintained by Keeping staff during opening hours. Staff will interface with the public and hand out information answer queries and monitor bye-laws as necessary. Assist the Hampstead Heath Constabulary with emergency situation, for example lost children, lost dogs and vulnerable people.
	Christmas Tree	Sighting and later, dismantling of Christmas Tree by main Highgate Road entrance.
A8	Heath Hands Volunteers	Provide a programme for Heath Hand volunteers for the horticulture projects and works undertaken at the Parliament Hill area.



<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
P8	Filming	Manage events to ensure that there is no long-term damage to the landscape and minimise disruption to local communities.

### Parliament Hill Project - 2016

B14	Swains Lane Entrance	<ul style="list-style-type: none"> <li>Landscaping works at Swains Lane entrance to be agreed by separate Consultative / Management Committee Report</li> </ul>
NL6	External Lido Wall Planting	<ul style="list-style-type: none"> <li>Plant native hedging once new sections of wall have been built. (Carried forward from 2015 AWP).</li> </ul>
NL6	Highgate Road & Bowling Green & Tennis Courts 5-10 Hedging	<ul style="list-style-type: none"> <li>Continue to gap up with mixed hedge planting.</li> </ul>
B14	Bull Path – Meadow Planting	<ul style="list-style-type: none"> <li>Planting native plants in the grass area – Ox-eye, meadow cranesbill, cowslip, small scabious</li> </ul>
B14	Waste Bin Cladding	<ul style="list-style-type: none"> <li>Wooden cladding of all the bins</li> </ul>
	Fossil Fuel Day	<ul style="list-style-type: none"> <li>Manage the operation of Parliament Hill two days per year where no fossil fuel is to be used (excluding heating, contractors, café and emergency services).</li> </ul>

## **Golders Hill Park, Hill Garden and the Pergola (includes sports areas on the Heath Extension and Keats House)**

### Routine Cyclical Maintenance 2016

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
S1, S2, S7	Heath Extension 2 Cricket Squares & Outfield	Maintain cricket table and outfield which will include mowing; preparation and re-instatement of individual wickets, rolling, fertilising and irrigation. Priority will be given to non-chemical control methods. Inspect and maintain 2 cricket practice nets.
S1, S2, S7	Heath Extension 2 Cricket Squares and Outfield	End of season renovation of cricket table to include deep scarification, solid tine aeration, top-dressing with surrey loam, over seeding with dwarf perennial rye grass, disease and weed control. Priority will be given to non-chemical control methods.  Erect post and chain fence during off season.

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
S1, S2, S7	Heath Extension Grass Sports Areas: 3 football pitches / 3 rugby pitches / Hockey Pitch / 1 school running track 2 Cricket nets	Maintain grass sports areas which will include marking and setting out goal posts, mowing; preparation and re-instatement of individual areas and fertilising. Priority will be given to non-chemical control methods.  Maintain and foster close working relationships with sports and leisure administration officer, and encourage usage of the facilities with sports clubs and neighbouring schools.  One rugby pitch has been temporary re-located during National Grid works for another season
S1, S2, S7	Heath Extension Sports: 3 football pitches 3 rugby pitches 1 Hockey Pitch 1 school running track	Renovation of grass pitches to include aeration to overcome surface compaction, top-dressing and over-seeding centre circle and goal mouth areas. Repairing and checking goal posts, nets and sockets.
S1, S2, S7	Heath Extension 6 Changing Rooms 2 Officials Rooms	Provide clean, well-maintained facilities to schools and sports clubs all year round. Facilities to be routinely cleaned.
S1, S2, S7	Heath Extension Informal Recreational Grass	Grass cutting of informal recreational areas a minimum once every seven days. Daily collection of litter, debris and dog faeces.
B4	Public Toilets - Golders Hill Park and the Heath Extension	Ensure daily cleaning of toilets and regular checks. Replenish toilet rolls and soap on an hourly basis during peak times. Arrange for one deep clean in March/April.
A1	Golders Hill Park / Heath Extension / Pergola Routine patrolling and Wedding Ceremonies	Visual presence will be maintained by Keeping staff during opening hours. Staff will interface with the public and hand out information answer queries and monitor bye-laws as necessary. Assist the Business Manager with wedding Ceremonies Assist the Hampstead Heath Constabulary with emergency situation, for example lost children, lost dogs and vulnerable people.
S1, S2, S7	Golders Hill Park 2 Grass Tennis Courts 2 Croquet Squares 1 Putting Green 2 Table tennis tables	Maintain grass tennis courts and croquet squares to include twice weekly mowing, monthly verti-cutting, aeration, fertilising, disease, weed, moss control. Priority will be given to non-chemical control methods. Irrigation, divot repairs and marking out and rotation of individual courts.
S1, S2, S7	Golders Hill Park 2 Grass Tennis Courts 2 Croquet Square 1 Putting Green 2 Table tennis tables	End of season renovation of grass tennis courts, putting green and croquet lawns to include scarification, aeration, topdressing, over seeding with bent & fescues mix. Disease, weed and moss control. Priority will be given to non-chemical control methods, for example, daily dew removal to discourage disease outbreaks and dispersal of worm casts.
S1, S2, S7	Golders Hill Park 4 Hard Tennis Courts	Maintain four hard tennis courts to include daily inspections for debris, vegetation, wear and tear. Daily checking of nets and fencing. Taking of tennis booking from 1 April to 31 September and also weekend bookings from 01 October to 31 March. Monitor open access during the winter season. Priority will be given to non-chemical control methods for control of moss and algae.

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
NL3	Golders Hill Park Natural Grassland Areas / Orchard Meadow / Dell Area / Swan Pond	Management of natural grass areas to encourage flora and fauna. Pathways cut through on a weekly basis and areas are "framed".
NL3	Golders Hill Park Natural Grassland Areas Orchard Meadow / Dell Area	Late September annual cut and collection - all grass cuttings to be re-cycled. Followed by two general maintenance cuts before end of November.
D1, NL10	Sustainable Planting in Walled Garden	Maintain sustainable plantings to include lifting and dividing, irrigation, staking, pest, weed and disease control - priority will be given to non-chemical control methods. Maintain and update interpretation boards and other media
D1	Golders Hill Park / Hill Garden, Pergola / Kitchen Garden / Keats House: Specimen Tree Management	Maintain specimen trees to include irrigation, pruning for vigour, form, safety, pest, weed and disease control, checking of tree stakes. Priority will be given to non-chemical control methods.
D1	Golders Hill Park / Hill Garden, Pergola, Kitchen Garden / Keats House Shrub Bed Management	Maintain shrub beds to include mulching, routine formative and regenerative pruning. Non-chemical weed and disease control via hoeing and removal or pruning out dead plants or branches. Hand irrigation if necessary. Priority will be given to non-chemical control methods.
NL6	Golders Hill Park / Hill Garden, Pergola, Kitchen Garden / Keats House Hedge Management	Cut hedges to an appropriate height to encourage vigour, density and maintain views. Hedges include Privet, Hornbeam, Yew, Buxus, Holly, Copper Beech, and Lonicera. Priority will always be given to the bird nesting season.
D1	Golders Hill Park Hanging Baskets by Café / Planting Tubs / Spot planting in borders	Install hanging baskets and other seasonal planting areas maintenance to include weed & disease control, dead-heading, fertilising and daily irrigation. Priority will be given to non-chemical control methods.
E1,E3 P1	Golders Hill Park / Heath Extension Children's Play Areas	Children's play areas will be formally checked by qualified keeper on a weekly basis. Daily visual inspections will be carried out by keeping staff. Annual external playground inspections will be carried out by ROSPA.
E1,3 P1, 10	Golders Hill Park Zoo	Recommendations from the London Borough of Barnet's licensing authority will be adhered to. Links will be pro-actively maintained through BIAZA (British and Irish Association of Zoos and Aquariums) and via the Zoo ethics committee which meets twice per year.

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
E1, E3 P1, P10, NL10	Golders Hill Park Zoo	<p>Maintain all livestock and enclosures within the zoo to the animal welfare and husbandry standards as required by the Zoo licensing Act.</p> <p>Monitor and maintain all enclosures and housing infrastructure within the zoo, to ensure safety and continued suitability. Liaise regularly with the zoo veterinarian to ensure the health of all the livestock within the zoo.</p> <p>Ensure grass levels and general foliage within the animal enclosures is kept at a presentable level throughout the year. Areas left uncut to encourage natural animal behaviour e.g. foraging</p> <p>Promote the zoo to members of the public through advertised feeds, talks, donkey walks and animal adoption scheme. Maintain interpretation boards and other media.</p> <p>Continue to work towards the approved collection plan for the zoo. This includes the sourcing of new animals for the zoo as well as research into new enclosures and livestock.</p>
E1,E3 P1, NL10	Golders Hill Park Butterfly House	<p>Full access to the Butterfly House will be available to the public during opening hours.</p> <p>The facility will be maintained in accordance with good husbandry practice.</p> <p>Maintain interpretation boards and other media</p>
B8	Golders Hill Park / Heath Extension / Pergola Memorial Benches / Gazebo / Litter bins	<p>Repair and re-stain benches and remove graffiti and bird droppings as and when required.</p> <p>Annual clean and re-painting of gazebo.</p>
P3	Golders Hill Park / Heath Extension / Hill Garden, Pergola, Kitchen Garden Litter	All areas to be litter picked daily. Litter bins to be emptied daily.
B8	Golders Hill Park / Heath Extension / Hill Garden, Pergola, Kitchen Garden / Keats House Footpaths, Signage, Fences	<p>Footpaths, signage, fences will be checked on a daily basis and repairs carried out as and when required.</p> <p>Wooden edging boards repaired as necessary.</p> <p>Wooden edging to be replaced with steel metal edging over a 20 year period.</p>
	Golders Hill Park Christmas Tree	Erection and, later, dismantling of Christmas tree by main North End Road entrance.
A8	Golders Hill Park / Hill Garden, Pergola, Kitchen Garden / Keats House / Heath Hands Volunteers	Provide a programme for Heath Hand volunteers for the horticulture projects and works undertaken at the various locations across the Heath.
HY1 NL5	Golders Hill Park / Heath Extension Ditch Management	<p>Maintain ditches and water courses. Grid clearance to be carried out during inclement weather.</p> <p>All ditches to be maintained as specified in Corporation of London hydrology policy.</p>
A1 D3	Children's Entertainment / Bandstand Concerts / Open House / Open Squares	Overseeing of children's education / interpretation / Open House & Square events, bandstand concerts etc.
HY1, NL5	Golders Hill Park Ponds and Streams	<p>Quarterly maintenance of pond pumps and filters.</p> <p>Daily inspection of overflows and safety equipment.</p> <p>Management of vegetation on pond edges.</p>

<b>Policy nos.</b>	<b>Area</b>	<b>Description</b>
P8	Filming	Manage filming events on the Heath to ensure that there is no long-term damage to the landscape and minimise disruption to local communities.

### Golders Hill Park Project - 2016

B14	Disable Car Park Landscape project	<ul style="list-style-type: none"> <li>Implement landscaping works as agreed by Consultative / Management Committee.</li> </ul>
E1,3 P1, 10	Golders Hill Park Zoo	<ul style="list-style-type: none"> <li>Continue to explore transformational management of the zoo in accordance with Zoo Licensing Act 1981 – a detailed committee report will follow.</li> </ul>
NL5, NL9, NL10	Stumpery Phase 3 & 4	<ul style="list-style-type: none"> <li>Plan and implement for phase 3 &amp; 4 extension.</li> <li>Monitor newly planting schemes.</li> </ul>
NL5, NL9, NL10	Outside Education Educational Area	<ul style="list-style-type: none"> <li>Creation of a small section of Green Wall</li> <li>Introduction of bee hives.</li> </ul>
D1	Keats House	<ul style="list-style-type: none"> <li>Additional planting to Keats House – subject to monies being available.</li> </ul>
D1	Hill Garden	<ul style="list-style-type: none"> <li>Final phase re-planting works to the Hill Garden Winter border.</li> <li>First phase re-planting works to the Hill Garden North boundary border, following removal of six self-set Quercus ilex.</li> </ul>
	Fossil Fuel Day	<ul style="list-style-type: none"> <li>Manage the operation of Golders Hill Park two days per year where no fossil fuel is to be used (excluding heating, contractors, café and emergency services).</li> </ul>
D1, NL6	Yew Hedge	<ul style="list-style-type: none"> <li>Replace dying hedge in Walled Garden with native hedging.</li> </ul>
	Waste Dump Area	<ul style="list-style-type: none"> <li>Review layout of the space to improve security and efficiency of site.</li> </ul>