

Appendix 2: Target Notes for Habitat Survey Maps

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
4	Japanese knotweed <i>Fallopia japonica</i> .
5	Pond in horse paddock, aquatic vegetation noted - water starwort <i>Callitriche</i> sp. and reedmace <i>Typha latifolia</i> . With young willows <i>Salix</i> sp. and teasel <i>Dipsacus fullonum</i> around margins - potential for great crested newts.
6	Small poplar <i>Populus</i> sp. plantation with semi-mature trees, on stream corridor and in semi-improved grassland. Many wood pecker holes in trees - potential for roosting bats.
7	Stream corridor, with trees along most of length dominated by oak and hawthorn but with hornbeam <i>Carpinus betulus</i> and apple <i>Malus sylvestris</i> occasional. Water has a medium flow over stony substrate, steep banks with limited vegetation - limited potential for water vole <i>Arvicola amphibious</i> or otter <i>Lutra lutra</i> .
8	Tree line comprising oak, horse chestnut <i>Aesculus hippocastanum</i> , ash <i>Fraxinus excelsior</i> , holly <i>Ilex aquifolium</i> , hawthorn with veteran trees with bat roosting potential
9	Old glasshouse site with rough grassland / made ground / scrub matrix and remains of old orchard - potential for common reptile species.
10	Veteran oak trees in boundary - potential for bats and dense scrub around field margins with potential for reptiles.
11	Group of mature trees in middle of field, woodpecker holes in horse chestnut and large dying poplar - potential for roosting bats.
12	Large fishing pond, aquatic vegetation includes reedmace, pondweed <i>Potamogeton</i> sp., yellow flag <i>Iris pseudacorus</i> , soft rush <i>Juncus effuses</i> with greater willowherb <i>Epilobium hirsutum</i> and sweet grass <i>Glyceria</i> sp. around margins. Trees around the pond margins with ancient woodland indicators in ground flora, such as wood anemone <i>Anemone nemoralis</i> , remote sedge <i>Carex remota</i> , early dog violet <i>Viola reichenbachiana</i> , bluebell <i>Hyacithiodes non-scripta</i> and stinking iris <i>Iris foetidissima</i> .
13	Small copse comprising semi-mature trees including ash, sweet chestnut, sycamore and, willow, with a small stand of young oak in northwest corner. Understorey comprising blackthorn <i>Prunus spinosa</i> , hawthorn, elm, elder <i>Sambucus nigra</i> , cherry <i>Prunus avium</i> and holly. Ground flora including ancient woodland indicators such as lords and ladies <i>Arum maculatum</i> , hedge woundwort <i>Stachys sylvatica</i> , lesser celandine <i>Ranunculus ficaria</i> and a number of sedge <i>Carex</i> species. Splits in limbs of trees and rot holes with potential for roosting bats.
14	Stream / field drain with running water and aquatic / emergent vegetation including yellow flag and angelica <i>Angelica sylvestris</i> .
15	Area previously a garden centre, currently garden with mixture of amenity grassland, raised beds, tall ruderal species, scrub, areas of bracken <i>Pteridium aquilinum</i> and a wooded area to the south. Potential for amphibians, reptiles, nesting birds and bats.
16	Neglected field totally dominated by scrub and small trees including species such as bracken, bramble <i>Rubus fruticosus</i> agg, dog rose <i>Rosa canina</i> , elm with old sheds and low walls. Potential for amphibians, reptiles, nesting birds and bats
17	Medium sized pond adjacent to road side, surrounded by trees and low scrub. Aquatic vegetation limited to reedmace with bittersweet <i>Solanum dulcamara</i> at edges. Water very shaded, anaerobic sludge in bottom, and oily slick around edges. Vegetated margins with rubble. Potential for amphibians and reptiles.
18	Stream corridor with no trees along margin - associated vegetation includes brooklime <i>Veronica becabunga</i> and angelica
19	Semi-improved grassland with moderately diverse species list including neutral grassland species such as meadow foxtail <i>Alopecurus pratensis</i> , sweet vernal grass <i>Anthoxanthum odoratum</i> , crested dog's tail <i>Cynosurus cristatus</i> , common knapweed <i>Centaurea nigra</i> , bird's-foot trefoil <i>Lotus corniculatus</i> , oxeye daisy <i>Leucanthemum vulgare</i> , agrimony <i>Agrimonia eupatoria</i> , meadow vetchling <i>Lathyrus pratensis</i> , common cat's-ear <i>Hypochaeris radicata</i> , meadow buttercup <i>Ranunculus acris</i> .
20	Derelict glasshouse site, overgrown with scrub and with potential for amphibians, reptiles, nesting birds and bats.
21	Small area of marshy / damp grassland.
22	Medium sized pond (possibly an attenuation pond for housing area to the north) in depression in ground with steep banks vegetated with rank grasses and ruderal species. Aquatic / emergent vegetation includes hard rush <i>Juncus inflexus</i> , soft rush, pendulous sedge <i>Carex pendula</i> , common reed <i>Phragmites australis</i> and a number of sedges. Bankside vegetation including rank grasses such as cocksfoot <i>Dactylus glomerata</i> and false oat grass <i>Arrhenatherum elatius</i> with wild carrot <i>Daucus carota</i> , black knapweed, yellow rattle <i>Rhinanthus minor</i> , coltsfoot <i>Tussilago farfara</i> , oxeye daisy, common vetch <i>Vicia sativa</i> , red clover <i>Trifolium pratense</i> . Potential for amphibians and reptiles.
23	Dead tree next to species rich hedgerow - has potential for roosting bats.
24	Small copse with laburnum <i>Laburnum</i> sp. dominating northern edge. Trees including hawthorn, ash, willow, elder, sycamore with buddleja <i>Buddleja davidii</i> and bramble scrub in understorey. Japanese knotweed also. Potential for reptiles, nesting birds and bats.
25	Dense hawthorn and blackthorn scrub with potential for nesting birds.
26	Matrix of rough grassland, ruderal species, made ground, banks / bunds with potential for reptiles.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
27	A dry ditch and overgrown species-poor hedgerow, to 3.5m tall, located at the boundary of an arable field, providing a connection to further hedgerows in the wider landscape. Hawthorn and blackthorn are the most frequent species, with occasional bramble. and dog rose also present. A single semi-mature ash tree is present within the hedgerow.
28	Mature species-poor hedgerow with trees. The hedgerow is generally dominated by, with bramble, rose <i>Rosa</i> sp. and elder also occasionally present. There are a number of mature pedunculate oak trees present along the central part of this hedgerow, containing a number of cracks and rot holes, of value as potential bat roosting habitat, as well as being of potential value to other fauna such as birds and invertebrates.
29	Two amenity-managed fields surrounded by dense woodland shelter belts and a tall, species-poor hawthorn and blackthorn hedgerow along the eastern boundary. The fields are relatively species-poor, dominated by perennial rye-grass <i>Lolium perenne</i> . The woodland shelter belts surrounding the field are generally up to 5m tall and form a dense and continuous cover, will taller grassland in the understory, of potential value to small mammals. A number of the trees also contain features such as rot holes, of potential value to roosting bats. Tree species present include horse chestnut, hawthorn, blackthorn, ash, rose. and bramble.
30	Mature borderline veteran pedunculate oak tree. A number of holes and cracks, providing opportunities for roosting bats, nesting birds and invertebrates.
31	Large veteran pedunculate oak tree. A number of holes and cracks, providing opportunities for roosting bats, nesting birds and invertebrates.
32	Very mature, borderline veteran, pedunculate oak trees, set within a short and regularly managed hedgerow. A number of rot holes and cracks, providing opportunities for roosting bats, nesting birds and invertebrates.
33	A large horse-grazed field, gently sloping towards the north. The field is bordered by well-managed hedgerows to the east, south and west, and a wet ditch to the north. The hedgerows at the eastern field boundary are species-rich, comprising of hawthorn, hazel, field maple <i>Acer campestre</i> , rose, bramble and occasional pedunculate oak trees. Mature trees are set within the centre of the field and along the southern site boundary, just set in from the hedgerow, a number of which contain rot holes, providing a potential roosting feature for bats. The grassland is short and species present include Yorkshire fog <i>Holcus lanatus</i> , soft brome <i>Bromus hordeaceus</i> , cock's-foot, perennial rye-grass, dandelion <i>Taraxacum</i> agg., vetches <i>Vicia</i> spp., greater plantain <i>Plantago major</i> , white clover <i>Trifolium repens</i> and mouse ear <i>Cerastium fontanum</i> .
34	A small brook, flowing in an easterly direction. The brook is set at the base of two slopes with improved grasslands and arable fields located on either side. The channel characteristics are varied, generally between 0.1 – 0.4m deep and 0.5 – 1.5m wide. The majority of the surveyed section is set within a strip of woodland, with a less shaded channel towards the east. Mature oak trees are present along the length of the brook, a number of which contain features such as rot holes, of potential value to roosting bats. Other trees along the brook include ash, willows, hornbeam and hawthorn. Mats of lesser celandine are present in the understory where the woodland is denser. The eastern part of the surveyed section of the brook is less shaded and contains soft earth banks, of potential value to water vole, although no signs to indicate the presence of this species were noted.
34	A small brook, flowing in an easterly direction. The brook is set at the base of two slopes with improved grasslands and arable fields located on either side. The channel characteristics are varied, generally between 0.1 – 0.4m deep and 0.5 – 1.5m wide. The majority of the surveyed section is set within a strip of woodland, with a less shaded channel towards the east. Mature oak trees are present along the length of the brook, a number of which contain features such as rot holes, of potential value to roosting bats. Other trees along the brook include ash, willows, hornbeam and hawthorn. Mats of lesser celandine are present in the understory where the woodland is denser. The eastern part of the surveyed section of the brook is less shaded and contains soft earth banks, of potential value to water vole, although no signs to indicate the presence of this species were noted.
35	Agriculturally improved grassland.
36	Large arable field. Skylark <i>Alauda arvensis</i> was heard singing over the field and the field is of potential value as nesting habitat for this and other farmland bird species.
37	Very mature pedunculate oak trees, set within a short and regularly managed hedgerow. A number of rot holes and cracks, providing opportunities for roosting bats, nesting birds and invertebrates.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
38	Poor semi-improved grassland set on a south-facing aspect, surrounded by dense overgrown hedgerows with trees on its northern, eastern and western boundaries, and a brook along its southern boundary. The western hedgerow is species-rich, with species present including blackthorn, hawthorn, elm, elder, holly, field maple and pedunculate oak. The field is comprised of perennial rye-grass, Yorkshire fog, red fescue <i>Festuca rubra</i> , white clover, bristly ox-tongue <i>Picris echioides</i> and vetches.
39	Mature slightly deformed ash tree located at side of road. Contains numerous rot holes, providing opportunities for nesting birds and roosting bats.
40	Ornamental pond set within a mature plantation broadleaved woodland. A number of the trees are very mature, supporting features such as rot holes, providing potential roosting opportunities for bats and nesting birds.
41	An area of broadleaved woodland, not currently subject to any form of management. The woodland is set on undulating ground, with frequent brick piles and fallen deadwood, of potential value to invertebrates, amphibians and reptiles. The ground flora is dominated by common nettle <i>Urtica dioica</i> , with occasional garlic mustard <i>Alliaria petiolata</i> and ground-ivy <i>Glechoma hederacea</i> . The trees are of varying ages, generally semi-mature, composed of willows, ash and hornbeam.
42	Two species-poor hedgerows with trees located at the northern a western peripheries of an improved horse-grazed pasture. Species within the hedgerow include hawthorn, rose, blackthorn and ash. A number of the ash trees are mature, and contain features such as rot holes, providing potential roosting opportunities for bats and nesting birds.
42	Two species-poor hedgerows with trees located at the northern a western peripheries of an improved horse-grazed pasture. Species within the hedgerow include hawthorn, rose, blackthorn and ash. A number of the ash trees are mature, and contain features such as rot holes, providing potential roosting opportunities for bats and nesting birds.
43	Parcel of land which was previously mostly cleared of vegetation and has now subsequently re-colonised with tall ruderal vegetation and neutral grassland, with some areas of bare ground. There are occasional semi-mature and mature trees, the majority of which are ash, only a small number of which contain features such as rot holes with the potential to support roosting bats. The mosaic of habitats provide potentially suitable conditions for amphibians and reptiles.
44	Broadleaved woodland composed mostly of pedunculate oak and ash, with occasional hawthorn and elder. The oak trees are generally mature, a number of which contain features such as splits and rot holes, providing potential roosting opportunities for bats and nesting birds. The ground had been recently rotavated at the time of survey, therefore this area is of limited value to amphibians and reptiles in its current state.
45	Small pond, approximately 10m x 5m. There is some open water, but the majority of the surface is dominated by dense lesser reed-mace. The pond is of potential value to amphibians including great crested newt, and is surrounded by dense scrub and tall ruderal vegetation, of potential value as a terrestrial habitat for this species.
46	Mosaic of dense scrub, scattered scrub and short, rabbit-grazed, neutral grassland, located behind a plant nursery. The ground is relatively uneven, with partially-buried deadwood and concrete, providing a suitable mosaic of habitats for reptiles and amphibians. The grassland is very short with a fine sward, composed of species including perennial rye-grass, yarrow <i>Achillea millefolium</i> , ragwort <i>Senecio jacobaea</i> , thistles <i>Cirsium</i> spp., white dead-nettle <i>Lamium album</i> , common nettle, ox-eye daisy, selfheal <i>Prunella vulgaris</i> , common mouse-ear and mosses.
47	An area of hard standing which has developed a sparse neutral grassland on the northern half of this parcel of land. A line of pedunculate oak, willows and elder is located along the northern boundary with a pile of brash at its base. The mosaic of habitats present potentially suitable habitat for reptile, amphibians and a range of invertebrate species.
48	Wet ditch, flowing in a easterly direction. The ditch is an average of 50cm wide and 5 - 10cm deep. The majority of the ditch is densely shaded by broadleaved woodland on either bank, with tree roots present within the channel. No aquatic or marginal vegetation was present at the time of survey. The majority of the trees are semi-mature, with occasional mature trees containing features such as rot holes, providing potential roosting opportunities for bats and nesting birds. Canopy species include hawthorn, ash, willows, apple, elder and elm. Where the ditch is open and unshaded by trees the channel provides suitable habitat for water vole, although no signs of this species were noted.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
48	Wet ditch, flowing in a easterly direction. The ditch is an average of 50cm wide and 5 - 10cm deep. The majority of the ditch is densely shaded by broadleaved woodland on either bank, with tree roots present within the channel. No aquatic or marginal vegetation was present at the time of survey. The majority of the trees are semi-mature, with occasional mature trees containing features such as rot holes, providing potential roosting opportunities for bats and nesting birds. Canopy species include hawthorn, ash, willows, apple, elder and elm. Where the ditch is open and unshaded by trees the channel provides suitable habitat for water vole, although no signs of this species were noted.
49	Large poor semi-improved grassland, heavily horse-grazed. The sward is very short with frequent patches of bare ground. Species present include perennial rye-grass, selfheal, creeping buttercup <i>Ranunculus repens</i> , white clover, mouse-ear, yarrow and creeping cinquefoil <i>Potentilla reptans</i> . A thick species-poor hedgerow and trees forms the eastern field boundary, with a dry ditch present at its base. This hedgerow connects to further hedgerows and woodland in the wider landscape. Species present include hawthorn, elm, ash and bramble.
50	Large ornamental pond set within the grounds of a private residential garden. The pond is surrounded by amenity-managed grassland. The pond is likely to be of some value to wildlife in the local area, in particular wildfowl and aquatic invertebrate species.
51	A large semi-improved neutral grassland horse-grazed pasture, with further grazed pasture located to its north, east and south. Species present include perennial rye-grass, meadow-grass <i>Poa</i> sp., crested dog's-tail, Yorkshire fog, cock's-foot, white clover, dandelion <i>Taraxacum</i> agg., creeping buttercup, meadow buttercup greater plantain, knapweed, vetches, ragwort and common mouse-ear.
52	Neutral grassland field located on slightly undulating ground, with a pond situated towards its eastern end. Mosses and common knapweed form a frequent component of the sward, with ox-eye daisy selfheal, white clover and vetches also present. The southern boundary is formed of a broadleaved woodland shelter belt, with a number of the pedunculate oak trees containing rot holes, providing potential roosting sites for bats. The pond is clear with little aquatic or marginal vegetation, limited to occasional greater reedmace, greater willowherb and soft rush. Piles of brash and a line of willows are present adjacent to the pond, providing a suitable mosaic of habitats for amphibians and reptiles.
53	Large semi-improved neutral grassland containing a relatively high frequency of herbs. Species present include red fescue, meadow foxtail, Yorkshire fog, cock's-foot, meadow vetchling, creeping buttercup, meadow buttercup, selfheal, white clover, bird's-foot trefoil, ox-eye daisy and common knapweed. The field boundaries are all relatively dense, comprising of species-poor hedgerows with trees and dense scrub.
54	Species-rich hedgerow with trees, composed of hawthorn, elm, holly, elder and pedunculate oak.
55	Large poor semi-improved neutral grassland field grazed by horses. The field is relatively open and exposed, with weak boundary features. Species present include Yorkshire fog, cock's-foot, perennial rye-grass, red fescue and yarrow.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
56	A strip of semi-natural broadleaved woodland is located adjacent to the Woollens Brook and bordering onto a rank neutral grassland, with a wet ditch running along its southern boundary. The woodland does not appear to receive any management and provides continued cover for a range of fauna within the local landscape. The trees are of varying age and size and a number of the mature pedunculate oak trees contain features such as rot holes and cavities which provide potentially suitable roost sites for bats. The shrub layer is mostly composed of bramble, holly and hawthorn. The ground flora is composed of dense ivy <i>Hedera helix</i> , with other species including common nettle, ground-ivy, hedge woundwort, Yorkshire fog, herb Robert <i>Geranium robertianum</i> , cleavers <i>Galium aparine</i> , meadow-grass. and greater stitchwort <i>Stellaria holostea</i> . Fallen deadwood is frequent throughout the woodland, increasing its value to invertebrates. A pond is located at the eastern end of the woodland. This pond is approximately 8m x 3m, with water up to 20cm deep. The pond contains fallen deadwood and leaf litter and is densely shaded. Lesser celandine is present on the margins of the pond. The pond is likely to be of value to wildlife in the local area, and has some limited potential to support amphibians including great crested newt.
56	A strip of semi-natural broadleaved woodland is located adjacent to the Woollens Brook and bordering onto a rank neutral grassland, with a wet ditch running along its southern boundary. The woodland does not appear to receive any management and provides continued cover for a range of fauna within the local landscape. The trees are of varying age and size and a number of the mature pedunculate oak trees contain features such as rot holes and cavities which provide potentially suitable roost sites for bats. The shrub layer is mostly composed of bramble holly and hawthorn. The ground flora is composed of dense ivy, with other species including common nettle, ground-ivy, hedge woundwort, Yorkshire fog, herb Robert, cleavers, meadow-grass and greater stitchwort. Fallen deadwood is frequent throughout the woodland, increasing its value to invertebrates. A pond is located at the eastern end of the woodland. This pond is approximately 8m x 3m, with water up to 20cm deep. The pond contains fallen deadwood and leaf litter and is densely shaded. Lesser celandine is present on the margins of the pond. The pond is likely to be of value to wildlife in the local area, and has some limited potential to support amphibians including great crested newt.
57	Rank tussocky neutral grassland on average 50cm tall, likely only to be subject to infrequent management. In its current state this field is of potential value to small mammals, reptiles and amphibians. The grassland is composed of species including Yorkshire fog, cock's-foot, false oat-grass, hogweed, common vetch, common knapweed, cuckooflower <i>Cardamine pratensis</i> , ragwort, yarrow, common nettle and cleavers.
58	Woollens Brook, forming the boundary between residential and commercial units and semi-improved grassland fields. The brook flows in a southerly direction with a varied channel width between 1 – 2m on average, with a mostly stony substrate. There was no visible aquatic or marginal vegetation at the time of survey. The banks are composed of earth, some sections being vertical, therefore presenting burrowing opportunities for water vole. The stony substrate means that this watercourse provides potentially suitable habitat for the native white-clawed crayfish <i>Austropotamobius pallipes</i> . The brook is overhung by trees and scrub on both banks, providing a relatively dense green corridor within the wider landscape.
59	Two large semi-improved neutral grassland fields separated by a species-poor hedgerow with trees, and bordering onto the Woollens Brook. The fields are managed by mowing, and some areas are managed less frequently, thereby creating a taller more tussocky sward to 50cm tall, of potential value to small mammals and reptiles. Species present include Yorkshire fog, false oat-grass, meadow foxtail, cock's-foot, fescue <i>Festuca</i> sp., common bent-grass, meadow buttercup creeping buttercup and occasional patches of sheep's sorrel <i>Rumex acetosella</i> .

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
59	Two large semi-improved neutral grassland fields separated by a species-poor hedgerow with trees, and bordering onto the Woollens Brook. The fields are managed by mowing, and some areas are managed less frequently, thereby creating a taller more tussocky sward to 50cm tall, of potential value to small mammals and reptiles. Species present include Yorkshire fog, false oat-grass, meadow foxtail, cock's-foot, fescue, common bent-grass, meadow buttercup creeping buttercup and occasional patches of sheep's sorrel <i>Rumex acetosella</i> .
60	Semi-improved neutral grassland managed infrequently by mowing. Species present include Yorkshire fog, false oat-grass, meadow foxtail, cock's-foot, fescue, common bent-grass creeping buttercup, bristly oxtongue, creeping thistle <i>Cirsium arvense</i> , marsh thistle <i>Cirsium palustre</i> , ragwort and broadleaved dock.
61	Rank neutral grassland with a high proportion of tall ruderal vegetation present. The ground is uneven with a stony substrate, providing suitable conditions for reptiles, small mammals and a range of invertebrates. Species present include Yorkshire fog, perennial rye-grass, false oat-grass, bent-grass, red fescue, teasel, spear thistle, ragwort, dove's-foot crane's-bill <i>Geranium molle</i> , broadleaved dock <i>Rumex obtusifolius</i> , creeping thistle, bristly oxtongue, creeping buttercup, white clover, common mouse-ear, selfheal, and cuckooflower. Two mature pedunculate oak trees are present within the centre of the field, containing rot holes which provide potential roosting opportunities for bats and nesting birds.
62	Plantation broadleaved woodland bisected by a public footpath. Although a mature woodland, the majority of the trees are relatively slender, therefore providing little opportunities for roosting bats. Species present include sycamore, elm, pedunculate oak, elder, ash and hawthorn. The ground flora is dominated by ivy, with occasional dog's-mercury <i>Mercurialis perennis</i> and bluebell. The section of woodland to the south of the path is generally younger with a higher proportion of regenerating canopy species.
62	Plantation broadleaved woodland bisected by a public footpath. Although a mature woodland, the majority of the trees are relatively slender, therefore providing little opportunities for roosting bats. Species present include sycamore, elm., pedunculate oak, elder, ash and hawthorn. The ground flora is dominated by ivy, with occasional dog's-mercury and bluebell. The section of woodland to the south of the path is generally younger with a higher proportion of regenerating canopy species.
63	Two areas of rabbit-grazed neutral grassland with scattered scrub and dense scrub at the peripheries. The mosaic of habitats provides potentially suitable conditions for reptiles and a range of invertebrates. The sward is very short, with species present including perennial rye-grass, Yorkshire fog, selfheal, ragwort, yarrow, common mouse-ear, white clover, daisy <i>Bellis perennis</i> . and bristly oxtongue. Less frequent species include slender St. John's-wort <i>Hypericum pulchrum</i> and common centaury <i>Centaurium erythraea</i> . The majority of the scrub is dominated by hawthorn, with other species present including rose, bramble, apple, elm and blackthorn.
63	Two areas of rabbit-grazed neutral grassland with scattered scrub and dense scrub at the peripheries. The mosaic of habitats provides potentially suitable conditions for reptiles and a range of invertebrates. The sward is very short, with species present including perennial rye-grass, Yorkshire fog, selfheal, ragwort, yarrow, common mouse-ear, white clover, daisy and bristly oxtongue. Less frequent species include slender St. John's-wort and common centaury. The majority of the scrub is dominated by hawthorn, with other species present including rose, bramble, apple, elm and blackthorn.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
64	Semi-improved neutral grassland field bounded by woodland to the north, south and west, and dense scrub then housing to the east. The sward is relatively short and therefore of limited value to reptiles or amphibians. Species present within the sward include Yorkshire fog, perennial rye-grass, common bent-grass, sweet vernal-grass, red fescue, creeping cinquefoil, meadow vetchling, selfheal, chickweed, bird's-foot trefoil, creeping buttercup, ragwort and broadleaved dock. A relatively young broadleaved woodland is located to the north of this grassland, composed of cherry, pedunculate oak, elm, hawthorn, elder and dense impenetrable bramble. Where present, the ground flora is dominated by common nettle.
65	Semi-natural grassland which has formed over recent years on a previously-developed site. It is currently very short, being heavily grazed by rabbits. The grassland is relatively herb-rich, with species present including red fescue, common centaury, speedwell <i>Veronica</i> sp., bristly oxtongue, selfheal, creeping thistle, ox-eye daisy, ground-ivy, creeping buttercup, ragwort, white clover, broadleaved dock, slender St. John's-wort, bird's-foot trefoil, common mouse-ear, rosebay willowherb <i>Chamerion angustifolium</i> and mosses. Basal leaves of orchid were also present; however, the leaves were so heavily-grazed that it was not possible to determine which species or to which genus it belongs. Dense scrub and occasional trees are present along the south-western and north-western boundaries of the grassland, with species present including blackthorn, pedunculate oak, hawthorn and bramble. The mosaic of open habitats, taller vegetation and scrub, and the variety of plant species present, are likely to be of value to a range of invertebrate species and reptiles.
66	Mature broadleaved woodland set within and around a depression in the ground. The canopy is mostly composed of large mature trees, including pedunculate oak, ash and horse chestnut, some of which are potentially veteran. The mature trees frequently contain features such as rot hole, splits and cavities, of potential value to roosting bats, nesting birds and invertebrates. The shrub layer is limited, with species present including hawthorn, elm, elder, rose, hornbeam, bramble. and a small stand of rhododendron <i>Rhododendron ponticum</i> . The ground flora at the base of the slope is largely absent, with the majority of species located on the slopes. Species present include dog's-mercury, bluebell, periwinkle <i>Vinca</i> sp., wood avens <i>Geum urbanum</i> , cow parsley <i>Anthriscus sylvestris</i> , broadleaved dock <i>Rumex obtusifolius</i> and ground-ivy.

Target Note	Description
1	Pond at edge of field, surrounded by blackthorn scrub with duckweed <i>Lemna</i> sp over whole surface - potential for great crested newts <i>Triturus cristatus</i> .
2	Rough grassland / made ground with potential for common reptile species.
3	Large pond with island covered in mature deciduous trees (oak <i>Quercus robur</i> , sycamore <i>Acer pseudoplatanus</i> , hazel <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elm <i>Ulmus</i> sp.), shady, deep, no aquatic vegetation noted. Mallard <i>Anas platyrhynchos</i> and Canada goose <i>Branta canadensis</i> breeding and moorhen <i>Gallinula chloropus</i> noted.
67	Mature broadleaved woodland set within and around a depression in the ground. The woodland appears to be frequently used by dog walkers and therefore receives some disturbance. The canopy is varied in age and height, supporting a number of very mature trees containing features such as rot holes and split bark, as well as some standing deadwood, of potential value to roosting bats, nesting birds and invertebrates. The undulating ground and frequent fallen deadwood also provide additional ecological interest. Horse chestnut are generally the most mature of the canopy species, with other species present including sycamore, beech <i>Fagus sylvatica</i> , hornbeam, lime <i>Tilia</i> sp., pedunculate oak, cherry, and hawthorn. Where present, the shrub layer includes elder, hawthorn, elm, regenerating sycamore, ash and field maple. Stands of rhododendron are present at the north-eastern corner of the woodland and along its western boundary. The ground flora is varied, with a high frequency of bare ground. Bluebell is present at the base of the slope in occasional stands. Ivy forms dense mats along the ground. Other species present in the ground flora include lesser celandine, garlic mustard, burdock <i>Arctium</i> sp., hedge woundwort, lords-and-ladies, forget-me-not <i>Myosotis</i> sp., wood avens and ground-ivy.
68	Nine active badger <i>Meles meles</i> sett entrances located at the northern boundary of the broadleaved woodland. A number of fresh diggings and well-worn paths are in close proximity to these entrances. No latrine areas were noted.


Appendix 3: Local Wildlife Sites Surveyed

Site Code	Site Name	Wildlife Site Criteria Habitat
71/028/01	Wormleybury Icehouse Woodland	Woodland - Ancient
71/028/03	Wormleybury Lake	Species
72/004	Baas Hill Common	Mosaic
72/012	Broxbournebury Golf Course	Grassland - Acidic
72/041	Wormley Parkland E. of A10	Grassland - Neutral
72/050	Top Field and Cozens Grove	Grassland - Neutral
80/001	Halstead Hill Pond	Species
80/002	Lucas End Meadows, East	Grassland - Neutral
80/004/01	South Lodge Pasture	Grassland - General
80/005	Cheshunt Park Farm Field	Grassland - Neutral
80/008	Roundcroft Wood and Smarts Green	Woodland - Ancient
80/012	Temple Bar Meadow	Grassland - Neutral
80/020	Poyndon Farm	Grassland - Neutral
80/026	Meadow by Forest View	Grassland - Neutral
80/027	Meadow N. of High View Farm	Grassland - Neutral
80/028	Meadow N.E. of High View Farm	Grassland - Neutral
80/029	Hammonds Street Meadow	Grassland - Neutral
80/030	Lucas End Farm Pasture, West	Grassland - Neutral, Marshy
80/032	Meadow W. of Whitehouse Farm	Grassland - Neutral
80/035	Meadow S. of Rosehill Sports Ground	Grassland - Neutral
80/037	Hammond Street Scrub	Grassland - Neutral
80/038	Grassland S. of Hammond Street Scrub	Grassland - Neutral

Site Code	Site Name	Wildlife Site Criteria Habitat
80/039	Grassland S.E. of Hammond Street Scrub	Grassland - Neutral
80/044	Meadow W. of Tudor Villas	Grassland - Neutral
80/046	Longmead Farm Meadows	Grassland - Neutral, Marshy
80/047	Meadow by Park House	Grassland - Neutral
80/058	Bonney Grove Wood by B198	Woodland - Recent
80/070	Cheshunt Park Grasslands and Pond	Grassland - Neutral
80/071	Cheshunt Park Field	Grassland - Neutral
80/072	Broom Hills	Woodland - Recent
80/073	Burygreen plantation	Woodland - Recent
81/001/03	Thistly Marsh and Area W. of Cheshunt Marsh	Grassland - Neutral
81/010	Candlestick Lane Meadows	Grassland - Neutral
81/011	Cheshunt Park Golf Course Pond	Species
81/016	Halfhide Lane Allotments	Species

Appendix 4: Local Wildlife Site Survey Sheets and Maps

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Wormleybury Icehouse Woodland			Grid Reference T L 3 4 6 0 5 8								
Site Number/ID 71/028/01			Date 1/5/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		4.3 ha									
Site Ownership notes		Private – towards east end gardens extend into woodland, and include several buildings.									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	<input checked="" type="checkbox"/>	No			
Comments/Amendments Not all parts could be checked as the eastern end behind the houses was flooded.											
Site survey information											
Main biodiversity interest of site		Old/ancient woodland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Broadleaved woodland									
Secondary Habitat		Plantation mixed woodland									
Other Habitats		Running water									
		Hedgerow									
Comments											
Interest Features – please indicate location on site map											
Veteran trees		<input checked="" type="checkbox"/>	Large hornbeams, oak, hazel			Bare ground		<input checked="" type="checkbox"/>	Lots of leaf litter		
Pollarded trees		<input checked="" type="checkbox"/>	A few			Steep slopes					
Standing/fallen dead wood		<input checked="" type="checkbox"/>	Plenty			Invasive species		<input checked="" type="checkbox"/>	Cherry laurel		
Sap runs/holes in trees		<input checked="" type="checkbox"/>	In larger trees			Public access			No		
Tussocky vegetation						Areas with frequent/prolonged flooding			Yes – entire east end –		

					inaccessible due to flooding when visited.
Abundant nectar source			Seasonally wet/damp areas		Probably
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes
 Yes but could not check eastern end because of flooding.

Brief summary of habitats and site context

A linear stand of semi-natural woodland flanking a stream, which enters Wormleybury lake at east end of site. Lots of areas planted with native/exotic shrubs and trees.

Habitat detail (including notable species)

West end a mix of oak/hornbeam with additional planting of cherry laurel/Norway spruce. Sparse understorey but several ancient woodland indicators (20 in total), including early and common dog violet, wood vetch, common wintergreen and early purple orchid. The east end is less natural with plantation structure, sparse understorey and less field layer vegetation, except where there are gaps in the canopy.

Stream – meanders with other natural features obscured to some extent by high water levels at time of survey.

This site meets the criteria of for a woodland LWS, as 20 Ancient Woodland Indicator species were recorded, providing field evidence of the advanced age of the woodland.

Non-botanical interest

HBRC has site records of bats and badger dating from the 1970s and 1980s.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Broadleaved Woodland: favourable - declining			
Secondary habitat	Plantation: favourable - declining			
Other habitat	Hedgerow: unfavourable			
Comments/Explanation of Condition				
Woodland needs thinning and control of exotic species (cherry laurel) is desirable. Hedgerow needs laying. Stream was not assessed as it was in flood at time of survey.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	But needs removal of exotics from semi-natural stand.
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	Thinning will improve structure and diversity
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland			<input checked="" type="checkbox"/>	
High Forest			<input checked="" type="checkbox"/>	
Active coppice	some standards		<input type="checkbox"/>	



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland		✓	In places
Exotics / Ornamentals		✓	Locally abundant
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	In abundance
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			Wooden shed and plastic/glass summer house behind houses at east end of site.
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other		✓	

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Thinning of woodland and control of exotic species.
Secondary Habitat	Hedge laying
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	NA
Does the site have water for stock?	NA
Is the site accessible to a vehicle?	No
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Wormleybury Icehouse Woodland 71/028/01



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Wormleybury Lake			Grid Reference T L 3 5 5 0 5 6								
Site Number/ID 71/028/03			Date 1/5/12								
Recorder(s) Mark Woods			Time on Site 2 hours								
Site Size Unknown											
Site Ownership Private											
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes		No	N/A		
Comments/Amendments											
<p>GIS map layer provided does not show clear boundary for this LWS.</p> <p>The lake margins and the woodland immediately adjacent were surveyed.</p>											
Site survey information											
Main biodiversity interest of site			<p>Species – 7 species of bat have been recorded foraging over the lake.</p> <p>Grass snakes and water voles have also been recorded.</p>								
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat			Standing water								
Secondary Habitat			Plantation mixed woodland								
Other Habitats			Running water – feeder/outlet streams								
Comments											
Lake and margins are partially surrounded by mature mixed plantation woodland. Streams are located on the south side.											
Interest Features – please indicate location on site map											
Veteran trees		✓	Very large oaks			Bare ground			✓	Extensive below yew trees	
Pollarded trees		✓				Steep slopes					
Standing/fallen dead wood		✓				Invasive species					
Sap runs/holes in trees		✓				Public access				No	

Tussocky vegetation			Areas with frequent/prolonged flooding		
Abundant nectar source			Seasonally wet/damp areas	✓	Lots of flooded areas at time of survey
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Yes although existing description is limited.

Brief summary of habitats and site context

Large ornamental lake with woodland to south and amenity grassland to north. Extent of LWS unclear from previous survey data/GIS layers.

Habitat detail (including notable species)

Lake with margins of common reed, sweet grass and yellow flag never more than 2m wide and most extensive on inlet stream and north side, which is adjacent to open, amenity managed grassland in front of large hall. Grassland has a number of indicator species for neutral grassland including common sorrel, field woodrush, hairy sedge and bird's-foot trefoil.

Lake supports white and yellow water-lily. A few common wildfowl species – mallard, coot, tufted duck and Canada goose were noted. A few alder trees on north side.

Woodland on south side is ornamental and mixed – large yews/oaks and a range of other species including sycamore, poplar, horse chestnut, alder, beech. Shrub layer of Rhododendron, bamboo species, box and holly. Extensive carpets of ramsons but bare ground under yew trees.

The site is designated as a LWS on the basis of its species interest. It cannot be confirmed whether it meets the selection criteria on the basis of this habitat survey, but the habitats appear suitable for foraging bats, grass snake and water vole. HBRC hold records of grass snake, water vole and Daubentons, Whiskered, Natterer's, Noctule, Nathusius's pipistrelle, common pipistrelle and serotine bats all from the LWS and dating from the 1970s and 1980s.

Non-botanical interest

See above

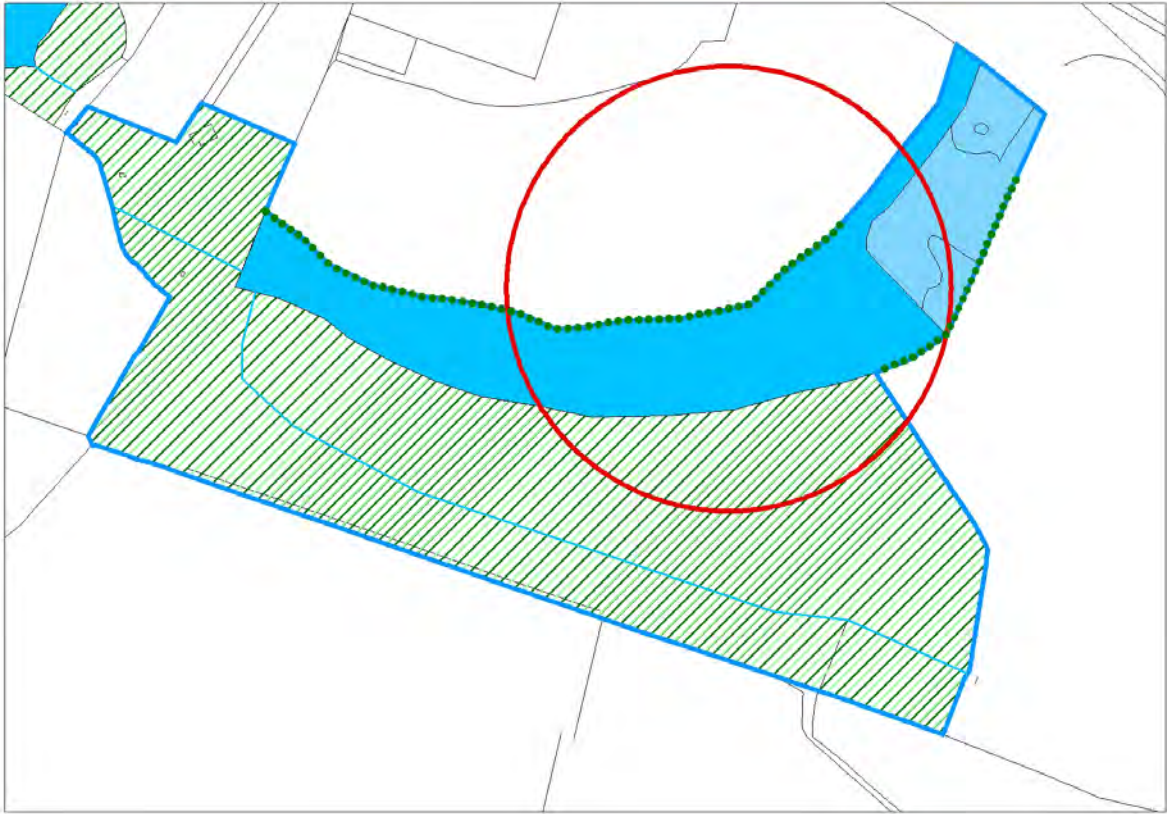
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Standing water: favourable- stable			
Secondary habitat	Plantation mixed woodland: favourable - stable			
Other habitat	Running water – streams in flood so not able to assess condition.			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	Not applicable – site is designated for species interest.
Will the current management retain the biodiversity value of the site?	Yes	✓	No	Very limited intervention.
Does the site have potential to improve with different management?	Yes		No	✓
Is further survey work required? E.g invertebrates, birds	Yes	✓	No	Bat, reptile and water vole surveys are recommended to establish whether site meets LWS species criteria.

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			Adjacent grassland is amenity managed and goose-grazed.
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland			✓	

High Forest			
Active coppice	some standards		
	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland		✓	
Exotics / Ornamentals		✓	Several species
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	Plenty of standing and fallen
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		Partially grazed by waterfowl
	Unmanaged	✓	
	Grazed	✓	
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens		✓	Rhododendron in woodland
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Amenity	
What management is recommended to maintain / improve the biodiversity of the site? No management changes recommended.	
Primary Habitat	
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	NA
Does the site have water for stock?	NA
Is the site accessible to a vehicle?	No
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Wormleybury Lake 71/028/03



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Baas Hill Common			Grid Reference T L 3 5 8 0 6 7								
Site Number/ID 72/004			Date 8/5/12								
Recorder(s) Mark Woods			Time on Site 2 hours								
Site Size		3.7 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Mosaic of broadleaved woodland and acid and neutral grassland.									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Broadleaved woodland									
Secondary Habitat		Acid grassland with scattered trees									
Other Habitats		Neutral grassland									
		Running water									
Comments Likely to have originally been wood pasture.											
Interest Features – please indicate location on site map											
Veteran trees		✓					Bare ground		✓	Below park trees.	
Pollarded trees		✓					Steep slopes				
Standing/fallen dead wood		✓					Invasive species				
Sap runs/holes in trees		✓					Public access		✓		
Tussocky vegetation		✓	Some areas of neutral grassland				Areas with frequent/prolonged flooding				

Abundant nectar source	✓		Seasonally wet/damp areas	✓	Next to stream
Varied sward height	✓	Some amenity some hay.	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Yes

Brief summary of habitats and site context

A block of land adjacent to and to the west of the A10. The centre of the site is composed of broadleaved woodland. This grades to scattered woodland and trees growing amongst acid grassland. To the west of the site, separated from the woodland by a stream, is a block of neutral grassland with broadleaved woodland along its northern margin.

Habitat detail (including notable species)

Woodland is primarily hornbeam and pedunculate oak, including some very large oaks. Probably wood pasture in the past. It has good structural diversity, with plenty of deadwood, and an understorey composed of hawthorn, blackthorn, regenerating hornbeam and oak. Field layer is sparse with many areas of bare ground. There is a willow carr near the stream, which is likely to be seasonally flooded. Here the field layer is composed of nettles. There are also some areas of recently coppiced hornbeam and cleared hawthorn scrub.

The stream is shallow, gravelly and meandering with shaded margins and a moderate flow rate.

The neutral grassland is partly amenity mown and partly hay meadow. It has a good range of grasses and a more limited range of common herbs.

The acid grassland is amenity managed and occurs with semi- and mature oaks and hornbeams. Extensive areas are shaded and bare or sparsely vegetated. Sward is short with patches of short ephemeral species indicative of disturbance.

The woodland has 14 Ancient Woodland Indicator species, the acid grassland has 7 Grassland Indicator species and the neutral grassland has 11 Grassland Indicator species. Each of these habitats would qualify alone if they were larger in extent, but taken together they meet the selection Criteria for a LWS.

Non-botanical interest

The mosaic of habitats with its diversity of species and structure is likely to be of value to breeding birds, reptiles and a range of invertebrates. Also suitable terrestrial habitat for great crested newts (there is a pond located off-site to the west and connected by suitable terrestrial habitat).

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Broadleaved woodland: favourable- stable			
Secondary habitat	Acid grassland: favourable- stable			
Other habitat	Neutral grassland: favourable- stable			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	Relax amenity mowing of acid grassland
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown		<input checked="" type="checkbox"/>	Hay cut on neutral grassland, amenity cut on acid grassland
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	
	Frequent mowing		<input checked="" type="checkbox"/>	
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%		<input checked="" type="checkbox"/>	
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees			<input checked="" type="checkbox"/>	
Other				
Woodland				
Unmanaged Woodland				
High Forest			<input checked="" type="checkbox"/>	
Active coppice	some standards		<input checked="" type="checkbox"/>	Hornbeam

	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland		✓	
Pollarded Woodland		✓	Some large pollards
Exotics / Ornamentals			
Game management			
Woodland clearing		✓	
Woodland rides		✓	
Recently planted trees		✓	
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards		Hawthorn single species
	Without standards	✓	
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Scrub control and coppicing. Amenity mowing and tree pruning on acid grassland. Hay meadow with mown paths on neutral grassland.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continue programme of coppice/scrub control.
Secondary Habitat	Acid grassland – Relax amenity mowing on acid grassland, but retain some shorter areas to maximise structural diversity and create mosaic of long and short patches.
Other Habitats	Neutral hay meadow – Harrow or carry out second cut and raking to open up sward.
Is grazing appropriate for this site? Yes – on the neutral grassland	
Is the site stockproof?	No
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Baas Hill Common 72/004



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Broxbournebury Golf Course			Grid Reference T L 3 5 4 0 6 9								
Site Number/ID 72/012			Date 8/5/12								
Recorder(s) Mark Woods			Time on Site 3 hours								
Site Size 2.3 ha											
Site Ownership notes			Private								
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	<input checked="" type="checkbox"/>	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site			Acid grassland								
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat			Acid grassland								
Secondary Habitat			Broad leaved woodland/dense scrub								
Other Habitats			Standing water								
			Amenity grassland								
			Scattered trees including many oak veterans								
Comments											
Interest Features – please indicate location on site map											
Veteran trees		<input checked="" type="checkbox"/>	Oaks			Bare ground		<input checked="" type="checkbox"/>	Below trees		
Pollarded trees		<input checked="" type="checkbox"/>				Steep slopes		<input checked="" type="checkbox"/>	Acid grassland		
Standing/fallen dead wood		<input checked="" type="checkbox"/>				Invasive species		<input checked="" type="checkbox"/>	Rhododendron in woods		
Sap runs/holes in trees		<input checked="" type="checkbox"/>				Public access					
Tussocky vegetation		<input checked="" type="checkbox"/>				Areas with frequent/prolonged flooding		<input checked="" type="checkbox"/>	On golf course		
Abundant nectar source		<input checked="" type="checkbox"/>				Seasonally wet/damp areas		<input checked="" type="checkbox"/>	On golf course		

Varied sward height	✓	Acid grassland	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Golf course with an undulating topography and a mosaic of grassland and scrub surrounding the fairways and greens. Block of woodland at southern end of site and a number of ornamental lakes.

Habitat detail (including notable species)

Mosaic of short and tussocky patches of acid grassland, patches of woodland and scrub. The acid grassland is mostly short and very species rich with a number of spring annuals such as bird's-foot and small-flowered cranesbill. Excellent example of habitat type.

Mature broad-leaved woodland at southern end of site with a few large trees and a very large veteran oak. Parkland has numerous veteran oaks.

Lakes are ornamental with narrow mixed margins. Various species of willow trees fringing 50% of shore line.

The site meets the selection criteria for a LWS based on the presence of 10 Grassland Indicator species (at least 5 are required for acid grassland to qualify).

Non-botanical interest

The mosaic of habitats provide good structural variety suitable for reptiles, great crested newts, breeding birds and a variety of invertebrates.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Acid grassland: favourable - stable			
Secondary habitat	Woodland: favourable - stable			
Other habitat	Lake: favourable - stable			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	✓	No	
Will the current management retain the biodiversity value of the site?	Yes	✓	No	
Does the site have potential to improve with different management?	Yes	✓	No	Occasional control of bramble and gorse and cutting of thistles.
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management					
Type of management/Condition			Tick Box	Details/Comments	
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep	Some rabbit grazing.	
	horse		mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown			Sward mostly short.	
	Hay cut		Silage cut		
	Frequent mowing				✓
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered			In places, but mosaic is desirable.	
	<5%				
	5-20%				✓
	>20%				
Herbicide/pesticide/fertiliser use			✓		
Planting of trees			✓		
Other					
Woodland					
Unmanaged Woodland			✓		
High Forest			✓		

Active coppice	some standards		
	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland		✓	
Pollarded Woodland			
Exotics / Ornamentals		✓	
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees		✓	
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy	✓	
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens		✓	Rhododendron
Heavy amenity use		✓	Amenity use of golf course area has not affected botanical interest of margins.
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Mixed	
What management is recommended to maintain / improve the biodiversity of the site? Maintain current cutting regimes Control bramble and gorse scrub	
Primary Habitat	
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Broxbournebury Golf Course 72/012



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Wormley Parkland			Grid Reference T L 3 6 2 0 5 4								
Site Number/ID 72/041			Date 8/5/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		19.3 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Scattered broadleaved woodland									
Other Habitats		<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table>									
Comments Parkland											
Interest Features – please indicate location on site map											
Veteran trees	✓	Near-veteran	Bare ground				✓	Limited under trees			
Pollarded trees	✓		Steep slopes								
Standing/fallen dead wood	✓		Invasive species								
Sap runs/holes in trees	✓		Public access								
Tussocky vegetation	✓		Areas with frequent/prolonged flooding								
Abundant nectar			Seasonally wet/damp								

source			areas		
Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	Frequent	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*
 Yes

Brief summary of habitats and site context
 Parkland – groves of mixed broadleaved woodland trees within tussocky neutral grassland with frequent anthills.

Habitat detail (including notable species)
 Grassland contains a variety of grasses, including sweet vernal grass, red fescue and cock’s foot and a more limited herb content. Structure is tussocky and thatch is extensive in places. Numerous trees of various species and ages, growing in groves and standing alone within the grassland.

Although the number of Grassland Indicator species present (7) falls just below the threshold for neutral grassland, there are a sufficient number of mature parkland trees (at least 15 are required to qualify) to justify selection as a LWS for its parkland habitat in addition to the grassland interest.

Non-botanical interest
 Many of the trees have rot holes suitable for supporting roosting bats.
 Numerous mature trees, deadwood and mature grassland provide potential habitat for a variety of invertebrates.
 Trees provide habitat for breeding birds.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable-stable			
Secondary habitat	Scattered broadleaved woodland: favourable-stable			
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	A reduction in stock numbers.
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management					
Type of management/Condition			Tick Box	Details/Comments	
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep	<input checked="" type="checkbox"/>	Possibly too many if grazing period is extended beyond 6-8 weeks.
	horse		mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown				
	Hay cut		Silage cut		
	Frequent mowing				
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered				
	<5%				
	5-20%				
	>20%				
Herbicide/pesticide/fertiliser use					
Planting of trees			<input checked="" type="checkbox"/>	Some	
Other					
Woodland					
Unmanaged Woodland					
High Forest					
Active coppice	some standards				
	no standards				



































Abandoned coppice			
Managed wood pasture/parkland		✓	Sheep-grazed parkland
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Sheep grazing	
What management is recommended to maintain / improve the biodiversity of the site? .	
Primary Habitat	A reduction in the number of animals and grazing period may improve the sward diversity.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Wormley Parkland 72/041



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010							
Site Name Top Field and Cozens Grove		Grid Reference T L 3 6 0 0 6 6					
Site Number/ID 72/050		Date 8/5/12					
Recorder(s) Mark Woods		Time on Site 1.5 hours					
Site Size	5.9 ha						
Site Ownership notes	Local Authority						
Boundary of LWS							
Is the boundary shown on the map correct/sensible?					Yes	✓	No
Comments/Amendments							
Site survey information							
Main biodiversity interest of site		Neutral grassland					
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)							
Primary habitat		Neutral grassland					
Secondary Habitat		Broadleaved woodland					
Other Habitats		Running water					
		Species-poor hedge with trees, dense scrub, tall ruderal					
Comments							
Interest Features – please indicate location on site map							
Veteran trees	✓	Near-veteran oak in wood	Bare ground	✓	Extensive in woodland		
Pollarded trees	✓	Woodland edge hornbeams	Steep slopes				
Standing/fallen dead wood	✓		Invasive species				
Sap runs/holes in trees	✓		Public access	✓			
Tussocky vegetation	✓	On edge of field	Areas with frequent/prolonged flooding				

Abundant nectar source			Seasonally wet/damp areas	✓	Around stream – south boundary
Varied sward height	✓	Some shorter sward paths in grassland	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Neutral grassland with a block of broad-leaved woodland in the south-east corner. Scattered copses and individual trees within the grassland. Stream along southern boundary. New hedge planted on western boundary. Tall herbs and scrub along north boundary. East boundary is hawthorn hedge.

Habitat detail (including notable species)

The neutral grassland is a haymeadow with amenity paths cut into the sward. Fairly short sward at time of survey. Limited proportion of herbs but enough (13) to comfortably meet LWS selection criteria. No thatch, occasional bare ground provided by molehills.

Woodland is a heavily shaded uniform canopy of hornbeam and oak, with hornbeam regeneration. The periphery has been planted with a variety of broadleaved trees within the last 15 years.

The north and west boundaries of the site are composed of tall herb, bramble and scattered scrub and trees. New hedge along western edge. Hedge along eastern side is composed of hawthorn and oak with an uncut grass boundary to 3m. A line of scattered trees along stream on southern boundary.

The site meets the selection criteria for a neutral grassland LWS, having 13 Grassland Indicator species (at least 8 are required for neutral grassland to qualify).

Non-botanical interest

Trees provide nesting habitat for breeding birds.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable - stable			
Secondary habitat	Broadleaved woodland – unfavourable - stable			
Other habitat				
Comments/Explanation of Condition Woodland requires pollarding/thinning to open up canopy.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	Grassland – yes Woodland – no
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	Woodland management
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%		<input checked="" type="checkbox"/>	
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees		<input checked="" type="checkbox"/>		
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		
High Forest				
Active coppice	some standards			
	no standards			



































Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland		✓	
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees		✓	
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards	✓	New hedge planting
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			Heavily used by dog walkers
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Mowing of grassland, hedgerow trimming and hedge planting.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continued mowing
Secondary Habitat	Introduction of woodland thinning
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Top Field and Cozens Grove 72/050



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Halstead Hill Pond			Grid Reference T L 3 3 5 0 2 1								
Site Number/ID 80/001			Date 2/5/12								
Recorder(s) Mark Woods			Time on Site 20 minutes								
Site Size		Unknown									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes		No	N/A		
Comments/Amendments Boundary of LWS unclear from GIS layer provided. Pond and immediate surrounding habitat was surveyed.											
Site survey information											
Main biodiversity interest of site		Species - amphibians									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Standing water									
Secondary Habitat		Broadleaved woodland									
Other Habitats											
Comments		Pond dry at time of survey									
Interest Features – please indicate location on site map											
Veteran trees					Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood					Invasive species						
Sap runs/holes in trees					Public access						
Tussocky vegetation					Areas with frequent/prolonged flooding						
Abundant nectar					Seasonally wet/damp						

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

No existing site description.

Brief summary of habitats and site context

Roadside pond enclosed by scrubby secondary woodland. Pond was dry during survey with lots of large logs in base of pond and area is heavily shaded by poplars. There were no traces of aquatic macrophytes. Pond has apparently been dry for some time and now appears as just a hollow in the woodland.

Habitat detail (including notable species)

See below

Non-botanical interest

HBRC hold records for common toad (1988), common frog (1988), great crested newt (1998) and smooth newt (1998).

On the basis of the current survey the site does not meet the selection criteria for a LWS: Whilst dry, the site could not support a breeding population of great crested or palmate newts; there are no records of palmate newts within the last 5 years and the site does not apparently have good populations of at least 3 native amphibian species.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Standing water: unfavourable			
Secondary habitat	Secondary woodland: favourable - stable			
Other habitat				
Comments/Explanation of Condition No water in pond, apparently for quite some time.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			
	no standards			

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged	✓	
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			Some hard-core/rubble has been dumped in pond some years ago.
Heavy amenity use			
Heavily disturbed			
Dumping impact		✓	
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site? Unlikely to be of benefit	
Primary Habitat	
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Not applicable	
Is the site stockproof?	Not applicable
Does the site have water for stock?	Not applicable
Is the site accessible to a vehicle?	No
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Halstead Hill Pond 80/001



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Lucas End Meadows East			Grid Reference T L 3 2 4 0 4 0								
Site Number/ID 80-002			Date 30/5/12								
Recorder(s) Mark Woods			Time on Site 10 minutes								
Site Size		2.5 ha									
Site Ownership notes		Private									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments But see below (Site description)											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland (amenity)									
Secondary Habitat		Standing water									
Other Habitats		<table border="1" style="width: 100%; height: 40px;"> <tr><td> </td></tr> </table>									
Comments											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground							
Pollarded trees				Steep slopes							
Standing/fallen dead wood				Invasive species							
Sap runs/holes in trees				Public access							
Tussocky vegetation				Areas with frequent/ prolonged flooding							
Abundant nectar source				Seasonally wet/damp areas							

Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*
 No. This is now amenity- managed grassland which appears to be cut on a regular basis (indicated by very little of evidence of herbs in the short sward). A pond has been created in the field and part of the site is a garden. There is no longer a hedge along the eastern boundary.

Brief summary of habitats and site context

See above

Habitat detail (including notable species)

Amenity grassland mown extremely short - too short to draw up a realistic species list, but little evidence of herbs in sward. Pond very turgid with lots of wildfowl – no species present of ecological interest.

Given the intense management of this site, the lack of herb interest in the sward and presence of gardens and amenity pond, and loss of hedge, it is considered that the LWS status is reviewed. It is recommended that a further survey is carried out, with prior arrangement with the owner, when the sward is longer to confirm whether or not the site still meets the LWS selection criteria for neutral grassland.

Non-botanical interest

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable - declining			
Secondary habitat				
Other habitat				
Comments/Explanation of Condition Amenity management of grassland.				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	✓
Will the current management retain the biodiversity value of the site?	Yes		No	✓
Does the site have potential to improve with different management?	Yes		No	✓ Unlikely in short term.
Is further survey work required? E.g invertebrates, birds	Yes	✓	No	Re-survey when sward is longer.

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing		✓	
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			
	no standards			
Abandoned coppice				

Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		Frequent cutting of grassland surrounding pond.
	Unmanaged		
	Grazed		
	Cut	✓	
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Amenity	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Hay meadow or low intensity grazing of the grassland may improve the diversity of the grassland, but improvement is unlikely to occur in the short term.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes – was pasture originally	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Lucas End Meadows East 80/002



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name South Lodge Pasture (Albury Fields)			Grid Reference								
			T	L	3	3	7	0	2		
Site Number/ID 80/004			Date 9/5/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		6.4 ha									
Site Ownership notes		Private									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Species –rich hedgerow with trees									
Other Habitats		Dense scrub									
		Running water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground		✓	Patches at feeding stations.				
Pollarded trees				Steep slopes							
Standing/fallen dead wood		✓			Invasive species						
Sap runs/holes in trees				Public access		No					
Tussocky		✓			Areas with frequent/						

vegetation			prolonged flooding		
Abundant nectar source			Seasonally wet/damp areas	✓	
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes
 No – some changes since 2004 survey. Fence along steam has been re-instated and there is no sign of ragged robin or monkey flower, although they may become evident later in the season.

Brief summary of habitats and site context

Damp to marshy neutral grassland with scattered scrub and trees. Gappy boundary hedges. A shallow narrow stream runs along the southern boundary.

Habitat detail (including notable species)

Neutral grassland is diverse with a good range of herbs including fleabane, yarrow and agrimony. Sward has long and short areas and soil moisture varies giving a good overall variation in structure and content.

Hedges are large but not stockproof. There is some variation in structure and a wide diversity of species in the margins.

The site qualifies as a neutral grassland LWS, having 17 Grassland Indicator species (at least 8 are required to meet the criteria for this habitat).

Non- botanical interest

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable -stable.			
Secondary habitat	Species-rich hedge with trees: unfavourable - stable			
Other habitat	Dense scrub/running water: unfavourable - recovering.			
Comments/Explanation of Condition				
Marshy stream now fenced off, and is developing good range of vegetation. Field grazed at about the right level (5 horses present when surveyed).				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	Scrub control
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	5 horses
	horse	<input checked="" type="checkbox"/>	mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			
	no standards			

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	Scrubby outgrowths
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off	✓	Running water
	Unmanaged	✓	
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site? Continue grazing at present rate.	
Primary Habitat	Adjacent fields are open for the horses to graze so there is an extensive area available. Grazing density and duration seems to be about right.
Secondary Habitat	Hedge laying
Other Habitats	Maintain fence. Consider scrub control around marshy area.
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Unknown
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of South Lodge Pasture (Albury Fields) 80/004



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Cheshunt Park Farm Meadow			Grid Reference T L 3 4 4 0 4 2								
Site Number/ID 80/005			Date 29/5/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		3.6 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	<input checked="" type="checkbox"/>	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Acid/neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Acid/neutral grassland									
Secondary Habitat		Hedgerows									
Other Habitats		Plantation broadleaved woodland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	<input checked="" type="checkbox"/>	In wood	Bare ground								
Pollarded trees	<input checked="" type="checkbox"/>	In wood	Steep slopes								
Standing/fallen dead wood	<input checked="" type="checkbox"/>	Hedges and wood	Invasive species								
Sap runs/holes in trees	<input checked="" type="checkbox"/>	In wood	Public access			<input checked="" type="checkbox"/>					
Tussocky vegetation	<input checked="" type="checkbox"/>	Throughout grassland	Areas with frequent/prolonged flooding								
Abundant nectar source			Seasonally wet/damp areas			<input checked="" type="checkbox"/>	Small patches in grassland				

Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	Few	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Acid/neutral grassland bounded by hedgerows with a band of woodland along eastern boundary, and running into centre of site.

Habitat detail (including notable species)

Sward is composed primarily of red fescue and common bent with a tussocky structure and a dense thatch layer. Herbs are generally sparse. Field wood-rush is abundant. The species mixture suggests fairly acid, damp soils but drainage is not impeded except in a few localised spots.

Hedges are generally large and scrubby but not stock-proof. Woodland is mature broadleaved plantation with a diverse mix of native and non-native species.

This site qualifies as an acid/neutral grassland LWS on the basis that 14 Grassland Indicator species are present (at least 8 are required for neutral grassland and 5 for acid grassland).

Non-botanical interest

Good habitat for nesting birds, reptiles.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Grassland: favourable – declining			
Secondary habitat	Hedges and woodland: favourable – stable.			
Other habitat				
Comments/Explanation of Condition Build-up of dense thatch needs addressing in grassland.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input checked="" type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees		<input checked="" type="checkbox"/>	On periphery	
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards	✓	
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Hay cut	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Aftermath grazing, or follow hay cut with chain harrowing to break up dense thatch and open up the sward.
Secondary Habitat	Trim hedges
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Cheshunt Park Farm Meadow 80/005



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Roundcroft Wood and Smarts Green			Grid Reference								
			T	L	3	4	3	0	4		
Site Number/ID 80/008			Date 30/04/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		2.8 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Broadleaved woodland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Broadleaved woodland									
Secondary Habitat		Running water									
Other Habitats		Standing water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	✓						Bare ground	✓	Leaf litter		
Pollarded trees	✓						Steep slopes	✓			
Standing/fallen dead wood	✓						Invasive species	✓	Sycamore		
Sap runs/holes in trees	✓						Public access	✓			
Tussocky vegetation							Areas with frequent/prolonged flooding	✓			
Abundant nectar							Seasonally wet/damp	✓			

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes
Yes.

Brief summary of habitats and site context

Oak and hornbeam woodland with stream running through it. Hammonds Street lies to the south and pasture surrounds on all other sides.

Habitat detail (including notable species)

Pedunculate oak/ hornbeam woodland – description as that in ‘Wildlife Sites Report from HRBC (included below):

“Oak with Hornbeam coppice is present in the north and west, while Pedunculate Oak and Hornbeam standards dominate in the east and south with a frequent shrub layer of Holly (Ilex aquifolium) with some Hawthorn (Crataegus monogyna), Elder (Sambucus nigra). Sycamore (Acer pseudoplatanus) is frequent, particularly to the south and centre and there is some old planting of Sweet Chestnut (Castanea sativa) and Common Lime (Tilia x europaea) to the east edge and English Elm (Ulmus procera) scrub in the north-east corner. The ground flora is dominated by Bracken (Pteridium aquilinum) and Bramble (Rubus fruticosus agg.) but is quite diverse and supports several woodland indicators including Wood Melick (Melica uniflora), Pignut (Conopodium majus), Bugle (Ajuga reptans), Wood Meadow-grass (Poa nemoralis), Wood Millet (Miliun effusum), Bluebell (Hyacinthoides non-scripta) and Common Dog-violet (Viola riviniana). Some Remote Sedge (Carex remota) occurs along a small stream, which arises from a spring within the wood. Some remnant old boundary banks with laid Hornbeam stubs are present”.

There has recently been extensive sycamore control – these areas now colonised by bramble and bracken. There are also 1 shaded pond within the woodland.

As an Ancient Woodland with 20 indicator species, this site meets the LWS criteria.

Non-botanical interest

Structure of woodland, and trees with rot holes provide bird nesting habitat. Rot holes could also potentially support roosting bats.

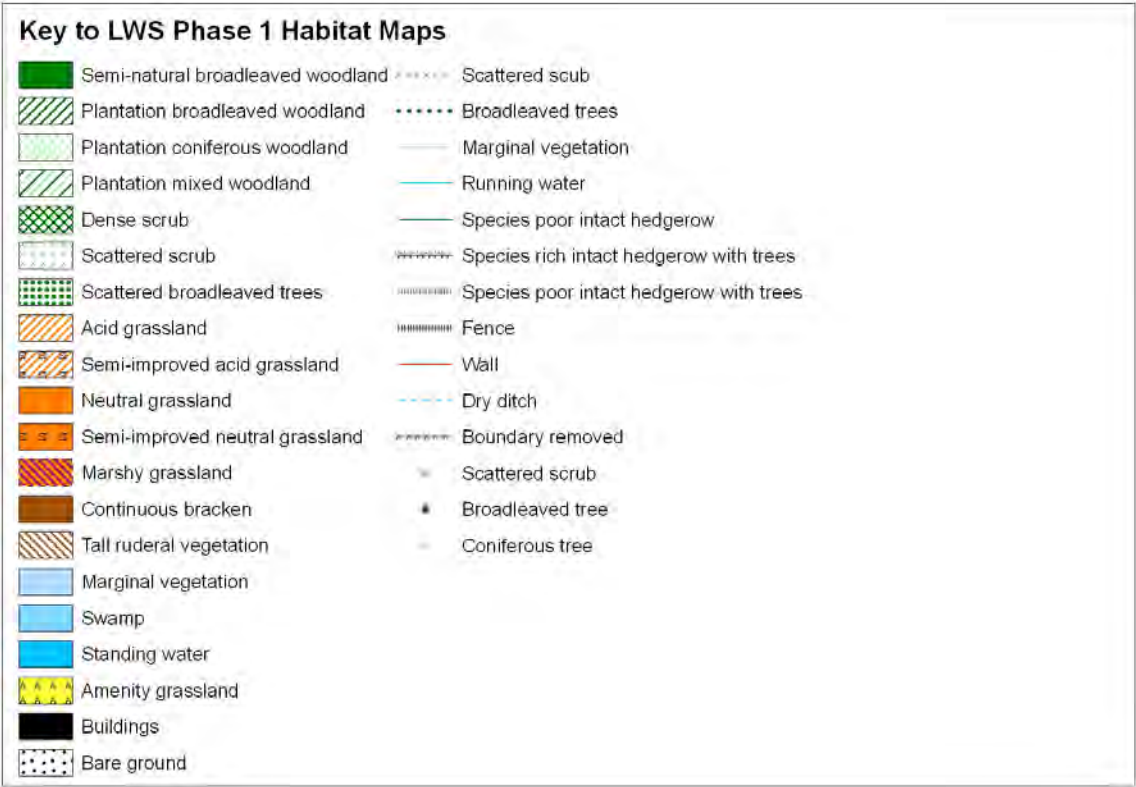
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Broadleaved woodland: favourable- stable			
Secondary habitat	Running water: unfavourable – declining			
Other habitat	Standing water: favourable – stable			
Comments/Explanation of Condition Stream is classed as 'unfavourable' based on water quality. From the smell it would seem that leakage from a septic tank is entering the stream.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland	<input checked="" type="checkbox"/>	Very old pedunculate oak standards.		
High Forest				
Active coppice	some standards			
	no standards			


Abandoned coppice	✓	Hornbeam
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood		
Other		
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		Other than occasional desire line, very little evidence of abuse in woodland.
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Reinstate coppice of hornbeam. Sycamore control
Secondary Habitat	Fix leak from septic tank in adjacent property.
Other Habitats	Reduce shading around pond.
Is grazing appropriate for this site? No	
Is the site stockproof?	NA
Does the site have water for stock?	NA
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Roundcroft Wood and Smarts 80/008



LWS Field Survey Form

LWS Field Survey Form 2010							
Site Name Temple Bar Meadow		Grid Reference T L 3 4 4 0 1 1					
Site Number/ID 80/012		Date 28/5/12					
Recorder(s) Mark Woods		Time on Site 1.5 hours					
Site Size	2.3 ha						
Site Ownership notes	Private						
Boundary of LWS							
Is the boundary shown on the map correct/sensible?					Yes	✓	No
Comments/Amendments							
Site survey information							
Main biodiversity interest of site		Neutral grassland but woodland area is more extensive.					
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)							
Primary habitat		Broadleaved woodland					
Secondary Habitat		Neutral grassland					
Other Habitats		Dense scrub					
		Running water					
Comments							
Interest Features – please indicate location on site map							
Veteran trees	✓	Near-veteran oak, sycamore and alders	Bare ground	✓	Abundant below canopy		
Pollarded trees	✓	A few	Steep slopes				
Standing/fallen dead wood	✓		Invasive species	✓	Rhododendron		
Sap runs/holes in trees	✓		Public access				
Tussocky vegetation	✓	A small amount in grassland	Areas with frequent/prolonged flooding	✓	Streams and ditches		

Abundant nectar source			Seasonally wet/damp areas	✓	Grassland is damp
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Existing descriptions are accurate for what remains of the grassland but much has been lost to scrub/woodland encroachment.

Brief summary of habitats and site context

Area of neutral grassland completely surrounded by broadleaved woodland, which is encroaching on the grassland area. Streams/ditches bound the eastern and southern edges of the site. The neutral grassland is damp and weedy and has a short rabbit-grazed sward. Broadleaved woodland is secondary except for a few patches by the stream.

Habitat detail (including notable species)

In the neutral grassland the main species are red fescue, common bent, creeping bent, hairy sedge, Yorkshire fog, sweet vernal grass, smooth meadow grass, lesser stitchwort, creeping buttercup, agrimony and selfheal. Rush species are locally frequent. Heavily infested with creeping thistle and bramble seedlings. The woodland is composed of many large trees. Oak and sycamore dominate the drier areas, with alder in the wetter areas. Regeneration is limited due to heavy shade and there are extensive areas of bare ground. Some ancient woodland indicator species have colonised from the adjacent Broom Hills LWS. The presence of a number of apple trees suggest that part of the site may have been an orchard at some time.

The site meets the criteria for a neutral grassland LWS with 14 Indicator species (at least 8 are required).

Non-botanical interest

Numerous birds including garden warbler and blackcap.
Grizzled skipper butterfly noted.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Broadleaved woodland: unfavourable – stable			
Secondary habitat	Neutral grassland: unfavourable - stable			
Other habitat				
Comments/Explanation of Condition				
Woodland – too many non-natives and heavy shade and poor structure is limiting diversity.				
Grassland –scrub and weed invasion.				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	✓
Will the current management retain the biodiversity value of the site?	Yes		No	✓
Does the site have potential to improve with different management?	Yes	✓	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	Rabbit grazing
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			Bramble, rose , hawthorn, young trees.
	<5%			
	5-20%			
	>20%		✓	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland			✓	
High Forest			✓	Secondary
Active coppice	some standards			
	no standards			

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland		✓	
Pollarded Woodland			
Exotics / Ornamentals		✓	Rhododendron, horse chestnut
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	Plenty fallen and standing.
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Tree thinning and pollarding. Control of exotic species.
Secondary Habitat	Scrub control and weed control.
Other Habitats	
Is grazing appropriate for this site? Yes – grassland area	
Is the site stockproof?	No
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Grazing rabbits are able to maintain what is left of the grassland. Scrub probably colonized when the rabbit populations declined in the past.	


Phase 1 Habitat Map of Temple Bar Meadow 80/012



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010										
Site Name Poyndon Farm Grassland		Grid Reference								
		T	L	3	2	4		0	2	7
Site Number/ID 80/020		Date 28/5/12								
Recorder(s) Mark Woods		Time on Site 1.5 hours								
Site Size	3.7 ha									
Site Ownership notes	Private									
Boundary of LWS										
Is the boundary shown on the map correct/sensible?					Yes	✓	No			
Comments/Amendments										
Site survey information										
Main biodiversity interest of site	Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)										
Primary habitat	Neutral grassland									
Secondary Habitat	Broadleaved woodland									
Other Habitats	Hedge with trees									
	Running water									
Comments										
Interest Features – please indicate location on site map										
Veteran trees	✓	On edge of field.	Bare ground	✓	2 fire sites					
Pollarded trees	✓	On edge of field	Steep slopes							
Standing/fallen dead wood	✓	On boundary	Invasive species	✓	Himalayan balsam					
Sap runs/holes in trees	✓		Public access							
Tussocky vegetation	✓		Areas with frequent/prolonged flooding							
Abundant nectar	✓		Seasonally wet/damp	✓	Possibly in					

source			areas		grassland
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		
Site Description					
<p>If there is an existing site description is it still accurate? Please outline significant changes Yes – similar to 2012 Wildlife Sites Report provided by HBRC</p>					
<p>Brief summary of habitats and site context Neutral grassland field bounded by broadleaved woodland to the west and a hedge to the east. Grassland is lightly grazed with disturbed areas on slopes next to stream. Woodland is unmanaged and mixed broadleaved.</p>					
<p>Habitat detail (including notable species) Grassland has a varied sward – generally tall with a few shorter areas. Much more weedy around the edges with nettle and dock species. NVC community types MG5, MG1, MG6 and MG10 all present. Abundant red fescue, common knapweed and meadow buttercup. Good range of common grasses and herbs. Very little thatch and a wide variation in structure.</p> <p>Broadleaved woodland (pedunculate oak, ash and hornbeam) is mature with a near-continuous canopy leading to extensive patches of bare ground and a sparse shrub layer. A few Ancient Woodland Indicator species including wood sedge, pendulous sedge, bugle and greater stitchwort.</p> <p>The site qualifies as a neutral grassland LWS, having 19 recorded Indicator Species (at least 8 required).</p>					
<p>Non-botanical interest Potential for nesting birds in woodland and hedges. 4 large mature oaks in field have roosting potential for bats.</p>					

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – stable			
Secondary habitat	Woodland: favourable – stable			
Other habitat	Hedgerows: favourable - stable			
Comments/Explanation of Condition Some weedy areas but this is a very localised problem.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes		No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	2 horses
	horse	<input checked="" type="checkbox"/>	mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%		<input checked="" type="checkbox"/>	
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		
High Forest		<input checked="" type="checkbox"/>		
Active coppice	some standards			



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards	✓	
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			2 large bonfire sites
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other		✓	

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	No change required.
Secondary Habitat	No management of woodland required.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Survey of Poyndon Farm Grassland 80/020



Key to LWS Phase 1 Habitat Maps

 Semi-natural broadleaved woodland	 Scattered scrub
 Plantation broadleaved woodland	 Broadleaved trees
 Plantation coniferous woodland	 Marginal vegetation
 Plantation mixed woodland	 Running water
 Dense scrub	 Species poor intact hedgerow
 Scattered scrub	 Species rich intact hedgerow with trees
 Scattered broadleaved trees	 Species poor intact hedgerow with trees
 Acid grassland	 Fence
 Semi-improved acid grassland	 Wall
 Neutral grassland	 Dry ditch
 Semi-improved neutral grassland	 Boundary removed
 Marshy grassland	 Scattered scrub
 Continuous bracken	 Broadleaved tree
 Tall ruderal vegetation	 Coniferous tree
 Marginal vegetation	
 Swamp	
 Standing water	
 Amenity grassland	
 Buildings	
 Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow by Forest View			Grid Reference T L 3 1 7 0 4 3								
Site Number/ID 80/026			Date 28/5/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		1.2 ha									
Site Ownership notes		Private – house on north side of site.									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Broadleaved woodland									
Other Habitats											
Other Habitats											
Other Habitats											
Comments											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood		✓				Invasive species					
Sap runs/holes in trees					Public access						
Tussocky vegetation		✓				Areas with frequent/prolonged flooding					
Abundant nectar source		✓				Seasonally wet/damp areas		✓	Small patches in grassland		

Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes but much more scrub/woodland in northeast corner than previously mapped (1985 survey)

Brief summary of habitats and site context

Neutral grassland with dense scrub/broadleaved woodland at the eastern end and dominating the northeast corner of the site.

Habitat detail (including notable species)

Neutral grassland is fairly standard NVC type MG5 with abundant smooth meadow grass, Yorkshire fog, sweet vernal-grass, meadow foxtail, common knapweed and red fescue. Fairly uniform but with greater interest in wetter areas where bugle, glaucous sedge, lesser stitchwort and compact rush were noted. Ragged robin, noted in previous survey was not found. No evidence of grazing stock – likely to be managed as a haymeadow. Broad leaved woodland is immature and has spread from hedgerows. Includes hawthorn, blackthorn, pedunculate oak, roses, and bramble.

The site qualifies as a neutral grassland LWS on the basis of the presence of 14 Indicator Species (at least 8 required).

Non-botanical interest

Nesting bird habitat

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – declining			
Secondary habitat	Broadleaved woodland: favourable - stable			
Other habitat				
Comments/Explanation of Condition May be drying out if ragged robin no longer present				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	But if drying out – some interest will be lost.
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	If wetter.
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input checked="" type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		
High Forest		<input checked="" type="checkbox"/>		
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	



































Abandoned coppice		
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood	✓	
Other	✓	
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? Hay meadow	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continue with current management.
Secondary Habitat	Prevent further scrub development in southeast corner.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	No
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Meadow by Forest View 80/026



Key to LWS Phase 1 Habitat Maps

 Semi-natural broadleaved woodland	 Scattered scrub
 Plantation broadleaved woodland	 Broadleaved trees
 Plantation coniferous woodland	 Marginal vegetation
 Plantation mixed woodland	 Running water
 Dense scrub	 Species poor intact hedgerow
 Scattered scrub	 Species rich intact hedgerow with trees
 Scattered broadleaved trees	 Species poor intact hedgerow with trees
 Acid grassland	 Fence
 Semi-improved acid grassland	 Wall
 Neutral grassland	 Dry ditch
 Semi-improved neutral grassland	 Boundary removed
 Marshy grassland	 Scattered scrub
 Continuous bracken	 Broadleaved tree
 Tall ruderal vegetation	 Coniferous tree
 Marginal vegetation	
 Swamp	
 Standing water	
 Amenity grassland	
 Buildings	
 Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow N of High View Farm			Grid Reference T L 3 2 5 0 4 2								
Site Number/ID 80/027			Date 30/5/12								
Recorder(s) Mark Woods			Time on Site 1.25 hours								
Site Size		1.17 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Hedgerows (species-rich and species-poor)									
Other Habitats		Broadleaved woodland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood					Invasive species						
Sap runs/holes in trees					Public access						
Tussocky vegetation					Areas with frequent/prolonged flooding						
Abundant nectar source		✓			Seasonally wet/damp areas						

Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Neutral grassland pasture bounded by overgrown hedges with scrubby outgrowths. Strip of broadleaved woodland along southern boundary.

Habitat detail (including notable species)

Typical NVC MG5 neutral grassland, but with extremely large quantities of ox-eye daisy. Very high ratio of herbs to grasses. Frequent common knapweed, meadow buttercup and red clover. Sweet vernal grass, crested dog's-tail, Yorkshire fog, cock's-foot and meadow fescue are occasional to locally frequent. Sward height is approximately 40cm. There is no thatch and site is very lightly grazed. Overgrown hedges have a very good variation in structure.

This site meets the criteria for a neutral grassland LWS with 17 species recorded (at least 8 are required).

Non-botanical interest

Site has potential to support breeding birds and reptiles.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – declining			
Secondary habitat	Hedgerows: favourable - stable			
Other habitat	Broadleaved woodland: favourable - stable			
Comments/Explanation of Condition Scrub encroachment from northern boundary needs to be controlled to prevent further loss of grassland.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	But scrub control required.
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management					
Type of management/Condition	Tick Box		Details/Comments		
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep	Lightly grazed.	
	horse	<input checked="" type="checkbox"/>	mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown				
	Hay cut		Silage cut		
	Frequent mowing				
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered		<input type="checkbox"/>	Localised blackthorn and bramble.	
	<5%				
	5-20%				<input checked="" type="checkbox"/>
	>20%				
Herbicide/pesticide/fertiliser use					
Planting of trees					
Other					
Woodland					
Unmanaged Woodland		<input checked="" type="checkbox"/>			
High Forest					
Active coppice	some standards		<input type="checkbox"/>		
	no standards				



































Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Scrub control.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Meadow N of High View Farm 80/027



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow NE of High View Farm			Grid Reference T L 3 2 4 0 4 2								
Site Number/ID 80/028			Date 30/5/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		1.61 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Hedgerows with trees (species-rich and species-poor)									
Other Habitats		Broadleaved woodland along southern boundary									
Comments											
Interest Features – please indicate location on site map											
Veteran trees						Bare ground					
Pollarded trees						Steep slopes					
Standing/fallen dead wood						Invasive species					
Sap runs/holes in trees						Public access			✓	PROW across field	
Tussocky vegetation						Areas with frequent/ prolonged flooding					
Abundant nectar source						Seasonally wet/damp areas					

Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Neutral grassland pasture bounded by hedgerows that are encroaching slightly on to field. Strip of broadleaved woodland along southern edge.

Habitat detail (including notable species)

Good example of NVC MG5 neutral grassland with a very high ratio of herbs to grasses. Sward height was 30-50cm when surveyed. Common knapweed abundant, grasses such as sweet vernal grass and crested dog's-tail never more than locally frequent. Meadow buttercup and red clover frequent. No thatch. Very lightly horse grazed. Some scrub encroachment from adjacent woodland and scrubby hedgerows. Boundaries contribute to the ecological interest – diverse range of species. Woodland strip has good varied structure but not a very diverse range of herbs.

This site meets the criteria for a neutral grassland LWS with 18 Indicator Species recorded (at least 8 are required).

Non-botanical interest

Good bird breeding, reptile and invertebrate habitat.

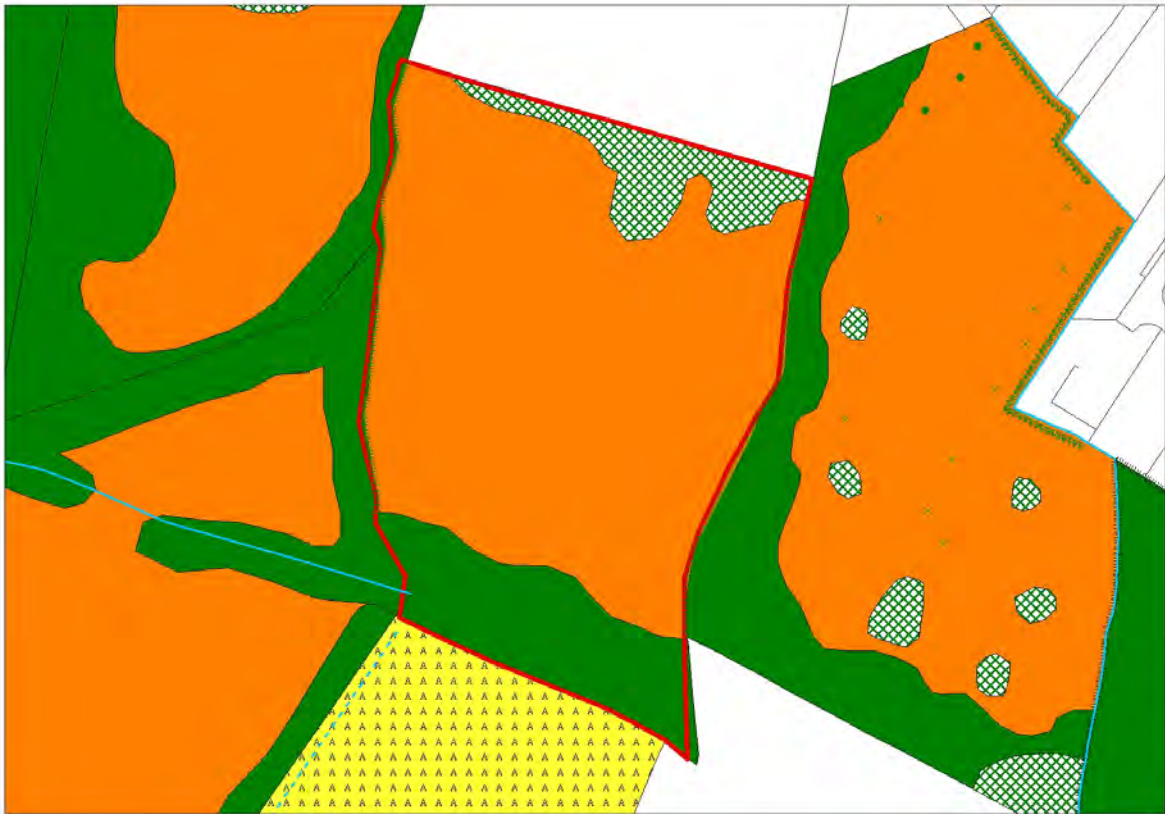
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable - stable			
Secondary habitat	Hedgerows: favourable - stable			
Other habitat	Broadleaved woodland: favourable - stable			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes		No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management					
Type of management/Condition	Tick Box		Details/Comments		
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep	Very light grazing.	
	horse	<input checked="" type="checkbox"/>	mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown				
	Hay cut		Silage cut		
	Frequent mowing				
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered			May need controlling in future years.	
	<5%				
	5-20%				<input checked="" type="checkbox"/>
	>20%				
Herbicide/pesticide/fertiliser use					
Planting of trees					
Other					
Woodland					
Unmanaged Woodland		<input checked="" type="checkbox"/>	Along southern edge.		
High Forest					
Active coppice	some standards				
	no standards				

Abandoned coppice		
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood		
Other		
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	No change.
Secondary Habitat	Current extent of scrub is acceptable and should be retained as it adds to diversity of site, but future control may be necessary to ensure that further encroachment does not occur.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Meadow NE of High View Farm 80/028



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010							
Site Name Hammond Street Meadow		Grid Reference					
		T	L	3	2	6 0 4 2	
Site Number/ID 80/029		Date 12/6/12					
Recorder(s) Mark Woods		Time on Site 1 hour					
Site Size	1.8 ha						
Site Ownership notes	Private						
Boundary of LWS							
Is the boundary shown on the map correct/sensible?					Yes	✓	No
Comments/Amendments							
Site survey information							
Main biodiversity interest of site		Neutral grassland					
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)							
Primary habitat		Neutral grassland					
Secondary Habitat		Broadleaved woodland/dense scrub					
Other Habitats		Running water					
		Hedgerows					
Comments							
Interest Features – please indicate location on site map							
Veteran trees			Bare ground		✓	Small patches	
Pollarded trees	✓	Coppiced willow	Steep slopes				
Standing/fallen dead wood	✓	In hedges and woodland	Invasive species		✓	Himalayan balsam along stream	
Sap runs/holes in trees	✓		Public access		✓	PROW	
Tussocky vegetation	✓		Areas with frequent/prolonged flooding				
Abundant nectar			Seasonally wet/damp		✓	Flushed areas	

source			areas		
Varied sward height	✓	Some less grazed areas	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		
Site Description					
<p>If there is an existing site description is it still accurate? <i>Please outline significant changes</i> Yes</p>					
<p><i>Brief summary of habitats and site context</i> Neutral grassland bounded by broadleaved woodland/dense scrub to south and west and hedgerows to north east.</p>					
<p><i>Habitat detail (including notable species)</i> Neutral grassland is fairly good example of NVC type MG5 grassland. Good variety of grasses including crested dog's-tail, red fescue, creeping bent, meadow foxtail. Some agricultural improvement has occurred as ryegrass is locally frequent. Fairly short tight sward with an average height of 20cm. Typical herbs are common knapweed, ox-eye daisy, bird's-foot trefoil and meadow buttercup. Hedges are not continuous and scrub includes some fairly large boundary trees (ash). To the south and west is scrubby woodland with glades of tall herbs/grassland – this spreads out into field to form patches of scrub. Several shrubs/trees in fields including hawthorn, apple and dog rose.</p> <p>This sites meets the criteria for a neutral grassland LWS with 11 Indicator Species recorded (at least 8 required).</p>					
<p><i>Non-botanical interest</i> Nesting bird habitat.</p>					

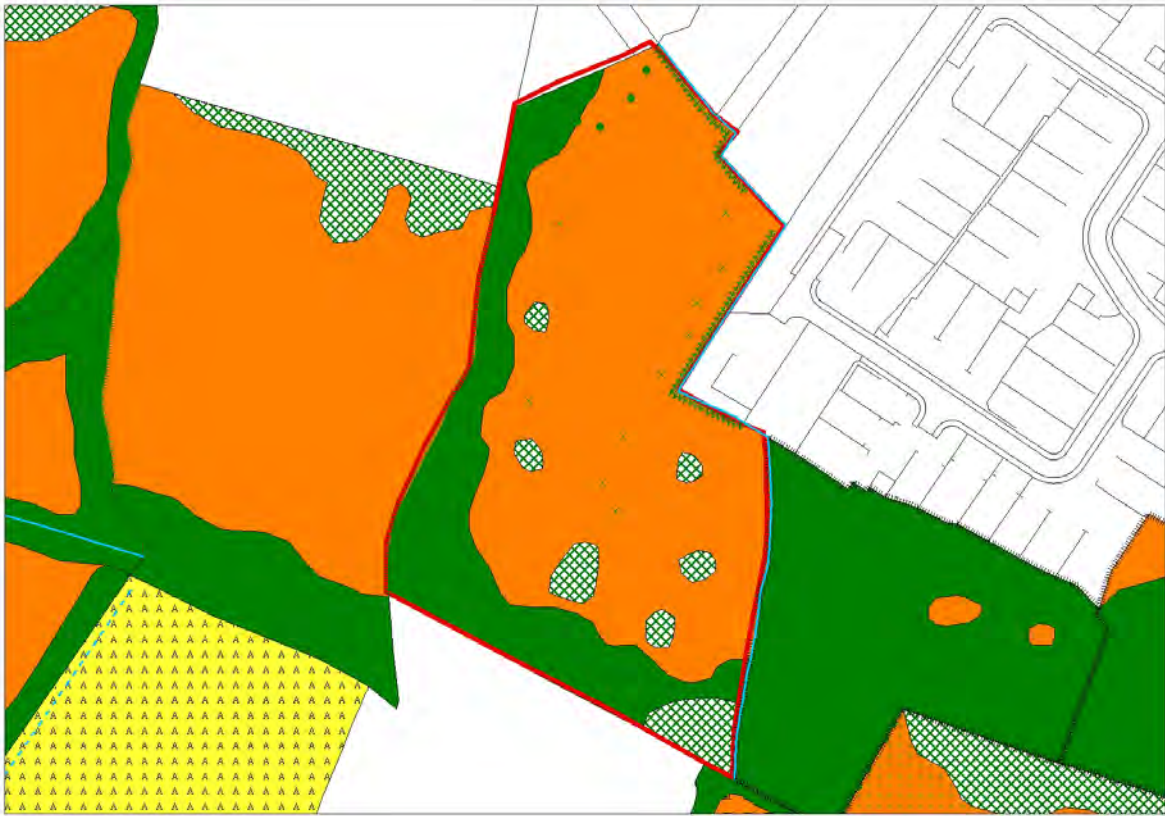
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – declining			
Secondary habitat	Broadleaved woodland: favourable – stable			
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	✓	No	
Will the current management retain the biodiversity value of the site?	Yes		No	✓
Does the site have potential to improve with different management?	Yes	✓	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management				
Type of management/Condition		Tick Box	Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		2 plus foal.	
	horse	✓		
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	Silage cut		
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered		Scrub at acceptable levels.	
	<5%			
	5-20%			✓
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		✓		
High Forest				
Active coppice	some standards			
	no standards			
Abandoned coppice				
Managed wood pasture/parkland				
Relic wood pasture/parkland				
Pollarded Woodland				
Exotics / Ornamentals				
Game management				
Woodland clearing		✓		
Woodland rides				
Recently planted trees				
Dead wood		✓		
Other				
Hedgerows				
Cut Hedge	With standards			
	Without standards			
Uncut Hedge	With standards			
	Without standards			
Overgrown Hedge	With standards		✓	
	Without standards			
Rivers/Water Bodies				
Fishing	Heavy			
	Light (not obvious)			
Bank management	Fenced off		Partially.	
	Unmanaged			✓
	Grazed			✓
	Cut			
Disturbance, Damage & Dumping				

Invasive aliens	✓	Himalayan balsam along stream.
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Less intensive grazing to allow sward structure and diversity to develop.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Hammond Street Meadow 80/029



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Lucas End Farm Pasture			Grid Reference T L 3 2 0 0 3 9								
Site Number/ID 80/030			Date 30/5/12								
Recorder(s) Mark Woods			Time on Site 1.25 hours								
Site Size		2.8 ha									
Site Ownership notes		Private									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Valley mire									
Other Habitats		Species poor hedgerows									
		Dense scrub									
Comments											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground			✓	Disturbed areas			
Pollarded trees				Steep slopes							
Standing/fallen dead wood		✓	In hedges		Invasive species						
Sap runs/holes in trees				Public access			✓	PROW			
Tussocky vegetation		✓	Varied structure		Areas with frequent/prolonged flooding			✓	Valley mire		
Abundant nectar				Seasonally wet/damp			✓	Hollow in NW			

source			areas		corner
Varied sward height	✓	Variation throughout	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

To some extent, but marshy grassland (2012 Wildlife Site Report) is not accurate description of the wetland area and southern marsh orchid was not seen.

Brief summary of habitats and site context

Neutral grassland on a north-facing slope. Very weedy at southern end on drier parts of the grassland. The centre of the field is a spring (on map marked as parallel lines, running north-east of patch of scrub in centre of field), which drains from south to north into a ditch, forming an area of valley mire . A wet hollow is present in the north-west corner. Big scrubby hedges on north, east and south sides. Not very stockproof but diverse structure.

Habitat detail (including notable species)

Old pasture of NVC MG5 type. Over-grazed with poached ground in places. Tall ruderal stands are frequent (nettles and broad-leaved dock). Crested dog's tail, common knapweed, smooth meadow grass, white clover and meadow buttercup all present where sward is in good condition. Valley mire is NVC type M37 (*Festuca rubra Cratoneuron commutatum* sub-community). Very poached. Southern marsh orchid may no longer be present but a few common spotted orchid spikes noted.

This site meets the criteria for a grassland LWS with 19 Indicator Species recorded (at least 8 are required).

Non-botanical interest

Good bird nesting habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable - declining			
Secondary habitat	Valley mire: unfavourable - declining			
Other habitat	Hedges: unfavourable – stable			
Comments/Explanation of Condition Neutral grassland and valley mire are overgrazed. Hedgerow require management.				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	✓ overgrazed
Will the current management retain the biodiversity value of the site?	Yes		No	✓
Does the site have potential to improve with different management?	Yes	✓	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	Too many horses, leading to poached and disturbed ground with subsequent weedy patches and bare ground.
	horse	✓	mixed	
	Over-grazed		✓	
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%		✓	
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			

	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Weed control (nettle, dock and thistles). Reduce grazing intensity.
Secondary Habitat	Fence off valley mire for 2-3 years to allow it to recover. Then allow grazing on a limited basis.
Other Habitats	Hedge trimming/laying.
Is grazing appropriate for this site? Yes but at a lower intensity	
Is the site stockproof?	Yes to some extent (see comment below).
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Horses can roam through several fields but seem to prefer to overgraze this field.	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow W of Whitehouse Farm			Grid Reference T L 3 2 2 0 3 3								
Site Number/ID 80/032			Date 28/5/12								
Recorder(s) Mark Woods			Time on Site 1.25 hours								
Site Size		1.77 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral and marshy grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Marshy grassland									
Other Habitats		Hedgerows									
Comments											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood					Invasive species						
Sap runs/holes in trees					Public access						
Tussocky vegetation		✓				Areas with frequent/prolonged flooding		✓			
Abundant nectar source					Seasonally wet/damp areas		✓				

Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Map from 1985 survey shows marshy areas in different place.

Brief summary of habitats and site context

Neutral grassland with area of marshy grassland at eastern end and marshy grassland flanking a dry ditch that runs through the field. Site bounded by species-poor hedgerows.

Habitat detail (including notable species)

Neutral grassland is fairly species-poor NVC MG5 type. It has an overgrazed but varied sward. Main species are meadow foxtail, Yorkshire fog and smooth meadow grass with a few scattered herbs – silverweed, creeping buttercup and lesser stitchwort. Structure varied depending on grazing intensity (field split in two). Tall (50cm) on one side, 10-25cm on other.

Marshy grassland is much more species-rich with a varied structure and a good range of mesotrophic species. Includes hard rush, sweet-grass sp., creeping bent, glaucous sedge, remote sedge, oval sedge, ragged robin, square-stalked St John's wort and bog stitchwort.

The site qualifies as a grassland LWS based on the presence of 17 recorded Indicator Species (at least 8 are required for neutral grassland and 5 for marshy grassland).

Non-botanical interest

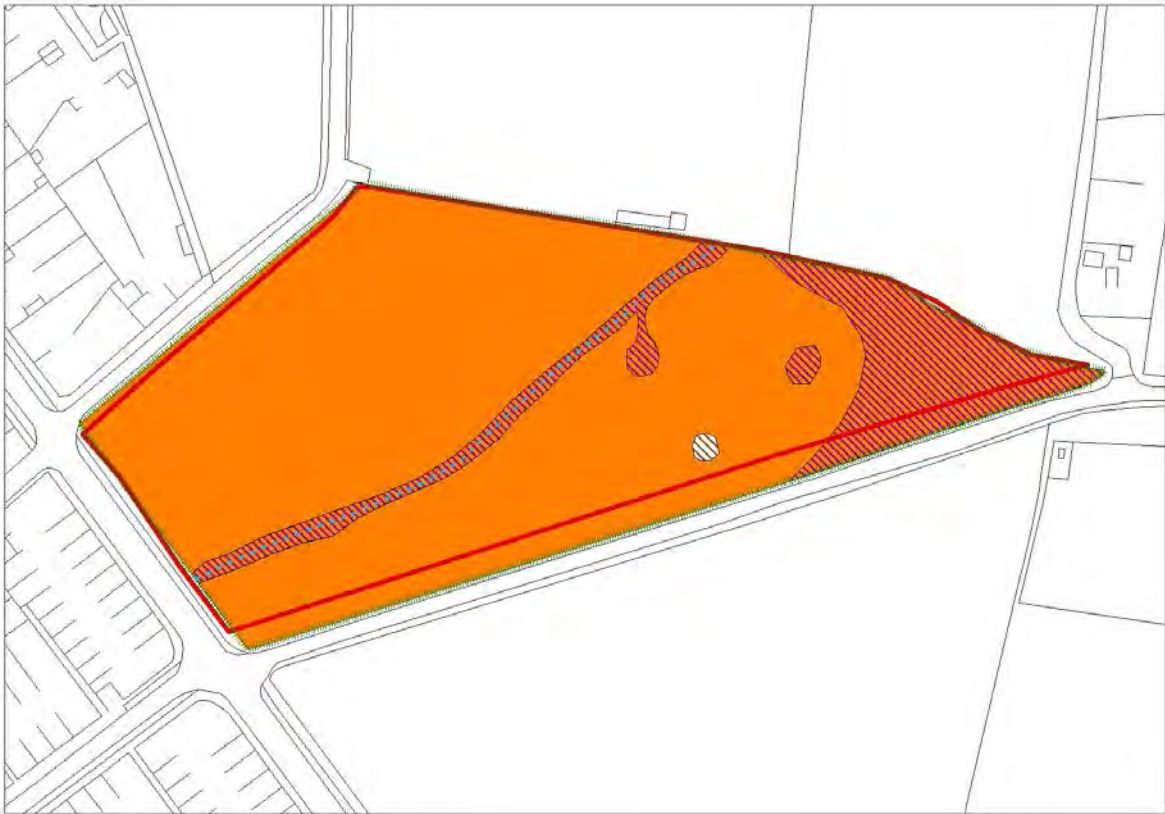
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable – stable			
Secondary habitat	Marshy grassland: favourable – stable			
Other habitat	Hedges: favourable - stable			
Comments/Explanation of Condition				
Neutral grassland is overgrazed and possibly fertilized, whereas marshy grassland appears to be left largely undisturbed by horses.				
Hedges are only trimmed on road side and are large, bushy and continuous.				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	Neutral grassland – no Marshy grassland - yes
Will the current management retain the biodiversity value of the site?	Yes		No	Neutral grassland – no Marshy grassland - yes
Does the site have potential to improve with different management?	Yes	✓	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse	✓	mixed	
	Over-grazed			✓
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			✓
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			
	no standards			

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards	✓	Partly cut.
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing and hedge trimming	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Lower intensity of horse grazing.
Secondary Habitat	Lower intensity of horse grazing.
Other Habitats	Hedge management requires no change.
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Meadow W of Whitehouse Farm 80/032



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow S of Rosedale sports ground			Grid Reference								
			T	L	3	3	7	0	2		
Site Number/ID 80/035			Date 9/5/12								
Recorder(s) Mark Woods			Time on Site 0.75 hrs								
Site Size		4 ha									
Site Ownership notes		Private									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	<input checked="" type="checkbox"/>	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Plantation broadleaved woodland									
Other Habitats		Dense scrub/scattered scrub/ scattered broadleaved woodland (pedunculate oak)									
Comments Neutral grassland appears to be amenity-managed for at least part of the year.											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground							
Pollarded trees				Steep slopes							
Standing/fallen dead wood				Invasive species							
Sap runs/holes in trees				Public access		<input checked="" type="checkbox"/>					
Tussocky vegetation		<input checked="" type="checkbox"/>	Some on field edges		Areas with frequent/prolonged flooding						

Abundant nectar source			Seasonally wet/damp areas	✓	Drain line – field drain probably blocked
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Description of botanical community is still accurate.

Brief summary of habitats and site context

Neutral grassland flanked by plantation and scattered trees.

Habitat detail (including notable species)

Neutral grassland: Short sward, typical herbs and grasses of MG5 community, most are commonly occurring. Most of the field is used for sports (rugby pitch) and is probably amenity managed in winter. This does not appear to have affected the diversity of the community. North and west sides flanked by mature plantation wood – mixture of natives and non-natives. South and east sides flanked by scattered trees such as oak and hornbeam. Patches of bramble/rose/hawthorn.

North and west sides flanked by mature plantation wood – mixture of natives and non-natives. South and east sides flanked by scattered trees such as oak and hornbeam. Patches of bramble/rose/hawthorn.

With 12 Grassland Indicator Species recorded, this site meets the criteria for a neutral grassland LWS (at least 8 species required).

Non-botanical interest

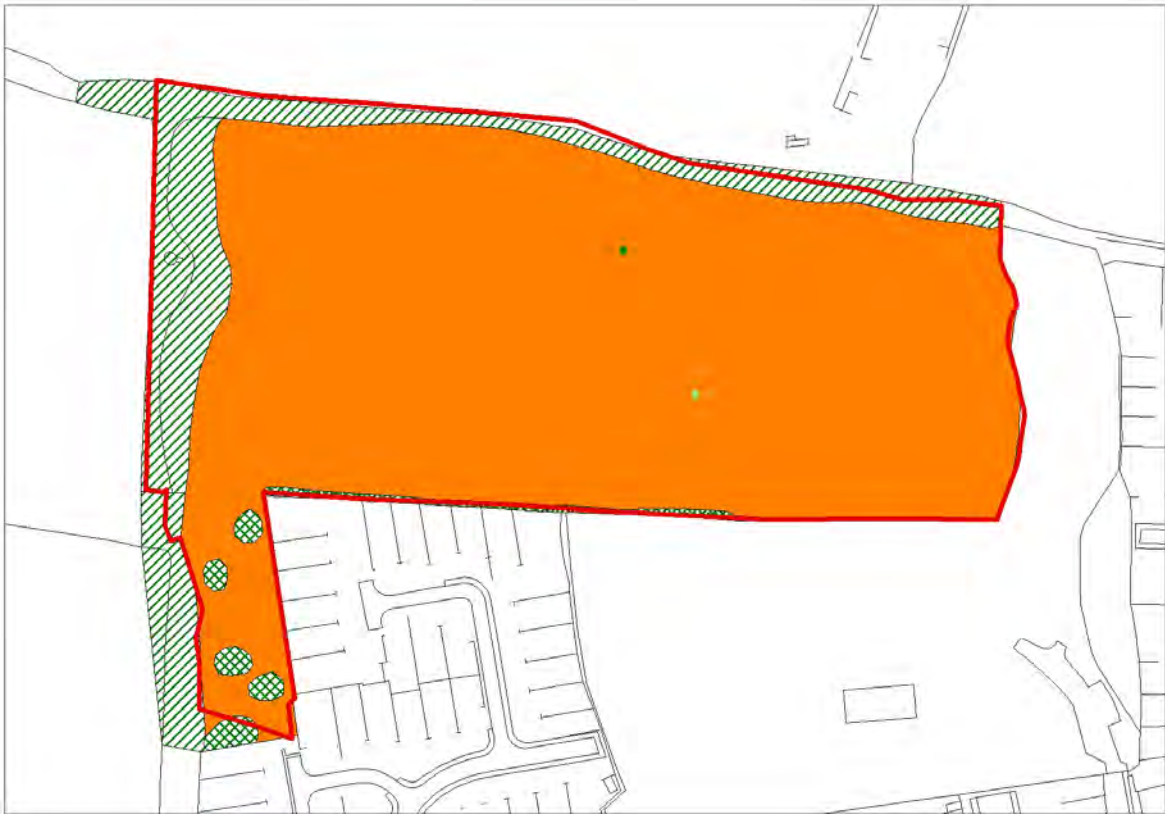
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable-stable			
Secondary habitat	Plantation broad-leaved woodland: favourable-stable			
Other habitat	Scrub: favourable - stable			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes		No	Possibly
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management					
Type of management/Condition	Tick Box		Details/Comments		
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep		
	horse		mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown		<input checked="" type="checkbox"/>	Managed as a sports field.	
	Hay cut		Silage cut		
	Frequent mowing		<input checked="" type="checkbox"/>		
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered				
	<5%				
	5-20%				
	>20%				
Herbicide/pesticide/fertiliser use					
Planting of trees					
Other					
Woodland					
Unmanaged Woodland			<input checked="" type="checkbox"/>		
High Forest					
Active coppice	some standards				
	no standards				



































Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals		✓	
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Mowing for amenity purposes.	
What management is recommended to maintain / improve the biodiversity of the site? Depends on frequency of mowing. If mowing stopped in summer – then no change required.	
Primary Habitat	
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	Could be made so
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management	


Phase 1 Habitat Map of Meadow S of Rosedale sports ground 80/035



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010										
Site Name Hammond Street Scrub		Grid Reference								
		T	L	3	2	7		0	4	1
Site Number/ID 80/037		Date 12/6/12								
Recorder(s) Mark Woods		Time on Site 1.25 hours								
Site Size	1.8 ha									
Site Ownership	Private									
notes										
Boundary of LWS										
Is the boundary shown on the map correct/sensible?						Yes	✓	No		
Comments/Amendments										
Site survey information										
Main biodiversity interest of site	Scrub (now immature woodland) and neutral grassland.									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)										
Primary habitat	Broadleaved woodland									
Secondary Habitat	Neutral grassland									
Other Habitats	Bare ground/short ephemeral									
Comments										
Area of concrete present, which is being colonized by ruderals and grassland/scrub plants.										
Interest Features – please indicate location on site map										
Veteran trees			Bare ground	✓	Concrete yard					
Pollarded trees			Steep slopes							
Standing/fallen dead wood	✓	Plenty	Invasive species	✓	Cotoneaster sp.					
Sap runs/holes in trees	✓	On boundary trees.	Public access	✓						
Tussocky vegetation	✓		Areas with frequent/prolonged flooding							
Abundant nectar source	✓		Seasonally wet/damp areas	✓	Willows present in scrub.					

Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Yes but scrub succeeding to woodland.

Brief summary of habitats and site context

Continuous dense scrub now succeeded to immature broadleaved woodland. Patches of neutral grassland on the southern edges and small grassy glades throughout.

Habitat detail (including notable species)

Grassland is NVC MG1 type grassland with dense patches of bramble and nettle. It is unmanaged, with a tall tussocky sward and a dense thatch layer. A few tall herbs in the more open areas and a few small herbs of wet ground such as common fleabane, greater bird's-foot trefoil and hoary ragwort. The grassy glades within the woodland are fairly species-poor and consist of a similar MG1 suite of species. There are two very small grassland glades to the west, one of which is very species-rich and includes common spotted orchid and sneezewort, the other is wetter and contains marsh thistle and rush species. Both are heavily shaded and encroached by scrub.

Woodland/dense scrub has a varied structure and canopy height – dense canopy is impenetrable in places with bare ground below. But elsewhere typically secondary woodland flora such as garlic mustard, ground ivy, nettle and locally abundant pendulous sedge is present. Some bramble in open areas. Relict patches of grassland also present. Plenty of dead wood. Likely to develop into W8 ash woodland in time, but presently W21 hawthorn-ivy scrub habitat.

The LWS selection criteria states that '*Native woody species supporting a diverse structure... ..in association with another habitat that conforms to the criteria in all but habitat size would qualify*'.

The grassland areas do conform to the criteria, having 10 Indicator Species (at least 8 are required to qualify), so it is considered that the site as a whole also qualifies as a LWS.

Non-botanical interest

Good nesting bird habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Woodland: favourable – stable			
Secondary habitat	Neutral grassland: unfavourable - declining			
Other habitat				
Comments/Explanation of Condition Scrub is developing in a favourable manner towards woodland. Grassland requires management.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	<input checked="" type="checkbox"/> Woodland yes Grassland no
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged			<input checked="" type="checkbox"/>	
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	Bramble, lots of young trees and shrubs.
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input checked="" type="checkbox"/>	
Herbicide/pesticide/fertiliser use			<input type="checkbox"/>	
Planting of trees			<input checked="" type="checkbox"/>	Leylandii
Other			<input type="checkbox"/>	
Woodland				
Unmanaged Woodland			<input checked="" type="checkbox"/>	Scrubby
High Forest				
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	

Abandoned coppice		
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood	✓	Plenty
Other	✓	Good lateral structure.
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens	✓	Cotoneaster sp. and planted Leylandii. Children's dens and some dumped material.
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Woodland – none.
Secondary Habitat	Grassland glades – scrub removal/ control. Intensive mowing to control nettle/dock/thistle growth.
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Hammond Street Scrub 80/037



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010										
Site Name Grassland S of Hammond Street Scrub		Grid Reference								
		T	L	3	2	7		0	4	0
Site Number/ID 80/038		Date 12/6/12								
Recorder(s) Mark Woods		Time on Site 1.25 hours								
Site Size	1.2 ha									
Site Ownership notes	Private									
Boundary of LWS										
Is the boundary shown on the map correct/sensible?					Yes	<input checked="" type="checkbox"/>	No			
Comments/Amendments										
Site survey information										
Main biodiversity interest of site	Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)										
Primary habitat	Neutral grassland									
Secondary Habitat	Broadleaved woodland									
Other Habitats	Hedgerows									
	Dense and scattered scrub and bracken									
Comments										
Interest Features – please indicate location on site map										
Veteran trees	<input checked="" type="checkbox"/>	On boundary.	Bare ground							
Pollarded trees	<input checked="" type="checkbox"/>	In wood alongside stream.	Steep slopes							
Standing/fallen dead wood	<input checked="" type="checkbox"/>	In wood alongside stream.	Invasive species		<input checked="" type="checkbox"/>	Himalayan balsam				
Sap runs/holes in trees	<input checked="" type="checkbox"/>	In wood alongside stream.	Public access							
Tussocky vegetation	<input checked="" type="checkbox"/>	Some dense unmanaged woodland.	Areas with frequent/prolonged flooding		<input checked="" type="checkbox"/>	Some wet hollows.				

Abundant nectar source			Seasonally wet/damp areas	✓	Flushed areas at N end.
Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	A few in N field.	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Two neutral grassland fields separated by a species poor hedgerow. The southern boundary of both fields is a stream flanked by broadleaved woodland. The northernmost field is bounded by dense scrub to the north with scattered scrub and a bracken stand at the western end. The southernmost field is bounded to the south and west by woodland. Both fields appear to be old pastures.

Habitat detail (including notable species)

Northernmost field: The south of this field is an unmanaged rank, tussocky, species poor NVC MG1 type grassland dominated by Yorkshire fog and meadow foxtail with nettles and creeping thistle with a sward approximately 75cm high and a dense thatch. At the northern and western ends the sward is a neglected NVC MG5 type grassland. It is species-rich with flushed areas where glaucous sedge, hairy sedge and fleabane are present. This area also includes scattered shrubs and trees and a patch of bracken.

The southern field is comparatively species-poor. It has apparently had some agricultural improvement but still has some patches of interest including common bent and sheep's sorrel. Near to the wooded edge, tall herbs such as nettle and Himalayan balsam are abundant and replace grasses. Other areas are dominated by false oat grass or a Yorkshire fog/ryegrass/crested dog's tail mixture.

Scrubby hedges and outgrowths of scrub, large broadleaved trees on the boundaries and dense/scattered scrub enhances the nature conservation interest.

This site qualifies as a neutral grassland LWS on the basis that 18 Indicator Species were recorded (at least 8 are required to qualify).

Non-botanical interest

Good nesting bird habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable - declining			
Secondary habitat	Other habitats: favourable - stable			
Other habitat				
Comments/Explanation of Condition Neutral grassland needs topping and grazing.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	In part – MG5 component and hedges.
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged			<input checked="" type="checkbox"/>	North field
Grazed	cattle	<input type="checkbox"/>	sheep	South field
	horse	<input checked="" type="checkbox"/>	mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input checked="" type="checkbox"/>	
Herbicide/pesticide/fertiliser use			<input type="checkbox"/>	
Planting of trees			<input type="checkbox"/>	
Other			<input type="checkbox"/>	
Woodland				
Unmanaged Woodland			<input checked="" type="checkbox"/>	
High Forest			<input type="checkbox"/>	
Active coppice	some standards		<input type="checkbox"/>	



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			Old coppice stools alongside stream.
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	In wood and hedges – elm.
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		Banks of stream not fenced but impenetrable in many areas.
	Unmanaged	✓	
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Partly grazed.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Topping first, then graze at high intensity to reduce sward. Follow up with long-term low intensity grazing.
Secondary Habitat	Selective scrub control. Bracken control – repeated cutting.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	In part
Does the site have water for stock?	In part
Is the site accessible to a vehicle?	In part
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Grassland S of Hammond Street Scrub 80/038



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Grassland SE of Hammond Street			Grid Reference T L 3 2 8 0 4 0								
Site Number/ID 80/039			Date 12/6/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		0.97 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	<input checked="" type="checkbox"/>	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Broadleaved woodland									
Other Habitats		Dense scrub									
		Hedgerows									
		Running water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	<input checked="" type="checkbox"/>	In woodland	Bare ground	<input checked="" type="checkbox"/>	Small areas						
Pollarded trees	<input checked="" type="checkbox"/>		Steep slopes								
Standing/fallen dead wood	<input checked="" type="checkbox"/>		Invasive species								
Sap runs/holes in trees	<input checked="" type="checkbox"/>		Public access	<input checked="" type="checkbox"/>	PROW						
Tussocky vegetation	<input checked="" type="checkbox"/>	Small patches	Areas with frequent/prolonged flooding								
Abundant nectar			Seasonally wet/damp	<input checked="" type="checkbox"/>	Wet						

source			areas		soils/flushed
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		
Site Description					
<p>If there is an existing site description is it still accurate? <i>Please outline significant changes</i> Yes</p>					
<p>Brief summary of habitats and site context Neutral grassland pasture bounded by broad-leaved woodland and scrub/overgrown hedges.</p>					
<p>Habitat detail (including notable species) Good example of NVC type MG5 pasture. Lightly grazed by a single horse. Fairly fine, open sward with occasional more coarse tussocky patches, particularly close to boundary features, where MG1 grassland is present in strips up to 3m wide and merging into the MG5 grassland. Some seasonally wet areas where common fleabane and creeping bent become prevalent, otherwise crested dog's-tail and common knapweed are constant, with frequent red fescue, ox-eye daisy and Yorkshire fog. Sward height approximately 30 cm, thatch is minimal and bare ground is limited.</p> <p>Big scrubby hedges and mature woodland on boundaries enhance the interest. Veteran hornbeam pollards alongside stream. Excellent mosaic of habitats.</p> <p>This site qualifies as a neutral grassland LWS on the basis of 12 Indicator Species being recorded (at least 8 is required to qualify).</p>					
<p>Non-botanical interest Good bird nesting habitat</p>					

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – stable			
Secondary habitat	Broadleaved woodland: favourable – declining			
Other habitat	Hedgerows and scrub: favourable – stable			
Comments/Explanation of Condition				
Woodland: Too much shade and dumping of horse manure in the vicinity of the hornbeam pollards.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management					
Type of management/Condition	Tick Box		Details/Comments		
Grassland/Wetland					
Unmanaged					
Grazed	cattle		sheep	1 horse	
	horse	<input checked="" type="checkbox"/>	mixed		
	Over-grazed				
	Under-grazed				
Cut	Mown				
	Hay cut		Silage cut		
	Frequent mowing				
	Hay cut & aftermath grazing				
Scrub Encroachment	Scattered				
	<5%				
	5-20%				<input checked="" type="checkbox"/>
	>20%				
Herbicide/pesticide/fertiliser use					
Planting of trees					
Other					
Woodland					
Unmanaged Woodland		<input checked="" type="checkbox"/>			
High Forest					
Active coppice	some standards				



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland		✓	
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards	✓	
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off	✓	Stream surrounded by trees.
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continue with current management.
Secondary Habitat	Reduce shading from around hornbeam pollards. Deposit horse manure elsewhere.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Grassland SE of Hammond Street 80/039



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow West of Tudor Villas			Grid Reference T L 3 2 9 0 3 0								
Site Number/ID 80/044			Date 9/5/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		2.4 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible? ✓						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Standing water									
Other Habitats		Species-poor hedge with trees									
Comments											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground			✓			
Pollarded trees					Steep slopes						
Standing/fallen dead wood					Invasive species						
Sap runs/holes in trees					Public access						
Tussocky vegetation					Areas with frequent/prolonged flooding						
Abundant nectar					Seasonally wet/damp						

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes
 Less scrub in the field than is described in previous reports, but otherwise accurate.

Brief summary of habitats and site context

Horse-grazed neutral grassland with a pond in the southwest corner. Species-poor hedges and trees run along the northern and southern boundaries

Site is situated in a semi-built up area. There are glasshouses to the immediate west and residential properties to the east. Small pastures to the north and south.

Habitat detail (including notable species)

Grassland is NVC MG5 and has a varied sward including typical species of clay. Sward is very short with gaps and poached areas created by heavy grazing.

Pond has good water clarity, but is heavily shaded by crack willow coppice stools. No marginal vegetation. Submerged vegetation may be present but water was too deep to sample.

Hedges are thick and bushy but not stockproof. They are dominated by hawthorn with pedunculate oak and elder also present.

With 9 Grassland Indicator Species, the site meets the criteria for a neutral grassland LWS (at least 8 species are required).

Non-botanical interest

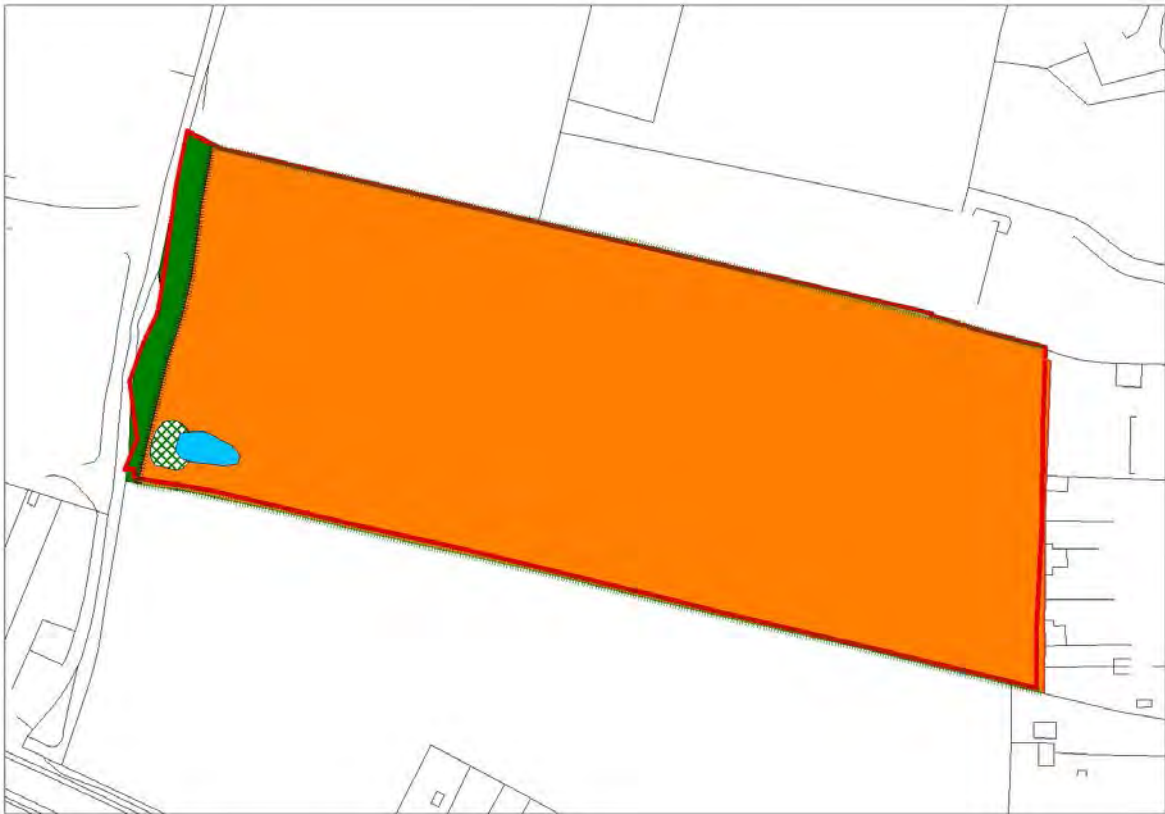
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable – stable.			
Secondary habitat	Standing water: favourable – stable			
Other habitat	Species poor hedgerow: unfavourable - stable			
Comments/Explanation of Condition Neutral grassland is currently heavily grazed. Hedgerow requires laying.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	Grassland needs a period with no grazing.
	horse	<input checked="" type="checkbox"/>	mixed	
	Over-grazed		<input checked="" type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	A few small bramble patches.
	<5%		<input checked="" type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards		<input type="checkbox"/>	



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		Pond is open to horse grazing but water is clear and not disturbed.
	Unmanaged		
	Grazed	✓	
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Reduced grazing to allow sward structure to develop.
Secondary Habitat	Coppice crack willows around pond.
Other Habitats	Lay hedges.
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Meadow West of Tudor Villas 80/044



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Longmead Farm Meadows			Grid Reference T L 3 2 8 0 3 6								
Site Number/ID 80/046			Date 4/5/12								
Recorder(s)			Time on Site 1.5 hours								
Site Size		1.88 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	<input checked="" type="checkbox"/>	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Hedgerows with trees (both species-rich and poor)									
Other Habitats		Dense scrub									
		Scattered woodland and scrub									
		Standing and running water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	<input checked="" type="checkbox"/>	Veteran oak	Bare ground								
Pollarded trees	<input checked="" type="checkbox"/>		Steep slopes								
Standing/fallen dead wood	<input checked="" type="checkbox"/>		Invasive species								
Sap runs/holes in trees	<input checked="" type="checkbox"/>		Public access								
Tussocky vegetation	<input checked="" type="checkbox"/>		Areas with frequent/ prolonged flooding			<input checked="" type="checkbox"/>		Small pond			
Abundant nectar source	<input checked="" type="checkbox"/>		Seasonally wet/damp areas			<input checked="" type="checkbox"/>		Flushed areas throughout.			

Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

2008 survey description is reasonable but does not mention the extent of scrub development, flushing and tall herb stands. Also no mention of veteran oak.

Brief summary of habitats and site context

Neutral grassland with extensive dense scrub, particular along the western and northern edges, and a small pond towards the centre. Site is bounded by hedgerows, which are species-rich along the north and south boundaries. A veteran oak is present towards the centre of the site.

Habitat detail (including notable species)

Neutral grassland is tall, unmanaged and rank. Includes false oat grass, cock's-foot, couch grass and Yorkshire fog. The herbs present include those that are indicative of damp, flushed conditions include rush species, fleabane and great horsetail. Grassland merges with stands of tall ruderal and scrub species included nettle, hemlock and bramble.

The boundary hedgerows have expanded into the grassland to form dense stands of scrub. On the wetter area these are composed of wetter species, on the drier areas blackthorn and bramble. The existing hedges are no longer stockproof. The northern boundary is a ditch shaded by a hedge and trees on both banks.

This site meets the criteria for a grassland LWS as 13 Indicator Species have been recorded (8 or more are required).

Non-botanical interest

Excellent bird nesting habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable – declining			
Secondary habitat	Hedgerows: unfavourable – declining			
Other habitat	Dense scrub: favourable – stable			
Comments/Explanation of Condition Site generally neglected.				
Is this site a good example of its habitat type in Hertfordshire?	Yes		No	✓
Will the current management retain the biodiversity value of the site?	Yes		No	✓
Does the site have potential to improve with different management?	Yes	✓	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	✓

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged			✓	
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			✓
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland			✓	Standards
High Forest				
Active coppice	some standards			
	no standards			

Abandoned coppice		
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood	✓	
Other		
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	✓
	Without standards	
Overgrown Hedge	With standards	✓
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping	✓	
Other		

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Topping and scrub clearance. Grazing and harrowing.
Secondary Habitat	Hedge laying.
Other Habitats	Control of scrub and tall ruderal species.
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management	


Phase 1 Habitat Survey of Longmead Farm Meadows 80/046



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Meadow by Park House			Grid Reference T L 3 3 9 0 4 4								
Site Number/ID 80/047			Date 29/5/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		1.4 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Hedgerows (species-rich and species-poor)									
Other Habitats		Scattered broadleaved woodland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	✓	Oak			Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood	✓	In hedges			Invasive species						
Sap runs/holes in trees					Public access			✓			
Tussocky vegetation	✓				Areas with frequent/prolonged flooding						
Abundant nectar	✓				Seasonally wet/damp						

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Neutral grassland bounded by scrubby hedgerows and trees with scattered broadleaved woodland in central areas. Sward ranges from 30 – 70cm with paths cut through it.

Habitat detail (including notable species)

Fine-sward grassland dominated by red and meadow fescue and with a good range of other grasses including Yorkshire fog, ryegrass, meadow foxtail, common bent, sweet vernal grass and field wood-rush. Herbs are common but never more than frequent, and include common sorrel, red clover, lesser stitchwort, bird's-foot trefoil, bugle and common cat's-ear.

The site meets the criteria for a neutral grassland LWS with 13 Indicator Species recorded (at least 8 are required).

Non-botanical interest

Scrubby hedges provide good nesting bird habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – stable			
Secondary habitat	Hedgerows: favourable - stable			
Other habitat	Scattered broadleaved woodland: favourable - stable			
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes		No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees		<input checked="" type="checkbox"/>	Scattered	
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards	✓	
	Without standards		
Uncut Hedge	With standards	✓	
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Hay meadow	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continue current management. Biodiversity may improve if aftermath grazing is introduced. Alternatively could consider a second cut every other year (September) and chain harrow every 3-4 years to open up the sward.
Secondary Habitat	Lay hedges.
Other Habitats	
Is grazing appropriate for this site? Yes – aftermath grazing	
Is the site stockproof?	Yes
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Amenity paths cut through the grassland.	


Phase 1 Habitat Map of Meadow by Park House 80/047



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Bonney Grove Wood			Grid Reference T L 3 4 1 0 2 3								
Site Number/ID 80/058			Date 30/5/12								
Recorder(s) Mark Woods			Time on Site								
Site Size		4.23 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Woodland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Broadleaved Woodland									
Secondary Habitat		Running Water									
Other Habitats											
Comments											
Interest Features – please indicate location on site map											
Veteran trees		✓	Near - veteran			Bare ground		✓	On drier ground (leaf litter).		
Pollarded trees						Steep slopes					
Standing/fallen dead wood		✓	Plenty			Invasive species		✓	Snowberry locally abundant		
Sap runs/holes in trees		✓	On larger trees			Public access		✓	Limited		
Tussocky						Areas with frequent/		✓			

vegetation			prolonged flooding		
Abundant nectar source			Seasonally wet/damp areas	✓	
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*
 Yes

Brief summary of habitats and site context

High forest of ash/hornbeam on damp to wet soils with stream running through centre.

Habitat detail (including notable species)

Woodland quite heavily shaded, near continuous cover of standards with ash abundant throughout, and pedunculate oak locally prominent, particularly to the south. Understorey is sparse – hawthorn and regenerating hornbeam. Alder woodland is locally prominent around stream and locally crack and hybrid crack willows are present. Field layer is most prevalent around streams and is also most diverse in those areas where nettle is less abundant. Many areas of the wood are heavily shaded and have leaf litter only on the field layer. Where present in discrete stands, field layer is composed of ramsons, lesser celandine, redcurrant, wood sedge, and wood speedwell.

LWS criteria:

Over 2 ha in size and supports > 10 Ancient Woodland Indicators (20 recorded) so site qualifies as LWS.

Non-botanical interest

Birds

Badger

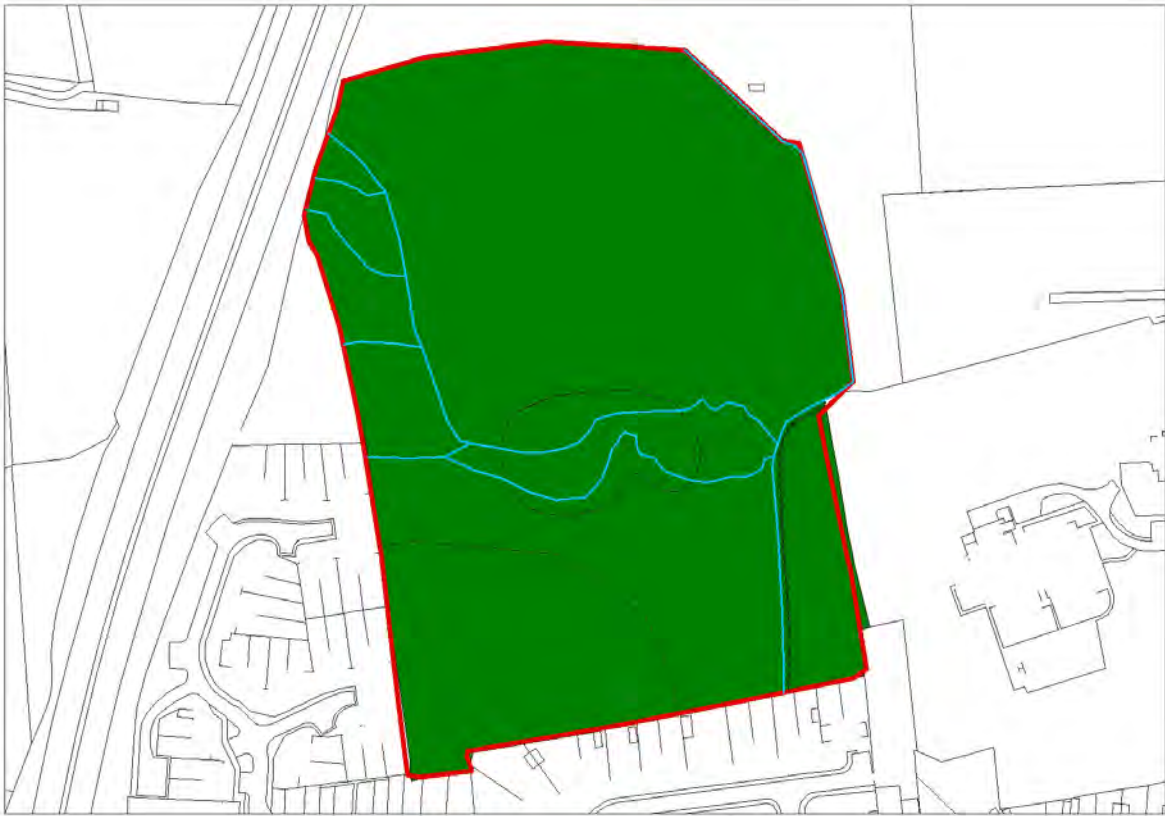
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Broadleaved woodland: unfavourable - declining			
Secondary habitat	Running water: unfavourable - declining			
Other habitat				
Comments/Explanation of Condition				
Continuous canopy provides too much shade, suppressing understory and field layer. Also disturbance in parts has created extensive nettle beds. Stream is suffering from eutrophication.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes		No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland			<input checked="" type="checkbox"/>	
High Forest			<input checked="" type="checkbox"/>	
Active coppice	some standards			
	no standards			



































Abandoned coppice		✓	
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals		✓	Snowberry
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens		✓	Snowberry
Heavy amenity use			Back gardens have access gates.
Heavily disturbed			
Dumping impact		✓	From back gardens. Also agricultural materials including dumped vehicles. Garden waste is locally abundant.
Vehicular impact			
Fly tipping		✓	
Other			

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site? Clearance of debris and dumped materials Thinning of canopy	
Primary Habitat	Thinning
Secondary Habitat	Difficult to control eutrophication.
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	No
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Part of site is adjacent to school and is fenced off from the rest of woodland. Possibly used by the school.	


Phase 1 Habitat Map of Bonney Grove Wood 80/058



Key to LWS Phase 1 Habitat Maps

 Semi-natural broadleaved woodland	 Scattered scrub
 Plantation broadleaved woodland	 Broadleaved trees
 Plantation coniferous woodland	 Marginal vegetation
 Plantation mixed woodland	 Running water
 Dense scrub	 Species poor intact hedgerow
 Scattered scrub	 Species rich intact hedgerow with trees
 Scattered broadleaved trees	 Species poor intact hedgerow with trees
 Acid grassland	 Fence
 Semi-improved acid grassland	 Wall
 Neutral grassland	 Dry ditch
 Semi-improved neutral grassland	 Boundary removed
 Marshy grassland	 Scattered scrub
 Continuous bracken	 Broadleaved tree
 Tall ruderal vegetation	 Coniferous tree
 Marginal vegetation	
 Swamp	
 Standing water	
 Amenity grassland	
 Buildings	
 Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Cheshunt Park Grassland and Pond			Grid Reference								
			T	L	3	4	7	0	4		
Site Number/ID 80/070			Date 29/5/12								
Recorder(s) Mark Woods			Time on Site 1.5 hours								
Site Size		8.3 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral and acid grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral and acid grassland									
Secondary Habitat		Standing water									
Other Habitats		Species-poor hedges with trees									
		Broadleaved woodland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	✓				Bare ground						
Pollarded trees	✓				Steep slopes						
Standing/fallen dead wood	✓				Invasive species						
Sap runs/holes in trees	✓				Public access	✓					
Tussocky vegetation	✓				Areas with frequent/prolonged flooding						

Abundant nectar source			Seasonally wet/damp areas	✓	Small patches
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

Yes

Brief summary of habitats and site context

Neutral – acid grassland surrounded by strips of elm/mixed woodland and unmanaged hedgerows. A pond is present on the southern boundary of the site.

Habitat detail (including notable species)

Fine-sward indicative of old grassland. Hay meadows with dense continuous thatch layer. Sward height when surveyed 50-60cm. Red and meadow fescue, smooth meadow grass, meadow foxtail, Yorkshire fog, pignut and lesser stitchwort are typical species. Sheeps fescue and sweet vernal grass are also present as well as cock's-foot and false oat grass in more mesotrophic areas. Scrubby hedges and strips of woodland on boundaries are often flanked by bramble. North field contains numerous pear trees in an open orchard /parkland type landscape.

Site meets criteria for neutral/acid grassland LWS with 12 Indicator Species (at least 8 are required for a neutral grassland and at least 5 for an acid grassland).

Non-botanical interest

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable – declining			
Secondary habitat	Standing water: unfavourable – declining			
Other habitat	Hedgerows and woodland: favourable – stable			
Comments/Explanation of Condition				
Grassland – thatch layer is too dense and requires harrowing				
Standing water – pond is disturbed by dogs				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			Oak and hawthorn seedlings.
	<5%		<input checked="" type="checkbox"/>	
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest		<input checked="" type="checkbox"/>	Some felling.	
Active coppice	some standards			
	no standards			

Abandoned coppice		
Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals	✓	Rhododendron and conifers.
Game management		
Woodland clearing	✓	In south field.
Woodland rides		
Recently planted trees	✓	In woodland strips.
Dead wood		
Other		
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	✓
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	✓
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		Dogs in pond.
Heavy amenity use	✓	
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? Hay meadow	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Ideally aftermath graze with cattle, or otherwise chain harrow to break up thick thatch layer and open up sward.
Secondary Habitat	Prevent dogs swimming in pond in spring time.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Partly
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Cheshunt Park Grassland and Pond 80/070



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Cheshunt Park Fields			Grid Reference T L 3 4 6 0 3 8								
Site Number/ID 80/071			Date 29/5/12								
Recorder(s) Mark Woods			Time on Site 1.75 hours								
Site Size		10.4 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral and acid grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral/ acid grassland									
Secondary Habitat		Broadleaved woodland									
Other Habitats		Species-poor hedgerows									
		Standing water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground							
Pollarded trees				Steep slopes							
Standing/fallen dead wood		✓		Invasive species							
Sap runs/holes in trees				Public access			✓				
Tussocky vegetation				Areas with frequent/ prolonged flooding							
Abundant nectar source		✓		Seasonally wet/damp areas			✓				

Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	Very few	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Yes. Grasslands are designated as acid but could equally be designated as an acidic form of neutral grassland.

Brief summary of habitats and site context

A series of mesotrophic-acid grassland grading to neutral grassland in places. Fields are bounded by hedgerows with patches of broadleaved woodland in places.

Habitat detail (including notable species)

Grassland structure is varied – on more acid areas it has a generally open structure (approximately 30-50cm in height) but with dense thatch. Red fescue and common bent are abundant, smooth meadow grass, field wood-rush, lesser stitchwort, meadow buttercup and common sorrel are all frequent. False oat grass, meadow fox-tail and cock's foot are the main components of the more neutral areas, with Yorkshire fog, germander speedwell, common sorrel all frequent. Sward here is 50-70cm high with a dense thatch and a tussocky, coarse structure which includes large herbs such as cow parsley and hogweed. Creeping thistle is locally frequent.

This site qualifies as an acid/neutral grassland LWS based on the presence of 14 Indicator Species (>8 required).

Non-botanical interest

Good habitat for birds and invertebrates.

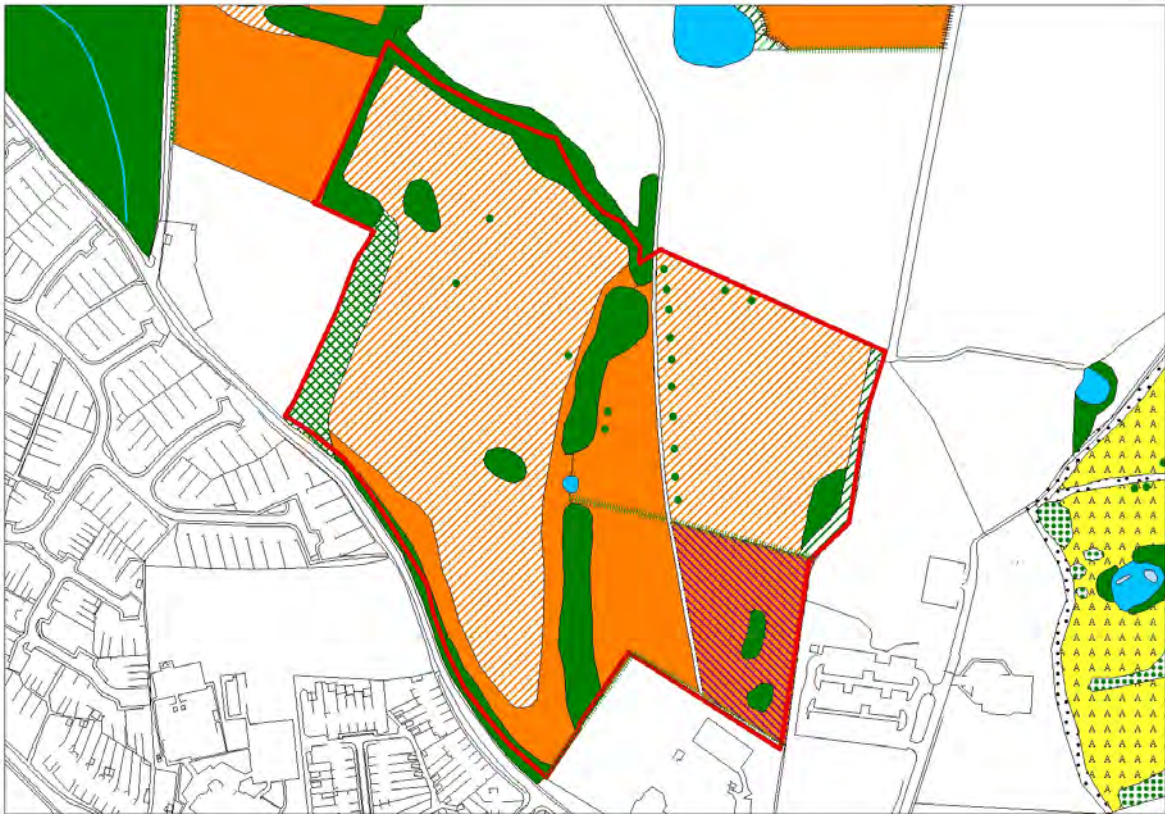
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Acid and neutral grassland: favourable – declining			
Secondary habitat	Broadleaved woodland: favourable – declining			
Other habitat	Hedgerows: favourable - stable			
Comments/Explanation of Condition Grassland – too many thistles and a dense thatch.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle		sheep	
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered		<input checked="" type="checkbox"/>	
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		
High Forest		<input checked="" type="checkbox"/>		
Active coppice	some standards			
	no standards			

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards	✓	On school boundary – intact and in good condition.
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards	✓	
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			Dog fouling is a localised problem.
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Hay cut	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Aftermath grazing or earlier cuts followed by chain harrowing. Thistle control.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Cheshunt Park Fields 80/071



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Broom Hills			Grid Reference T L 3 4 5 0 1 3								
Site Number/ID 80/072			Date 30/4/12								
Recorder(s) Mark Woods			Time on Site 2.5 hours								
Site Size		5.45 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	<input checked="" type="checkbox"/>	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Woodland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Broadleaved woodland and plantation broadleaved woodland (north)									
Secondary Habitat		Running water									
Other Habitats		Neutral grassland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees		<input checked="" type="checkbox"/>	Large oaks			Bare ground		<input checked="" type="checkbox"/>	Localised but frequent		
Pollarded trees		<input checked="" type="checkbox"/>				Steep slopes					
Standing/fallen dead wood		<input checked="" type="checkbox"/>	Particularly to north of site			Invasive species		<input checked="" type="checkbox"/>	Sycamore Rhododendron		
Sap runs/holes in trees		<input checked="" type="checkbox"/>	A few			Public access		<input checked="" type="checkbox"/>	Can gain access		
Tussocky vegetation						Areas with frequent/prolonged flooding		<input checked="" type="checkbox"/>	Wet woodland		
Abundant nectar						Seasonally wet/damp		<input checked="" type="checkbox"/>	Alder carr		

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		
Site Description					
<p>If there is an existing site description is it still accurate? Please outline significant changes Yes – for northern area. Not for southern area. Wildlife Sites Report 2012 does not mention alder carr and the neutral grassland is surrounded by woodland, not scrub.</p>					
<p>Brief summary of habitats and site context Woodland on either side of trunk road. On the north side is oak plantation with regenerating sycamore and hornbeam. On the south oak plantation similar to north but with occasional damp patches. Also includes an area of plantation conifer woodland, alder carr around stream and neutral grassland.</p>					
<p>Habitat detail (including notable species) Oak plantation is a form of NVC W10 woodland with oak canopy and sycamore and hornbeam understorey. Field layer is composed of bramble, nettle and dog's mercury. Structurally diverse with plenty of dead wood but field layer is of limited botanical interest. Plenty of leaf litter and dense patches of honeysuckle. NVC W6 woodland surrounding streams on south side of site. Composed of coppiced alder with nettle field layer with occasional large oak. Woodland structure is generally more open on south side – lots of motorbike activity. This site is not an Ancient Woodland, but is over 2 ha in extent, has good structure and 19 Ancient Woodland Indicators were recorded. On this basis it is considered to meet the criteria for a LWS.</p>					
<p>Non-botanical interest Plenty of rot holes and good structure for nesting birds. Bat roosting potential.</p>					

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Plantation broad-leaved woodland: favourable – stable (north), unfavourable – stable (south)			
Secondary habitat	Running water: favourable - stable			
Other habitat	Grassland: favourable - stable			
Comments/Explanation of Condition				
North: Not much botanical interest but old oaks and general woodland structure is of more interest. South: Localised damage to trees and ground flora.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/> S	No	<input checked="" type="checkbox"/> N
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland	<input checked="" type="checkbox"/>	North side unmanaged		
High Forest	<input checked="" type="checkbox"/>	Neglected plantation (N)		

Active coppice	some standards		
	no standards		
Abandoned coppice		✓	Hornbeam/alder
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals		✓	Sycamore
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	Plenty particularly in north.
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens		✓	Locally abundant rhododendron.
Heavy amenity use		✓	Amenity use frequent.
Heavily disturbed		✓	Localised disturbance on south side.
Dumping impact			
Vehicular impact		✓	Motorbikes.
Fly tipping		✓	Fly tipping localised.
Other			

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	North side – none. South side – remove rubbish and reinstate alder coppice. Any additional woodland intervention is unlikely to realise any major benefits and thinning may encourage bramble and nettle. Allow woodland to develop unmanaged.
Secondary Habitat	Leave stream unmanaged.
Other Habitats	Clear scrub from grassland.
Is grazing appropriate for this site? No	
Is the site stockproof?	
Does the site have water for stock?	
Is the site accessible to a vehicle?	
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management A veteran oak on the edge of the alder woodland supports a rhododendron growing as an epiphyte – very unusual.	


Phase 1 Habitat Map of Broom Hills 80/072



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Burygreen Plantation			Grid Reference T L 3 4 0 0 1 5								
Site Number/ID 80/073			Date 30/4/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		8.21 ha									
Site Ownership notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes		No	✓		
Comments/Amendments New roundabout and realignment of road has removed some of the wood.											
Site survey information											
Main biodiversity interest of site		Woodland and streamside flora									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Plantation broadleaved woodland									
Secondary Habitat		Running water									
Other Habitats		Standing water									
Comments											
Interest Features – please indicate location on site map											
Veteran trees		Some very large oaks but no veterans			Bare ground			✓	Extensive away from streams		
Pollarded trees		✓				Steep slopes					
Standing/fallen dead wood		✓	Plenty			Invasive species					
Sap runs/holes in trees		✓				Public access			✓	Not official but people using woodland	
Tussocky						Areas with frequent/			✓		

vegetation			prolonged flooding		
Abundant nectar source			Seasonally wet/damp areas	✓	Rarely next to stream
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

Yes apart from slight loss of area at northeast end.

Brief summary of habitats and site context

Mature broad-leaved plantation over drier soils with stream running through and a small pond towards eastern end. Rich flora along stream corridor and on wetter areas.

Habitat detail (including notable species)

Canopy in drier areas comprised of pedunculate oak, lime and sycamore. Other species occurring at lower frequency include ash, hornbeam, scots pine and sweet chestnut. Sparse understorey of hawthorn and regenerating tree species. Sparse field layer – largely absent but dog's mercury is occasional.

Stream corridor much richer with prominent hornbeam in canopy, and understorey of hazel, wych elm and regenerating hornbeam. Field layer includes abundant pendulous sedge.

As a replanted Ancient Woodland site with over 10 Indicator Species (24) this site meets the criteria for a woodland LWS.

Non-botanical interest

Rot holes and dead wood provide good invertebrate habitat. Roosting potential for birds and nesting for birds.

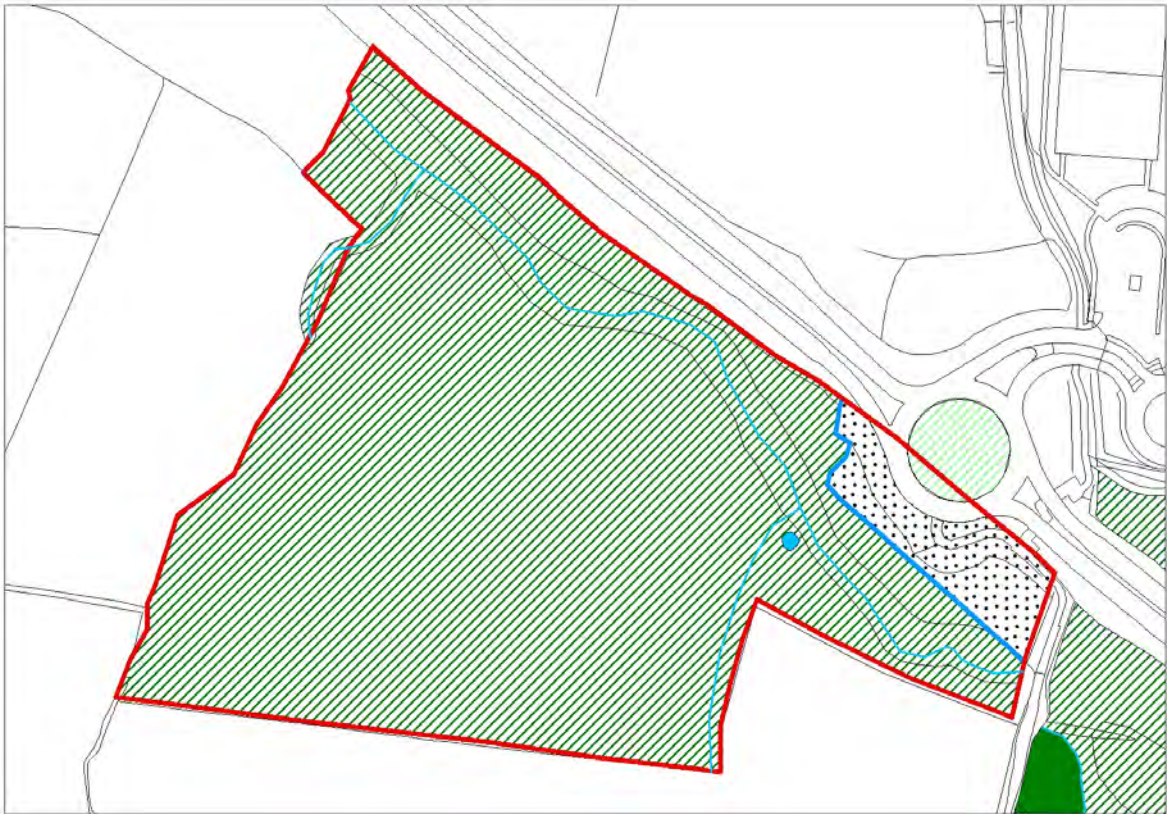
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Plantation broadleaved woodland: favourable – stable			
Secondary habitat	Running and standing water: favourable – stable			
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes		No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes	<input checked="" type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
>20%		<input type="checkbox"/>		
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		
High Forest		<input checked="" type="checkbox"/>		
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	



































Abandoned coppice		✓	Hornbeam and sweet chestnut.
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals		✓	Lime and sycamore.
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	Standing and fallen.
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact		✓	Motorbike trails.
Fly tipping			
Other		✓	Children's dens.

Management	
What is the current management of the site? Some felling has been carried out.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Thinning and coppicing of sycamore, lime and chestnut to enhance structure, promote development of the field layer vegetation and provide a greater area of shrub layer.
Secondary Habitat	Thin bankside trees to increase light levels.
Other Habitats	Remove shading trees from around pond.
Is grazing appropriate for this site? No	
Is the site stockproof?	
Does the site have water for stock?	
Is the site accessible to a vehicle?	
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management	


Phase 1 Habitat Map of Burygreen Plantation 80/073



Key to LWS Phase 1 Habitat Maps

 Semi-natural broadleaved woodland	 Scattered scrub
 Plantation broadleaved woodland	 Broadleaved trees
 Plantation coniferous woodland	 Marginal vegetation
 Plantation mixed woodland	 Running water
 Dense scrub	 Species poor intact hedgerow
 Scattered scrub	 Species rich intact hedgerow with trees
 Scattered broadleaved trees	 Species poor intact hedgerow with trees
 Acid grassland	 Fence
 Semi-improved acid grassland	 Wall
 Neutral grassland	 Dry ditch
 Semi-improved neutral grassland	 Boundary removed
 Marshy grassland	 Scattered scrub
 Continuous bracken	 Broadleaved tree
 Tall ruderal vegetation	 Coniferous tree
 Marginal vegetation	
 Swamp	
 Standing water	
 Amenity grassland	
 Buildings	
 Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Thistly Marsh			Grid Reference T L 3 6 8 0 1 9								
Site Number/ID 81/001/03			Date 28/5/12								
Recorder(s) Mark Woods			Time on Site 1.75 hours								
Site Size		12.25 ha									
Site Ownership notes		Local Authority (part of Lee Valley Park)									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland on northern area. Broadleaved woodland on southern area.									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland and broadleaved woodland									
Secondary Habitat		Scattered and dense scrub and scattered broadleaved woodland									
Other Habitats		Running water									
Comments Site consists of two unconnected areas.											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground		✓	Extensive under canopy on S area			
Pollarded trees					Steep slopes						
Standing/fallen dead wood		✓				Invasive species					
Sap runs/holes in trees					Public access		✓	But virtually impenetrable on S area			

Tussocky vegetation	✓		Areas with frequent/prolonged flooding		
Abundant nectar source			Seasonally wet/damp areas	✓	Small patches on north area
Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	Frequent on N area	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

North area – yes. South area – no. Scrub colonisation and tree planting has occurred so grassland in less than 20m² the rest is dense scrub and poplar plantation.

Brief summary of habitats and site context

Two separate, unconnected areas of habitat. The north area is composed of rank grassland (NVC MG1 type) with scattered scrub, surrounded by thick margins of broad-leaved woodland. The south area comprises extensive areas of hawthorn scrub with small patches of semi-mature broad-leaved woodland. There is a stream running parallel to the eastern boundary.

Habitat detail (including notable species)

North Area

Neutral grassland is approximately 1m tall with a dense tussocky structure and dense thatch. Some areas of finer sward where grasses include false oat grass, Yorkshire fog, smooth meadow grass and red fescue. Elsewhere the sward is dense and rank with false oat grass, hairy sedge, cow parsley, nettles and cleavers. Herbs are generally scarce (apart from weeds – thistles, nettle and cow parsley).

South Area

Woodland areas dominated by ash with a hawthorn understory and nettle and garlic mustard on the field layer, although many areas bare. The extensive hawthorn scrub includes hazel, bird cherry and blackthorn. Ground is largely bare, but some woodland herbs including wood meadow grass, nettle, giant fescue, garlic mustard. Grey poplars planted throughout and some large grey willows. Alongside water course, crack and grey willow are present and dense stands of nettle and cow parsley.

The two areas that make up this site are fragments remaining when the LWS designation was removed from an adjacent SSSI. The site qualifies as a LWS on this basis. The site does not meet the LWS criteria for neutral grassland. Only 7 Indicator species were recorded on the north area, none on the south (at least 8 are required to qualify). It does not meet the criteria for scrubland, which requires that it occurs in association with another habitat which conforms to the criteria. It does not meet the criteria for woodland, not having a good diverse structure and rich ground flora.

Non-botanical interest

Good invertebrate and nesting bird habitat.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable – declining			
Secondary habitat	Broadleaved woodland: favourable – stable			
Other habitat	Dense scrub: favourable – stable			
Comments/Explanation of Condition Neutral grassland is unmanaged – it has a very dense thatch and scrub is invading.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	Grassland – no Dense scrub/young woodland – yes
Will the current management retain the biodiversity value of the site?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged	<input checked="" type="checkbox"/>			
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input checked="" type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use		<input type="checkbox"/>		
Planting of trees		<input type="checkbox"/>		
Other		<input type="checkbox"/>		
Woodland				
Unmanaged Woodland	<input checked="" type="checkbox"/>			
High Forest	<input checked="" type="checkbox"/>			

Active coppice	some standards		
	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing		✓	Very small.
Woodland rides			
Recently planted trees			
Dead wood		✓	Plenty.
Other		✓	Developing scrub/wood.
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged	✓	
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			On edges of grassland.
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? None apart from amenity management of edges of grassland on north area.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Grassland: Introduce hay meadow management or grazing. Woodland: Thinning of woodland to diversify structure.
Secondary Habitat	Scrub control
Other Habitats	
Is grazing appropriate for this site? Yes – in the north area	
Is the site stockproof?	No
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management South area is no longer grassland.	








Phase 1 Habitat Map of North Thistly Marsh 81/001/03




Phase 1 Habitat Map of South Thistly Marsh



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Candlestick Lane Meadows			Grid Reference T L 3 5 0 0 4 4								
Site Number/ID 81/010			Date 29/5/12								
Recorder(s) Mark Woods			Time on Site 1.25 hours								
Site Size		5.46 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	✓	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Broadleaved woodland/hedgerow/dense scrub on boundaries									
Other Habitats		<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr><td> </td></tr> </table>									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	✓	Large oak	Bare ground								
Pollarded trees	✓		Steep slopes								
Standing/fallen dead wood	✓	Dead elms	Invasive species								
Sap runs/holes in trees			Public access		✓						
Tussocky vegetation	✓		Areas with frequent/prolonged flooding		✓	Very small wet patches					
Abundant nectar source	✓	Variety of herbs	Seasonally wet/damp areas		✓	Very small damp areas					

Varied sward height	✓	Throughout	Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes

The 2003 description refers to a wet area in north west corner and describes site as neglected. This is no longer the case.

Brief summary of habitats and site context

Damp to wet meadows. Neutral grassland with sward 40-70cm when surveyed. Surrounded by big strips of broadleaved woodland/dense scrub.

Habitat detail (including notable species)

Typical NVC MG5 grassland. Main grasses are red fescue, Yorkshire fog, common knapweed, red clover. Abundant meadow foxtail, ox-eye daisy, lesser stitchwort. Creeping bent, Yorkshire fog with rushes and creeping buttercup dominant in wetter areas. Yellow meadow vetchling is locally abundant. Surrounded by dense scrubby woodland strips – probably hedges that have become overgrown. Bramble strips also present.

This site meets the criteria for a neutral grassland LWS with 12 Indicator Species recorded (at least 8 are required).

Non-botanical interest

Likely to be good for breeding birds, invertebrate, reptiles.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: favourable - declining			
Secondary habitat	Woodland/dense scrub: favourable - stable			
Other habitat				
Comments/Explanation of Condition Big swathes of amenity mowing. Build up of thatch.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input checked="" type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input checked="" type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input checked="" type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland		<input checked="" type="checkbox"/>		Strips – former boundary hedges
High Forest				
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	

Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		Now woodland - >10m wide.
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			Amenity-managed grassland strips – access paths.
Heavy amenity use		✓	
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Hay meadow	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Continue hay meadow management but introduce aftermath grazing and chain harrowing to open up sward, reduce thatch and create germination opportunities.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Unknown
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	


Phase 1 Habitat Map of Candlestick Lane Meadows 81/010



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Cheshunt Park Golf Course Pond			Grid Reference T L 3 5 3 0 3 8								
Site Number/ID 81/011			Date 1/6/12								
Recorder(s) Mark Woods			Time on Site 1 hour								
Site Size		Unknown									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes		No			
Comments/Amendments The boundary of the LWS is unknown and has possibly never been defined.											
Site survey information											
Main biodiversity interest of site		Protected species – HBRC has records for great crested newt, grass snake and water vole.									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Standing water and marginal vegetation									
Secondary Habitat		Mixed woodland and scrub (on pond banks)									
Other Habitats		Neutral grassland (on pond banks)									
Comments A clear LWS boundary was not available so the pond and its immediate surroundings were surveyed.											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground							
Pollarded trees				Steep slopes							
Standing/fallen dead wood				Invasive species							
Sap runs/holes in trees				Public access							
Tussocky vegetation				Areas with frequent/prolonged flooding							
Abundant nectar				Seasonally wet/damp							

source			areas		
Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? Please outline significant changes
 Yes but existing descriptions are limited.

Brief summary of habitats and site context

The pond is located near the clubhouse and is surrounded by formally landscaped grounds, but with woodland and tall ruderal habitats approximately 75m away. There are a number of other ponds in the vicinity – both within the golf course (nearest is 100m away) and in the woodland to the east (130m away).

Habitat detail (including notable species)

The pond is approximately 1m deep but too turbid to assess depth accurately. It is surrounded by mature willows around 75% of its margins. A thin strip of tall ruderal vegetation is present wherever there is no shading. Marginal vegetation is limited to shallows, which are present within the pond as well as around the edges. It is composed of bulrush and occasional hard rush.

Non-botanical interest

A grass snake was observed basking next to the pond 100m to the north of the LWS. HBRC has records for grass snake, great crested newts and water vole.

A Habitat Suitability Index (HSI) assessment of the pond was carried out which resulted in a score of 0.75. This score is generally interpreted as being 'good' habitat for great crested newts. The surrounding terrestrial habitat is not particularly good for great crested newts (or reptiles) being amenity-managed almost up to the margins of the pond. But there are a number of other ponds with more favourable terrestrial habitat (woodland and scrub) to the north and east, which taken together provide a good network of breeding habitats for great crested newt.

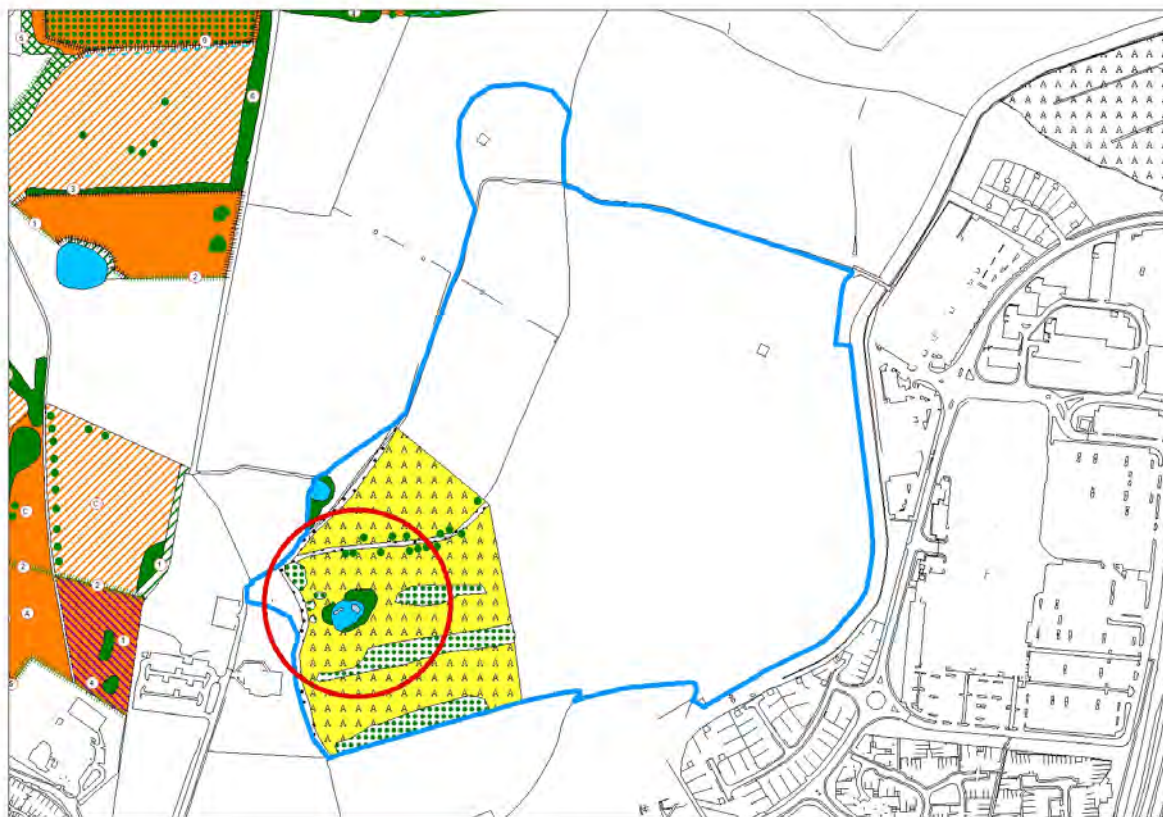
Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Favourable – stable			
Secondary habitat				
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes	<input checked="" type="checkbox"/>	No	Dedicated surveys of amphibians and reptiles to confirm value of LWS.

Site Management				
Type of management/Condition	Tick Box	Details/Comments		
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			
	<5%			
	5-20%			
	>20%			
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		The immediate margins are unmanaged.
	Unmanaged	✓	
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? No management of the pond and its immediate margins. Amenity mowing up to margins.	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Pollard 60% of bankside trees on south and east margins. Leave a 2m wide unmown strip around pond to improve the habitat structure/provide cover for great crested newts and grass snake.
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? No	
Is the site stockproof?	NA
Does the site have water for stock?	NA
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Cheshunt Park Golf Course Pond 81/011



Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Halfhide allotments			Grid Reference T L 3 5 8 0 4 3								
Site Number/ID 81/016			Date 1/5/12								
Recorder(s) Mark Woods			Time on Site 30 minutes								
Site Size		2.54 ha									
Site Ownership notes		Local Authority									
Boundary of LWS											
Is the boundary shown on the map correct/sensible?						Yes	✓	No			
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Grass snake									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Arable (allotments)									
Secondary Habitat		Tall ruderal									
Other Habitats		Scrub/hedges/scattered shrubs									
		Scattered trees									
Comments Active allotments – most occupied. Open plan site.											
Interest Features – please indicate location on site map											
Veteran trees					Bare ground						
Pollarded trees					Steep slopes						
Standing/fallen dead wood					Invasive species						
Sap runs/holes in trees					Public access						
Tussocky vegetation					Areas with frequent/prolonged flooding						
Abundant nectar source					Seasonally wet/damp areas						

Varied sward height			Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*

No existing site description.

Brief summary of habitats and site context

Active allotments backing onto New River and separated from this by a defunct hedge. East boundary is scrub/tall herb and neutral grassland mosaic on an embankment of the A10 trunk road. South boundary is a hedgerow.

Habitat detail (including notable species)

Many compost heaps, unmanaged parts of plots, and piled up material that would be ideal for reptiles.

Personal Communication from Mr E. Rusco of Plot 609B/610 – found a dead grass snake in 2011. His neighbour has also seen grass snakes next to a small pond on his plot. Hertfordshire Biological Records Centre has a record for 1 grass snake found on the site in 1999.

Site is notified as a LWS for its reptile interest. The criteria for which is that a breeding population of at least one species of native reptile is present. Although a breeding population of grass snake cannot be confirmed on the basis of the present survey, it seems likely that the species is present (see above), and the habitats present on site are suitable. It is concluded that the site is very likely to meet the criteria for a reptile LWS, but a dedicated survey is recommended to confirm population and status of the species.

Non-botanical interest

Grass snake.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Allotments: favourable (for reptiles) - stable			
Secondary habitat				
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input type="checkbox"/>	No	NA
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Is further survey work required? E.g invertebrates, birds	Yes	<input checked="" type="checkbox"/>	No	Reptile survey

Site Management				
Type of management/Condition	Tick Box		Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	<input type="checkbox"/>
	horse	<input type="checkbox"/>	mixed	<input type="checkbox"/>
	Over-grazed		<input type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	<input type="checkbox"/>
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	
	<5%		<input type="checkbox"/>	
	5-20%		<input type="checkbox"/>	
>20%		<input type="checkbox"/>		
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards		<input type="checkbox"/>	
	no standards		<input type="checkbox"/>	
Abandoned coppice				

Managed wood pasture/parkland		
Relic wood pasture/parkland		
Pollarded Woodland		
Exotics / Ornamentals		
Game management		
Woodland clearing		
Woodland rides		
Recently planted trees		
Dead wood		
Other		
Hedgerows		
Cut Hedge	With standards	
	Without standards	
Uncut Hedge	With standards	
	Without standards	
Overgrown Hedge	With standards	
	Without standards	
Rivers/Water Bodies		
Fishing	Heavy	
	Light (not obvious)	
Bank management	Fenced off	
	Unmanaged	
	Grazed	
	Cut	
Disturbance, Damage & Dumping		
Invasive aliens		
Heavy amenity use		
Heavily disturbed		
Dumping impact		
Vehicular impact		
Fly tipping		
Other		

Management	
What is the current management of the site? Arable/horticulture (active allotments).	
What management is recommended to maintain / improve the biodiversity of the site? No change.	
Primary Habitat	
Secondary Habitat	
Other Habitats	
Is grazing appropriate for this site? NA	
Is the site stockproof?	
Does the site have water for stock?	
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management None	

Phase 1 Habitat Map of Halfhide allotments 81/016




Key to LWS Phase 1 Habitat Maps

Semi-natural broadleaved woodland	Scattered scrub
Plantation broadleaved woodland	Broadleaved trees
Plantation coniferous woodland	Marginal vegetation
Plantation mixed woodland	Running water
Dense scrub	Species poor intact hedgerow
Scattered scrub	Species rich intact hedgerow with trees
Scattered broadleaved trees	Species poor intact hedgerow with trees
Acid grassland	Fence
Semi-improved acid grassland	Wall
Neutral grassland	Dry ditch
Semi-improved neutral grassland	Boundary removed
Marshy grassland	Scattered scrub
Continuous bracken	Broadleaved tree
Tall ruderal vegetation	Coniferous tree
Marginal vegetation	
Swamp	
Standing water	
Amenity grassland	
Buildings	
Bare ground	

Appendix 5: Proposed Local Wildlife Site Survey Sheets and Maps

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Cheshunt Common Grasslands			Grid Reference T L 3 6 4 0 9 8								
Site Number/ID NA			Date 12/6/12								
Recorder(s) Mark Woods			Time on Site 2.5 hours								
Site Size		26 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	NA	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat											
Other Habitats											
Comments Four fields											
Interest Features – please indicate location on site map											
Veteran trees				Bare ground							
Pollarded trees				Steep slopes							
Standing/fallen dead wood				Invasive species							
Sap runs/holes in trees				Public access		✓	PROWs				
Tussocky vegetation		✓			Areas with frequent/prolonged flooding		✓	Streams and wet patches			
Abundant nectar source				Seasonally wet/damp areas							

Varied sward height	✓		Earthworks /hummocky ground		
Anthills	✓	Scattered	Ridge and furrow		
Rock outcrops			Other		

Site Description

If there is an existing site description is it still accurate? *Please outline significant changes*
NA

Brief summary of habitats and site context

Five fields of NVC type MG1 and MG5 grassland, all horse grazed to varying extents. All have similar composition regarding main components. Variation caused by grazing pressure, soil moisture and aspect. Drier areas of least diversity and interest.

Habitat detail (including notable species)

A. Sward height 30-50cm with no thatch layer. Typical MG5 composition, becoming wetter at north end. Diverse range of species.

B. Field at Grid reference TL323034

Lightly grazed to approximately 30cm. Sparse thatch and fine sward. Some patches of more acid grassland at top of slope, wetter grassland in hollows.

C. Field at Grid reference TL3203042

Grassland approximately 40cm high. Fairly diverse, typical composition for damp MG5 grassland. Lightly grazed, very little thatch and an open sward.

D. Field at Grid reference TL321041

Slightly less diverse but very similar composition, height and thatch to B.

E. Field at Grid reference TL320038

Weediest most heavily grazed field. Of similar composition to adjacent LWS 80/030. Patches of MG1 type grassland. Sward approximately 60cm high, tussocky with lots of tall herbs. Some finer sward, approximately 15cm high, no thatch but some bare ground.

All four fields meet the criteria for a LWS, having over 8 grassland indicator species (15,14, 14, 12 and 11 respectively).

Non-botanical interest

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: All favourable except E which is heavily disturbed in places.			
Secondary habitat				
Other habitat				
Comments/Explanation of Condition				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes	<input checked="" type="checkbox"/>	No	
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	Lighter grazing of E.
Is further survey work required? E.g invertebrates, birds	Yes	<input type="checkbox"/>	No	

Site Management				
Type of management/Condition		Tick Box	Details/Comments	
Grassland/Wetland				
Unmanaged				
Grazed	cattle	<input type="checkbox"/>	sheep	Field E only.
	horse	<input checked="" type="checkbox"/>	mixed	
	Over-grazed		<input checked="" type="checkbox"/>	
	Under-grazed		<input type="checkbox"/>	
Cut	Mown		<input type="checkbox"/>	
	Hay cut	<input type="checkbox"/>	Silage cut	
	Frequent mowing		<input type="checkbox"/>	
	Hay cut & aftermath grazing		<input type="checkbox"/>	
Scrub Encroachment	Scattered		<input type="checkbox"/>	Acceptable scrubby outgrowths
	<5%		<input type="checkbox"/>	
	5-20%		<input checked="" type="checkbox"/>	
	>20%		<input type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards		<input type="checkbox"/>	

	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood			
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards	✓	Excellent structure
	Without standards		
Overgrown Hedge	With standards	✓	Should not be cut but not allowed to spread.
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged	✓	
	Grazed	✓	
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact			
Vehicular impact			
Fly tipping			
Other			

Management	
What is the current management of the site? Horse grazing	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Maintain grazing on fields A -D. Reduce grazing on field E.
Secondary Habitat	Maintain big hedges and woodland on boundaries, which enhance ecological interest.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	Yes
Does the site have water for stock?	Yes
Is the site accessible to a vehicle?	Yes
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Recommend that this site is declared a LWS.	


Phase 1 Habitat Map of Cheshunt Common Grasslands



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		

LWS Field Survey Form

LWS Field Survey Form 2010											
Site Name Hoddesdon Grassland			Grid Reference T L 3 6 4 0 9 8								
Site Number/ID NA			Date 13/6/12								
Recorder(s) Mark Woods			Time on Site 1.75 hours								
Site Size		2.5 ha									
Site Ownership		Private									
notes											
Boundary of LWS											
Is the boundary shown on the map correct/sensible?							Yes	NA	No		
Comments/Amendments											
Site survey information											
Main biodiversity interest of site		Neutral grassland									
Habitat – please indicate extent of habitats on site map (the primary habitat is that for which the site is recognised for)											
Primary habitat		Neutral grassland									
Secondary Habitat		Dense and scattered scrub									
Other Habitats		Broadleaved woodland									
Comments											
Interest Features – please indicate location on site map											
Veteran trees	✓	One next to site	Bare ground	✓	Small patches						
Pollarded trees			Steep slopes								
Standing/fallen dead wood	✓	One large dead tree to southeast corner	Invasive species								
Sap runs/holes in trees	✓		Public access	✓	Informal						
Tussocky vegetation	✓		Areas with frequent/prolonged flooding								
Abundant nectar	✓		Seasonally wet/damp								

source			areas		
Varied sward height	✓		Earthworks /hummocky ground		
Anthills			Ridge and furrow		
Rock outcrops			Other		

Site Description
If there is an existing site description is it still accurate? Please outline significant changes
 NA

Brief summary of habitats and site context
 Neutral grassland with stands of dense and scattered scrub. Flanked by broadleaved woodland on east and south boundaries.

Habitat detail (including notable species)
 Unmanaged neutral grassland that is fairly species-rich. Some past agricultural improvement as evidenced by the frequent ryegrass and white clover. Grassland varies from 75cm high tussocky stands with frequent tall herbs next to stands of scrub, through to heavily trampled/rabbit grazed short sward grassland of less than 10cm high. Transitions between scrub and grassland create an excellent structural variation and diversity of community types. Typical grassland species of the NVC MG5 type grassland, but crested dog's-tail and common knapweed are absent or poorly represented. Red fescue, ox-eye daisy, rough meadow grass, bird's-foot trefoil, Yorkshire fog, creeping cinquefoil and agrimony are constant throughout.
 Scrub is varied in age and composition. Hawthorn is abundant and often occurs with stands of bramble and dog rose. Ash, elm and pedunculate oak occur in clusters, mostly immature. East boundary is pedunculata oak/ash canopy – mature secondary woodland. Understorey is hawthorn and elder, with a fairly uniform field layer of garlic-mustard, wood dock and nettle.
 With 10 indicator species recorded, this site meets the criteria for a neutral grassland LWS (at least 8 species required).

Non-botanical interest
 High numbers of birds and several dragonfly species noted.

Site Condition (favourable/unfavourable, and stable/declining/recovering where possible) Compared to previous descriptions				
Primary habitat	Neutral grassland: unfavourable - declining			
Secondary habitat	Scrub and woodland: favourable - stable			
Other habitat				
Comments/Explanation of Condition Grassland is being invaded by scrub and needs grazing.				
Is this site a good example of its habitat type in Hertfordshire?	Yes	<input checked="" type="checkbox"/>	No	
Will the current management retain the biodiversity value of the site?	Yes		No	<input checked="" type="checkbox"/>
Does the site have potential to improve with different management?	Yes	<input checked="" type="checkbox"/>	No	
Is further survey work required? E.g invertebrates, birds	Yes		No	<input checked="" type="checkbox"/>

Site Management				
Type of management/Condition			Tick Box	Details/Comments
Grassland/Wetland				
Unmanaged			<input checked="" type="checkbox"/>	
Grazed	cattle		sheep	Some rabbit grazing.
	horse		mixed	
	Over-grazed			
	Under-grazed			
Cut	Mown			
	Hay cut		Silage cut	
	Frequent mowing			
	Hay cut & aftermath grazing			
Scrub Encroachment	Scattered			Excellent mosaic but further encroachment would not be desirable.
	<5%			
	>20%		<input checked="" type="checkbox"/>	
Herbicide/pesticide/fertiliser use				
Planting of trees				
Other				
Woodland				
Unmanaged Woodland				
High Forest				
Active coppice	some standards			



































	no standards		
Abandoned coppice			
Managed wood pasture/parkland			
Relic wood pasture/parkland			
Pollarded Woodland			
Exotics / Ornamentals			
Game management			
Woodland clearing			
Woodland rides			
Recently planted trees			
Dead wood		✓	Single large oak in SE corner.
Other			
Hedgerows			
Cut Hedge	With standards		
	Without standards		
Uncut Hedge	With standards		
	Without standards		
Overgrown Hedge	With standards		
	Without standards		
Rivers/Water Bodies			
Fishing	Heavy		
	Light (not obvious)		
Bank management	Fenced off		
	Unmanaged		
	Grazed		
	Cut		
Disturbance, Damage & Dumping			
Invasive aliens			
Heavy amenity use			
Heavily disturbed			
Dumping impact		✓	Burnt out motorbike. Some localised trampling.
Vehicular impact			
Fly tipping		✓	Small pile of fly tipping near SW corner.
Other			

Management	
What is the current management of the site? None	
What management is recommended to maintain / improve the biodiversity of the site?	
Primary Habitat	Grazing
Secondary Habitat	Control of scrub. Woodland – non-intervention.
Other Habitats	
Is grazing appropriate for this site? Yes	
Is the site stockproof?	No
Does the site have water for stock?	No
Is the site accessible to a vehicle?	No
Was any management discussed with the land owner, and if so, what? No	
Other Comments regarding site management Recommend that this site is declared a LWS.	

Phase 1 Habitat Map of Hoddesdon Grasslands



Key to LWS Phase 1 Habitat Maps

	Semi-natural broadleaved woodland		Scattered scrub
	Plantation broadleaved woodland		Broadleaved trees
	Plantation coniferous woodland		Marginal vegetation
	Plantation mixed woodland		Running water
	Dense scrub		Species poor intact hedgerow
	Scattered scrub		Species rich intact hedgerow with trees
	Scattered broadleaved trees		Species poor intact hedgerow with trees
	Acid grassland		Fence
	Semi-improved acid grassland		Wall
	Neutral grassland		Dry ditch
	Semi-improved neutral grassland		Boundary removed
	Marshy grassland		Scattered scrub
	Continuous bracken		Broadleaved tree
	Tall ruderal vegetation		Coniferous tree
	Marginal vegetation		
	Swamp		
	Standing water		
	Amenity grassland		
	Buildings		
	Bare ground		