

Bradford Wildlife Area – Evaluation Against Local Wildlife Site Criteria

Site Name/ Code: Prince of Wales Park, BWA 133	Location: north-east of Bingley
Date of Survey: 16/07/2012	Surveyor: E. Skinner, West Yorkshire Ecology
Grid Reference: SE115401 Post Code: BD16 3DF	Site Area (Ha): 7.52
Natural Area: Southern Pennines	Public Access: yes
NVC Communities: A112 base-rich (Phase 1), A112 (Phase 1), A112 beech wood, A122 conifer wood (Phase1), H9, MG1, MG6, W16	

Site Description

Prince of Wales Park is located just to the north-east of Bingley, and west of Eldwick. It is mostly surrounded by developed land, with horse grazed fields to the north-east of the site, and Gilstead Moor Edge - BWA 144, located just south of this site. There are paths throughout the wood and the site is well used, for recreation, by people in the local vicinity.

There is an area of broad-leaved planted woodland, A112, across the central-western part of the site. This contains quite a range of species, with a number of introduced ones. The species list includes: occasional *Acer pseudoplatanus* and *Fraxinus excelsior*, and rare *Quercus robur*, *Q. petraea*, *Betula pubescens* and *B. pendula* in the canopy, with *Ilex aquifolium*, *Prunus laurocerasus*, *Taxus baccata* and *Rhododendron ponticum* in the shrub layer, and occasional *Deschampsia cespitosa*, *Epilobium montanum*, *Geum urbanum*, *Geranium robertianum*, *Holcus lanatus*, *Juncus effusus*, *Mycelis muralis*, *Rubus fruticosus*, *Rumex acetosa*, *Viola riviniana* and *Urtica dioica*, and locally frequent *Pteridium aquilinum*, *Ranunculus repens*, *Dactylis glomerata*, *Aegopodium podagraria* and *Hedera helix* in the ground flora.

There is an area of A112 beech woodland, covering some of the western side of the site. This contains species including: frequent *Fagus sylvatica* and occasional *Quercus petraea*, *Betula pubescens* and *Pinus sylvestris* in the canopy, with occasional *Ilex aquifolium* and *Sorbus aucuparia* in the shrub layer, and occasional *Rubus fruticosus* and *Dryopteris dilatata*, locally frequent *Hedera helix*, and rare *Carex sylvatica* and *Digitalis purpurea* in the ground flora.

To the southern part of the site, and bordering the eastern and northern edges, there is a cover of A112 base-rich woodland. This is of a neutral soil type and is host to species such as: frequent *Acer pseudoplatanus*, occasional *Fraxinus excelsior*, *Fagus sylvatica* and *Aesculus hippocastanum*, and rare *Quercus petraea* and *Betula pubescens* in the canopy, occasional *Ilex aquifolium*, *Sorbus aucuparia* and *Ulmus glabra* saplings in the shrub layer, and frequent *Hedera helix*, occasional *Pteridium aquilinum*, *Rubus fruticosus*, *Dryopteris dilatata* and *Epilobium montanum* and rare *Brachypodium sylvaticum*, *Circaea lutetiana*, *Millium effusum* and *Dryopteris affinis* in the ground flora.

A smaller area of A122, planted conifer woodland, is present to the central part of the site. There is a rocky outcrop within this area. Species present are: frequent *Pinus sylvestris*, and occasional *Betula pubescens* and *Fagus sylvatica* in the canopy, occasional *Rhododendron ponticum* in the shrub layer, and occasional *Deschampsia flexuosa*, *Dryopteris dilatata* and *Dactylis glomerata*, locally frequent *Pteridium aquilinum* and rare *Vaccinium myrtillus* in the ground flora.

Much of the northern part of the site is covered by W16 acidic woodland. This contains species including: frequent *Quercus petraea* and *Betula pubescens* in the canopy, with occasional *Ilex aquifolium*, *Sorbus aucuparia* and *Taxus baccata* in the shrub layer, and occasional *Calluna vulgaris*, *Vaccinium myrtillus*, *Deschampsia flexuosa*, *Dryopteris dilatata* and *Rubus fruticosus*, and locally frequent *Pteridium aquilinum* in the ground flora.

There are a few glades within, and adjacent to, the W16 woodland, which contain dense stands of bracken.

A larger glade, within the W16 wood, is covered by H12 heath. This contains: frequent *Calluna vulgaris* and *Vaccinium myrtillus*, and occasional *Deschampsia flexuosa*, *D. cespitosa*, *Festuca ovina* and *Quercus petraea* saplings.

A section of B12 acidic grassland is present, adjacent to the heath. This is host to: frequent *Deschampsia cespitosa*, occasional *Calluna vulgaris*, *Deschampsia flexuosa* and *Holcus lanatus*, locally frequent *Vaccinium myrtillus* and rare *Juncus squarrosus*, *Hypochaeris radicata* and *Betula pubescens* saplings.

There are also a couple of small sections of MG6 neutral grassland within this mosaic, and they contain: frequent *Lolium perenne* and *Trifolium repens*, occasional *Cynosurus cristatus*, *Dactylis glomerata*, *Holcus lanatus*, *Hypochaeris radicata*, *Plantago lanceolata* and *P. major*.

A small patch of MG1 neutral grassland is present, alongside this mosaic of habitats, next to the pathway. It contains: frequent *Holcus lanatus*, occasional *Arrhenatherum elatius*, *Dactylis glomerata* and *Chamerion angustifolium*.

Fauna recorded during the site visit were: robin, carrion crow and jay (all heard calling), wren (alarm call) and woodpigeon. A ringlet butterfly was also seen. There are existing records of purple hairstreak and speckled wood butterflies.

Prince of Wales Park – BWA 133 – Survey Date 16/07/2012
Species Lists – West Yorkshire Ecology

Latin Name	Common Name	Abundance (DAFOR)/ Comments
A112 broad-leaved planted woodland		
<i>Acer pseudoplatanus</i>	Sycamore	O occasional
<i>Aegopodium podagraria</i>	Ground-elder	LF
<i>Aesculus hippocastanum</i>	Horse-chestnut	R
<i>Anthriscus sylvestris</i>	Cow Parsley	R
<i>Astilbe</i>	Astilbe	R, garden escape
<i>Athyrium filix-femina</i>	Lady-fern	R
<i>Avena sativa</i>	Oat	R
<i>Berberis</i>	Berberis	R, garden escape
<i>Betula pendula</i>	Silver Birch	R
<i>Betula pubescens</i>	Downy Birch	R
<i>Brachypodium sylvaticum</i>	False-brome	R
<i>Bromus</i>	Bromus	R
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	R
<i>Chamerion angustifolium</i>	Rosebay Willowherb	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	R
<i>Cotoneaster</i>	Cotoneaster	R
<i>Cupressus</i>	Cypress	R
<i>Cytisus scoparius</i>	Broom	R
<i>Dactylis glomerata</i>	Cock's-foot	LF
<i>Deschampsia cespitosa</i>	Tufted Hairgrass	O
<i>Digitalis purpurea</i>	Foxglove	R
<i>Epilobium montanum</i>	Broad-leaved Willowherb	O
<i>Equisetum palustre</i>	Marsh Horsetail	R
<i>Fagus sylvatica</i>	Beech	R
<i>Fagus sylvatica subsp. purpurea</i>	Copper Beech	R, introduced
<i>Fallopia japonica</i>	Japanese Knotweed	R
<i>Fraxinus excelsior</i>	Ash	O
<i>Galium aparine</i>	Cleavers	R
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Geum urbanum</i>	Wood Avens	O
<i>Hedera helix</i>	Ivy	LF
<i>Heracleum sphondylium</i>	Hogweed	R
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Hyacinthoides non-scripta</i>	Bluebell	R
<i>Hydrangea</i>	Hydrangea	R, introduced
<i>Hypericum androsaemum</i>	Tutsan	R, planted
<i>Ilex aquifolium</i>	Holly	O
<i>Iris</i>	Iris	R
<i>Juncus effusus</i>	Soft-rush	O
<i>Lapsana communis</i>	Nipplewort	R
<i>Ligustrum ovalifolium</i>	Garden Privet	R
<i>Luzula sylvatica</i>	Great Wood-rush	R
<i>Meconopsis cambrica</i>	Welsh Poppy	R
<i>Mycelis muralis</i>	Wall Lettuce	O
<i>Myosotis sylvatica</i>	Wood Forget-me-not	R
<i>Pentaglottis sempervirens</i>	Green Alkanet	R, garden escape

<i>Phragmites australis</i>	Common Reed	R
<i>Pilosella aurantiaca</i>	Fox-and-cubs	R
<i>Plantago major</i>	Greater Plantain	R
<i>Poa annua</i>	Annual Meadow-grass	LF
<i>Poa trivialis</i>	Rough Meadow-grass	R
<i>Polygonatum x hybridum</i>	Garden Solomon's-seal	R
<i>Prunella vulgaris</i>	Selfheal	R
<i>Prunus avium</i>	Wild Cherry	R
<i>Prunus laurocerasus</i>	Cherry Laurel	O
<i>Pteridium aquilinum</i>	Bracken	LF
<i>Quercus petraea</i>	Sessile Oak	R
<i>Quercus robur</i>	Pedunculate Oak	R
<i>Ranunculus acris</i>	Meadow Buttercup	R
<i>Ranunculus repens</i>	Creeping Buttercup	LF
<i>Rhododendron ponticum</i>	Rhododendron	O
<i>Ribes sanguineum</i>	Flowering Currant	R
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Rumex</i>	Rumex	O
<i>Rumex acetosa</i>	Common Sorrel	O
<i>Rumex obtusifolius</i>	Broad-leaved Dock	R
<i>Salix cinerea</i>	Grey Willow	R
<i>Sambucus nigra</i>	Elder	R
<i>Senecio jacobaea</i>	Common Ragwort	R
<i>Senecio jacobaea</i>	Common Ragwort	R
<i>Silene dioica</i>	Red Campion	R
<i>Sonchus asper</i>	Prickly Sow-thistle	R
<i>Sorbus aucuparia</i>	Rowan	R
<i>Stellaria media</i>	Common Chickweed	R
<i>Symphoricarpos albus</i>	Snowberry	LF
<i>Tanacetum parthenium</i>	Feverfew	R, planted
<i>Taraxacum officinale agg.</i>	Dandelion	O
<i>Taxus baccata</i>	Yew	O
<i>Ulmus glabra</i>	Wych Elm	R
<i>Urtica dioica</i>	Common Nettle	O
<i>Viola riviniana</i>	Common Dog-violet	O
Grassy, open patch		
<i>Bellis perennis</i>	Daisy	O
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	R
<i>Holcus lanatus</i>	Yorkshire-fog	F
<i>Plantago major</i>	Greater Plantain	R
<i>Prunella vulgaris</i>	Selfheal	O
<i>Ranunculus repens</i>	Creeping Buttercup	O
<i>Taraxacum officinale agg.</i>	Dandelion	O
<i>Trifolium repens</i>	White Clover	O
<i>Veronica chamaedrys</i>	Germander Speedwell	R
A112 beech woodland		
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Betula pubescens</i>	Downy Birch	O
<i>Carex sylvatica</i>	Wood-sedge	R
<i>Digitalis purpurea</i>	Foxglove	R
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Epilobium montanum</i>	Broad-leaved Willowherb	R

<i>Fagus sylvatica</i>	Beech	F
<i>Hedera helix</i>	Ivy	LF
<i>Hypericum androsaemum</i>	Tutsan	R
<i>Ilex aquifolium</i>	Holly	O
<i>Mycelis muralis</i>	Wall Lettuce	R
<i>Pinus sylvestris</i>	Scots Pine	O
<i>Prunus laurocerasus</i>	Cherry Laurel	R
<i>Quercus petraea</i>	Sessile Oak	O
<i>Rhododendron ponticum</i>	Rhododendron	F
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	R
<i>Senecio jacobaea</i>	Common Ragwort	R
<i>Sorbus</i>	Whitebeam	R
<i>Sorbus aucuparia</i>	Rowan	O
<i>Taxus baccata</i>	Yew	R
<i>Tilia x europaea</i>	Lime	R

Scrub

<i>Cytisus scoparius</i>	Broom	LF
<i>Hieracium</i>	Hawkweed	R
<i>Ilex aquifolium</i>	Holly	R
<i>Prunus laurocerasus</i>	Cherry Laurel	R
<i>Rubus fruticosus</i> agg.	Bramble	LF

MG6 neutral grassland

<i>Cynosurus cristatus</i>	Crested Dog's-tail	O
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Hypochaeris radicata</i>	Cat's-ear	O
<i>Lolium perenne</i>	Perennial Rye-grass	F
<i>Plantago lanceolata</i>	Ribwort Plantain	O
<i>Plantago major</i>	Greater Plantain	O
<i>Ranunculus acris</i>	Meadow Buttercup	R
<i>Senecio jacobaea</i>	Common Ragwort	O
<i>Taraxacum officinale</i> agg.	Dandelion	O
<i>Trifolium repens</i>	White Clover	F

A112 neutral woodland

<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Aesculus hippocastanum</i>	Horse-chestnut	O
<i>Betula pubescens</i>	Downy Birch	R
<i>Brachypodium sylvaticum</i>	False-brome	R
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	R
<i>Castanea sativa</i>	Sweet Chestnut	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	R
<i>Corylus avellana</i>	Hazel	R
<i>Crataegus monogyna</i>	Hawthorn	LF
<i>Dryopteris affinis</i>	Scaly Male-fern	R
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Epilobium montanum</i>	Broad-leaved Willowherb	O
<i>Fagus sylvatica</i>	Beech	O
<i>Fallopia japonica</i>	Japanese Knotweed	R
<i>Fraxinus excelsior</i>	Ash	O
<i>Galium aparine</i>	Cleavers	R

<i>Hedera helix</i>	Ivy	F
<i>Heracleum sphondylium</i>	Hogweed	R
<i>Hyacinthoides non-scripta</i>	Bluebell	R
<i>Ilex aquifolium</i>	Holly	O
<i>Laburnum anagyroides</i>	Laburnum	R
<i>Lapsana communis</i>	Nipplewort	R
<i>Ligustrum ovalifolium</i>	Garden Privet	LF
<i>Milium effusum</i>	Wood Millet	R
<i>Mycelis muralis</i>	Wall Lettuce	R
<i>Claytonia sibirica</i>	Pink Purslane	R
<i>Prunus laurocerasus</i>	Cherry Laurel	LF
<i>Pteridium aquilinum</i>	Bracken	O
<i>Quercus petraea</i>	Sessile Oak	R
<i>Rhododendron ponticum</i>	Rhododendron	R
<i>Ribes sanguineum</i>	Flowering Currant	R
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	R
<i>Senecio jacobaea</i>	Common Ragwort	R
<i>Sorbus</i>	Whitebeam	O
<i>Sorbus aucuparia</i>	Rowan	O
<i>Symphoricarpos albus</i>	Snowberry	R
<i>Taxus baccata</i>	Yew	O
<i>Tilia x europaea</i>	Lime	R
<i>Ulmus glabra</i>	Wych Elm	O
<i>Urtica dioica</i>	Common Nettle	R

A122 conifer woodland

<i>Agrostis capillaris</i>	Common Bent	LF
<i>Betula pubescens</i>	Downy Birch	O
<i>Cytisus scoparius</i>	Broom	R
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	O
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Fagus sylvatica</i>	Beech	O (saplings)
<i>Pinus sylvestris</i>	Scots Pine	F
<i>Pteridium aquilinum</i>	Bracken	LF
<i>Quercus petraea</i>	Sessile Oak	R
<i>Rhododendron ponticum</i>	Rhododendron	O
<i>Rubus fruticosus</i> agg.	Bramble	R
<i>Vaccinium myrtillus</i>	Bilberry	R

H12 heathland

<i>Betula pubescens</i>	Downy Birch	O
<i>Calluna vulgaris</i>	Heather	F
<i>Chamerion angustifolium</i>	Rosebay Willowherb	R
<i>Deschampsia cespitosa</i>	Tufted hairgrass	O
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	O
<i>Festuca ovina</i>	Sheep's-fescue	O
<i>Holcus lanatus</i>	Yorkshire-fog	LF
<i>Pinus sylvestris</i>	Scots Pine	R
<i>Quercus petraea</i>	Sessile Oak	O (saplings)
<i>Rubus fruticosus</i> agg.	Bramble	R
<i>Vaccinium myrtillus</i>	Bilberry	F

W16 acidic woodland

<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Agrostis capillaris</i>	Common Bent	LF
<i>Betula pendula</i>	Silver Birch	R
<i>Betula pubescens</i>	Downy Birch	F
<i>Calluna vulgaris</i>	Heather	O
<i>Dactylis glomerata</i>	Cock's-foot	R
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	O
<i>Digitalis purpurea</i>	Foxglove	R
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Fagus sylvatica</i>	Beech	R
<i>Galium aparine</i>	Cleavers	R
<i>Ilex aquifolium</i>	Holly	O
<i>Lonicera periclymenum</i>	Honeysuckle	R
<i>Pinus sylvestris</i>	Scots Pine	O
<i>Prunus laurocerasus</i>	Cherry Laurel	R
<i>Pteridium aquilinum</i>	Bracken	LF
<i>Quercus petraea</i>	Sessile Oak	F
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sorbus</i>	Whitebeam	R
<i>Sorbus aucuparia</i>	Rowan	O
<i>Taxus baccata</i>	Yew	O
<i>Vaccinium myrtillus</i>	Bilberry	O

MG1 neutral grassland

<i>Arrhenatherum elatius</i>	False Oat-grass	O
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Holcus lanatus</i>	Yorkshire-fog	F
<i>Chamerion angustifolium</i>	Rosebay Willowherb	O
<i>Taraxacum officinale</i> agg.	Dandelion	O

B12 semi-improved acidic grassland

<i>Agrostis capillaris</i>	Common Bent	F
<i>Betula pubescens</i>	Downy Birch	R (saplings)
<i>Calluna vulgaris</i>	Heather	O
<i>Deschampsia cespitosa</i>	Tufted hairgrass	F
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	O
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Hypochaeris radicata</i>	Cat's-ear	R
<i>Juncus squarrosus</i>	Heath Rush	R
<i>Vaccinium myrtillus</i>	Bilberry	LF

Bracken vegetation

<i>Pteridium aquilinum</i>	Bracken	D
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Fauna

<i>Aphantopus hyperantus</i>	Ringlet	
<i>Columba palumbus</i>	Woodpigeon	
<i>Corvus corone</i>	Carrion Crow	calling
<i>Erithacus rubecula</i>	Robin	calling
<i>Garrulus glandarius</i>	Jay	calling
<i>Troglodytes troglodytes</i>	Wren	alarm call