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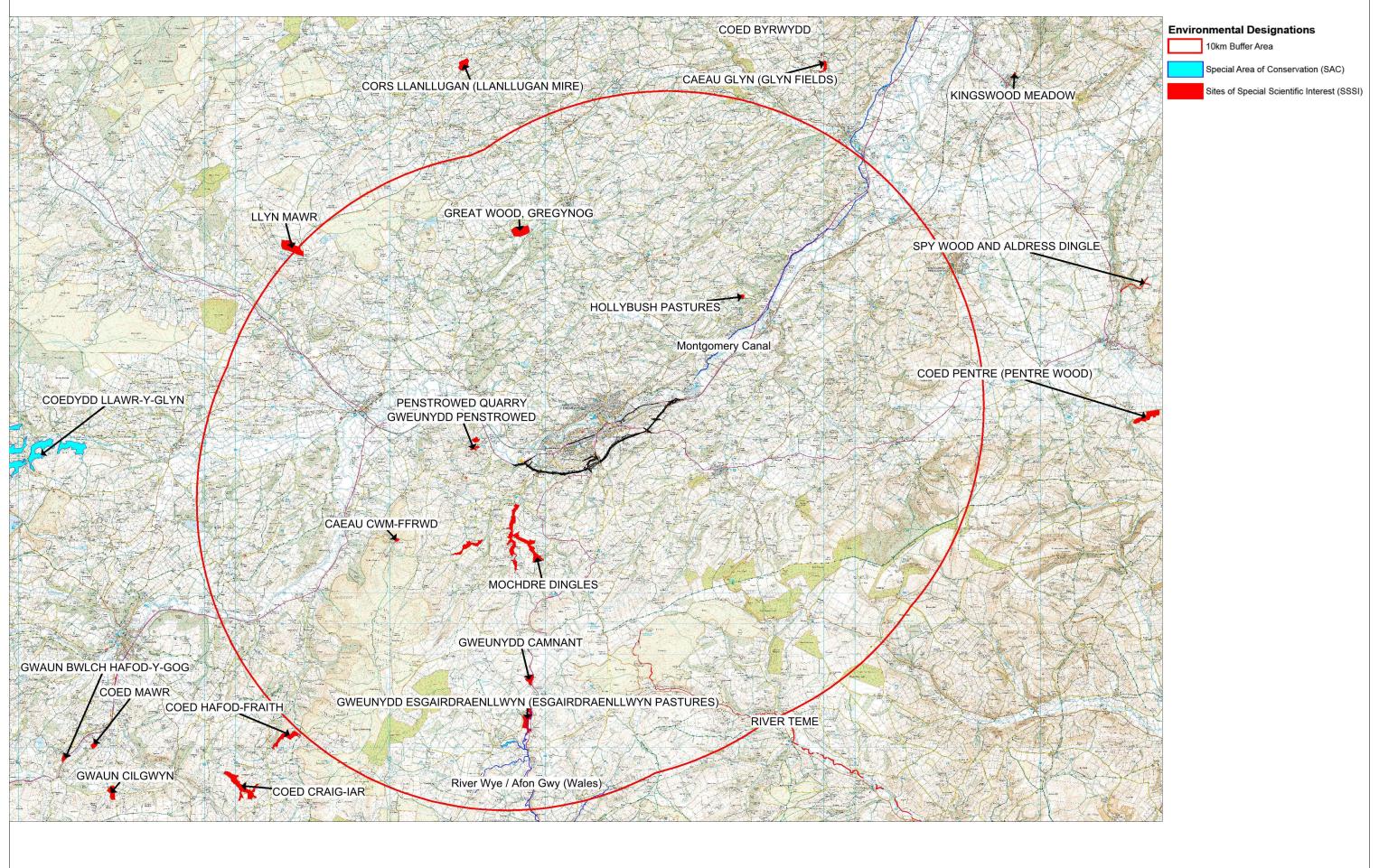
A483/A489 **Newtown Bypass**

Job Title

Environmental Statement Nature Conservation Ecological Designations Sheet 1 of 2

Drawing Title

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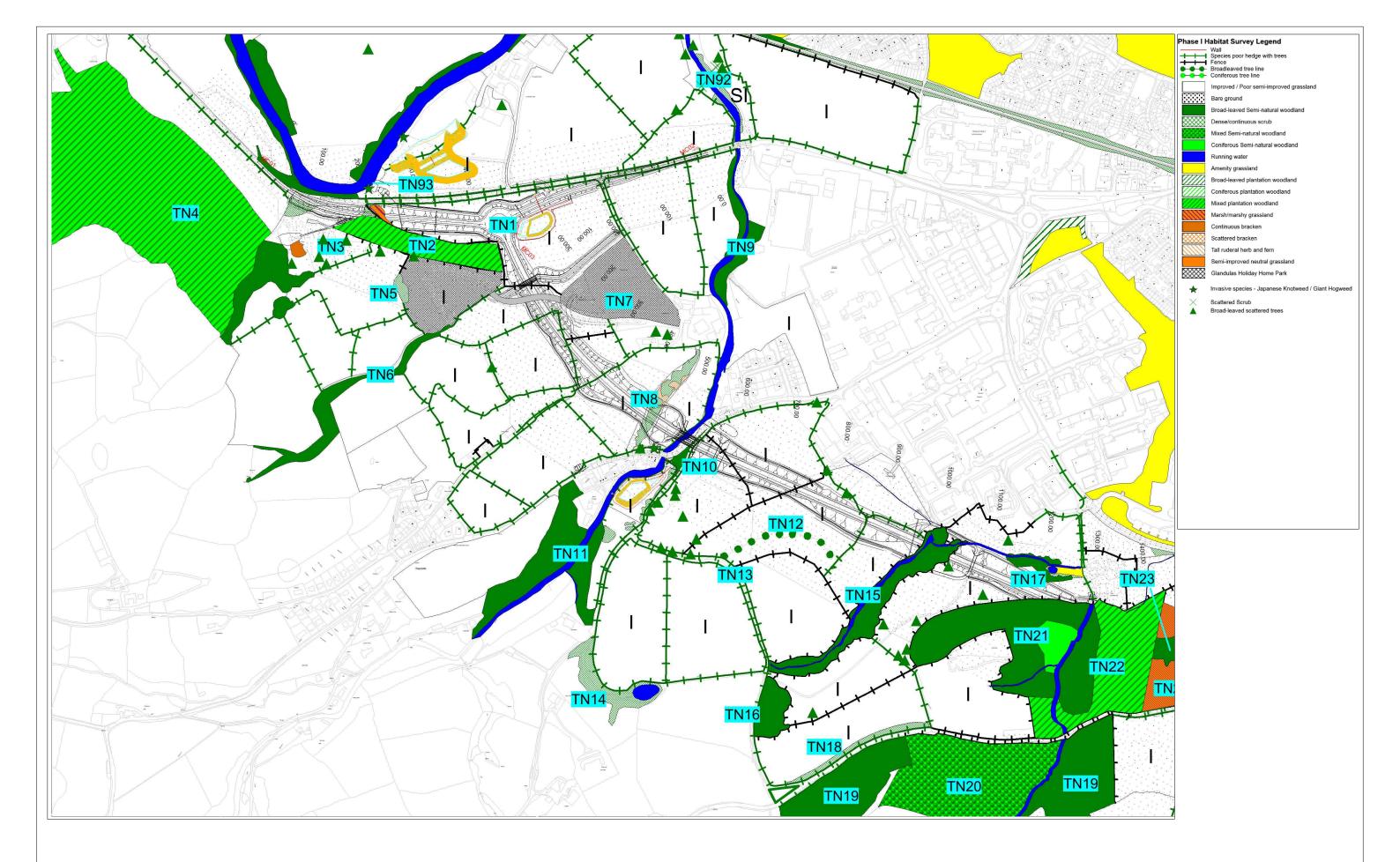
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Job Title

A483/A489 Newtown Bypass Drawing Title

Environmental Statement Nature Conservation Ecological Designations Sheet 2 of 2

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A483/A489 **Newtown Bypass** **Environmental Statement**

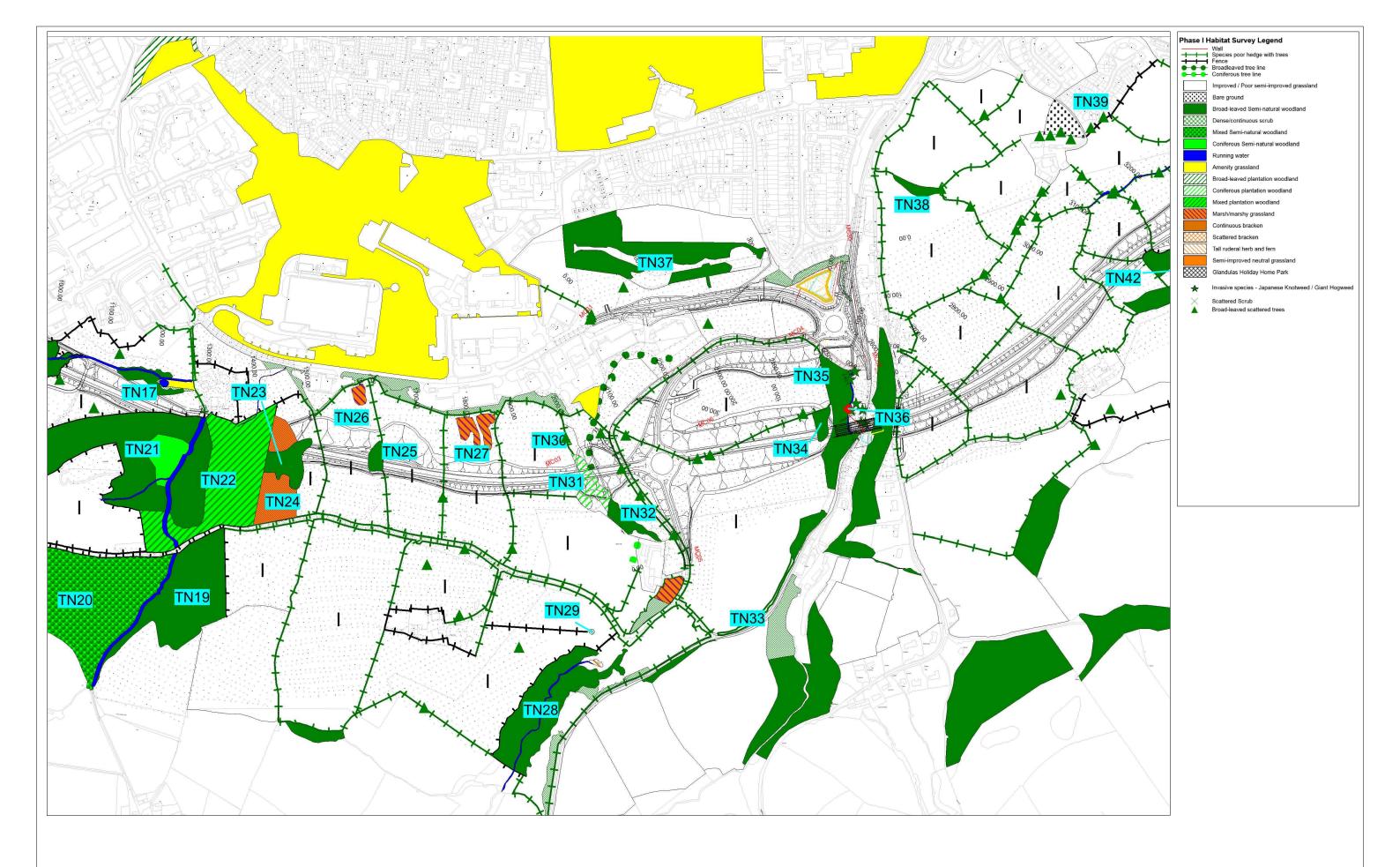
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Job Title

Nature Conservation Phase 1 Habitat Survey Sheet 1 of 9

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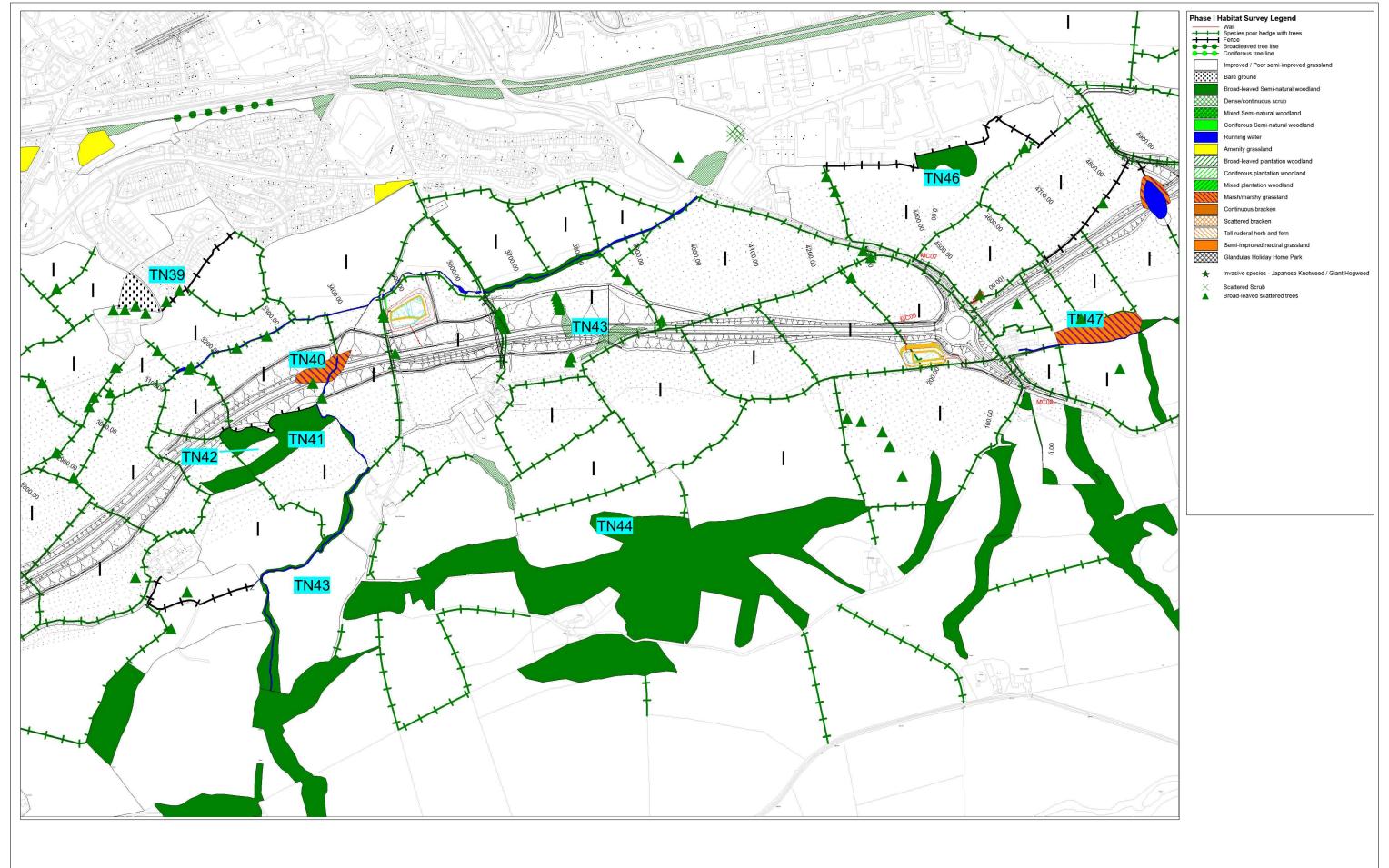
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Newtown Bypass

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Environmental Statement Nature Conservation Phase 1 Habitat Survey Sheet 2 of 9

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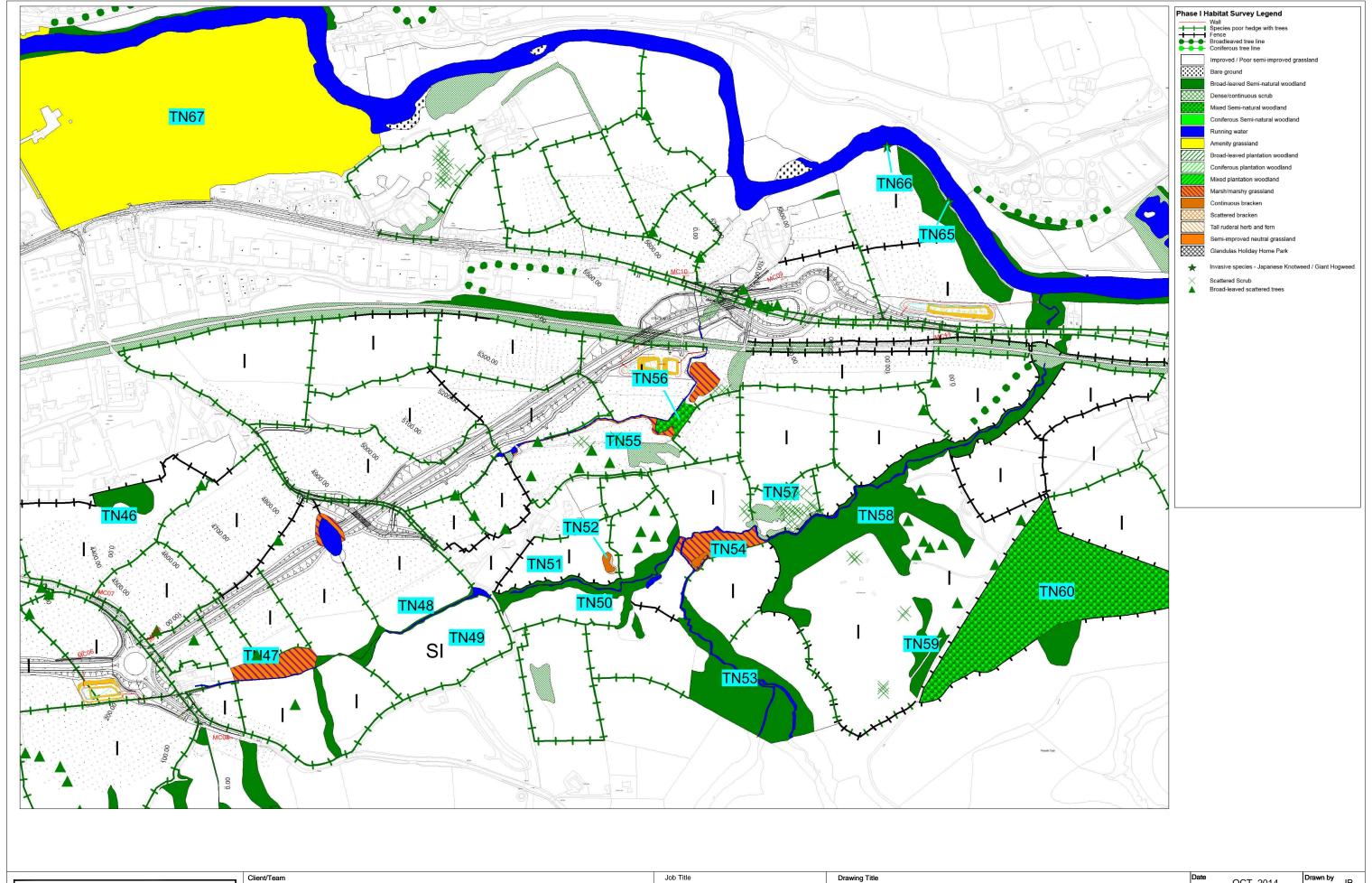
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A483/A489 Newtown Bypass Drawing Title

Environmental Statement Nature Conservation Phase 1 Habitat Survey Sheet 3 of 9

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Phase | Habitat Survey Target Notes

Target Note 1 -Improved agricultural field, drainage ditch along boundary with woodland, small rush dominated improved marshy grassland area to western corner, very wet at time of survey

Target Note 2 - A mixed woodland (c.60% conifer, 40% broad-leaved) to 20m tall but patchy in cover on a steep slope with the central portion dominated by Larch (Larix decidua) and the eastern and western ends by Ash (Fraxinus excelsior) and Beech (Fagus slyvatica) with Sycamore (Acer pseudoplatanus) and pedunculate oak (Quercus robur). There is a well-developed lower hedge dominated by Hazel (Corylus avellana) with Holly (Ilex aquifolium) and Hawthorn (Crataegus monogyna). The ground layer is patchy and generally poor being grazed with some open grassy areas, patches of Nettles (Urtica dioica) and Bramble (Rubus fruticosus agg), and at the western end Bracken (Pteridium aquilinum) and Bramble.

Target Note 3 - Agricultural field with scattered mature scrub and broad-leaved trees, area of dense Bracken (Pteridium aquilinum) cover adjacent to the north west boundary

Target Note 4 - Mixed plantation woodland, limited ground flora due to dense canopy

Target Note 5 - Dense scrub on field boundary, dominated by European Gorse (Ulex europeaus)

Target Note 6 – Broad-leaved woodland along small stream, limited ground flora due to grazing and canopy cover, spp include: Oak, Hazel (Corylus avellana), Holly,

Target Note 7 - Holiday Park, areas of amenity grassland and small gardens

Target Note 8 - Slope between agriculturally improved fields, areas of dense Hawthorn (Crataegus monogyna) and Blackthorn (Prunus spinosa) scrub and scattered Bracken, improved grassland species dominate ground flora. A rabbit burrow is also present within this area. spp include: Yorkshire Fog, Perennial Rye Grass (Lolium perenne)

Target Note 9 - Broad-leaved woodland and mature scrub along tributary riverbank, spp include: Oak, Willow spp (Salix spp), European Gorse, Wild Garlic (Allium

Target Note 10 - Small Ash (Fraxinus excelsior) dominated wooded area on steep embankment between main road and single vehicle lane, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	А
Fraxinus excelsior	Ash	D
Salix cinerea	Grey Willow	0
Understorey and Ground La	yer	
Ajuga reptans	Bugle	0
Allium ursinum	Wild Garlic	F
Anthriscus sylvestris	Cow Parsley	A
Cerastium fontanum	Common Mouse-Ear	0
Cirsium spp	Thistle spp	F
Festuca spp	Fescue spp	А
Galium aparine	Cleavers	F
Geranium robertianum	Herb Robert	F
Hedera helix	lvy	F
Heracleum sphondylium	Hogweed	R
Holcus lanatus	Yorkshire Fog	Α
Myosotis arvensis	Field Forget-Me-Not	R
Prunella vulgaris	Self Heal	0
Rosa arvensis	Field Rose	0
Rubus fruticosus agg	Bramble	F
Taraxacum officinale	Dandelion	F
Vicia spp	Vetch spp	R

Target Note 11 - Ash dominated woodland on steep stream embankment and adjacent dense Blackthorn scrub, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Betula pendula	Silver Birch	R
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	D
llex aquifolium	Holly	О
Quercus spp	Oak	A
Salix cinerea	Grey Willow	0
Understorey and Ground Lay	er	
Allium ursinum	Wild Garlic	Α
Anemone nemorosa	Wood Anemone	F/LA
Anthriscus sylvestris	Cow Parsley	R
Arum maculatum	Lords and Ladies	R
Cirsium spp	Thistle spp	R
Hedera helix	lvy	0
Hyacinthoides non-scripta	Bluebell	F/LA
Mercurialis perennis	Dog's Mercury	O/LA
Orchis mascula	Early-Purple Orchid	0
Ranunculus ficaria	Lesser Celadine	Α
Rosa arvensis	Field Rose	R
Rubus fruticosus agg	Bramble	О
Rumex obtusifolius	Broad-Leaved Dock	R
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	R
Viola riviniana	Common Dog-Violet	О

Target Note 12 - Mature tree line within improved agricultural field, ground flora heavily sheep grazed as surrounding field, tree line dominated by Sycamore (Acer pseudoplatanus), Oak and Ash also present

Target Note 13 - Species poor hedgerow with adjacent species rich road verge, spp include: Blackthorn, Hawthorn, Bluebell, Primrose, Early Purple Orchid...

Target Note 14 - Mature dense Blackthorn scrub around farm pond

Target Note 15 - Ash dominated broad-leaved woodland along stream embankments, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Alnus glutinosa	Alder	А
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	D
llex aquifolium	Holly	0
Prunus spinosa	Blackthorn	0
Quercus spp	Oak	R
Understorey and Ground Layer	•	
Anemone nemorosa	Wood Anemone	А
Arum maculatum	Lords and Ladies	R
Caltha palustris	Marsh Marigold	R/LA
Cardamine pratensis	Cuckoo Flower	0
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	
Festuca spp	Fescue spp	F
Geum urbanum	Wood Avens	0
Holcus lanatus	Yorkshire Fog	R
Hyacinthoides non-scripta	Bluebell	Α
Lolium perenne	Perennial Ryegrass	F
Mercurialis perennis	Dog's Mercury	O/LA
Primula vulgaris	Primrose	F
Ranunculus ficaria	Lesser Celadine	А
Rosa arvensis	Field Rose	R
Rubus fruticosus agg	Bramble	0
Rumex obtusifolius	Broad-Leaved Dock	0
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	0

Target Note 16 - Small Ash dominated broad-leaved woodland on western boundary of improved sheep grazed grassland, spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	А
Fagus sylvatica	Beech	R
Fraxinus excelsior	Ash	D
Hex aquifolium	Holly	0
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	0
Understorey and Ground Lay	er	
Anemone nemorosa	Wood Anemone	0
Arum maculatum	Lords and Ladies	R
Conopodium majus	Pignut	R
Dactylis glomerata	Cock's Foot Grass	0
Holcus lanatus	Yorkshire Fog	0
Hyacinthoides non-scripta	Bluebell	F
Pteridium aquilinum	Bracken	О
Ranunculus ficaria	Lesser Celadine	Α
Rubus fruticosus agg	Bramble	Α
Viola riviniana	Common Dog-Violet	R

Target Note 17 - Small Ash dominated broad-leaved woodland on field embankment beside small stream, with a small pond and recreational ground to the east of the woodland, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Crataegus monogyna	Hawthorn	A
Fraxinus excelsior	Ash	D
llex aquifolium	Holly	R
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	R
Understorey and Ground Laye	er _	
Anemone nemorosa	Wood Anemone	0
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	R
Festuca spp	Fescue spp	F
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	0
Lolium perenne	Perennial Ryegrass	0
Primula vulgaris	Primrose	R
Ranunculus ficaria	Lesser Celadine	A
Rosa arvensis	Field Rose	R
Rubus fruticosus agg	Bramble	0
Rumex obtusifolius	Broad-Leaved Dock	0
Taraxacum officinale	Dandelion	R
Urtica dioica	Stinging Nettle	О

Target Note 18 - Mature Hawthorn scrub along steep roadside embankment spp

Species Name	Common Name	Abundance
Fraxinus excelsior	Ash	R
Corylus avellana	Hazel	F
Lonicera periclymenum	Honeysuckle	A
Rosa arvensis	Field Rose	О
Rubus fruticosus agg	Bramble	F
Salix cinerea	Grey Willow	R
Crataegus monogyna	Hawthorn	D

Target Note 19 - Ash and Oak broad-leaved woodland divided into two sections by mixed broad-leaved and coniferous wood, eastern section moderately sheep grazed and wetter than western section due to presence of natural springs and shallower slope gradient, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fagus sylvatica	Beech	0
Fraxinus excelsior	Ash	D
llex aquifolium	Holly	F
Prunus spinosa	Blackthorn	0
Quercus spp	Oak	Α
Understorey and Ground Layer	•	
Anemone nemorosa	Wood Anemone	F
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	R
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	R/LA
Cirsium spp	Thistle spp	R
Deschampsia cespitosa	Tufted Hair Grass	0
Holcus lanatus	Yorkshire Fog	F
Lonicera periclymenum	Honeysuckle	F
Moss spp 1	Moss spp 1	0
Moss spp 2	Moss spp 2	0
Primula vulgaris	Primrose	0
Ranunculus acris	Meadow Buttercup	0
Ranunculus ficaria	Lesser Celadine	Α
Ranunculus repens	Creeping Buttercup	0
Rubus fruticosus agg	Bramble	R
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	0
Ulex europaeus	European Gorse	R
Urtica dioica	Stinging Nettle	F

Target Note 20 - Mixed coniferous and broad-leaved woodland, diverse ground flora

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Conifer spp	Conifer spp	Α
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthorn	F
Fagus sylvatica	Beech	R
Fraxinus excelsior	Ash	F
llex aquifolium	Holly	0
Prunus spinosa	Blackthorn	0
Quercus spp	Oak	R
Understorey and Ground Layer	•	
Anemone nemorosa	Wood Anemone	F
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	R
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	R/LA
Cirsium spp	Thistle spp	R
Deschampsia cespitosa	Tufted Hair Grass	0
Galium aparine	Cleavers	F
Geranium robertianum	Herb Robert	0
Holcus lanatus	Yorkshire Fog	F
Lonicera periclymenum	Honeysuckle	Α
Mercurialis perennis	Dog's Mercury	O/LA
Moss spp 1	Moss spp 1	0
Primula vulgaris	Primrose	R
Pteridium aquilinum	Bracken	F
Ranunculus acris	Meadow Buttercup	R
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	R
Rubus fruticosus agg	Bramble	Α
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	R
Teucrium scorodonia	Wood Sage	0
Ulex europaeus	European Gorse	R
Urtica dioica	Stinging Nettle	F

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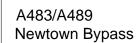












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Target Note 21 – Woodland of two types: 1. A dense conifer stand with little ground flora. 2. Broadleaved woodland. The woodland on the slopes is mainly Oak (*Quercus* robur), with hazel (Corylus avellana) with scattered ash (Fraxinus excelsior) mainly along the bottom edge. On the plateau at the top is a small area of ash coppice.

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	0
Conifer spp	Conifer spp	F
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	А
Fagus sylvatica	Beech	F
Fraxinus excelsior	Ash	F
llex aquifolium	Holly	F
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	А
Salix cinerea	Grey Willow	0
Understorey and Ground Lay	rer	
Allium ursinum	Wild Garlic	А
Anemone nemorosa	Wood Anemone	F
Arum maculatum	Lords and Ladies	R
Blechnum spicant	Hard Fern	R
Cardamine pratensis	Cuckoo Flower	R
Galium aparine	Cleavers	F
Glechoma hederacea	Ground Ivy	0
Holcus lanatus	Yorkshire Fog	O/LF
Hyacinthoides non-scripta	Bluebell	F/LD
Lolium perenne	Perennial Ryegrass	O/LF
Lonicera periclymenum	Honeysuckle	F
Mercurialis perennis	Dog's Mercury	0
Plantago lanceolata	Ribwort Plantain	R
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	O/LA
Ranunculus ficaria	Lesser Celadine	А
Ranunculus repens	Creeping Buttercup	F
Rubus fruticosus agg	Bramble	A
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	F
Urtica dioica	Stinging Nettle	F
Veronica filiformis	Slender Speedwell	R
Viola riviniana	Common Dog-Violet	R

Target Note 22 - Mixed wood dominated by coniferous species on eastern steep stream embankment, diverse ground flora limited to open areas and woodland edges due to dense conifer canopy in parts, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Conifer spp	Conifer spp	D
Corylus avellana	Hazel	R
Crataegus monogyna	Hawthorn	0
Fagus sylvatica	Beech	R
Fraxinus excelsior	Ash	R
llex aquifolium	Holly	R
Prunus spinosa	Blackthorn	R
Quercus spp	Oak	0
Understorey and Ground Lay	rer	
Allium ursinum	Wild Garlic	0
Anemone nemorosa	Wood Anemone	R
Arum maculatum	Lords and Ladies	R
Blechnum spicant	Hard Fern	R
Cardamine pratensis	Cuckoo Flower	R
Galium aparine	Cleavers	R
Glechoma hederacea	Ground Ivy	R
Holcus lanatus	Yorkshire Fog	O/LF
Hyacinthoides non-scripta	Bluebell	O/LF
Lolium perenne	Perennial Ryegrass	O/LF
Lonicera periclymenum	Honeysuckle	F
Plantago lanceolata	Ribwort Plantain	R
Primula vulgaris	Primrose	R
Pteridium aquilinum	Bracken	O/LA
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	R
Rubus fruticosus agg	Bramble	F
Rumex crispus	Curled Dock	R
Rumex obtusifolius	Broad-Leaved Dock	0
Taraxacum officinale	Dandelion	R
Urtica dioica	Stinging Nettle	0
Veronica filiformis	Slender Speedwell	R

Target Note 23 - Small wooded area within marshy grassland, ground flora limited due to moderate/heavy grazing, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Betula pendula	Silver Birch	R
Crataegus monogyna	Hawthorn	F
Fagus sylvatica	Beech	R
llex aquifolium	Holly	R
Prunus spinosa	Blackthorn	0
Quercus spp	Oak	D
Understorey and Ground La	ayer	
Anemone nemorosa	Wood Anemone	R
Cardamine pratensis	Cuckoo Flower	R
Moss spp	Moss spp	F
Primula vulgaris	Primrose	R
Pteridium aquilinum	Bracken	R
Ranunculus ficaria	Lesser Celadine	F
Rubus fruticosus agg	Bramble	0
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	F
Urtica dioica	Stinging Nettle	F
Viola riviniana	Common Dog-Violet	R

Target Note 24 - Semi-improved species poor marshy grassland, moderate/heavy horse grazing, will become more improved with continued heavy grazing, spp present:

Species Name	Common Name	Abundance
Bellis perennis	Daisy	R
Cirsium spp	Thistle spp	R
Festuca spp	Fescue spp	F
Holcus lanatus	Yorkshire Fog	0
Juncus effusus	Soft Rush	Α
Moss spp	Moss spp	Α
Plantago lanceolata	Ribwort Plantain	R
Plantago major	Greater Plantain	R
Primula vulgaris	Primrose	R
Ranunculus acris	Meadow Buttercup	0
Ranunculus ficaria	Lesser Celadine	0
Rumex crispus	Curled Dock	R
Taraxacum officinale	Dandelion	0

Target Note 25 - Small wood within the boundary of improved agricultural fields, western section dominated by broad-leaved species, eastern section dominated by coniferous species, ground flora consistent across both, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Western Section		
Betula pendula	Silver Birch	0
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthorn	F
Quercus spp	Oak	D
Sorbus aucuparia	Rowan	R
Eastern Section	•	
Conifer spp	Conifer spp	D
Corylus avellana	Hazel	0
Quercus spp	Oak	R
Understorey and Ground Lay	er	
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Blubell	0
Lolium perenne	Perennial Rye Grass	A
Poa pratensis	Smooth Meadow Grass	Α
Ranunculus ficaria	Lesser Celadine	0
Rumex obtusifolius	Broad-Leaved Dock	F
Sambucus nigra	Elder	R
Stellaria media	Common Chickweed	R
Urtica dioica	Stinging Nettle	F

Target Note 26 - Soft Rush (Juncus effuses) dominated marshy area within agriculturally improved grassland, few other marshy grassland species, located within a shallow valley like depression toward the base of an embankment

Target Note 27 - Soft Rush dominated areas along the northern section of agriculturally improved grassland, located within shallow depression at the base of field embankment, ground slopes towards stream along eastern boundary of field, few other marshy grassland species present

Target Note 28 - Broad-leaved woodland within steep sided stream valley, diverse ground flora with good continuous cover throughout, east embankment wetter than west embankment due to a number of small natural springs, spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	
Acer pseudoplatanus	Sycamore	0
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	A
Fagus sylvaticus	Beech	F
Fraxinus excelsior	Ash	F
llex aquifolium	Holly	0
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	A
Salix cinerea	Grey Willow	0
Understorey and Ground Layer	,	•
Anemone nemorosa	Wood Anemone	Α
Arum maculatum	Lords and Ladies	R
Asplenium scolopendrium	Hart's Tongue	R
Cardamine pratensis	Cuckoo Flower	F
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	O/LA
Cirsium spp	Thistle spp	R
Deschampsia cespitosa	Tufted Hair Grass	R
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	0
Geranium robertianum	Herb Robert	F
Geum urbanum	Wood Avens	0
Hedera helix	lvy	0
Holcus lanatus	Yorkshire Fog	0
Hyacinthoides non-scripta	Bluebell	A
Lolium perenne	Perennial Rye Grass	R
Lonicera periclymenum	Honeysuckle	F
Moss spp	Moss spp	O/LA
Oxalis acetosella	Wood Sorrell	O/LA
Primula vulgaris	Primrose	F
Pteridium aquilinum	Bracken	0
Ranunculus ficaria	Lesser Celadine	A
Ranunculus repens	Creeping Buttercup	E
Rubus fruticosus agg	Bramble	A
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	R/LA
Taraxacum officinale	Dandelion	0
Ulex europeaus	European Gorse	R/LA
Urtica dioica	Stinging Nettle	R/LA
Viola riviniana	Common Dog Violet	R

Target Note 29 - Small area of Hazel (Corylus avellana) within an agriculturally

Target Note 30 – Species rich embankment within agriculturally improved field, small quarry/exposed rock area adjacent to woodland, spp present:

Species Name	Common Name	Abundance
Alnus glutinosa	Alder	R/LF
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	0
Cirsium spp	Thistle spp	0
Corylus avellana	Hazel	R/LO
Crataegus monogyna	Hawthorn	R/LF
Digitalis purpurea	Foxglove	0
Fraxinus excelsior	Ash (sapling)	R
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	Α
Lolium perenne	Perennial Rye Grass	0
Potentilla spp	Potentilla spp	R
Primula vulgaris	Primrose	F
Prunus spinosa	Blackthom	R/LO
Pteridium aquilinum	Bracken	R/LF
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	Α
Rosa arvensis	Field Rose	0
Rubus fruticosus agg	Bramble	0
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	F
Sambucus nigra	Elder	0
Silene dioica	Red Campion	F
Urtica dioica	Stinging Nettle	F
Veronica chamaedrys	Germander Speedwell	R

Target Note 31 - Conifer dominated woodland, sparse but fairly diverse ground flora, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Alnus glutinosa	Alder	0
Conifer spp	Conifer spp	D
Crataegus monogyna	Hawthorn	0
Understorey and Ground Lay	er	
Cardamine pratensis	Cuckoo Flower	R
Conopodium majus	Pignut	R
Digitalis purpurea	Foxglove	R
Epilobium spp	Willowherb spp	R
Glechoma hederacea	Ground Ivy	R
Holcus lanatus	Yorkshire Fog	0
Hyacinthoides non-scripta	Bluebell	R
Lolium perenne	Perennial Rye Grass	0
Plantago lanceolata	Ribwort Plantain	R
Pteridium aquilinum	Bracken	0
Rubus fruticosus agg	Bramble	0
Silene dioica	Red Campion	R
Taraxacum officinale	Dandelion	R
Urtica dioica	Stinging Nettle	0

Target Note 32 - Broad-leaved dominated woodland, diverse ground flora with good continuous coverage, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Alnus glutinosa	Alder	F
Conifer spp	Conifer spp	R
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	Α
Prunus spinosa	Blackthom	F
Quercus spp	Oak	A
Sambucus nigra	Elder	0
Understorey and Ground Lay	er	
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	0
Digitalis purpurea	Foxglove	0
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	Α
Lolium perenne	Perennial Rye Grass	F
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	0
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	А
Ranunculus repens	Creeping Buttercup	F
Rumex crispus	Curled Dock	F
Rumex obtusifolius	Broad-Leaved Dock	F

Target Note 32 - Broad-leaved dominated woodland, diverse ground flora with good continuous coverage, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Alnus glutinosa	Alder	F'
Conifer spp	Conifer spp	R
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthom	F
Fraxinus excelsior	Ash	Α
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	Α
Sambucus nigra	Elder	0
Understorey and Ground Lay	er	
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	0
Digitalis purpurea	Foxglove	0
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	Α
Lolium perenne	Perennial Rye Grass	F F
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	O
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	Α
Ranunculus repens	Creeping Buttercup	F
Rumex crispus	Curled Dock	F
Rumex obtusifolius	Broad-Leaved Dock	F
Urtica dioica	Stinging Nettle	F
Veronica montana	Wood Speedwell	R

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Species Name	Common Name	Abundance
Hedge Layer		*
Acer pseudoplatanus	Sycamore	0
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthom	D
Fagus sylvatica	Beech	0
Ground Layer	1	
Acer campestre	Field Maple (seedling)	R
Anthriscus sylvestris	Cow Parsley	F
Arum maculatum	Lords and Ladies	0
Calystegia spp	Bindweed spp	R
Centaurea nigra	Knapweed	0
Cirsium spp	Thistle spp	R
Crataegus monogyna	Hawthom (low growth)	R
Cruciata laevipes	Crosswort	O/LF
Digitalis purpurea	Foxglove	0
Epilobium spp	Willowherb spp	0
Fesctuca spp	Fescue spp	0
Galium aparine	Cleavers	F
Galium odoratum	Woodruff	0
Geranium robertianum	Herb Robert	0
Glechoma hederacea	Ground Ivv	0
Hedera helix	lvy	O/LF
Heracleum sphondylium	Hogweed	R
Holcus lanatus	Yorkshire Fog	0
Hyacinthoides non-scripta	Bluebell	F
Lamia strum g ale obdolon	Yellow Archangel	R
Lathyrus linifolius	Bitter Vetchling	0
Lolium perenne	Perennial Rye Grass	0
Myosotis sylvatica	Wood Forget Me Not	R
Potentilla reptans	Creeping Cinquefoil	F
Potentilla spp	Potentilla spp	0
Pteridium aquilinum	Bracken	R
Quercus spp	Oak (seedling)	R
Ranunculus acris	Meadow Buttercup	F
Rosa arvensis	Field Rose	R
Rumex acetosa	Common Sorrell	0
Rumex crispus	Curled Dock	F
Rumex obtusifolius	Broad-Leaved Dock	F
Sambucus nigra	Elder	R
Silene dioica	Red Campion	0
Stellaria holostea	Greater Stitchwort	0
Taraxacum officinale	Dandelion	F
Urtica dioica	Stinging Nettle	F
Vicia sativa	Common Vetch	0
Vicia sepium	Bush Vetch	0
Alliaria petiolata	Jack By The Hedge	R

Target Note 34 - Small wooded area on top of field embankment, different

Species Name	Common Name	Abundance
Canopy Layer	*	
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	D
Prunus spinosa	Blackthom	F
Understorey and Ground Lay	er	
Anthriscus sylvestris	Cow Parsley	0
Arum maculatum	Lords and Ladies	R
Cirsium spp	Thistle spp	0
Conopodium majus	Pignut	0
Cruciata laevipes	Crosswort	R/LF
Heracleum sphondylium	Hogweed	0
Holcus lanatus	Yorkshire Fog	Α
Hyacinthoides non-scripta	Bluebell	F
Lolium perenne	Perennial Rye Grass	A
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	R
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	F
Rumex crispus	Curled Dock	F
Rumex obtusifolius	Broad-Leaved Dock	F
Sambucus nigra	Elder	R
Stellaria holostea	Greater Stitchwort	0
Taraxacum officinale	Dandelion	0
Trifolium pratense	Red Clover	0
Trifolium repens	White Clover	0
Urtica dioica	Stinging Nettle	F
Veronica chamaedrys	Germander Speedwell	R
Vicia sepium	Bush Vetch	R

Target Note 33 – Species rich embankment along roadside, recent tree clearance, spp present:

Target Note 35 – Broad-leaved woodland on steep embankment between agriculturally improved fields and single vehicle lane, diverse ground flora with continuous coverage, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	F
Conifer spp	Conifer spp	R
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthom	F
Fraxinus excelsior	Ash	Α
llex aquifolium	Holly	0
Prunus spinosa	Blackthom	F
Quercus spp	Oak	Α
Salix spp	Willow spp	0
Understorey and Ground Lay		
Anemone nemorosa	Wood Anemone	Α
Anthriscus sylvestris	Cow Parsley	0
Arum maculatum	Lords and Ladies	0
Calystegia spp	Bindweed spp	R
Cardamine pratensis	Cuckoo Flower	0
Conopodium majus	Pignut	0
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	F
Geranium robertianum	Herb Robert	F
Heracleum sphondylium	Hogweed	0
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	Α
Lamiastrum galeobdolon	Yellow Archangel	R
Lolium perenne	Perennial Rye Grass	0
Plantago lanceolata	Ribwort Plantain	0
Poa annua	Annual Meadow Grass	F
Primula vulgaris	Primrose	0
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	Α
Rumex obtusifolius	Broad-Leaved Dock	F
Sambucus nigra	Elder	R
Stellaria holostea	Greater Stitchwort	R
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	F
Vicia sativa	Common Vetch	0
Vicia sepium	Bush Vetch	0
Viola riviniana	Common Dog Violet	R

Target Note 36 - Dense mature Japanese Knotweed (Fallopia japonica) along stream banks, sparser younger growth downstream, suggests plants are spreading along stream

Target Note 37 - Broad-leaved dominated mixed woodland, horse grazed and machine cut agricultural fields adjacent, industrial and residential developments

Target Note 38 - Small broad-leaved woodland on stream/ditch embankments. streambed dry at the time of survey, some rubbish scattered around, spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	
Acer pseudoplatanus	Sycamore	F
Crataegus monogyna	Hawthom	Α
Fraxinus excelsior	Ash	D
llex aquifolium	Holly	R
Quercus spp	Oak	R
Understorey and Ground La	yer	
Anemone nemorosa	Wood Anemone	0
Anthriscus sylvestris	Cow Parsley	F
Arum maculatum	Lords and Ladies	R
Galium aparine	Cleavers	F
Hedera helix	lvy	0
Hyacinthoides non-scripta	Bluebell	F/LA
Melica uniflora	Wood Melick	0
Ranunculus ficaria	Lesser Celadine	Α
Rumex obtusifolius	Broad-Leaved Dock	F
Stellaria holostea	Greater Stitchwort	0
Taraxacum officinale	Dandelion	O
Urtica dioica	Stinging Nettle	F
Veronica chamaedrys	Germander Speedwell	R
Veronica persica	Common Field Speedwell	R
Alliaria petiolata	Jack By The Hedge	R

Target Note 39 - New residential development and building material storage area

Target Note 40 - Small marshy grassland area around natural flush within agriculturally improved sheep grazed fields, some standing water at time of survey, few individual tree species, spp present:

Species Name	Common Name	Abundance
Alnus glutinosa	Alder	R
Crataegus monogyna	Hawthom	R
Galium aparine	Cleavers	О
Holcus lanatus	Yorkshire Fog	Α
Juncus effusus	Soft Rush	A
Ranunculus repens	Creeping Buttercup	0
Rosa arvensis	Field Rose	R
Rubus fruticosus agg	Bramble	R
Rumex obtusifolius	Broad-Leaved Dock	F
Salix fragilis	Crack Willow	R
Urtica dioica	Stinging Nettle	F

Target Note 41 - Broad-leaved woodland, lacking understorey, some wetter woodland areas dominated by Willow (Salix spp), diverse ground flora with varied coverage due to sheep grazing and poaching, spp present:

Species Name	Common Name	Abundance
Canopy Layer		*
Acer campestre	Field Maple	0
Acer pseudoplatanus	Sycamore	0
Alnus glutinosa	Alder	F
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fagus sylvatica	Beech	F
Quercus spp	Oak	Α
Salix cinerea	Grey Willow	O/LF
llex aquifolium	Holly	
Understorey and Ground Lay	er	
Allium ursinum	Wild Garlic	0
Anemone nemorosa	Wood Anemone	O/LF
Anthriscus sylvestris	Cow Parsley	0
Caltha palustris	Marsh Marigold	R/LF
Cardamine pratensis	Cuckoo Flower	0
Conopodium majus	Pignut	R
Cytisus scoparius	Broom	O/LA
Digitalis purpurea	Foxglove	F
Geranium robertianum	Herb Robert	R
Hyacinthoides non-scripta	Bluebell	A
Melica uniflora	Wood Melick	R
Orchis mascula	Early Purple Orchid	R
Poa annua	Annual Meadow Grass	F
Potentilla spp	Potentilla spp	R
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	F
Ranunculus ficaria	Lesser Celadine	F/LD
Ranunculus repens	Creeping Buttercup	0
Rubus fruticosus agg	Bramble	R
Rumex obtusifolius	Broad-Leaved Dock	F
Silene dioica	Red Campion	R
Stellaria holostea	Greater Stitchwort	F
Stellaria media	Common Chickweed	Α
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	F
Veronica chamaedrys	Germander Speedwell	R
Veronica persica	Common Field Speedwell	R
Vicia sepium	Bush Vetch	R

Target Note 42 - Small species poor grassland area within the woodland area, different composition to adjacent improved grassland although composition suggests either poor semi improved or improved grassland habitat, spp present:

Species Name	Common Name	Abundance
Bellis perennis	Daisy	0
Cardamine pratensis	Cuckoo Flower	R
Carex spp	Sedge spp	R
Cirsium spp	Thistle spp	R
Holcus lanatus	Yorkshire Fog	Α
Hyacinthoides non-scripta	Bluebell	0
Lolium perenne	Perennial Rye Grass	F
Poa annua	Annual Meadow Grass	Α
Ranunculus acris	Meadow Buttercup	0
Rumex acetosa	Common Sorrell	R
Rumex crispus	Curled Dock	R
Taraxacum officinale	Dandelion	0
Trifolium repens	White Clover	0
Urtica dioica	Stinging Nettle	0

Target Note 43 - Broad-leaved woodland along banks of small farmland stream, diverse ground flora, continuous cover, different composition to surrounding improved grasslands, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	cD
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	cD
Quercus spp	Oak	R
Sorbus aucuparia	Rowan	R
Understorey and Ground Lay	er	
Allium ursinum	Wild Garlic	A
Anemone nemorosa	Wood Anemone	0
Cirsium spp	Thistle spp	R
Conopodium majus	Pignut	0
Deschampsia cespitosa	Tufted Hair Grass	R
Galium aparine	Cleavers	F
Hyacinthoides non-scripta	Bluebell	Α
Melica uniflora	Wood Melick	O/LA
Primula vulgaris	Primrose	R
Pteridium aquilinum	Bracken	0
Ranunculus ficaria	Lesser Celadine	F/LA
Ranunculus repens	Creeping Buttercup	0
Rosa arvensis	Field Rose	R
Rumex obtusifolius	Broad-Leaved Dock	F
Silene dioica	Red Campion	R
Stellaria holostea	Greater Stitchwort	R
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	F
Veronica montana	Wood Speedwell	0
Veronica persica	Common Field Speedwell	R

Target Note 44 - Large broad-leaved woodland area along field boundaries, some areas grazed and poached more than others, spp include: Oak, Ash, Holly, Bramble, Wild Garlic, Bluebell, Primrose, Meadow Buttercup, Creeping Buttercup

Target Note 45 - Area of disturbed ground between the broad-leaved woodland areas (TN43, TN44) comprised of dense Hawthorn and Blackthorn scrub within agricultural fields

Target Note 46 - Small broad-leaved woodland on field embankment, ground flora similar to surrounding improved grassland, moderately sheep grazed, Oak dominates

Target Note 47 - Soft Rush dominated area between agriculturally improved fields, area very wet at the time of survey, few other species present, spp include: Soft Rush, Yorkshire Fog, Perennial Rye Grass, Buttercup Spp

Target Note 48 - Mature Blackthorn and Willow scrub along small stream

Target Note 49 - Poor semi-improved grassland, horse grazed, some Bracken and European Gorse present

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Newtown Bypass

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Target Note 50 - Broad-leaved woodland along shallow stream, diverse ground flora, good continuous cover, small pond to south western boundary, spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	
Alnus glutinosa	Alder	F
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthom	F
Fraxinus excelsior	Ash	Α
llex aquifolium	Holly	R
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	Α
Salix cinerea	Grey Willow	R
Understorey and Ground Layer	r	
Arum maculatum	Lords and Ladies	R
Caltha palustris	Marsh Marigold	R/LF
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	R/LF
Cirsium spp	Thistle spp	R
Deschampsia cespitosa	Tufted Hair Grass	F
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	F
Geranium robertianum	Herb Robert	F
Geum urbanum	Water Avens	0
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	F
Juncus effusus	Soft Rush	R
Lolium perenne	Perennial Rye Grass	F
Mentha aquatica	Water Mint	R
Mercurialis perennis	Dog's Mercury	0
Moss spp	Moss spp	R
Primula vulgaris	Primrose	O/LF
Pteridium aquilinum	Bracken	R/LF
Ranunculus ficaria	Lesser Celadine	A
Rumex crispus	Curled Dock	0
Urtica dioica	Stinging Nettle	F
Pond Vegetation		
Carex spp	Sedge spp	0
Juncus effusus	Soft Rush	F
Mentha aquatica	Water Mint	Α
Typha latifolia	Bulrush	A

Target Note 51 - Rough improved grassland, not recently grazed, sward tall and tussocky, last year's growth remains, Soft Rush dominates along southern section beside woodland stream at the base of field slope, spp present:

Species Name	Common Name	Abundance
Cardamine pratensis	Cuckoo Flower	0
Deschampsia cespitosa	Tufted Hair Grass	Ä
Holcus lanatus	Yorkshire Fog	F
Juncus effusus	Soft Rush	O/LA
Plantago lanceolata	Ribwort Plantain	0
Pteridium aquilinum	Bracken	R/LF
Rumex acetosa	Commen Sorrell	0
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	F

Target Note 52 - Area within improved field with increased species diversity including some dense Bracken, spp present:

Species Name	Common Name	Abundance
Achillea millefolium	Yarrow	R
Ajuga reptans	Bugle	R
Anthriscus sylvestris	Cow Parsley	0
Cirsium spp	Thistle spp	0
Conopodium majus	Pignut	R
Digitalis purpurea	Foxglove	0
Galium aparine	Cleavers	F
Lotus corniculatus	Common Bird's Foot Trefoil	0
Myosotis sylvatica	Field Forget Me Not	R
Poa pratensis	Smooth Meadow Grass	F
Potentilla reptans	Creeping Cinquefoil	R
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	Α
Ranunculus acris	Meadow Buttercup	F
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	0
Stellaria holostea	Greater Stitchwort	0
Trifolium repens	White Clover	F
Veronica chamaedrys	Germander Speedwell	R
Vicia spp	Vetch spp	R

Target Note 53 - Broad-leaved woodland along steep sided stream valley between improved fields, diverse ground flora, good continuous coverage throughout wood except within the north west section where ground flora becomes sparse, spp

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	0
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	Α
Fagus sylvaticus	Beech	F
Fraxinus excelsior	Ash	F
llex aquifolium	Holly	0
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	D
Understorey and Ground Lay	er	
Anemone nemorosa	Wood Anemone	Α
Cerastium fontanum	Common Mouse-Ear	R
Deschampsia cespitosa	Tufted Hair Grass	0
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	F
Geranium robertianum	Herb Robert	F
Ge <i>um ur</i> banum	Wood Avens	F
Hedera helix	lvy	R
Holcus lanatus	Yorkshire Fog	0
Hyacinthoides non-scripta	Bluebell	A
Mercurialis perennis	Dog's Mercury	O/LA
Moss spp	Moss spp	0
Oxalis acetosella	Wood Sorrell	0
Primula vulgaris	Primrose	F
Pteridium aquilinum	Bracken	R
Ranunculus ficaria	Lesser Celadine	A
Rosa arvensis	Field Rose	0
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	0
Stellaria holostea	Greater Stitchwort	0
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	0
Veronica chamaedrys	Germander Speedwell	0
Veronica filiformis	Slender Speedwell	R
Viola riviniana	Common Dog Violet	R

Target Note 54 – Improved marshy grassland between a small stream along its north boundary and a currently dry drainage ditch to its south boundary, moderately

Species Name	Common Name	Abundance
Cardamine pratensis	Cuckoo Flower	R
Carex spp	Sedge spp	R
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	R/LA
Cirsium spp	Thistle spp	0
Deschampsia flexuosa	Wavy Hair Grass	F
Festuca spp	Fescue spp	Α
Holcus lanatus	Yorkshire Fog	F
Juncus effusus	Soft Rush	A
Lolium perenne	Perennial Rye Grass	0
Moss spp	Moss spp	R/LF
Pteridium aquilinum	Bracken	O/LD
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	0
Rumex obtusifolius	Broad-Leaved Dock	0
Taraxacum officinale	Dandelion	0
Trifolium pratense	Red Clover	0
Trifolium repens	White Clover	0
Urtica dioica	Stinging Nettle	0

Target Note 55 - Steep field embankment, dominated by Hawthorn and Blackthorn scrub, improved grassland species dominate ground flora, moderately sheep grazed. A small area of willow scrub is also present in the western corner of the field, along the boundary. spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	
Acer pseudoplatanus	Sycamore	R
Crataegus monogyna	Hawthom	D
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	R
Understorey and Ground Lay	er	
Anemone nemorosa	Wood Anemone	0
Cirsium spp	Thistle spp	R
Conopodium majus	Pignut	R
Holcus lanatus	Yorkshire Fog	A
Hyacinthoides non-scripta	Bluebell	F
Lathyrus linifolius	Bitter Vetchling	0
Lotus corniculatus	Common Bird's Foot Trefoil	0
Moss spp	Moss spp	R
Plantago lanceolata	Ribwort Plantain	F
Poa pratensis	Smooth Meadow Grass	A
Ranunculus acris	Meadow Buttercup	F
Lolium perenne	Perennial Rye Grass	F

Target Note 56 - Mixed broad-leaved and coniferous woodland, some areas very wet at the time of survey, spp present:

Species Name	Common Name	Abundance
Canopy Layer		
Alnus glutinosa	Alder	Α
Conifer spp	Conifer spp	Α
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthorn	F
Prunus spinosa	Blackthorn	F
Salix spp	Willow spp	R
Understorey and Ground Layer	r	
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	0
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	R/LF
Cirsium spp	Thistle spp	R
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	0
Holcus lanatus	Yorkshire Fog	Α
Ranunculus acris	Meadow Buttercup	0
Ranunculus ficaria	Lesser Celadine	F
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	F
Stellaria holostea	Greater Stitchwort	0
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	F

Target Note 57 - Steep south facing field embankment, western section dominated by dense Hawthorn scrub, poor semi-improved ground flora, numerous ant hills across embankment, light to moderate sheep grazed, Soft Rush dominates base of slope beside stream, spp present:

Species Name	Common Name	Abundance
Scrub Layer		
Crataegus monogyna	Hawthom	D
Ulex europaeus	European Gorse	F
Ground Layer		
Achillea millefolium	Yarrow	R
Cirsium spp	Thistle spp	0
Deschampsia cespitosa	Tufted Hair Grass	R/LF
Fragaria vesca	Wild Strawberry	R
Holcus lanatus	Yorkshire Fog	F
Lolium perenne	Perennial Rye Grass	Α
Plantago lanceolata	Ribwort Plantain	F
Pteridium aquilinum	Bracken	F
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	0
Viola riviniana	Common Dog-Violet	0

Target Note 58 - Stream woodland, heavily grazed and poached with limited ground flora in parts, elsewhere ground flora provides continuous good coverage, flora diverse throughout, southern section quite wet around natural springs and flushes,

Species Name	Common Name	Abundance
Canopy Layer		
Acer pseudoplatanus	Sycamore	R
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthom	A
Fraxinus excelsior	Ash	A
llex aquifolium	Holly	0
Prunus spinosa	Blackthorn	F
Quercus spp	Oak	A
Understorey and Ground Layer		
Anemone nemorosa	Wood Anemone	Α
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	R
Chrysoplenium oppositifolium	Opposite Leaved Golden Saxifrage	O/LA
Cirsium spp	Thistle spp	0
Deschampsia cespitosa	Tufted Hair Grass	O/LF
Galium aparine	Cleavers	0
Geranium robertianum	Herb Robert	0
Geum rivale	Water Avens	R
Hedera helix	lvy	R
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	F/LD
Lolium perenne	Perennial Rye Grass	0
Mercurialis perennis	Dog's Mercury	0
Moss spp	Moss spp	0
Primula vulgaris	Primrose	R
Ranunculus ficaria	Lesser Celadine	Α
Ranunculus repens	Creeping Buttercup	0
Rosa arvensis	Field rose	0
Rubus fruticosus agg	Bramble	F
Rumex crispus	Curled Dock	0
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	F
Urtica dioica	Stinging Nettle	F
Viola riviniana	Common Dog-Violet	R

Target Note 59 - Two small broad-leaved woodland patches within sheep grazed improved grassland, ground flora limited in diversity and cover, spp present:

Species Name	Common Name	Abundance
Canopy Layer	·	*
Corylus avellana	Hazel	0
Crataegus monogyna	Hawthorn	F
llex aquifolium	Holly	0
Prunus avium	Wild Cherry	R
Quercus spp	Oak	A
Sorbus aucuparia	Rowan	R
Understorey and Ground La	yer	,
Cerastium fontanum	Common Mouse-Ear	R
Fragaria vesca	Wild Strawberry	R
Geranium robertianum	Herb Robert	R
Lolium perenne	Perennial Rye Grass	Α
Ranunculus acris	Meadow Buttercup	0
Ranunculus ficaria	Lesser Celadine	0
Rumex obtusifolius	Broad-Leaved Dock	F
Taraxacum officinale	Dandelion	0
Urtica dioica	Stinging Nettle	F

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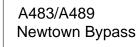


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Target Note 60 – Large mixed broad-leaved and coniferous woodland, some wetter areas dominated by Willow spp around springs and flushes, diverse ground flora, fairly good cover throughout, more limited beneath coniferous species, not grazed, some dense Bracken within, spp present:

Species Name	Common Name	Abundance
Canopy Layer	•	•
Alnus glutinosa	Alder	0
Betula pendula	Silver Birch	O/LF
Conifer spp	Conifer spp	A
Corylus avellana	Hazel	F
Crataegus monogyna	Hawthorn	F
Fraxinus excelsior	Ash	Α
llex aquifolium	Holly	F
Quercus spp	Oak	F
Salix cinerea	Grey Willow	0
Understorey and Ground Lay	er	*
Anemone nemorosa	Wood Anemone	O/LF
Arum maculatum	Lords and Ladies	R
Cardamine pratensis	Cuckoo Flower	0
Cerastium fontanum	Common Mouse-Ear	R
Cirsium spp	Thistle spp	F
Deschampsia cespitosa	Tufted Hair Grass	0
Festuca spp	Fescue spp	F
Fragaria vesca	Wild Strawberry	R
Galium aparine	Cleavers	0
Geranium robertianum	Herb Robert	0
Holcus lanatus	Yorkshire Fog	F
Hyacinthoides non-scripta	Bluebell	F/LA
Lonicera periclymenum	Honeysuckle	Α
Mercurialis perennis	Dog's Mercury	R/LA
Moss spp	Moss spp	F/LA
Oxalis acetosella	Wood Sorrell	0
Primula vulgaris	Primrose	0
Pteridium aquilinum	Bracken	O/LF
Ranunculus ficaria	Lesser Celadine	F
Ranunculus repens	Creeping Buttercup	0
Rosa arvensis	Field Rose	F
Rubus fruticosus agg	Bramble	Α
Rumex obtusifolius	Broad-Leaved Dock	F
Teucrium scorodonia	Wood Sage	R
Urtica dioica	Stinging Nettle	F
Viola riviniana	Common Dog Violet	R

Target Note 61 – Giant Hogweed (Heracleum mantegazzianum) beside river, only a small number of plants at present

Target Note 62 – Japanese Knotweed beside river, low growth, only a small number of plants at present

Target Note 63 - Amenity area including golf course and tennis courts

Target Note 64 – Japanese Knotweed on riverbank, only a small number of plants present

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