

Stratford-on-Avon District Council

Ecological and Geological Study of Local Service Villages

Settlement Assessment: Earlswood

Designated sites:

Status and Name	Area in hectares	Grid ref.	Description
SSSI River Blythe	61.94	SP2076	Water courses and water bodies
Local Wildlife Sites			
SP17B2 Earlswood Lakes	32.03	SP1074	Mosaic
SP17G5 Old Grove Wood	16.09	SP1273	Woodland & scrub
Destroyed LWS			
SP17H6 Grove Road Meadow	1.61	SP1227	Semi-natural grasslands & marsh
potential LWS			
SP17B6 Field	0.64	SP1197	Semi-natural grasslands & marsh
SP17B9 Earlswood Moathouse	3.98	SP1177	Woodland & scrub
SP17C3 Two Fields	0.86	SP1157	Semi-natural grasslands & marsh
SP15Li1t Stratford-upon-Avon Canal	53.81	SP1868	Water courses and water bodies
WWT Reserve			
Earlswood Moathouse Reserve			

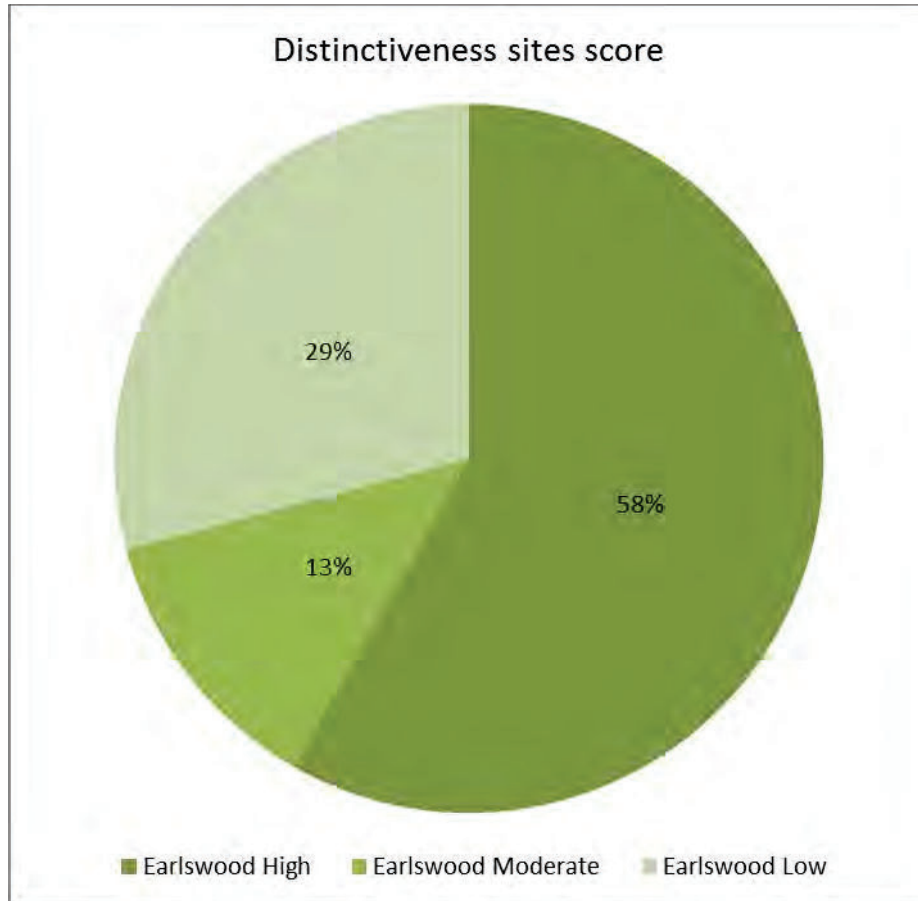
Key Target Notes

- SP17b20 – SP17b22 Earlswood Lakes
- SP17b33 - Earlswood Moathouse Trust Reserve
- SP17b26 - River Blyth and Earlswood Lakes
- SP17c14 – Stratford-on-Avon Canal feeder

Habitat Description

The habitats associated with the Earlswood lakes, the River Blythe and Stratford-upon-Avon Canal including; marshy grasslands and swamp contributes most to the high distinctiveness of the area.

Distinctiveness Phase 1 habitats	No. of sites	Area in hectares	Score
High			
A111 Broad-leaved semi-natural woodland	27	6.99	81
B22 Semi-improved neutral grassland	9	2.32	27
B5 Marsh/marshy grassland	8	3.48	24
F1 Swamp	2	0.02	6
G1 Standing water	28	24.48	84
G2 Running water	12	0.62	36
Sub Total	86	37.91	258
Moderate			
A112 Broad-leaved plantation	10	4.51	20
A21 Dense/continuous scrub	9	2.66	18
B6 Semi-improved neutral grassland	7	3.86	14
J112 Allotments	2	1.48	4
Sub Total	28	12.50	56
Low			
A132 Mixed plantation	4	1.64	4
B4 Improved grassland	91	165.63	91
C31 Tall ruderal	7	1.91	14
J11 Arable	3	4.14	3
J12 Amenity grassland	20	11.72	40
J4 Bare ground	4	0.95	4
Sub Total	129	185.99	156
Totals	243	236.40	470



Geological Description

Earlswood is sited in an area of potential importance for its Triassic geology (Mercia Mudstone Group) and overlying superficial unconsolidated (Quaternary) deposits. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

Protected Species

Bat species of common and soprano pipistrelle, daubenton, brown long-eared and an indeterminable species have been recorded in the settlement area. Additional species in the settlement area include great crested newt, smooth newt, badger, grass snake, harvest mouse and hedgehog. In the wider area there are records of white admiral butterfly plus rare plants including orange foxtail, goldenrod, green ribbed sedge, meadow thistle, marsh violet, yellow sedge spp., fine leaved sandwort, sherard's downy-rose, shoreweed, mudwort, lesser marshwort, needle-spike rush, fine leaved sandwort and rye brome.

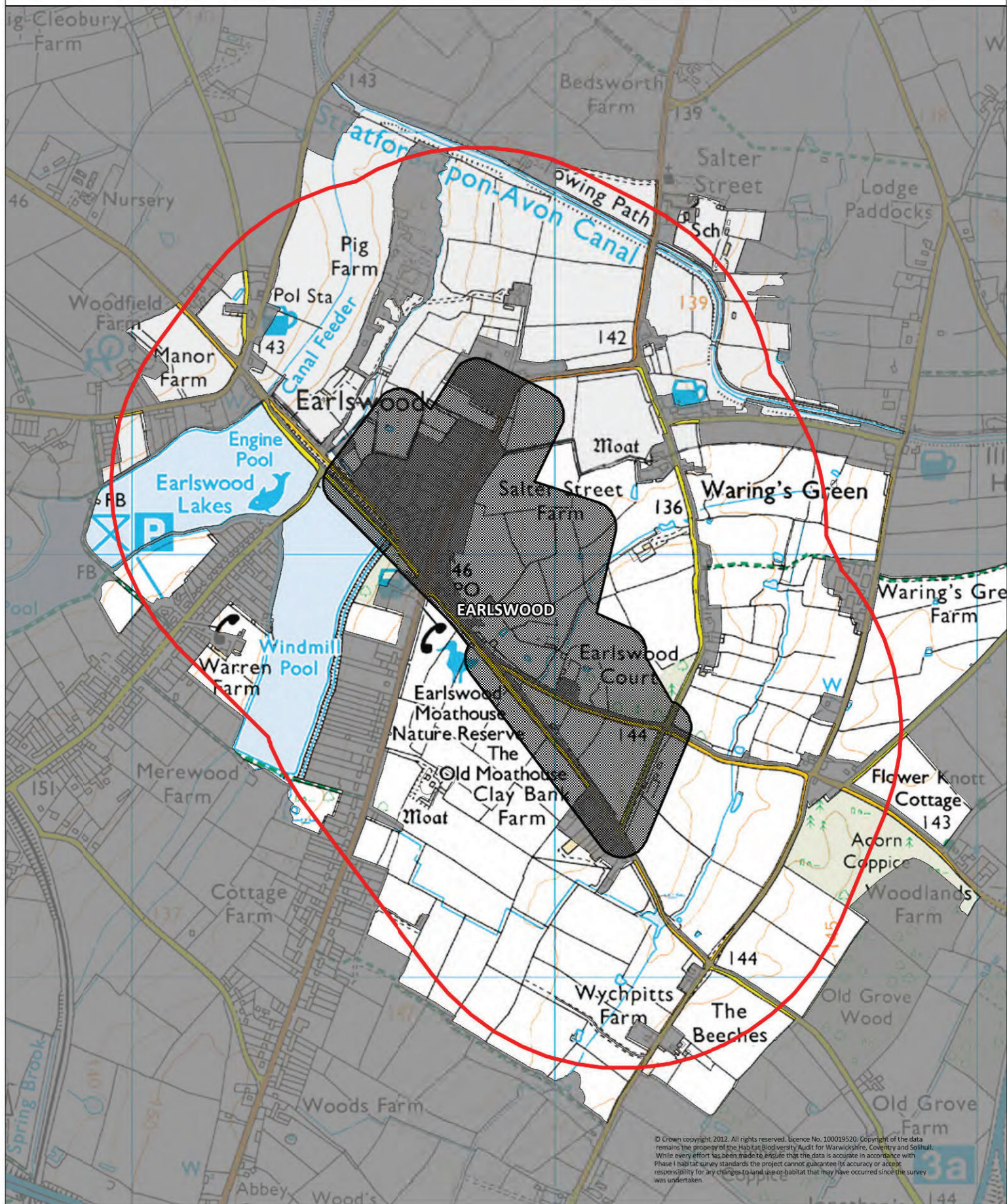
Recommendations for Further Survey

- Stratford-upon-Avon Canal



EARLSWOOD

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2.8 SQKM

Settlements



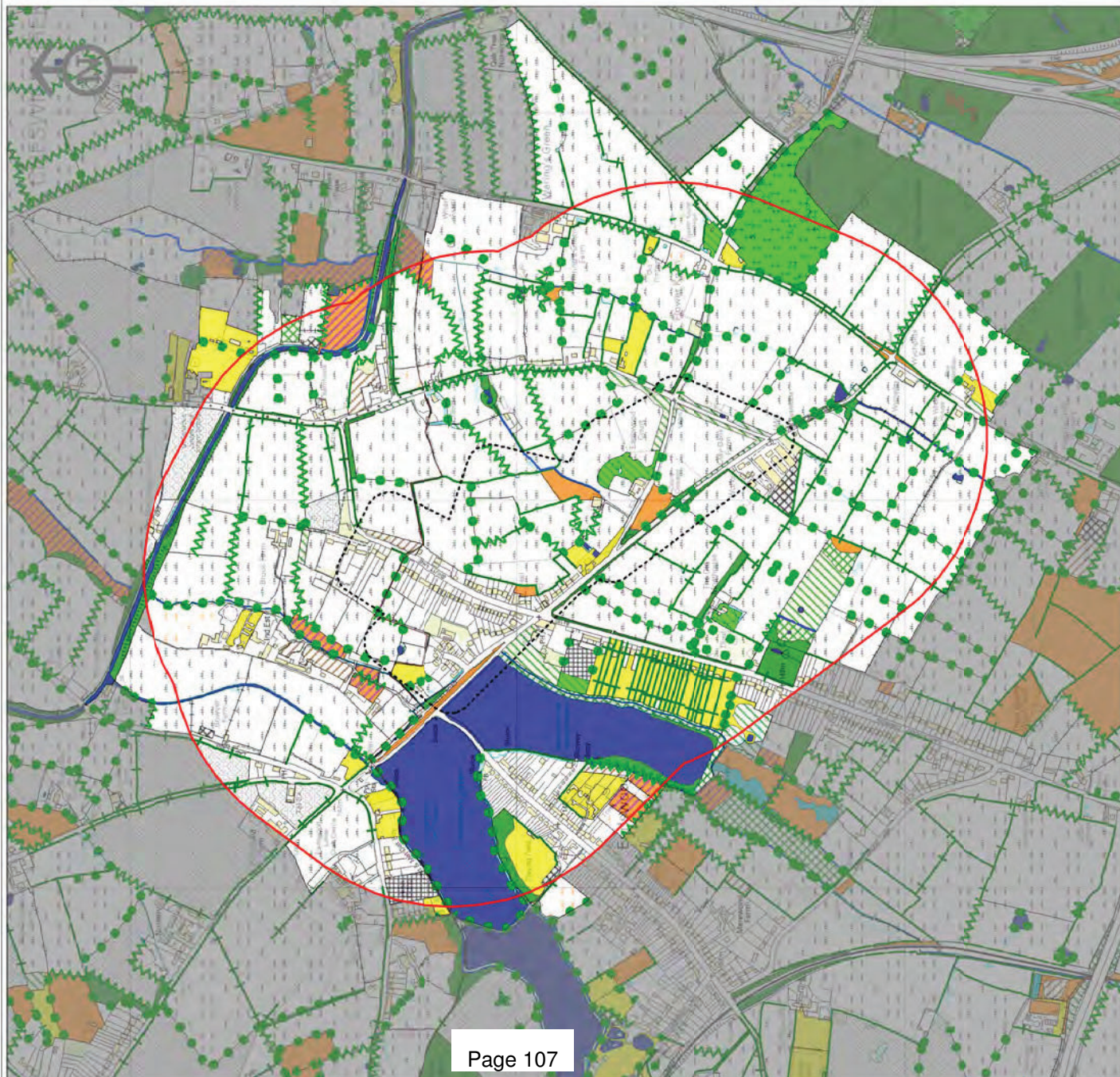
Settlements

500m Buffer



500m Buffer

EARLSWOOD



PHASE 1 HABITAT SURVEY

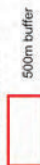
Habitat Types

A111 (Broad-leaved semi-natural woodland)	C32 (Non-ruderal)
A112 (Broad-leaved plantation)	D5 (Dry heath/acid grassland mosaic)
A121 (Coniferous semi-natural woodland)	E11 (Sphagnum Bog)
A122 (Coniferous plantation)	E21 (Acid/neutral flush)
A131 (Mixed semi-natural woodland)	E31 (Valley mire)
A132 (Mixed plantation)	E32 (Basin mire)
A21 (Dense/continuous scrub)	F1 (Swamp)
A22 (Scattered scrub)	F22 (Inundation vegetation)
A31 (Broad-leaved parkland/scattered trees)	G1 (Standing water)
A32 (Coniferous parkland/scattered trees)	G2 (Running water)
A4 (Recently felled woodland)	I21 (Quarry)
A5 (Orchard)	I22 (Spoil)
B11 (Unimproved acidic grassland)	I23 (Mine)
B12 (Semi-improved acidic grassland)	I24 (Refuse tip)
B21 (Unimproved neutral grassland)	J11 (Arable)
B22 (Semi-improved neutral grassland)	J112 (Allotments)
B31 (Unimproved calcareous grassland)	J113 (Set-aside)
B32 (Semi-improved calcareous grassland)	J12 (Amenity grassland)
B4 (Improved grassland)	J13 (Ephemeral/short perennial)
B5 (Marsh/marshy grassland)	J14 (Introduced shrub)
B6 (Poor semi-improved grassland)	J36 (Buildings)
C11 (Continuous bracken)	J4 (Bare ground)
C31 (Tall ruderal)	

Linear Features

A21 (Linear Scrub)	J23 (Hedge with Trees)
A3 (Linear Trees)	J231 (Native Species Rich Hedge with Trees)
G1 (Standing Water)	J24 (Fence)
G2 (Running Water)	J25 (Wall)
I1 (Inland Cliff)	J26 (Dry Ditch)
J21 (Intact Hedge)	J27 (Boundary Removed)
J211 (Native Species Rich Intact Hedge)	J28 (Earth Bank)
J22 (Detunct Hedge)	

STUDY AREA



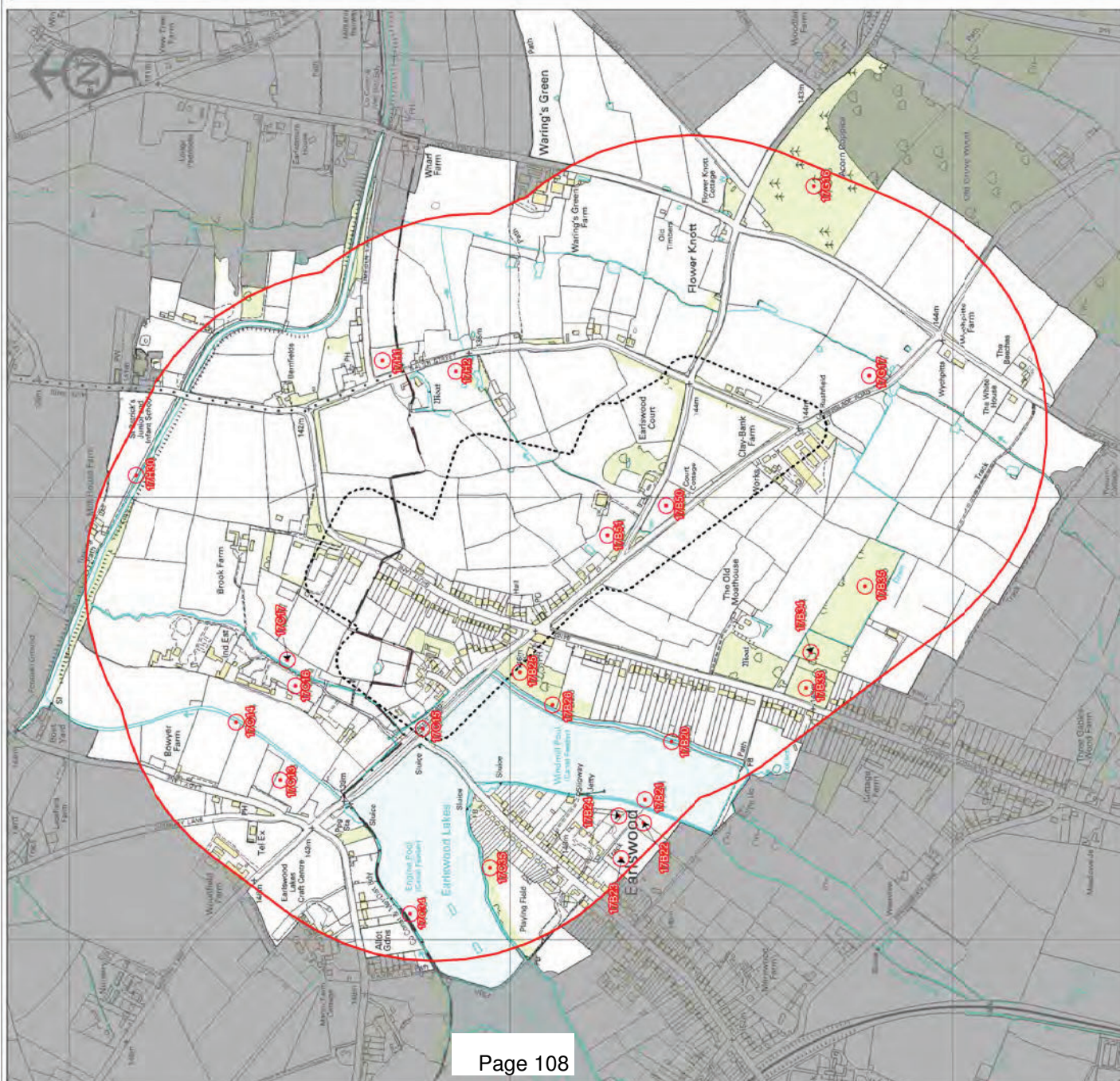
500m buffer

OS DEVELOPED LAND USE AREA



Settlements

EARLSWOOD



Point

Settlements

500m buffer

500m buffer

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Stratford-on-Avon District Council Ecological Villages Study

Target Notes

Earlswood

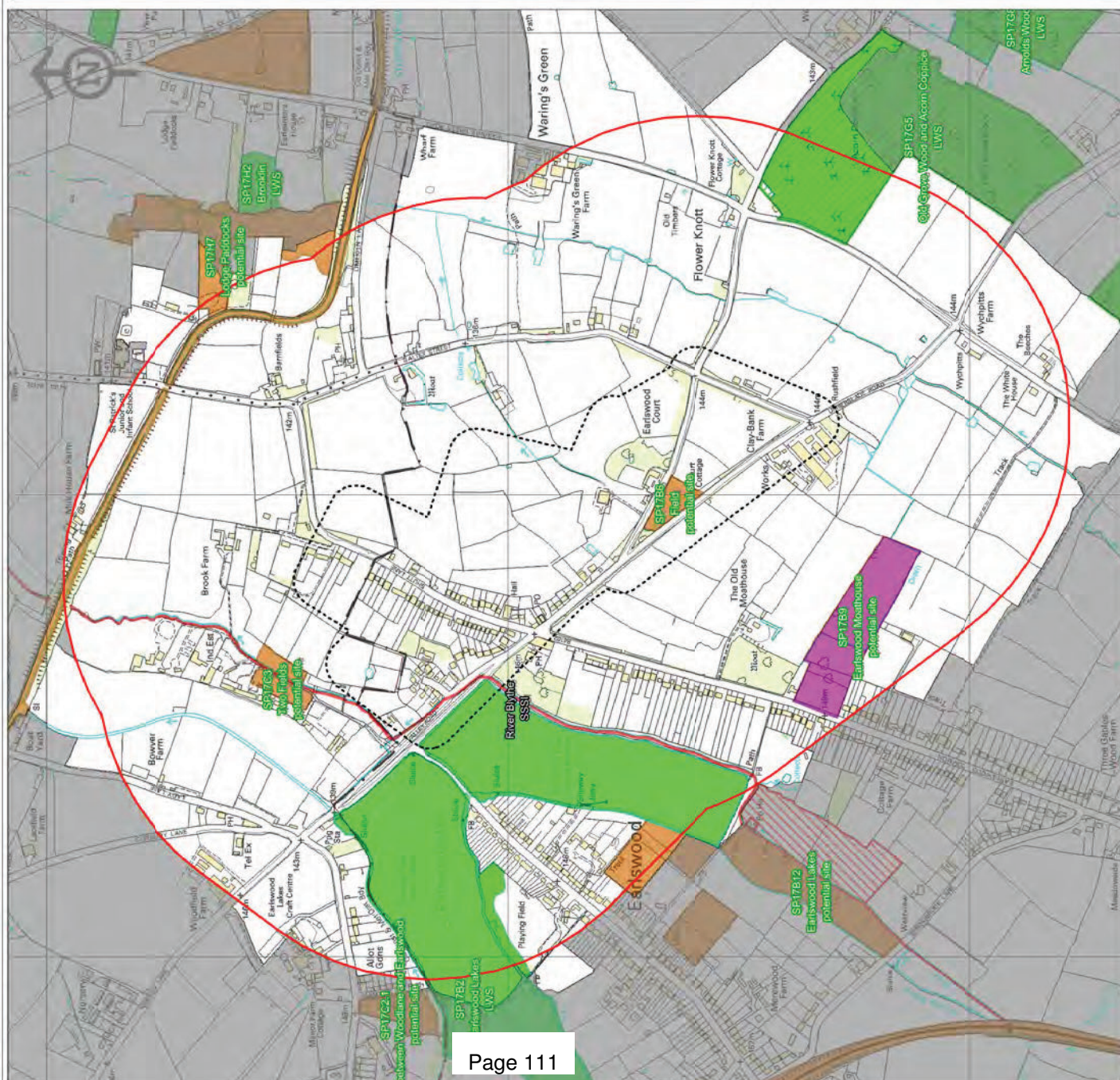
sp17b20	Wooded lakeside which includes the River Blythe and contains frequent crack willow along the lake edge with abundant hawthorn; occasional oak; ash; some young sycamore and locally abundant dog rose. The ground flora is part dominated by ivy with wood avens; frequent <i>Brachypodium sylvaticum</i> and <i>Bromus ramosus</i> ; hedge woundwort; bramble; cow parsley; raspberry; <i>Dryopteris filix-mas</i> ; <i>Dryopteris dilatata</i> and germander speedwell.
sp17b21	Red shank dominated inundation with abundant <i>Eleocharis palustris</i> and <i>Typha latifolia</i> on higher ground with pockets of <i>Phalaris arundinacea</i> ; <i>Carex rostrata</i> and bounded by abundant to locally dominant goat willow. The gravel substrate berm also contains abundant mudwort; locally frequent trifid bur-marigold and some shoreweed.
sp17b22	Lakeside area dominated by hawthorn with goat willow; crack willow; some oak; elder; dog rose and patches of raspberry. The ground flora is dominated by nettle and ivy with meadow vetchling; locally abundant meadowsweet; wood avens and wild angelica. <i>Phalaris arundinacea</i> dominate towards the lake.
sp17b23	Horse grazed semi-improved by <i>Holcus lanatus</i> ; <i>Cynosurus cristatus</i> with locally abundant <i>Juncus acutiflorus</i> ; abundant <i>Agrostis capillaris</i> ; creeping and meadow buttercup; locally frequent lesser spearwort; autumn hawkbit; selfheal; <i>Deschampsia cespitosa</i> ; <i>Juncus effusus</i> ; <i>Anthoxanthum odoratum</i> ; ragwort; cat's ear and ribwort plantain.
sp17b24	Elder and hawthorn scrub in a mosaic with nettle. Some extensive areas of Japanese knotweed.
sp17b25	High forest sycamore with evidence of past coppicing with some oak; locally dominant hornbeam; birch and an understorey of scattered holly; occasional rowan; young beech; elder; grape laurel and hawthorn. The ground flora is sparse and includes ivy; bramble; <i>Poa nemoralis</i> ; with some localised wood avens; <i>Dryopteris dilatata</i> and <i>Dryopteris filix-mas</i> . <i>Mnium hornum</i> occurs throughout. UPDATED 25/04/2012 by OP. No ground flora. Dense rhododendron.
sp17b26	Open bank of lake with frequent crack willow along waters edge with some sycamore and oak. Hawthorn is frequent along the River Blythe with hornbeam; young ash; bramble and nettle. The ground flora is generally dominated by grasses such as <i>Dactylis glomerata</i> but also includes <i>Elymus caninus</i> . Ivy and nettle dominate the shadier areas with frequent honeysuckle; wood avens; wood sage; cow parsley and dog rose.
sp17b33	Secondary oak woodland with mature birch; rowan; hawthorn and an understorey of young sycamore; holly; elder; grape laurel and some young yew. The ground flora is dominated by bramble with areas of ivy; some <i>Bromus ramosus</i> ; <i>Brachypodium sylvaticum</i> ; herb robert; <i>Dryopteris dilatata</i> ; bracken; <i>Carex remota</i> ; nettle; rosebay willowherb; honeysuckle and wood sorrel. UPDATED 05/04/2012 by OP. WWT reserve. Very dense bramble, bracken with little ground flora. Rhododendron, holly, and yew in the understorey. Newly created pond and more open canopy to the east with bluebells and wood sorrel.
sp17b34	Semi-improved grassland dominated by <i>Holcus lanatus</i> and <i>Arrhenatherum elatius</i> with locally frequent wild angelica; <i>Deschampsia cespitosa</i> ; meadow vetchling and red clover. Contains a small pool with abundant <i>Juncus inflexus</i> ; marsh thistle; <i>Typha latifolia</i> ; water dock; <i>Juncus effusus</i> ; <i>Carex pseudocyperus</i> ; <i>Juncus articulatus</i> ; <i>Juncus conglomeratus</i> and <i>Eleocharis palustris</i> . UPDATED 05/04/2012 by OP. Area now covered in bramble and scrub.
sp17b35	Ash plantation about thirty years old with frequent birch and an understorey of scattered holly. The ground flora is mainly grasses with patches of nettle; selfheal and creeping cinquefoil. Field layer with locally dominant <i>Fissidens taxifolius</i> . UPDATED 05/04/2012 by OP. As described. Scrub and tall rhododendron encroaching from the east.



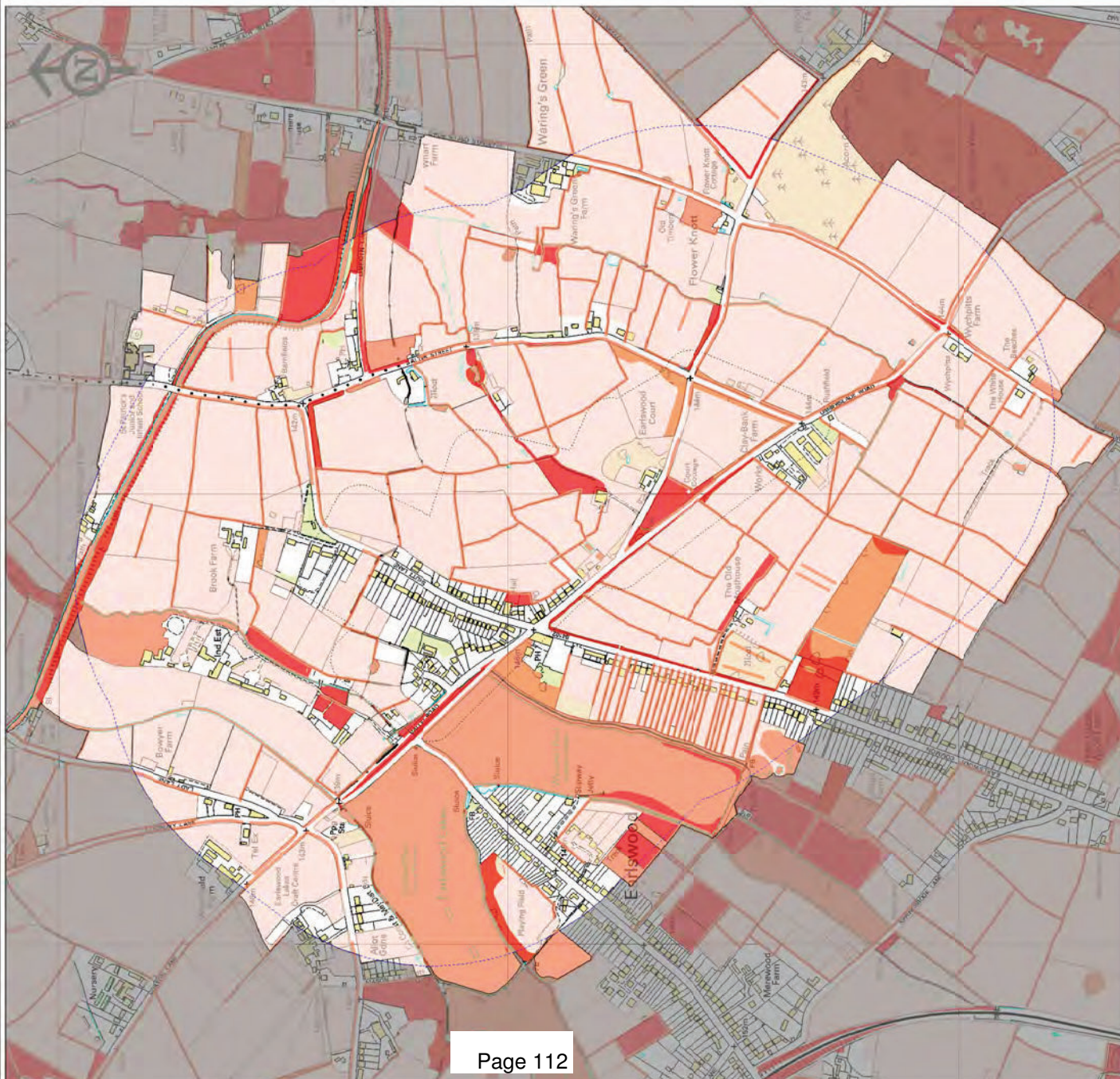
Target Notes

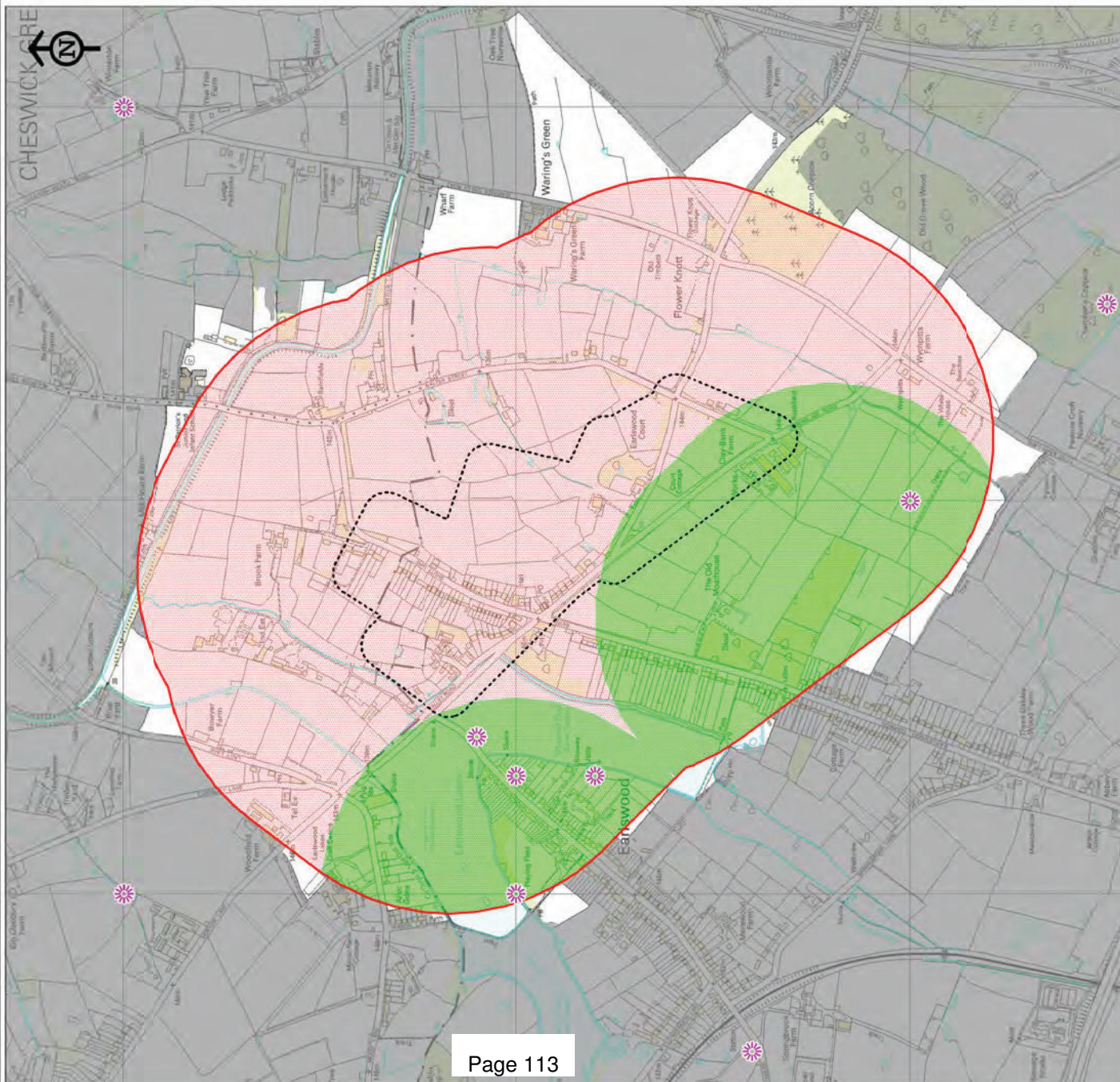
sp17b50	Neglected semi-improved grassland with abundant <i>Alopecurus pratensis</i> , <i>Arrhenatherum elatius</i> , <i>Agrostis capillaris</i> , <i>Holcus lanatus</i> , <i>Phleum pratense</i> with locally abundant hairy tare, meadow vetchling, meadow buttercup, great bird's foot trefoil, marsh thistle, sorrel, wild angelica and bird's foot trefoil.
sp17b51	Series of rank neglected poor semi-improved grassland dominated by <i>Holcus lanatus</i> .
sp17c13	Poor neglected semi-improved grassland dominated by <i>Arrhenatherum elatius</i> ; <i>Holcus lanatus</i> ; <i>Agrostis capillaris</i> with <i>Deschampsia cespitosa</i> ; frequent hogweed; some lesser knapweed; hairy tare and meadow vetchling.
sp17c14	Canal feeder lined with <i>Glyceria maxima</i> ; water mint; great willowherb; gipsywort; wild angelica; meadowsweet; <i>Typha latifolia</i> ; <i>Juncus effusus</i> ; celery leaved crowfoot and lined with alder and hawthorn.
sp17c15	Reservoir bank dominated by <i>Arrhenatherum elatius</i> ; <i>Holcus lanatus</i> ; <i>Alopecurus pratensis</i> ; with frequent to abundant sorrel; hogweed; meadowsweet and wild angelica. Also contains locally frequent <i>Dryopteris filix-mas</i> ; marsh thistle; common vetch; <i>Equisetum palustre</i> ; ribwort plantain; meadow vetchling; <i>Juncus inflexus</i> and locally frequent wood sage occurring on the higher banks.
sp17c16	Wet semi-improved and marshy grassland containing locally abundant <i>Juncus conglomeratus</i> with <i>Arrhenatherum elatius</i> ; great burnet; wild angelica; <i>Equisetum palustre</i> ; meadowsweet; marsh thistle; <i>Juncus effusus</i> ; <i>Deschampsia cespitosa</i> ; <i>Alopecurus pratensis</i> and nettle. The area is lightly horse grazed. UPDATED 10/04/2012 by OP. Now unmanaged with bramble and scattered scrub.
sp17c17	<i>Deschampsia cespitosa</i> dominated semi-improved grassland with <i>Holcus lanatus</i> ; <i>Juncus effusus</i> ; thistle; great willowherb; meadowsweet; great bird's foot trefoil; meadow vetchling; wild angelica and marsh thistle. Area has been neglected for some time.
sp17c34	Lakeside with a wide draw-down. Lined with alder and crack willow with young ash; goat willow - some of which is spreading down the bank. Contains patches of <i>Phalaris arundinacea</i> ; <i>Juncus effusus</i> and bramble. Meadowsweet occurs on the higher banks and next to the feeder with honeysuckle; nettle; wild angelica; woody nightshade and <i>Carex remota</i> . <i>Lemna minor</i> dominates the surface of the feeder with some patches of <i>Typha latifolia</i> .
sp17c35	Hawthorn scrub with young oak; horse chestnut; elder; holly and spiraea and a ground flora of ivy bramble; <i>Dryopteris dilatata</i> with <i>Eurhynchium praelongum</i> and <i>Atrichum undulatum</i> . Around the edge of the scrub bramble; raspberry; rosebay willowherb; thistle hogweed and nettle dominate. Crack willow with <i>Phalaris arundinacea</i> and nettle dominate towards the waters edge.
sp17g16	Pine plantation with a ground flora dominated by bracken around the edge and bramble elsewhere. Contains some young holly and birch; patches of <i>Dryopteris dilatata</i> ; foxglove; heath bedstraw; rosebay willowherb; <i>Deschampsia flexuosa</i> ; wood sage; <i>Hypnum cupressiforme</i> and <i>Polytrichum formosum</i> .
sp17g17	Drying pool which contains a amount of open water but is generally dominated by <i>Juncus effusus</i> with <i>Deschampsia cespitosa</i> and <i>Typha latifolia</i> ; creeping buttercup; <i>Carex acutiformis</i> ; <i>Holcus lanatus</i> ; <i>Juncus articulatus</i> ; marsh thistle and water pepper also occur.
sp17h1	Semi-improved horse grazed grassland with locally frequent lesser knapweed; ribwort plantain and a variety of grasses. Full assessment hampered by the level of grazing. UPDATED 10/04/2012 by OP. Heavily grazed at time of visit. Faint ridge and furrow visible.
sp17h2	Poor semi-improved grassland with areas of <i>Phalaris arundinacea</i> swamp and <i>Juncus effusus</i> dominated marsh. Area includes wild angelica; marsh thistle and nettle and a small stand of alder. Full assessment hampered due to difficulties over access. UPDATED 31/10/2011. Field has been ploughed.
SP17H30	Steep sided canal banks of semi-natural broadleaved woodland. Rich ground flora with cleavers, dogs mercury, wood spurge, bramble, bluebells and lesser celandine.











EARLSWOOD





Species

- | | |
|---|---|
|  | Buffer zone for water vole or white-clawed crayfish |
|  | Buffer zone for protected amphibians and reptiles |
|  | Buffer zone for bat |
|  | Black Poplar |
|  | Veteran tree |
|  | County rare plant |

Warwickshire Biological Records Centre

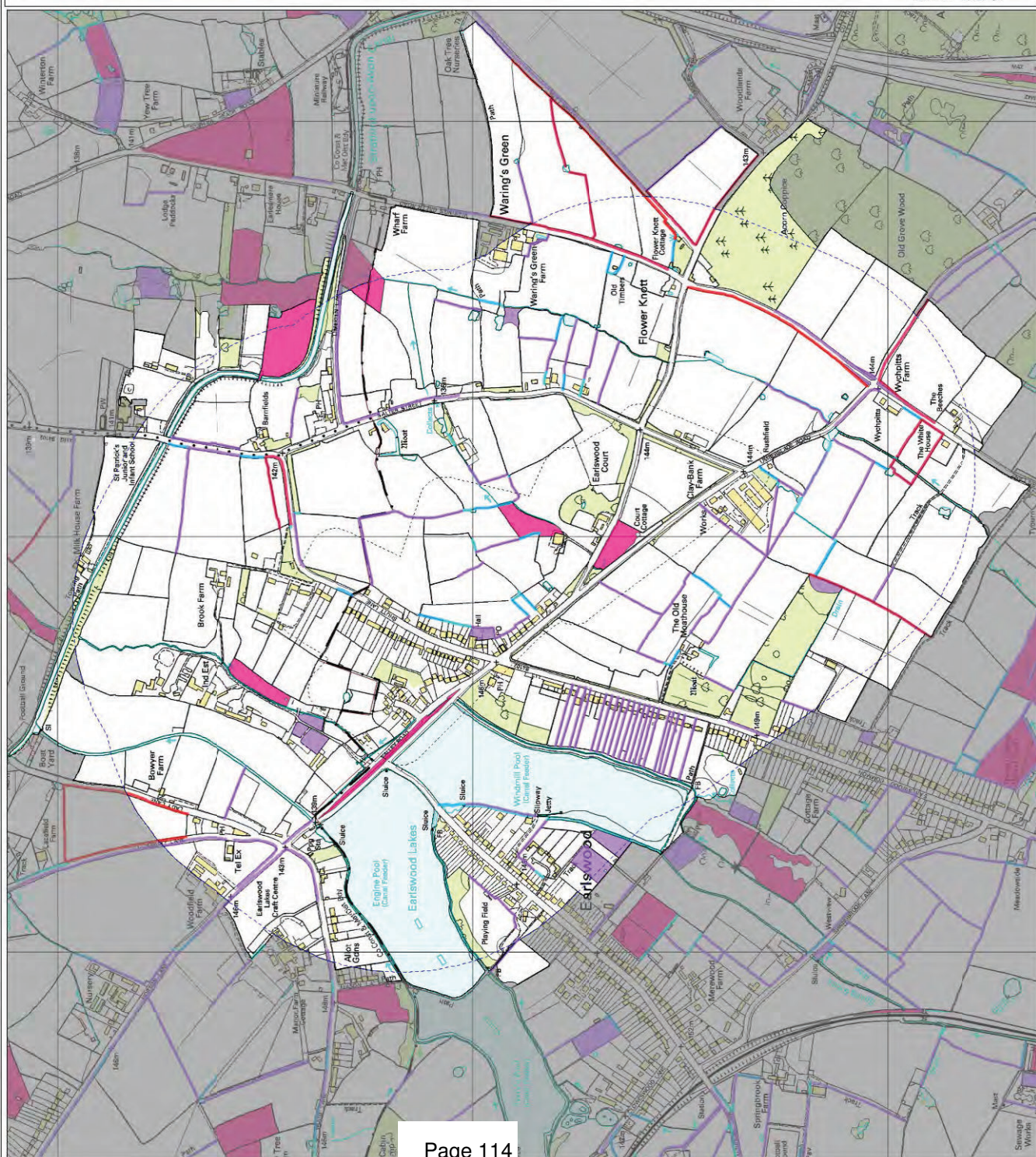


The map shows the study area with a red rectangle indicating the 500m buffer. The OS Developed Land Use Area is shown as a dashed rectangle. The map is labeled with 'STUDY AREA' and 'OS DEVELOPED LAND USE AREA'.

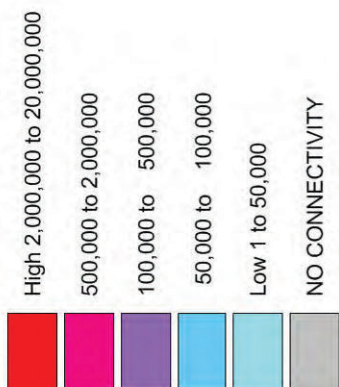
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EARLSWOOD

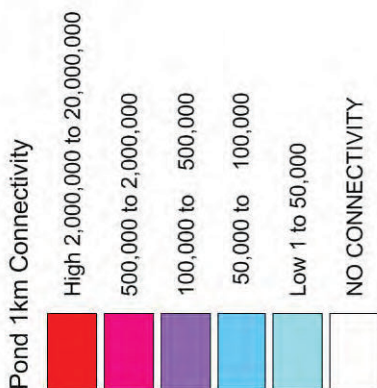
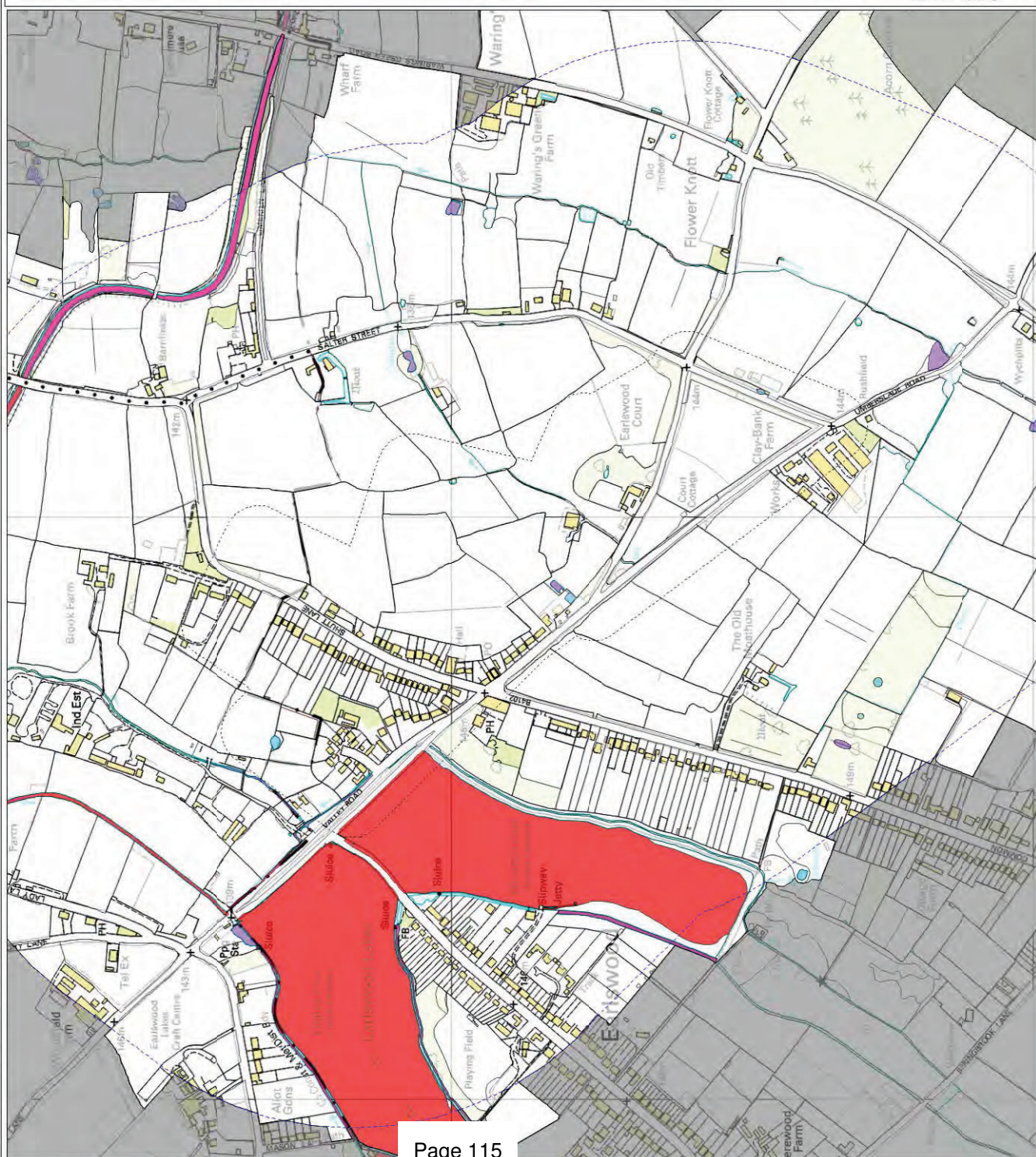


Grassland 1km Connectivity





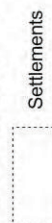
EARLSWOOD



STUDY AREA



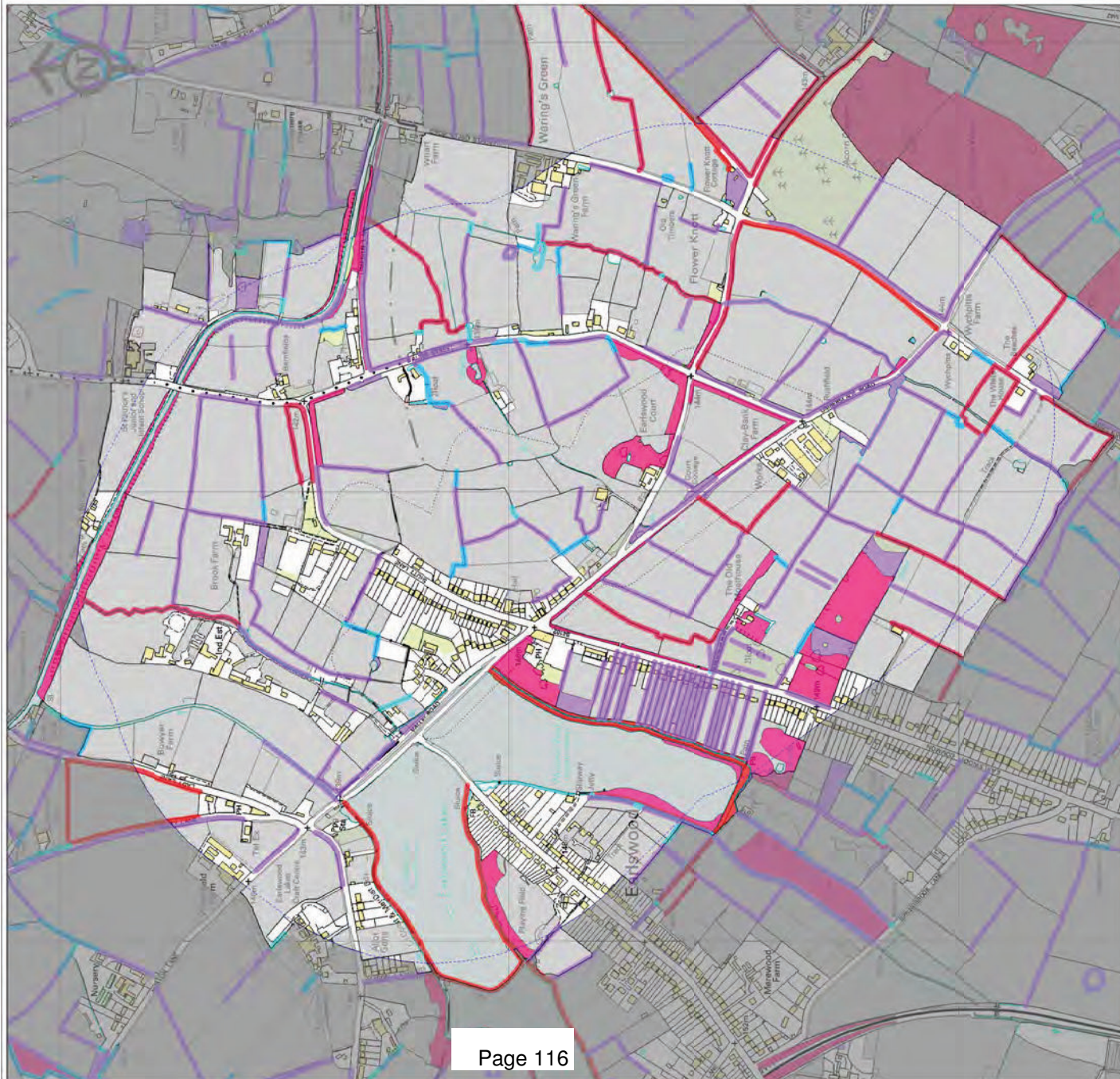
OS DEVELOPED LAND USE AREA



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EARLSWOOD



Woodland 1km Connectivity

HIGH: 2,000,000 to 20,000,000
500,000 to 2,000,000
100,000 to 500,000
50,000 to 100,000
LOW: 1 to 50,000
NO CONNECTIVITY 0 to 0

STUDY AREA
500m buffer

OS DEVELOPED LAND USE AREA
Settlements

Stratford-on-Avon District Council

Ecological and Geological Study of Local Service Villages

Settlement Assessment: Ettington

Designated sites:

Status and Name	Area in hectares	Grid ref.	Description
Local Geological Site			
Ettington Road Cutting	n/a	SP2649	Lower Lias clays
LWS potential sites			
SP24U1 Hanginghill Spinney	2.07	SP2624	Woodland & scrub
SP24U6 Ettington Small Fields	1.14	SP2734	Semi-natural grasslands & marsh
SP24U5 Mallsgrave Copse	2.85	SP2794	Woodland & scrub
SP24U2 Ettington Road Cutting	6.62	SP2644	Post-industrial sites
SP24U4 Holy Trinity Church, Ettington	0.58	SP2664	Semi-natural grasslands & marsh
SP24U3 St Thomas Beckett Churchyard	1.54	SP2664	Semi-natural grasslands & marsh

Key Target Notes

- SP24u7, SP24u3, SP24u4 and SP24u8 – Ettington by-pass
- SP24u23 – SP24u25 Road-side verges semi-improved grassland and scrub
- SP24u10 - Mollsgrove Copse ancient woodland
- SP24u27 – Species rich hedgerow

Habitat Description

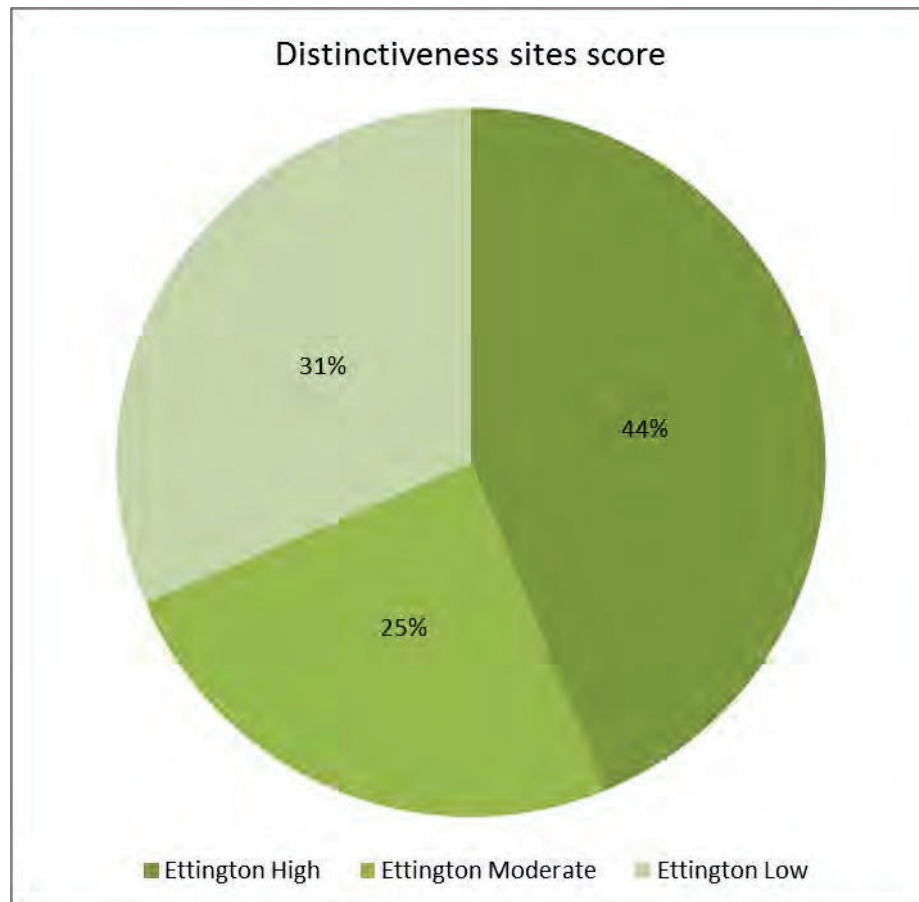
The poor semi-improved grassland and scrub habitats associated with the Ettington by-pass/road cutting and the road verges along the A429 are sites which contribute to the high distinctiveness of the area. These verges provide suitable corridors between areas of woodland and open grassland.

Suggested scrub clearance alongside the Ettington by-pass to reduce scrub density and encroachment on to nearby semi-improved grassland road verges was noted in the target notes.

There are sites of semi-natural woodland including Mollsgrove Copse an ancient woodland site and other smaller areas of woodland which contribute to the high

distinctive character of the settlement. Hedgerows are also an important feature both as habitats and connection between the woodlands.

Distinctiveness Phase 1 habitats	No. of sites	Area in hectares	Score
High			
A111 Broad-leaved semi-natural woodland	11	4.26	33
A5 Orchard (commercial)	1	0.14	3
B22 Semi-improved neutral grassland	16	7.60	48
G1 Standing water	6	0.13	18
G2 Running water	11	0.19	33
Sub Total	45	12.33	135
Moderate			
A112 Broad-leaved plantation	9	4.57	18
A21 Dense/continuous scrub	11	1.65	22
A22 Scattered scrub	3	0.65	9
B6 Semi-improved neutral grassland	15	13.10	30
Sub Total	38	19.98	79
Low			
A122 Coniferous plantation	1	0.12	1
A132 Mixed plantation	1	1.21	1
B4 Improved grassland	52	60.60	52
J11 Arable	24	170.33	24
J12 Amenity grassland	15	8.21	30
J4 Bare ground	4	2.42	4
Sub Total	97	242.88	112
Totals	180	275.18	326



Geological Description

- Ettington Road Cutting LGS

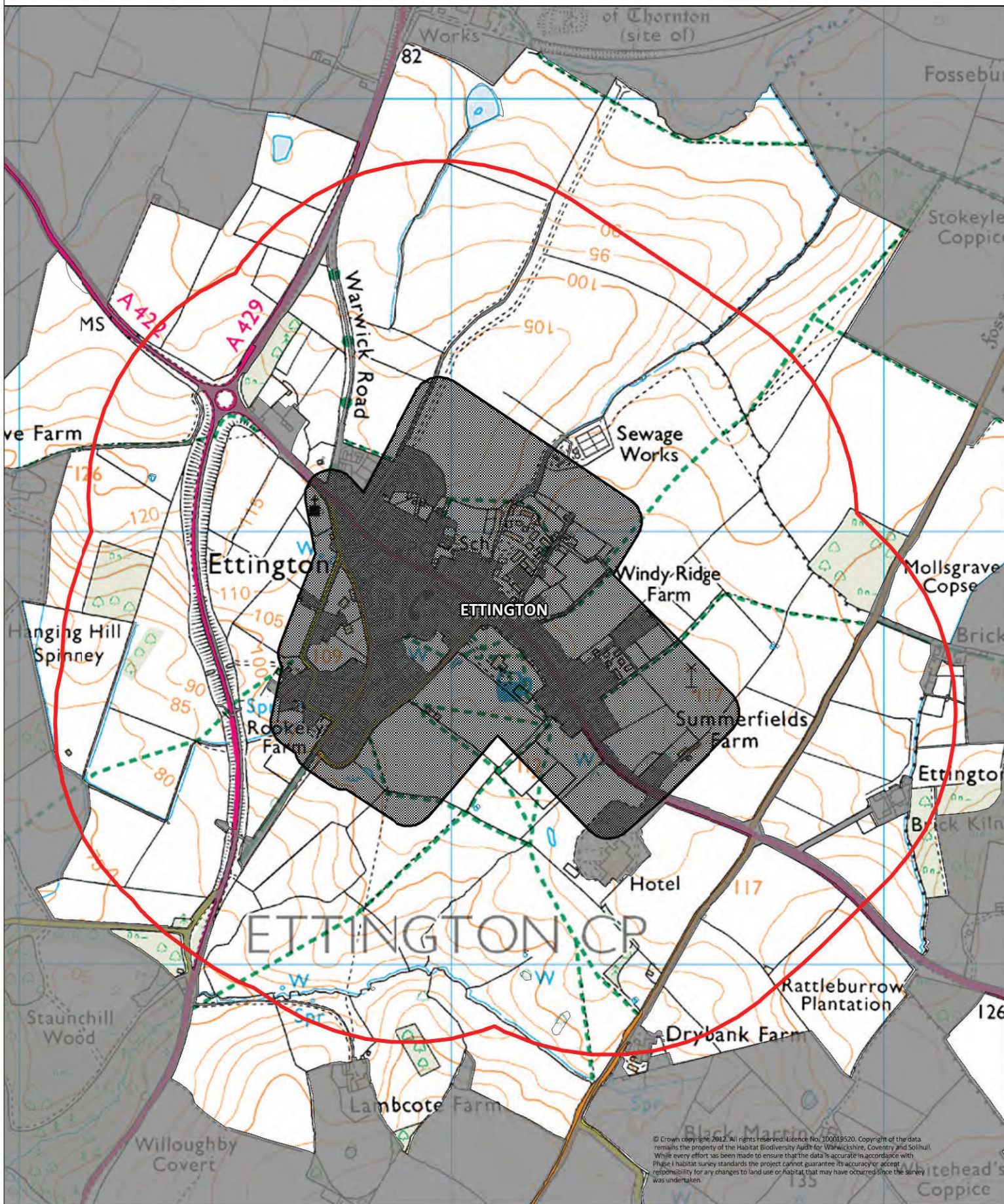
Ettington is in an area of potential importance of its Early Jurassic geology (mudstones and limestones), with considerable potential for palaeontological finds. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

Protected Species

Smooth newt, grass snake, barn owl, brown hare and hedgehog plus the bat species of natterers, brown long-eared, common and soprano pipistrelle, myotis sp. and an indeterminable bat species have been recorded in the settlement area. The rare plant of corn gromwell has also been recorded in the settlement boundary. In the wider area there are additional records of barn owl and badger plus the butterfly species of small heath, dingy skipper and grizzled skipper that could use habitats within the settlement area. There are additional records for rare plants including dropwort, large thyme, corn buttercup, floating club rush and wild pansy in the wider surrounding area.

Recommendations for Further Survey

- Ettington Road Cutting



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3.2 SQKM

Settlements

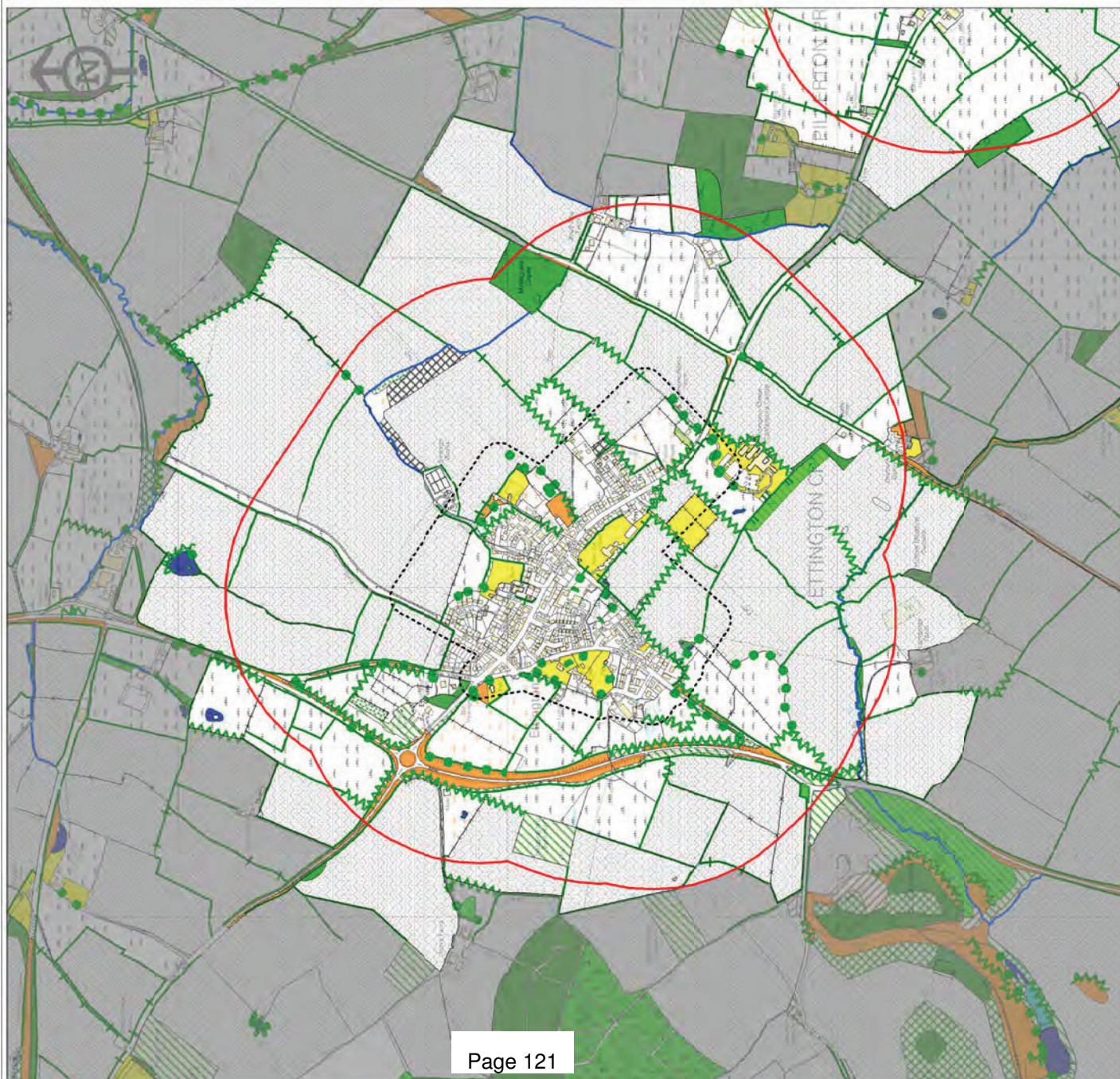


Settlements

500m Buffer

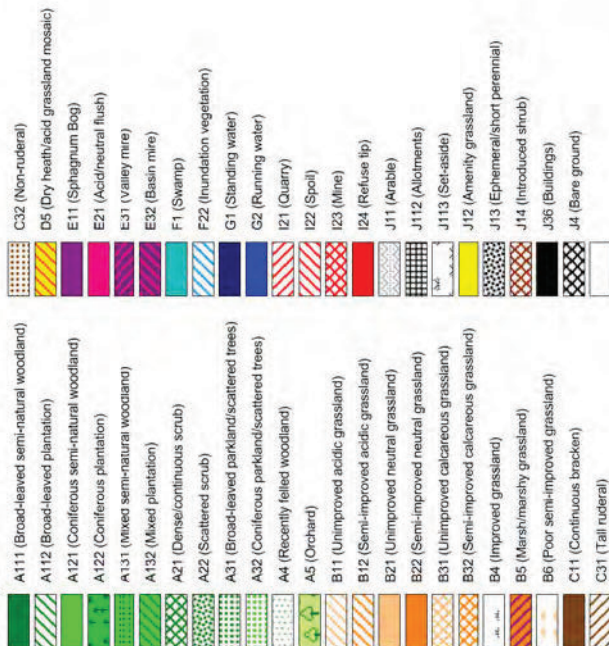


500m Buffer

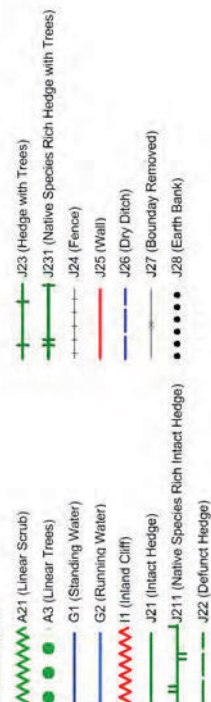


PHASE 1 HABITAT SURVEY

Habitat Types



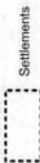
Linear Features



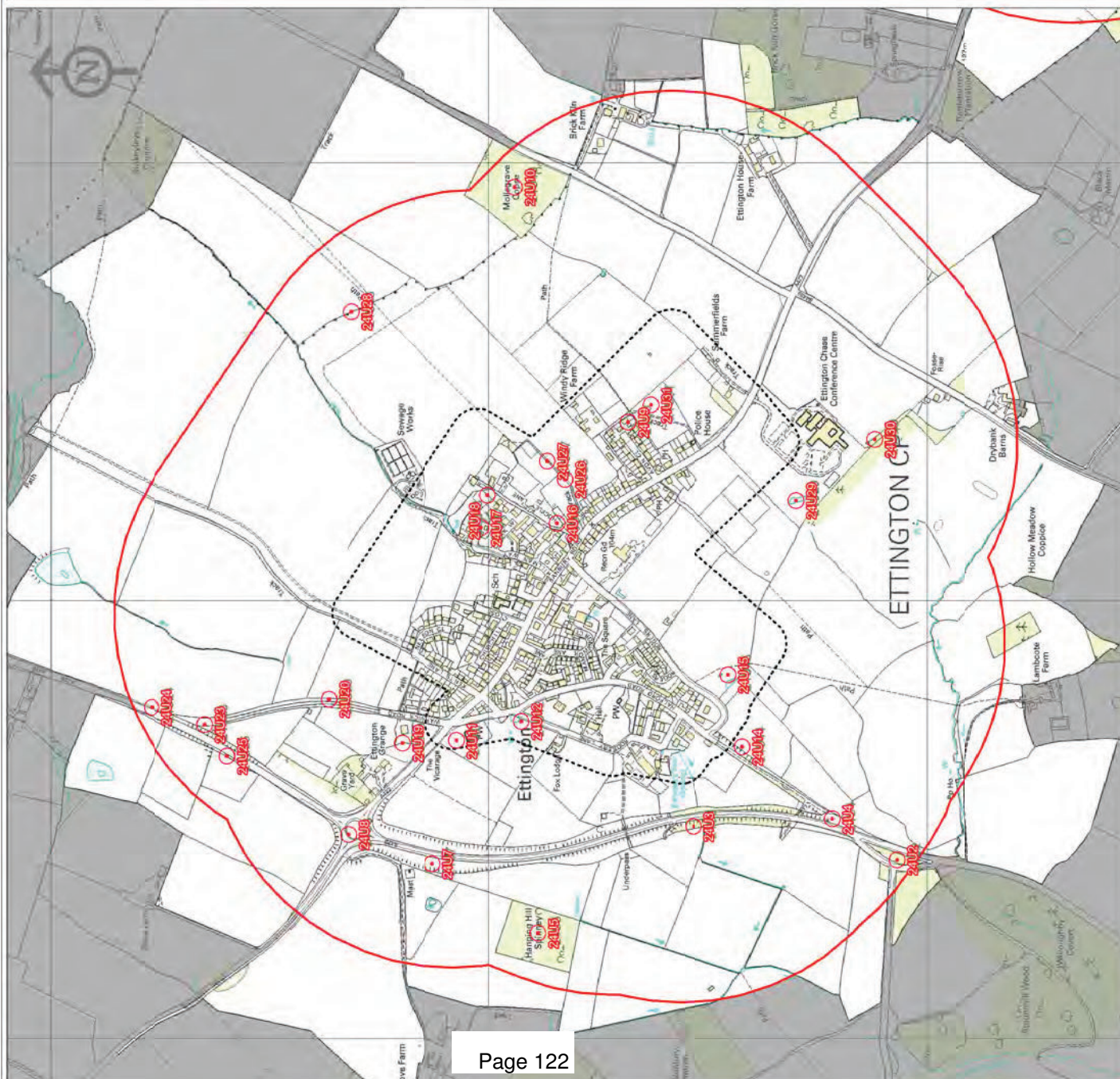
STUDY AREA



OS DEVELOPED LAND USE AREA



ETTINGTON



TARGET NOTES

Point

LOS DEVELOPED LAND USE AREA

Settlements

STUDY AREA

500m buffer

Stratford-on-Avon District Council Ecological Villages Study

Target Notes

Ettington

- sp24u10 Mature oak and ash woodland with an understorey of hawthorn with occasional hazel; elm; wild privet; elder; field maple and self seeded sycamore over a ground flora dominated by bramble and nettle with wood avens; ground ivy; *Brachypodium sylvaticum* and occasional enchanter's nightshade and dog violet. Although the site is recorded as ancient woodland it appears to be growing over old ridge and furrow. UPDATED 09/05/2012 CFT. Moll's grave copse - Mature horse chestnut and coppices throughout. Also occasional sweet chestnut. Former plantation ground flora sparse, mainly false brome (*Brachypodium sylvaticum*), cleavers, herb robert and an AW? (Check target notes for Wood SP24V10 and SP24Z1?).
- sp24u11 Ettington Churchyard. Mostly amenity grassland with patches of semi-improved (recently cut at the time of survey) dominated by *Poa* spp.; *Dactylis glomerata* and *Festuca rubra*. Forbs include frequent ribwort plantain; creeping cinquefoil; daisy; autumn hawkbit; black medick; selfheal; field and germander speedwell and ground ivy with occasional hoary plantain; primrose; lady's bedstraw; black knapweed; hedge bedstraw and bristly ox-tongue. UPDATED 09/05/2012 CFT. Area behind church unknown semi-improved grassland with occasional bluebells and cowslips. Vetch, bulbous buttercup, ground (bush) ivy, *Deschampsia cespitosa*. Individual trees around boundary wall including pine, yew, whitebeam, silver birch, ash, holly, cherry laurel and lime. Bank around churchyard wall has wild daffodils.
- sp24u12 Pond surrounded by scattered low hawthorn scrub and one apple tree. Half of the surface is covered by dense *Typha latifolia* with occasional yellow flag iris. UPDATED 09/05/2012 CFT. Add: marsh marigold, 3 large carp seen here.
- sp24u14 Wide verge of a disused road now used as a cycle and footpath. Hawthorn; dog rose and bramble cover a good proportion of the verge with occasional young ash and birch. The grassland between is dominated by *Dactylis glomerata*; *Arrhenatherum elatius*; *Holcus lanatus* and *Poa trivialis* with frequent creeping buttercup; hogweed; ragwort and occasional wall lettuce. The hedge is made up of ash; hawthorn and blackthorn with occasional oak and young elm. UPDATED 09/05/2012 CFT. Add: Herb robert, wood forget-me-not, spanish bluebell (blue and white var.). Occasional wood sponge, periwinkle (garden escapes). Garlic and hedge mustard, red clover, yellow archangel, and hedge bedstraw (*Galium mollugo*). Regenerating elm along hedgerow.
- sp24u15 Dried up pond surrounded and covered by willow scrub and occasional holly; hawthorn and elder over nettle; hogweed; bramble and rosebay willow herb.
- sp24u16 Poor horse grazed semi-improved grassland dominated by *Poa* spp. and *Dactylis glomerata* with occasional *Holcus lanatus*; *Arrhenatherum elatius* and *Festuca rubra*. There are frequent nettle and broad-leaved dock with occasional patches of selfheal. UPDATED 09/05/2012 CFT. Field has been over grazed, no forbs noted except from bramble and buddleia in poor condition.
- sp24u17 Poor apparently unmanaged semi-improved grassland dominated by *Arrhenatherum elatius*; *Dactylis glomerata*; *Holcus lanatus* and *Poa pratensis* with occasional *Phleum pratense* and *Lolium perenne*. Forbs are scarce; the most common species being creeping buttercup; creeping cinquefoil and common mouse-ear. There are scattered nettle; hogweed; cow parsley, spear thistle and creeping thistle. UPDATED 09/05/2012 CFT. Grassland previously shown on map is now a housing development.
- sp24u18 Poor horse grazed semi-improved grassland; cropped very short and dominated by *Poa* spp.; *Dactylis glomerata* and *Holcus lanatus* with frequent white and red clover; creeping buttercup; selfheal with scattered nettle; spear and creeping thistle; broad-leaved dock and occasional dove's-foot crane's-bill; daisy and autumn hawkbit.



sp24u19	A small area of broad-leaved plantation on the site of an overgrown garden; dominated by ash with occasional oak; sycamore and poplar over snowberry and Japanese knotweed. The hedgerow contains hawthorn; field maple; blackthorn and occasional elm. UPDATED 09/05/2012 CFT. Remnant of semi-natural woodland with plantation mature oaks, holly, yew, ash, elm and hazel. Former parkland belonging to Ettington grange vicarage.
sp24u2	Young oak and ash plantation between lay by and road with occasional birch with an understorey of young ash over bramble; <i>Arrhenatherum elatius</i> ; <i>Dactylis glomerata</i> ; <i>Poa trivialis</i> ; and <i>Elytrigia repens</i> . The verge contains occasional meadow crane's-bill; black medick; red clover and creeping cinquefoil. The interior ground cover is dominated by nettle and creeping thistle with occasional <i>Bromus ramosus</i> ; comfrey and patches of rosebay willowherb. UPDATED 09/05/2012 CFT. Add: red campion, cowslip, hairy st John's wort, cut leaved cranesbill, ground ivy, white dead nettle, wood dock, broad leaf dock, burreed, meadow sweet, water forget-me-not, occasional horse chestnut tree.
sp24u20	Disused road now used for gravel storage and as a footpath. The hedges are mostly ash to the south with sycamore; elm and snowberry becoming more varied to the north with hawthorn; field maple; blackthorn; a greater proportion of elm and a line of poplar. The verge is dominated by <i>Dactylis glomerata</i> ; <i>Arrhenatherum elatius</i> and <i>Holcus lanatus</i> with frequent creeping thistle; nettle; hogweed; creeping buttercup and red clover and occasional hoptrefoil.
SP24U23	Road to by pass closed off here. WCC highways authority and plant store single track path to chain road. Otherwise left to scrub. Single row of gray poplar along one side of track. Otherwise hawthorn/midland hawthorn and dog rose. Ground flora includes white dead nettle, knapweed, common sorrell, and hogweed.
SP24U24	Semi-improved grassland along verge with black medic, ribwort plantain, tufted vetch, red clover etc.
SP24U25	Either side of the carriage way along slope is plantation of field maples, ash, sycamore, crab apple. Some occasional beech. Tops of slope is semi-improved grassland along road side with cowslips and crow garlic.
SP24U26	Semi-improved grassland meadow ungrazed at time of visit with ridge and furrow. Forbs here included bulbous buttercup, cowslips, ribwort plantain, and ground ivy. Unable to gain direct access but field is sub-divided with variations in grazing/sward heights. Some section with horse grazing and or donkeys, other sections ungrazed.
SP24U27	Species rich hedgerow along side cultivated field with occasional mature ash, field maple, and regenerating elm. Midland hawthorn, dog rose and elder. Ground flora includes bush vetch, black medic, cowparsley, cleavers, ground ivy, daisy, ox-eye daisy, ivy and garlic mustard.
SP24U28	10-15m wide buffer between hedgerow. Arable field. Sign 'conservation area', mostly scattered scrub with dog rose and hawthorn. Ground flora of black medic, common sorrell, teasel. Small area of cowslips and cocksfoot occasional sedge. Red clover, bush vetch, knapweed, smooth meadow grass (<i>P. Pratensis</i>). Bottom end of scrub area becomes poor semi-improved grassland, area of regeneration.
SP24U29	Pond in the grounds of Ettington Chase hotel with marsh marigold, yellow iris, and hard rush. Occasional great willow herb and young willow trees. Surrounding former arable field as been re-sealed. Forbs include common mouse ear, dandelion, daisy, red clover and occasional mugwort.
sp24u3	Road verge dominated by <i>Arrhenatherum elatius</i> ; <i>Dactylis glomerata</i> and <i>Elytrigia repens</i> with frequent red clover; yarrow; selfheal and occasional mugwort; wild carrot; meadow vetchling; black medick and black knapweed. UPDATED 09/05/2012 CFT. Former semi-improved grassland along slope here is now broadleaf plantation consisting mostly of sycamore and ash. Under story hawthorn and dog rose. Grass remains on slope along side road.



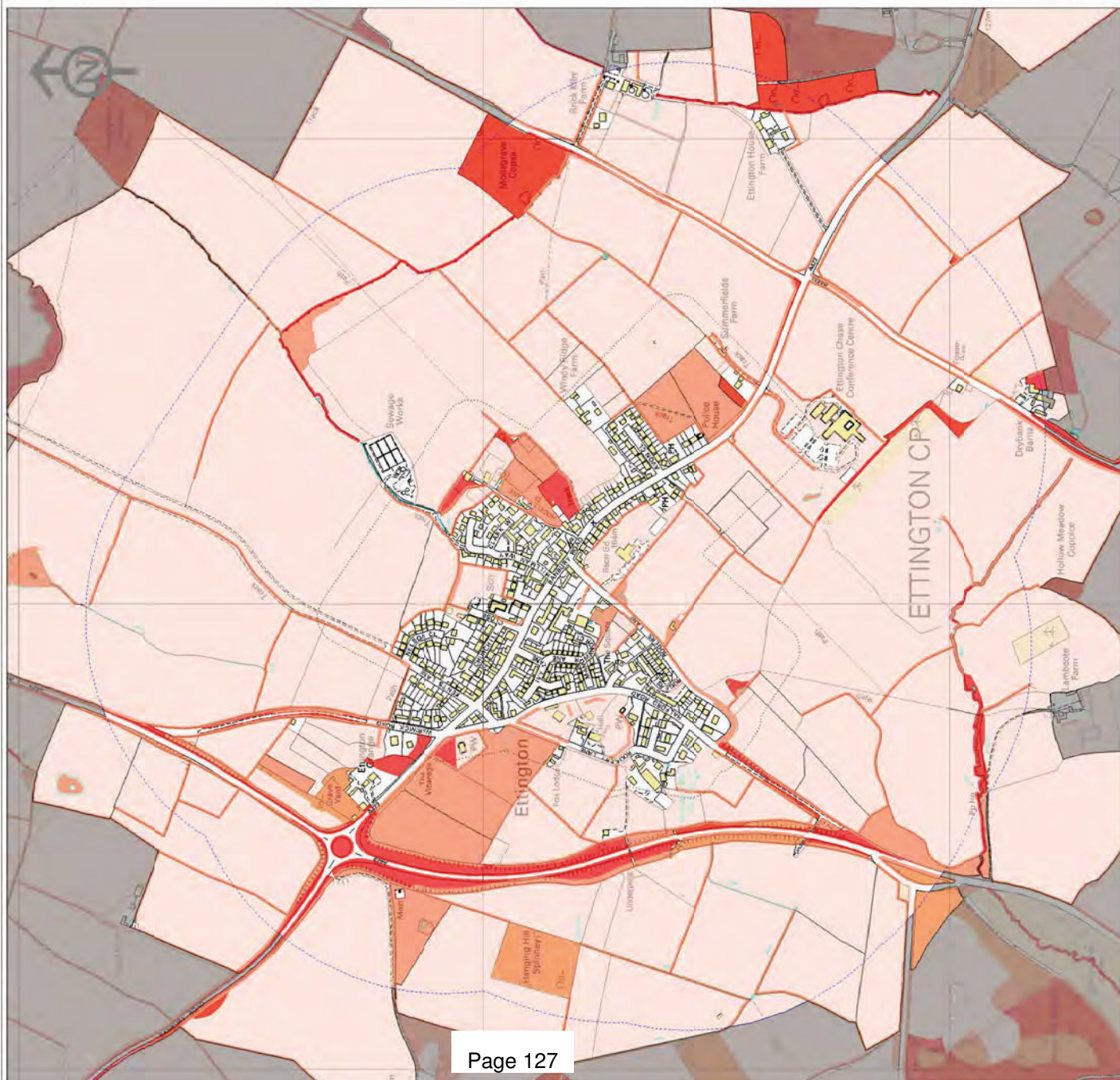
SP24U30	An area of semi-improved natural woodland along side a mixed plantation. With mature oaks and ash tree. Understory has hawthorn, re-generating elm, blackthorn and bramble. Ground flora includes wood brome (<i>Brachypodium sylvaticum</i>), bluebell, wood dock, occasional dogs mercury, primrose, goldilocks buttercup also ground ivy and herb robert.
SP24U31	Poor semi-improved grassland, ungrazed at time of visit with frequent meadow foxtail, smooth meadow grass (<i>P Pratensis</i>). Bulbous buttercup, lady's smock, common mouse ear and germander speedwell (<i>Veronica chamaedrys</i>).
sp24u4	Road verge with scattered hawthorn; elder; field maple and young elm scrubover patches of nettle and hogweed and grassland dominated by <i>Arrhenatherum elatius</i> ; <i>Dactylis glomerata</i> and <i>Elytrigia repens</i> with frequent red clover; yarrow; selfheal and occasional mugwort; wild carrot; meadow vetchling; black medick and black knapweed. UPDATED 09/05/2012 CFT. Add: Frequent cut leaved cranesbill, meadow buttercup, bugle, meadow sweet, daisy, ground ivy, tufted vetch, ox-eye daisy, arrow bulbous buttercup, spotted medic (<i>Medicago arabica</i>).
sp24u5	Oak and ash plantation with an uneven understorey of hawthorn and occasional blackthorn; hazel and elder over <i>Brachypodium sylvaticum</i> ; bramble and occasional <i>Bromus ramosus</i> ; red campion; nettle; upright hedge parsley; woodavens; ground ivy and dog mercury. There are small numbers of hairy St. John'swort.
sp24u7	Steep cutting with species rich semi-improved grassland. Grasses include frequent <i>Festuca rubra</i> ; <i>Poa trivialis</i> ; <i>Dactylis glomerata</i> with occasional <i>Cynosurus cristatus</i> . Forbs are many and varied with frequent wild carrot; black medick; ox-eye daisy; meadow vetchling and occasional scattered tall melilot; bird's-foot trefoil; black knapweed; common centaury; bristly ox-tongue; <i>Carex flacca</i> ; agrimony; lady's bedstraw and fairy flax. Common spotted orchid are recorded for the site but were not seen during the survey. UPDATED 09/05/2012 CFT. Add: Bush vetch, meadow sweet bulbous buttercup, cowslips, ribwort plantain, cocks foot, birch and hawthorn starting to colonize along bank also false brome.
sp24u8	Ettington roundabout with species rich semi-improved grassland. Grasses include frequent <i>Festuca rubra</i> ; <i>Poa trivialis</i> ; <i>Dactylis glomerata</i> with occasional <i>Cynosurus cristatus</i> . Forbs are many and varied with frequent wild carrot; black medick; ox-eye daisy; meadow vetchling and occasional scattered tall melilot; bird's-foot trefoil; black knapweed; common centaury; bristly ox-tongue; <i>Carex flacca</i> ; agrimony; lady's bedstraw and fairy flax. Bee orchid and common spotted orchid are recorded for the site but were not seen during the survey. UPDATED 09/05/2012 CFT. Add: Bugle, cowslips, cut leaved cranesbill, ox-eye daisy and hedge bedstrw. Stand of horse chestnut in center of roundabout.
sp24u9	Previously semi-improved grassland; at time of survey a building site. UPDATED 09/05/2012 CFT. New housing development here.



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3: HIGH
2: MODERATE
1: LOW

STUDY AREA

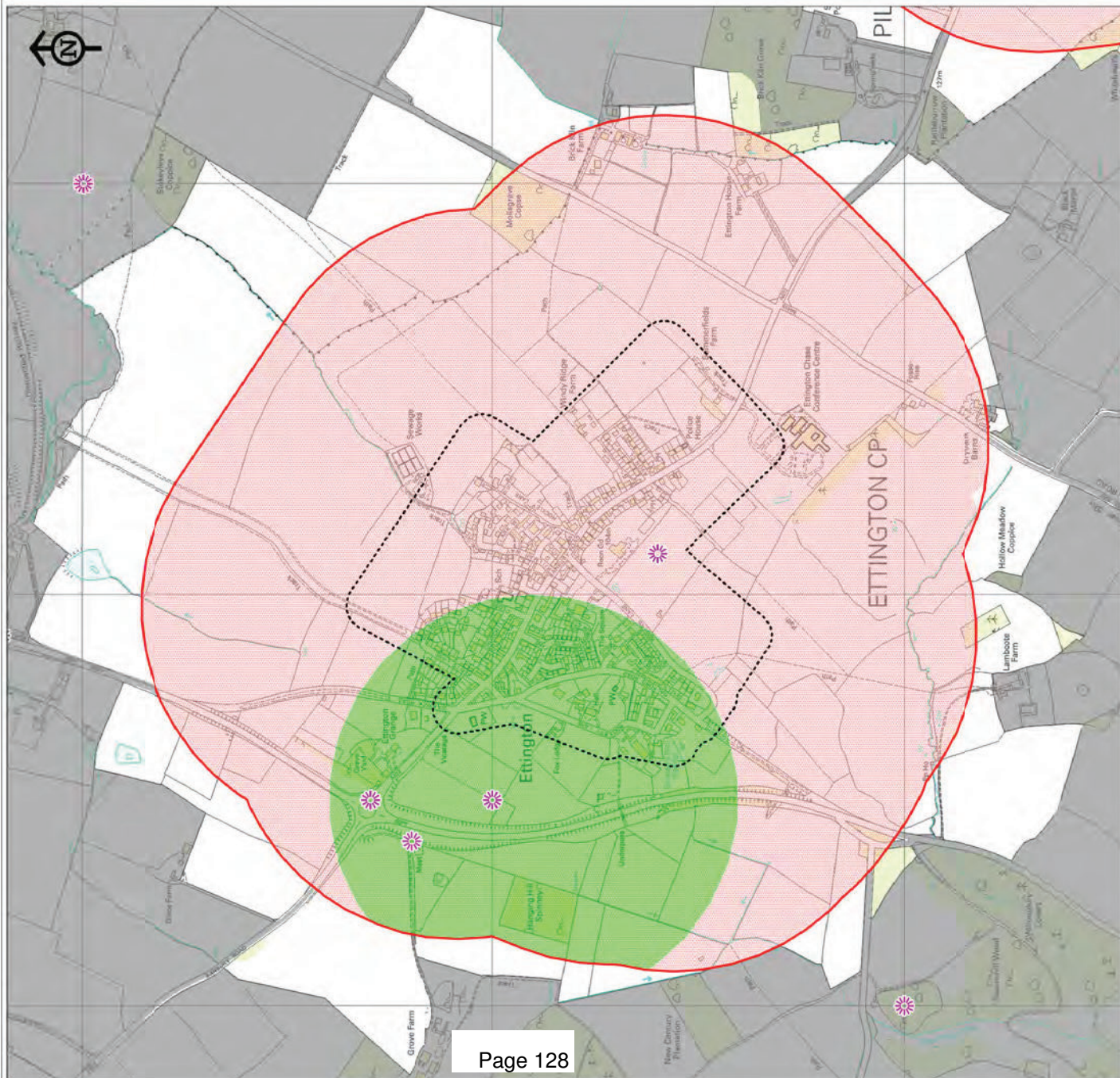
STUDY AREA

Settlements

500m buffer

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ETTINGTON



Species

Buffer zone for water vole or white-clawed crayfish

Buffer zone for protected amphibians and reptiles

Buffer zone for bat

Black Poplar

Veteran tree

County rare plant

Warwickshire Biological Records Centre



STUDY AREA



500m buffer

OS DEVELOPED LAND USE AREA



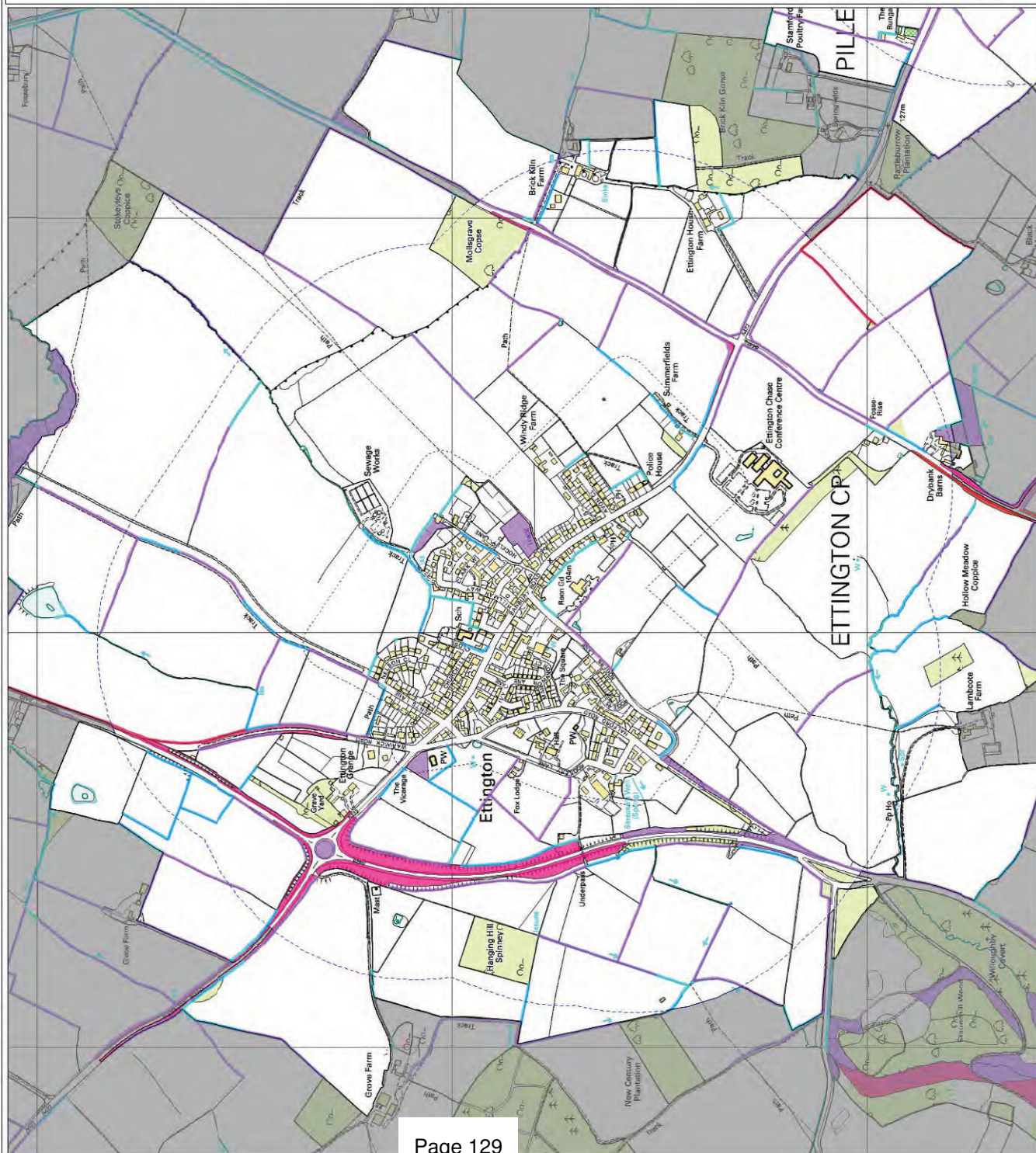
Settlements

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PRINTED 04/07/2012



ETTINGTON



Grassland 1km Connectivity



High 2,000,000 to 20,000,000

500,000 to 2,000,000

100,000 to 500,000

50,000 to 100,000

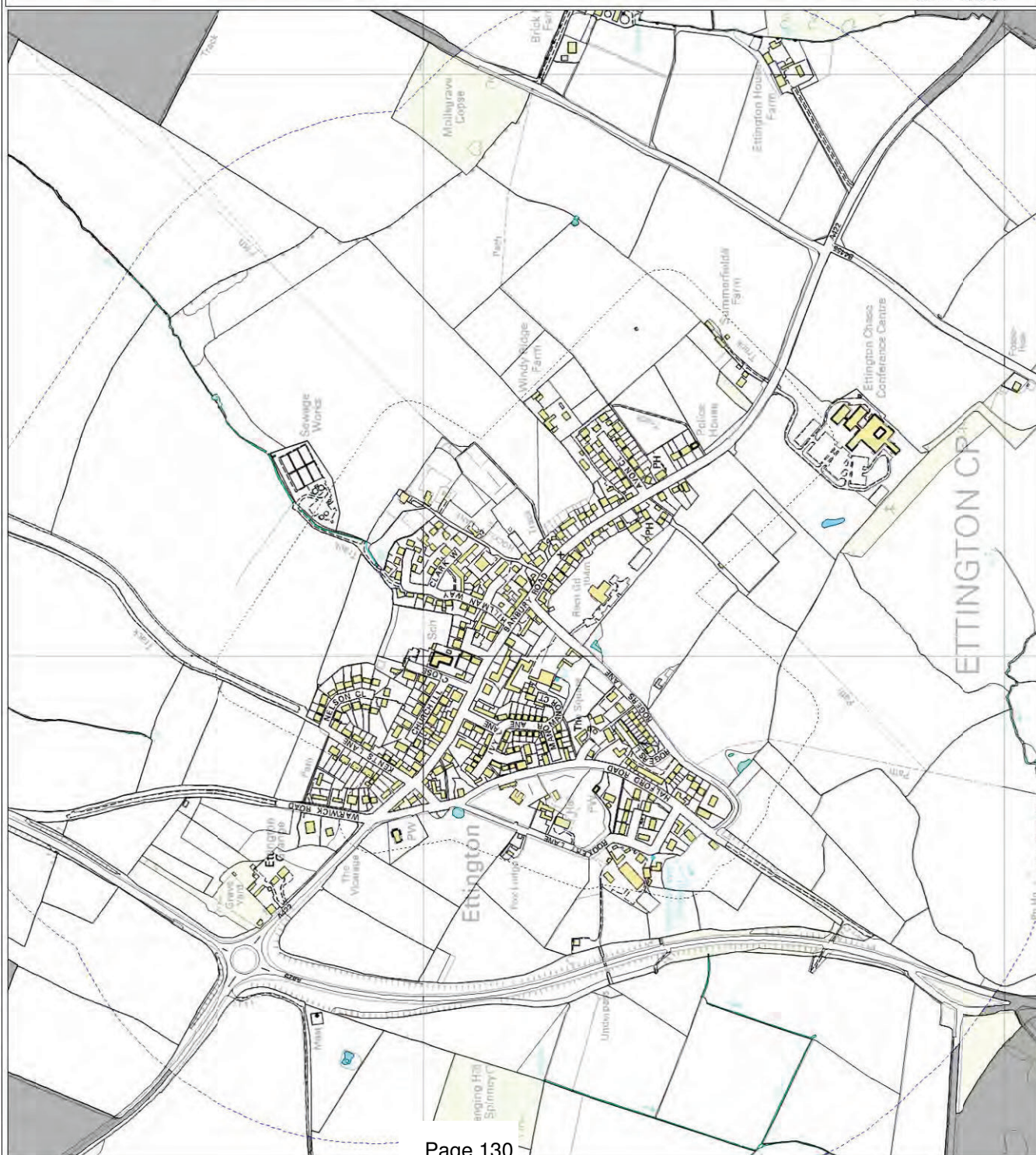
Low 1 to 50,000

NO CONNECTIVITY

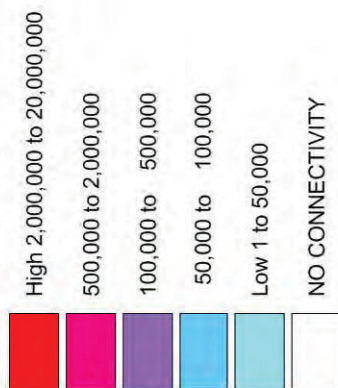




ETTINGTON



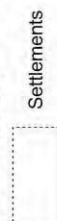
Pond 1km Connectivity



STUDY AREA



OS DEVELOPED LAND USE AREA



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ETTINGTON



Woodland 1km Connectivity

HIGH: 2,000,000 to 20,000,000
 500,000 to 2,000,000
 100,000 to 500,000
 50,000 to 100,000
 LOW: 1 to 50,000
 NO CONNECTIVITY 0 to 0

STUDY AREA 500m buffer

OS DEVELOPED LAND USE AREA Settlements

Stratford-on-Avon District Council

Ecological and Geological Study of Local Service Villages

Settlement Assessment: Fenny Compton

Designated sites:

Status Name	Area in hectares	Grid ref.	Description
LWS potential site			
SP45G1 Fenny Compton Station Meadows	24.93	SP4235	Semi-natural grasslands & marsh

Key Target Notes

- SP45g5 – SP45g10 – Fenny Compton Station Meadows
- SP45g4 Rail embankment

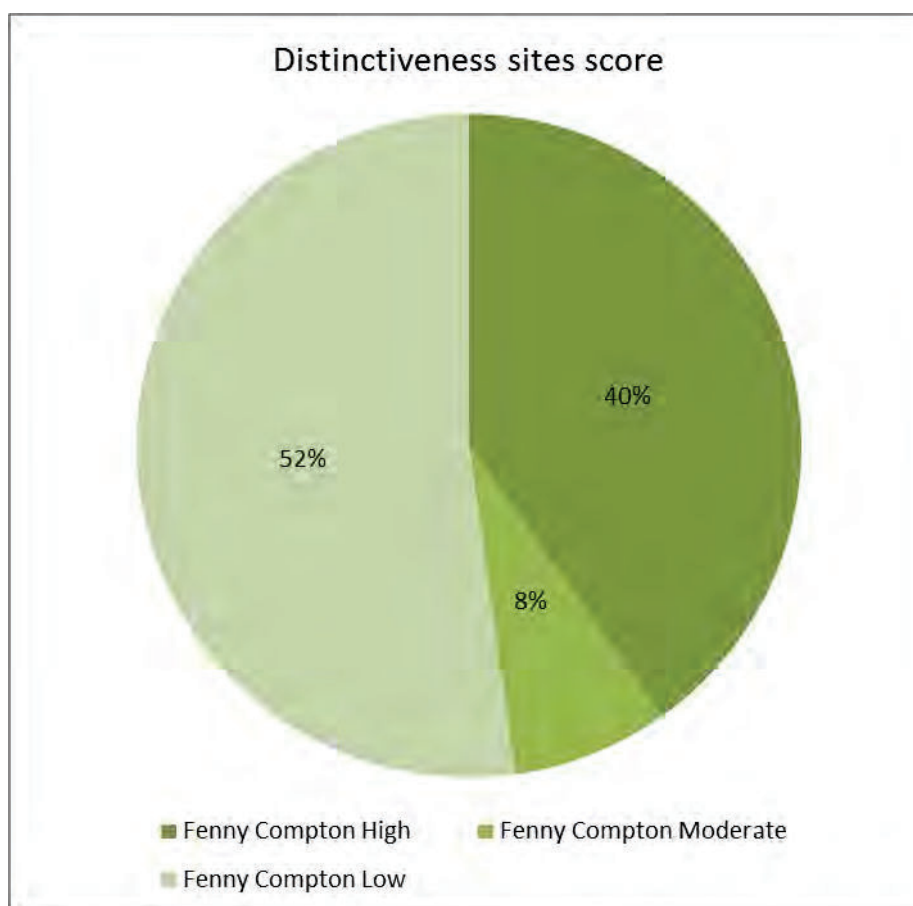
Habitat Description

The grasslands are the habitats with the highest distinctiveness including a number of semi-improved grassland sites to the north of the settlement between the playing fields and the railway tracks.

The edges of the railway line with a mix of scrub and ruderal habitats offer connectivity opportunities for grassland sites.

Distinctiveness Phase 1 habitats	No. of sites	Area in hectares	Score
High			
A111 Broad-leaved semi-natural woodland	1	0.23	3
A5 Orchard	2	0.14	6
B22 Semi-improved neutral grassland	12	16.75	36
B5 Marsh/marshy grassland	1	1.35	3
F1 Swamp	1	0.04	3
G1 Standing water	2	0.02	6
G2 Running water	2	0.14	6
Sub Total	21	18.68	63
Moderate			
A112 Broad-leaved plantation	1	0.05	2
A21 Dense/continuous scrub	1	0.00	2
A22 Scattered scrub	1	0.64	3
B6 Semi-improved neutral grassland	3	1.34	6
Sub Total	6	2.03	13
Low			

A132 Mixed plantation	4	1.63	4
B4 Improved grassland	33	76.36	33
J11 Arable	23	136.22	23
J12 Amenity grassland	22	9.47	44
Sub Total	82	223.68	104
Totals	109	244.39	180



Geological Description

Fenny Compton is in an area of considerable importance (a) for its Lower Jurassic geology (mudstones and limestones of the Charmouth Mudstone Formation with considerable potential for palaeontological finds) and (b) its geomorphology with respect to the 400ft topographic bench that has been at the centre of a landscape controversy. Any excavations hereabouts would be of interest for purposes of recording and/or museum collecting. Disturbances (excavations) within the crucial landscape features should also be flagged up.

Protected Species

Common lizard, hedgehog and the bat species of common pipistrelle and an indeterminable species have been recorded in the settlement area. In the wider area there are additional records of brown hare, badger and the bat species of daubenton,

brown long-eared and noctule plus butterfly species of small heath and grizzled skipper that could use habitats within the settlement area. There are additional records for rare plants including wild celery, lesser chickweed and mountain currant in the wider surrounding area.

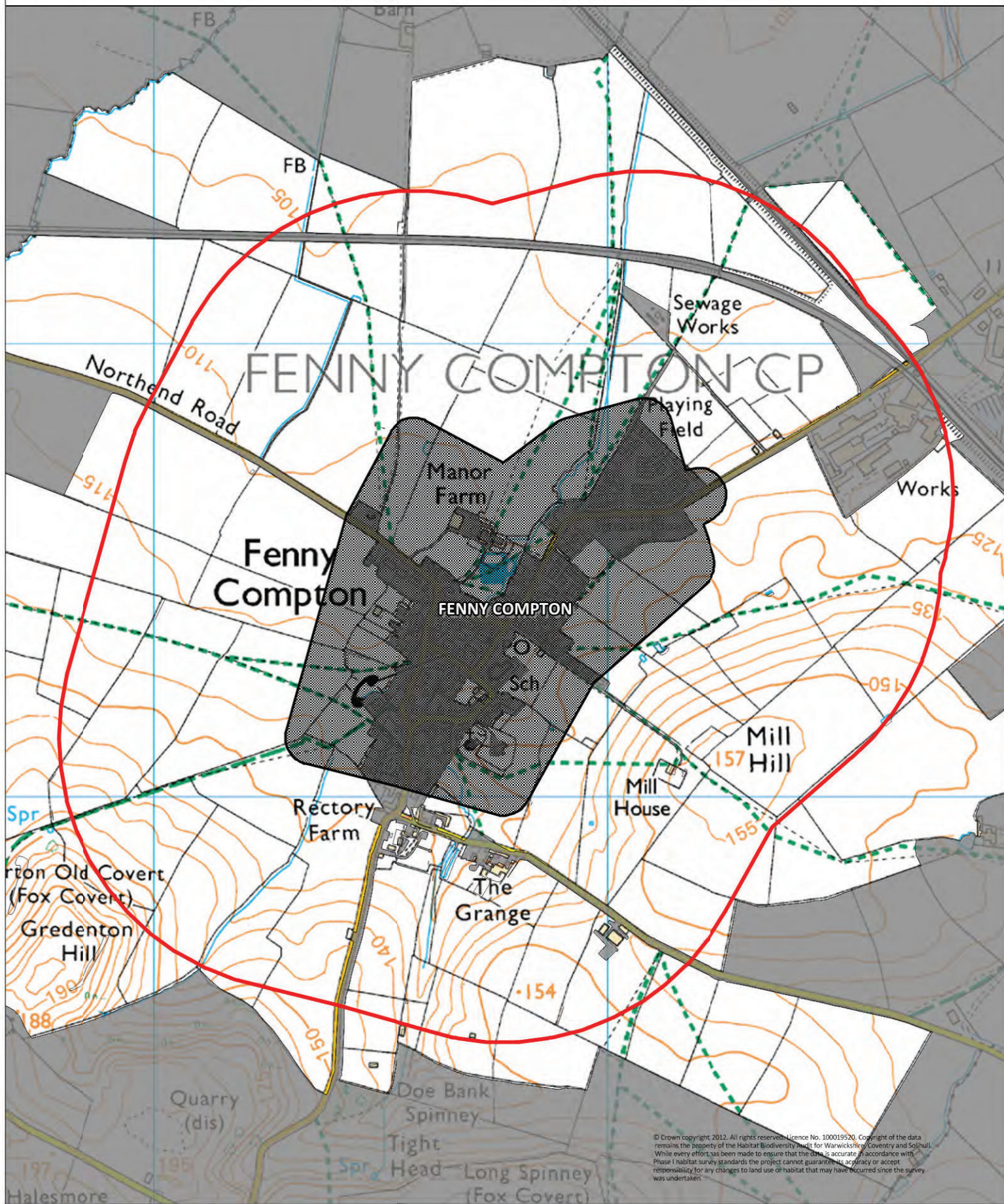
Recommendations for Further Survey

- Fenny Compton Station Meadows



FENNY COMPTON

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2.9 SQKM

Settlements



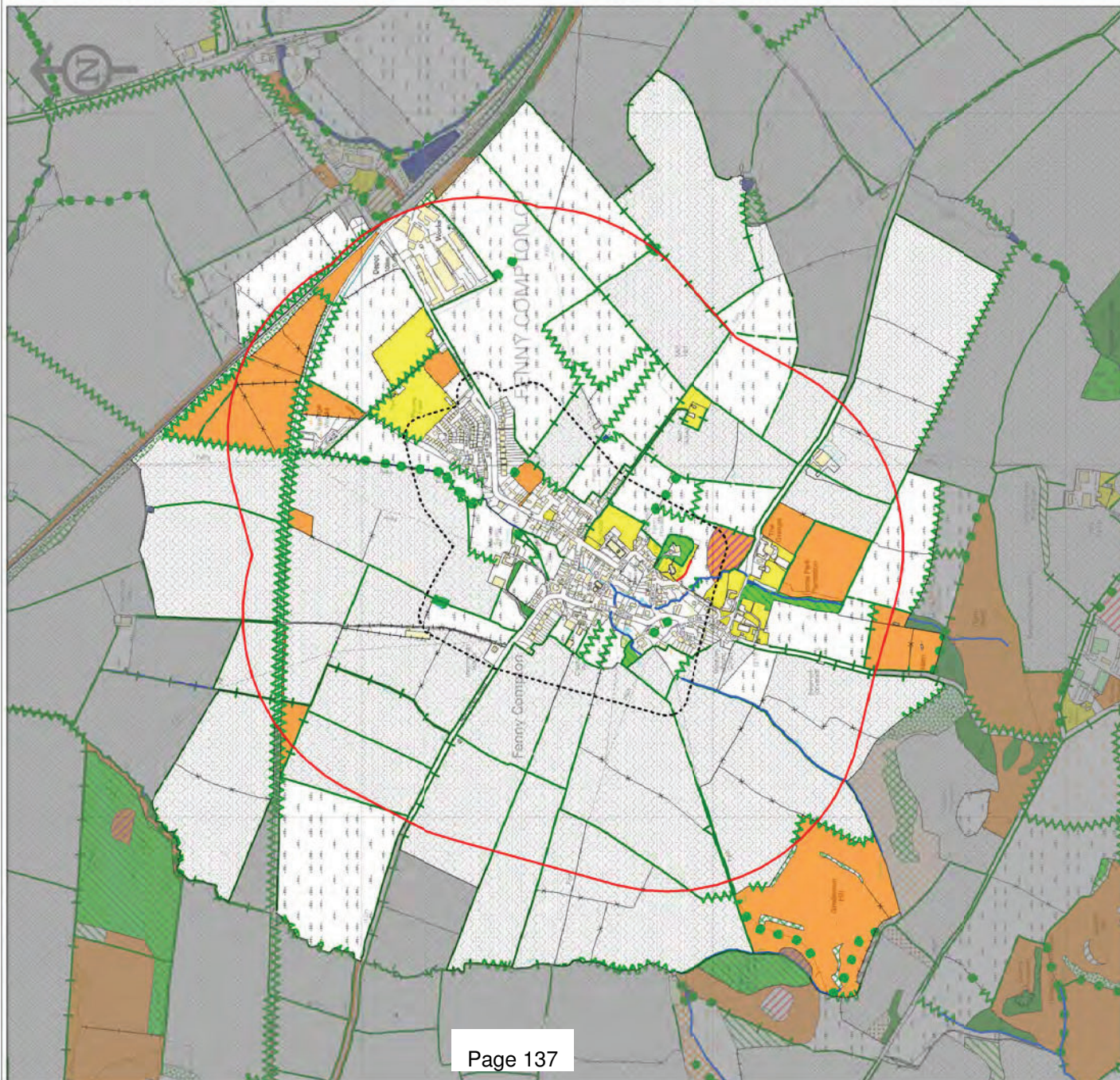
Settlements

500m Buffer



500m Buffer

FENNY COMPTON



PHASE 1 HABITAT SURVEY

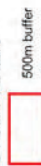
Habitat Types

A111 (Broad-leaved semi-natural woodland)	C32 (Non-ruderal)
A112 (Broad-leaved plantation)	D5 (Dry heath/acid grassland mosaic)
A121 (Coniferous semi-natural woodland)	E11 (Sphagnum Bog)
A122 (Coniferous plantation)	E21 (Acid/neutral flush)
A131 (Mixed semi-natural woodland)	E31 (Valley mire)
A132 (Mixed plantation)	E32 (Basin mire)
A21 (Dense/continuous scrub)	F1 (Swamp)
A22 (Scattered scrub)	F22 (Inundation vegetation)
A31 (Broad-leaved parkland/scattered trees)	G1 (Standing water)
A32 (Coniferous parkland/scattered trees)	G2 (Running water)
A4 (Recently felled woodland)	I21 (Quarry)
A5 (Orchard)	I22 (Spoil)
B11 (Unimproved acidic grassland)	I23 (Mire)
B12 (Semi-improved acidic grassland)	I24 (Refuse tip)
B21 (Unimproved neutral grassland)	J11 (Arable)
B22 (Semi-improved neutral grassland)	J112 (Allotments)
B31 (Unimproved calcareous grassland)	J113 (Self-seed)
B32 (Semi-improved calcareous grassland)	J12 (Amenity grassland)
B4 (Improved grassland)	J13 (Ephemeral/short perennial)
B5 (Marsh/marshy grassland)	J14 (Introduced shrub)
B6 (Poor semi-improved grassland)	J36 (Buildings)
C11 (Continuous bracken)	J4 (Bare ground)
C31 (Tall ruderal)	

Linear Features

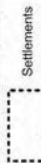
A21 (Linear Scrub)	J23 (Hedge with Trees)
A3 (Linear Trees)	J231 (Native Species Rich Hedge with Trees)
G1 (Standing Water)	J24 (Fence)
G2 (Running Water)	J25 (Wall)
I1 (Inland Cliff)	J26 (Dry Ditch)
J21 (Intact Hedge)	J27 (Boundary Removed)
J211 (Native Species Rich Intact Hedge)	J28 (Earth Bank)
J22 (Defunct Hedge)	

STUDY AREA



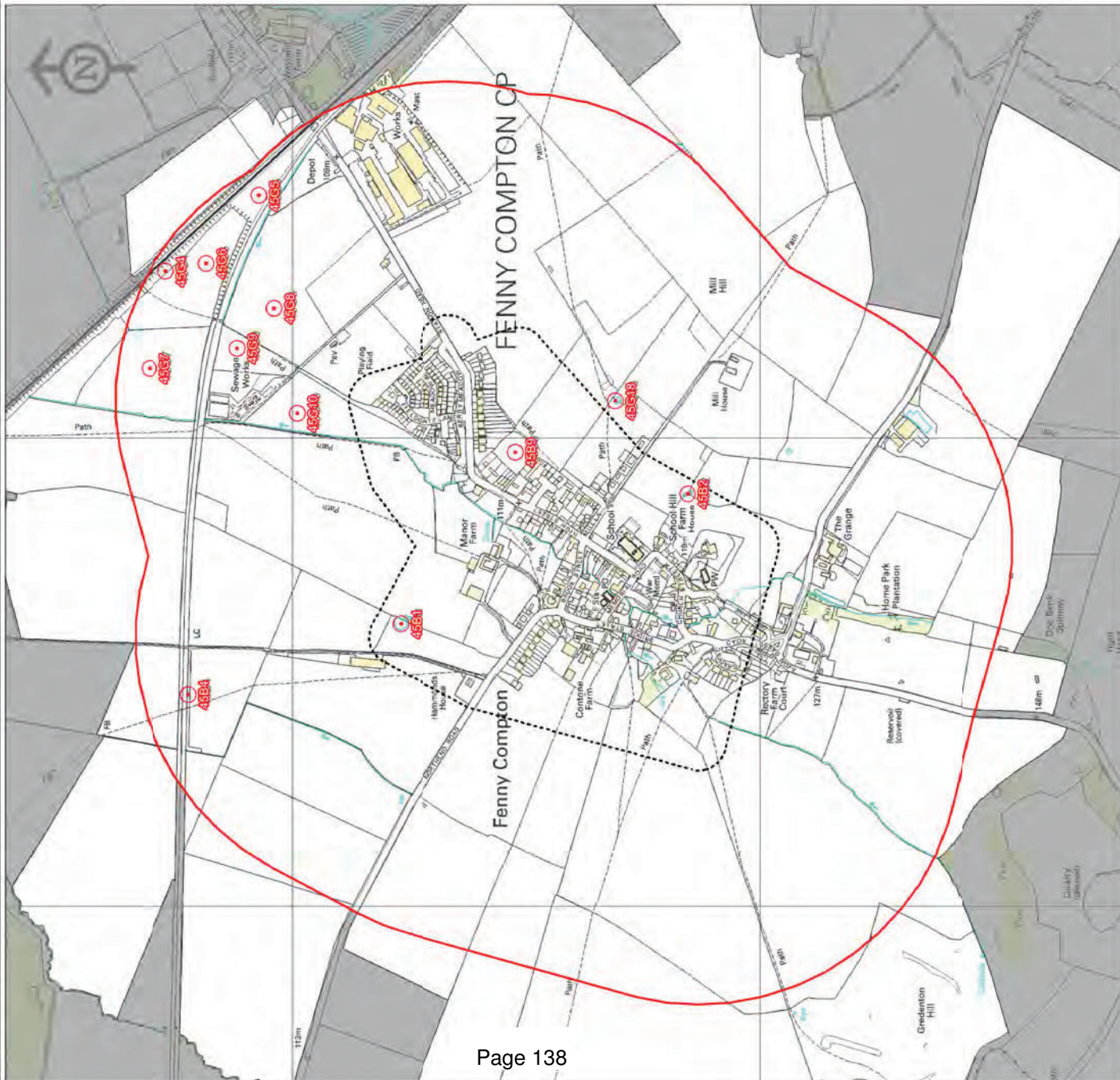
500m buffer

OS DEVELOPED LAND USE AREA



Settlements

FENNY COMPTON



Point

Settlements

500m buffer

500m buffer

Stratford-on-Avon District Council Ecological Villages Study

Target Notes

Fenny Compton

sp45b1	Former pool now dominated by <i>Glyceria maxima</i> with yellow iris; greatwillowherb; meadow vetchling; woody nightshade and <i>Juncus inflexus</i> . Alder;hawthorn and elm occur at the ponds edge.
sp45b2	Small farm pond dominated by <i>Lemna minor</i> with some woody nightshade and brooklime and nettle and great willowherb along the banks. Fenced off from cattle with some overhanging hawthorn and white willow. Potential for amphibians.
SP45B4	Set aside strip 5 metres wide with white clover, meadow vetchling, meadow foxtail, common sorrel, common vetch, narrow leaved sorrel, birdsfoot trefoil and ladies bedstraw.
SP45B9	Poor semi improved neutral grassland with abundant red clover, occasional cuckooflower, creeping buttercup, common chickweed, common sorrel, black medick.
sp45g10	Semi-improved grassland dominated by <i>Cynosurus cristatus</i> ; with <i>Holcus lanatus</i> ; frequent lesser knapweed; meadow buttercup; red clover; <i>Juncus inflexus</i> ; pepper saxifrage; <i>Agrostis stolonifera</i> ; <i>Deschampsia cespitosa</i> ; <i>Juncus effusus</i> and <i>Juncus inflexus</i> . UPDATED 22/05/2012 CFT. Sheep grazed field with few forbs present. Occasional meadow buttercup.
sp45g18	Farm pool which is fenced and no longer accessible to stock. Willow and scrub is starting to shade out the pool which still retains an area of dense water crowfoot. Some potential for amphibians.
sp45g4	Rail embankment containing locally abundant common restharrow; yarrow; ribwort plantain; perforate st john's wort; wild parsnip; with rosebay willowherb; creeping cinquefoil; <i>Festuca rubra</i> ; <i>Festuca arundinacea</i> ; <i>Hieracium</i> sp. tall melilot; lesser knapweed; locally dominated by <i>Arrhenatherum elatius</i> ; teasel; hogweed; field bindweed; common toadflax; nettle; bramble; hawthorn; dog rose; woody nightshade; oxford ragwort; great mullein; musk mallow; pea(?); bush vetch and bird's foot trefoil.
sp45g5	Triangular area between rail tracks containing semi-improved grassland with some patches of <i>Phragmites australis</i> and meadowsweet within rail-sideditches and a small section of outgrown hedge. Species include <i>Festuca rubra</i> ; <i>Arrhenatherum elatius</i> ; teasel; bramble; wild parsnip; tall melilot; hogweed; wetland thistle; stonecrop; creeping cinquefoil; perforate st john's wort; selfheal; lady's bedstraw; lesser knapweed; bush vetch and tufted vetch. The main area is heavily rabbit grazed with the perimeter containing some rosebay willowherb and dog rose. UPDATED 22/05/2012 OP. No access. Reports of bee orchids.
sp45g6	Meadow between rail lines including abundant <i>Festuca rubra</i> ; <i>Holcus lanatus</i> ; with abundant lesser knapweed; sorrel; meadow buttercup; bulbous buttercup and containing locally abundant lady's bedstraw; frequent pepper saxifrage with selfheal; <i>Carex nigra</i> ; agrimony; bird's foot trefoil and lady's smock. Contains wet areas within the field pattern furrows which include abundant <i>Juncus inflexus</i> ; creeping buttercup and an abundance of sedges. Meadow is cut for hay. UPDATED 22/05/2012 OP. Once a highly diverse hay meadow, this field is now permanent pasture and has suffered as a result. Species as described with bugle and ragged robin. Contains ridge and furrow.
sp45g7	Meadow between rail lines including abundant <i>Agrostis capillaris</i> ; <i>Trisetum flavescens</i> ; <i>Festuca rubra</i> ; <i>Holcus lanatus</i> ; with frequent to abundant lesser knapweed; sorrel; meadow buttercup; bulbous buttercup; great burnet and containing locally abundant lady's bedstraw; frequent pepper saxifrage with selfheal; agrimony and bird's foot trefoil. Within hollows lady's smock and <i>Juncus effusus</i> occur. the drainage ditch to the west of the site is dominated by fool's watercress. UPDATED 22/05/2012 OP. as described with cuckooflower, and locally frequent great burnet.
sp45g8	Poor semi-improved grassland with <i>Holcus lanatus</i> ; <i>Alopecurus pratensis</i> ; <i>Trisetum flavescens</i> ; meadow buttercup; creeping buttercup; sorrel; red clover and including some wet areas with <i>Juncus inflexus</i> ; <i>Juncus effusus</i> with lady's smock; <i>Carex hirta</i> ; great willowherb and silverweed along the hedgerow.





sp45g9

Semi-improved grassland including abundant *Holcus lanatus*; *Agrostis capillaris* and containing locally abundant lesser knapweed with meadow buttercup; pepper saxifrage; great burnet and lady's bedstraw. Contains deep ridge and furrow that is prone to flooding and contains *Juncus effusus*; creeping buttercup; *Glyceria fluitans*; *Juncus inflexus*; with *Alopecurus geniculatus*; *Carex hirta*; *Agrostis stolonifera*; *Deschampsia cespitosa*; wood nightshade; *Phalaris arundinacea* and *Juncus conglomeratus*. The area has a strong potential for amphibians and contains populations of dragonflies. The whole area is managed as a hay meadow apart from the wetter parts which are unmanaged. UPDATED 22/05/2012 OP. Poor semi improved neutral grassland with meadow buttercup, bush vetch, greater stitchwort, common knapweed, meadow foxtail, lady's smock, common mouse-ear, common sorrel, creeping buttercup, occasional spear thistle, silverweed, cuckooflower, great burnet, red clover, hop trefoil. Wet area has no rush species. Common blue butterfly seen.



FENNY COMPTON


ISSS Ancient Woodland Ancient Woodland

DEFERRED SITE

DEFERRED SITE

LOCAL WILDLIFE SITE

LOCAL WILDLIFE SITE

POTENTIAL LOCAL WILDLIFE SITE

POTENTIAL LOCAL WILDLIFE SITE

LNR

LNR

WWT Reserve

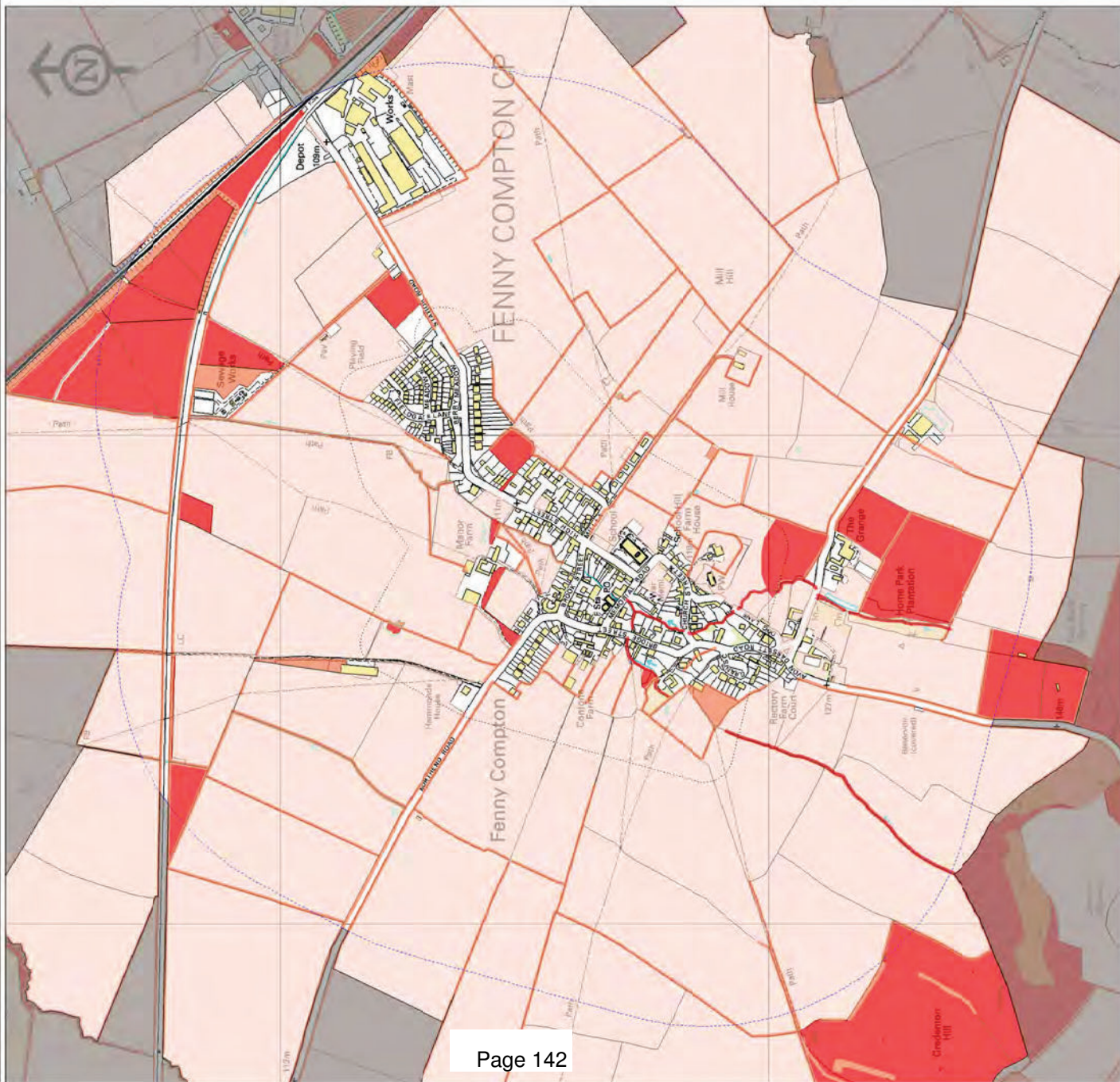
WWT Reserve

Settlements

Settlements

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FENNY COMPTON



3: HIGH
2: MODERATE
1: LOW

STUDY AREA

500m buffer

FENNY COMPTON



Species

- Buffer zone for water vole or white-clawed crayfish
- Buffer zone for protected amphibians and reptiles
- Buffer zone for bat
- Black Poplar
- Veteran tree
- County rare plant

Warwickshire Biological Records Centre

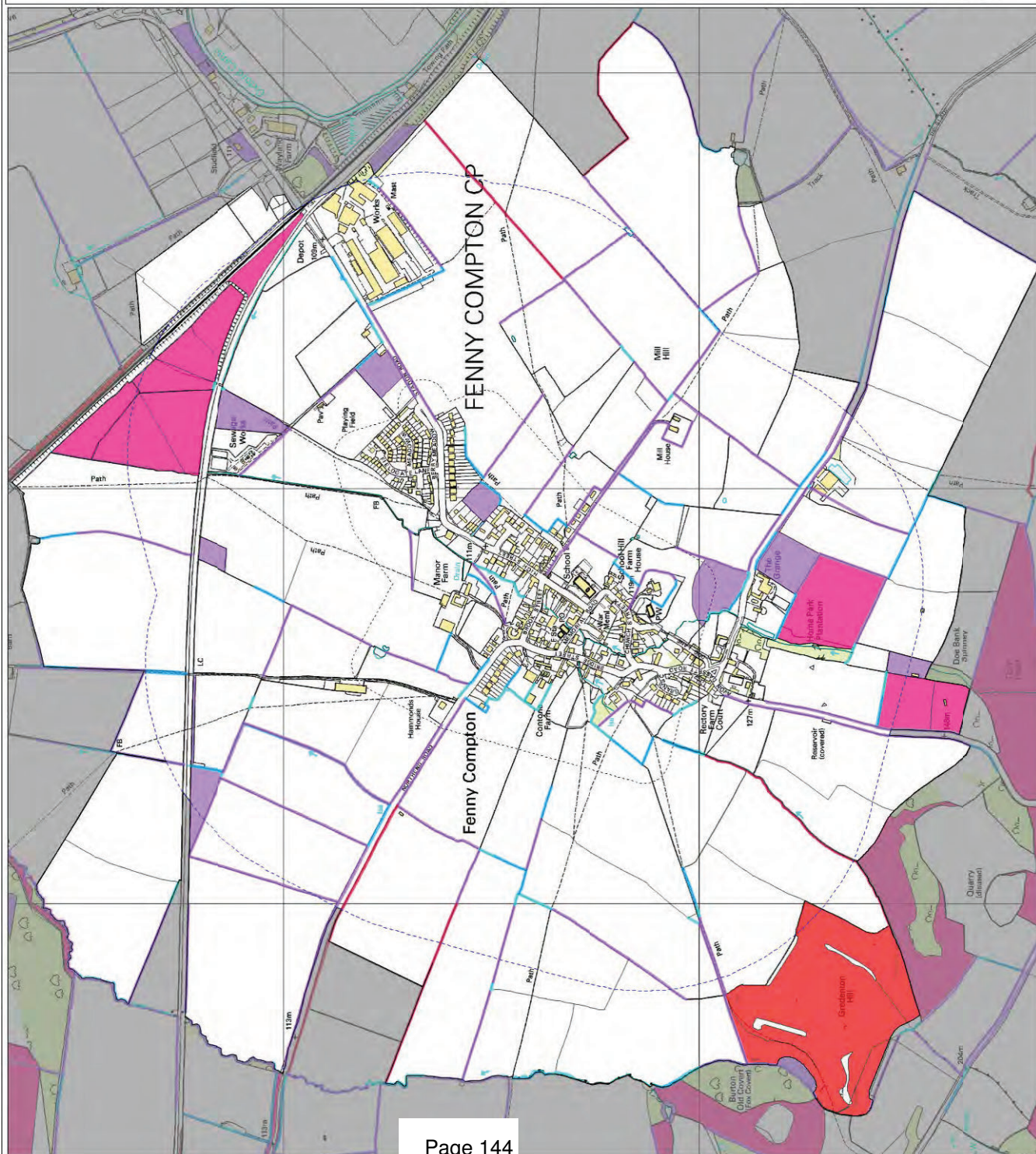


STUDY AREA 500m buffer

OS DEVELOPED LAND USE AREA Settlements



FENNY COMPTON



Grassland 1km Connectivity



High 2,000,000 to 20,000,000

500,000 to 2,000,000

100,000 to 500,000

50,000 to 100,000

Low 1 to 50,000

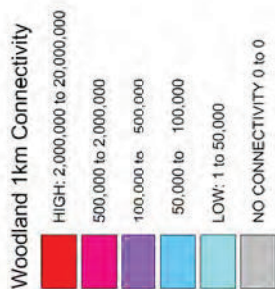
NO CONNECTIVITY





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HABITAT BIODIVERSITY AUDIT
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The map shows a rectangular area labeled 'STUDY AREA' with a dashed border. Inside this area, a smaller rectangle is labeled '500m buffer'. To the right of the study area, a larger rectangle is labeled 'OS DEVELOPED LAND USE AREA' with a dashed border. Within this larger area, a smaller rectangle is labeled 'Settlements'.

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