

## Stratford-on-Avon District Council

### Ecological and Geological Study of Local Service Villages

#### Settlement Assessment: Alderminster

#### Designated sites:

<b>Status: Local Wildlife Sites</b>			
<b>Name</b>	<b>Area</b>	<b>Grid ref.</b>	<b>Description</b>
SP24J1 Alderminster Churchyard	0.87	SP2294	Semi-natural grasslands & marsh
<b>Status: potential sites</b>			
SP24J2 Bell Hill Covert and Fields	6.00	SP2304	Woodland & scrub
SP24J4 Alderminster Meadows	1.03	SP2244	Semi-natural grasslands & marsh
SP23Li17n River Stour	78.73	SP2544	Water courses and water bodies

Note: Area in hectares

#### Key Target Notes

- SP24J1 Alderminster Churchyard.
- SP24J11 Semi-improved grassland on shallow south facing slope on ridge and furrow
- SP24J9 River Stour

#### Habitat Descriptions

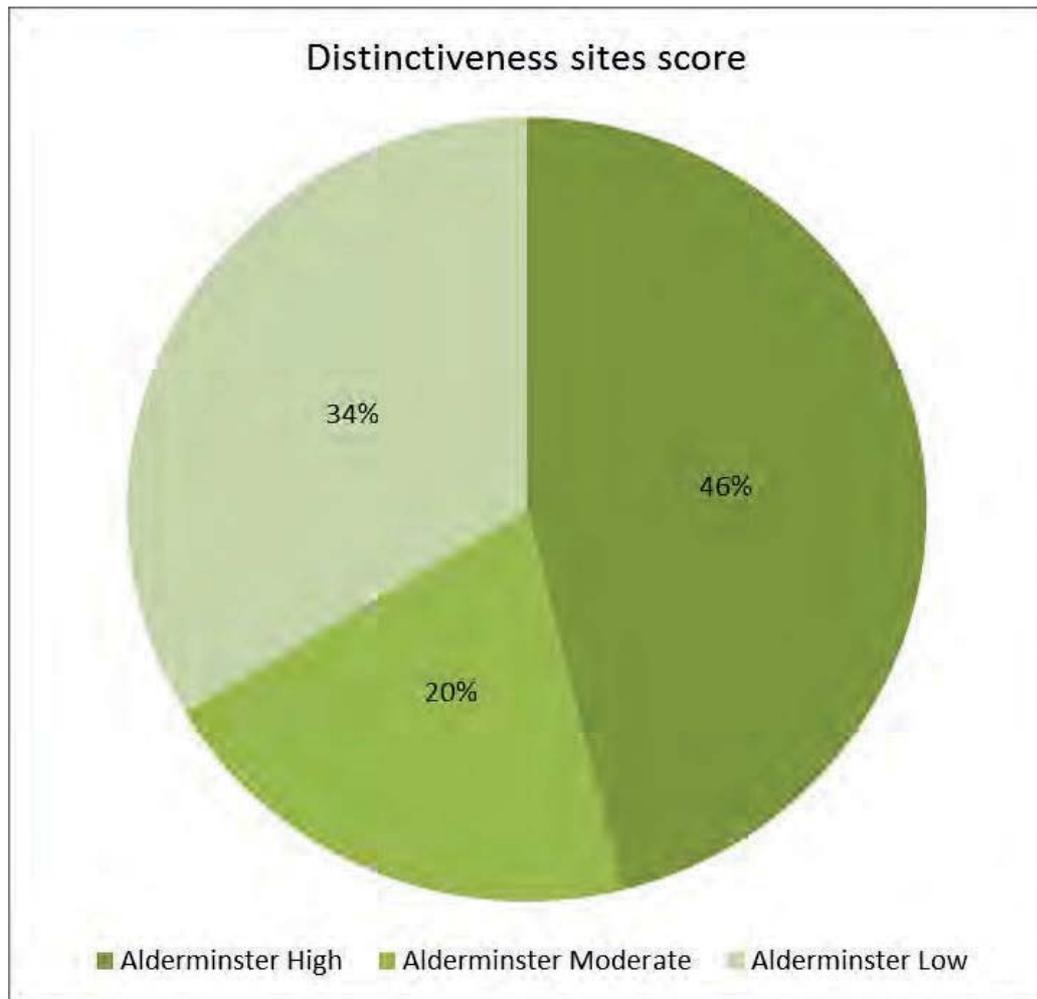
Alderminster has two important habitat types; semi-improved grasslands including calcareous grassland which is of particular note and the River Stour. There is also a higher than average area of tall ruderal, suggesting these areas have been neglected.

The less improved grasslands are generally on the steeper banks where grazing is more difficult for livestock. The survey did identify a new potential Local Wildlife Site which was a mix of unimproved calcareous grassland and open scrub the site is described in Target note SP24J11.

The road verges through the village are remnants of the old semi-improved grasslands and can be quite species rich, these are generally classified as semi-improved grasslands (B22) and target noted for plant species. The verge between Alderminster and Newbold-on-Stour has been noted in the Newbold survey.

The River Stour and grazing land along the river close to the village should be considered as important for wildlife conservation. The River itself is an important wildlife corridor for the area.

<b>Distinctiveness: Phase 1 habitats</b>	<b>No. of sites</b>	<b>Area in hectares</b>	<b>Score</b>
<b>High</b>			
A111 Broad-leaved semi-natural woodland	11	3.11	33
B21 Unimproved neutral grassland	1	1.63	3
B22 Semi-improved neutral grassland	12	5.84	36
G1 Standing water	2	0.04	6
G2 Running water	6	3.14	18
<b>Sub Total</b>	<b>32</b>	<b>13.75</b>	<b>96</b>
<b>Moderate</b>			
A112 Broad-leaved plantation	8	4.24	16
A21 Dense/continuous scrub	4	0.89	8
A22 Scattered scrub	1	0.40	3
B6 Semi-improved neutral grassland	6	8.89	12
J113 Set-aside	2	0.49	2
<b>Sub Total</b>	<b>21</b>	<b>14.92</b>	<b>41</b>
<b>Low</b>			
B4 Improved grassland	32	100.74	32
C31 Tall ruderal	2	6.69	4
J11 Arable	25	158.89	25
J12 Amenity grassland	10	2.82	20
J4 Bare ground	1	0.12	1
<b>Sub Total</b>	<b>70</b>	<b>269.25</b>	<b>82</b>
<b>Totals</b>	<b>123</b>	<b>297.93</b>	<b>219</b>



**Geological Interest**

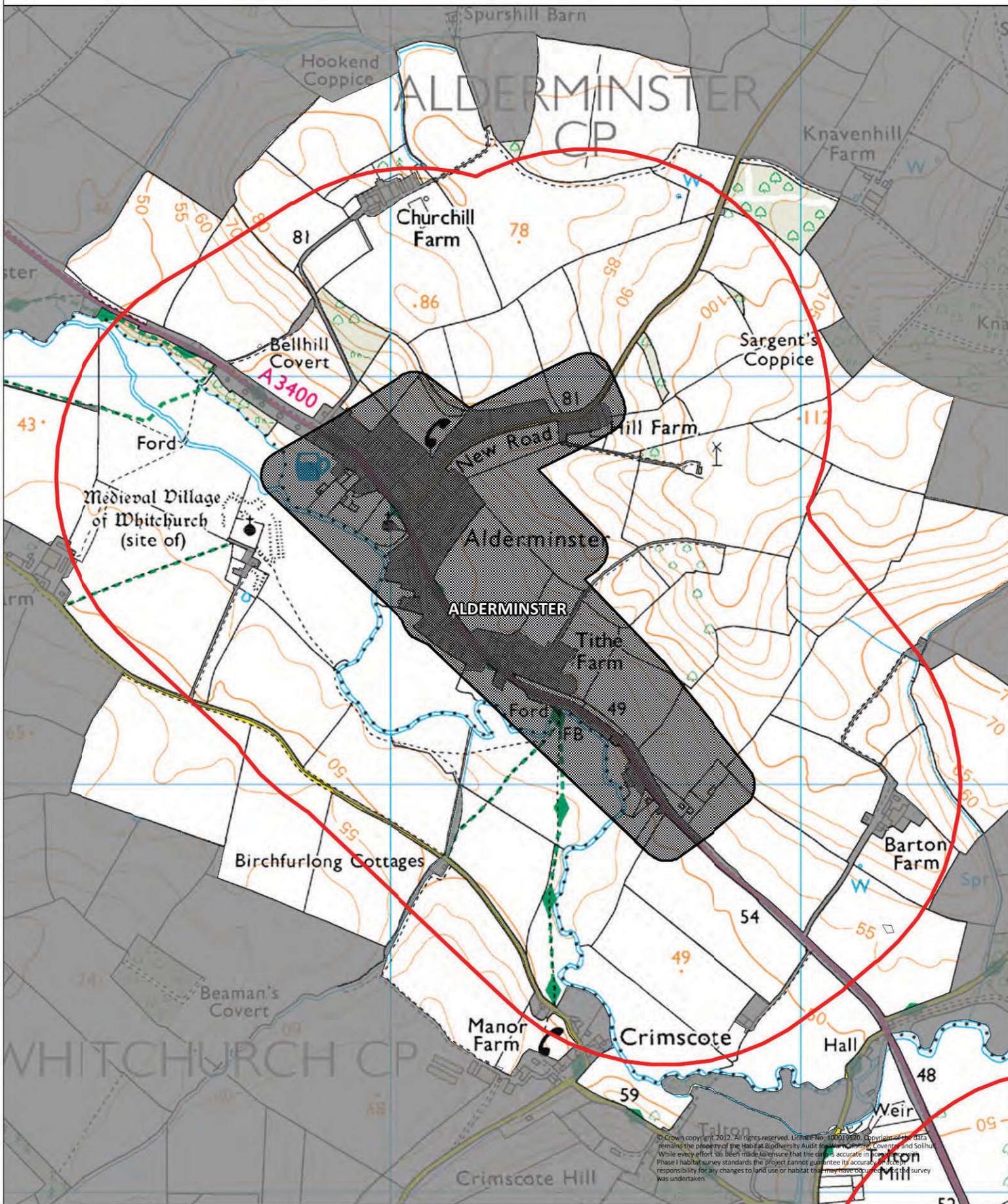
Alderminster is sited in an area of potential interest for Quaternary river terrace deposits and alluvium, overlying late Triassic – early Jurassic bedrock. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

**Protected Species**

Grass snake, badger and hedgehog plus the rare plants of Wild Clary and Wild Liquorice have been recorded in the settlement area. In the wider area there are records of indeterminable bats, brown hare and otter that could use habitats within the settlement area. There are additional records for rare plants including Shining pondweed (River Avon), rye brome, green winged orchid in the wider surrounding area.

**Recommendations for Further Survey**

- River Stour
- Bell Hill Covert and Fields

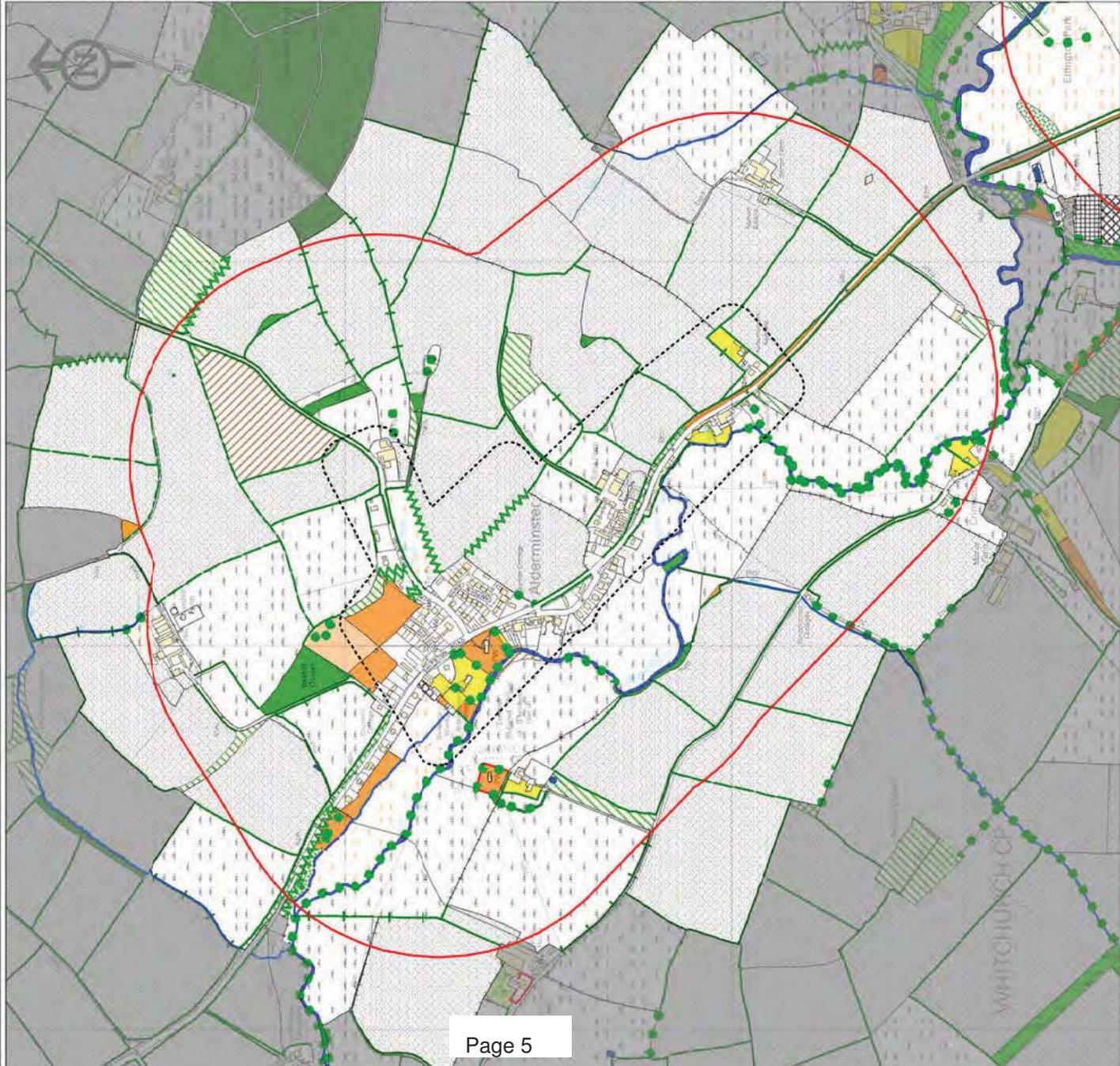


© Crown copyright 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire Coverts and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards this project cannot guarantee its accuracy. The surveying responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

3.4 SQKM



# ALDERMINSTER



## PHASE 1 HABITAT SURVEY

- Habitat Types
- A111 (Broad-leaved semi-natural woodland)
  - A112 (Broad-leaved plantation)
  - A121 (Coniferous semi-natural woodland)
  - A122 (Coniferous plantation)
  - A131 (Mixed semi-natural woodland)
  - A132 (Mixed plantation)
  - A21 (Dense/continuous scrub)
  - A22 (Scattered scrub)
  - A31 (Broad-leaved parkland/scattered trees)
  - A32 (Coniferous parkland/scattered trees)
  - A4 (Recently felled woodland)
  - A5 (Orchard)
  - B11 (Unimproved acidic grassland)
  - B12 (Semi-improved acidic grassland)
  - B21 (Unimproved neutral grassland)
  - B22 (Semi-improved neutral grassland)
  - B31 (Unimproved calcareous grassland)
  - B32 (Semi-improved calcareous grassland)
  - B4 (Improved grassland)
  - B5 (Marsh/marshy grassland)
  - B6 (Poor semi-improved grassland)
  - C11 (Continuous bracken)
  - C31 (Tall ruderal)

- C32 (Non-ruderal)
- D5 (Dry heath/acid grassland mosaic)
- E11 (Sphagnum Bog)
- E21 (Acid/neutral flush)
- E31 (Vale/ mire)
- E32 (Basin mire)
- F1 (Swamp)
- F22 (Inundation vegetation)
- G1 (Standing water)
- G2 (Running water)
- I21 (Quarry)
- I22 (Spill)
- I23 (Mire)
- I24 (Refuse tip)
- J11 (Arable)
- J112 (Allotments)
- J113 (Self-seed)
- J12 (Amenity grassland)
- J13 (Ephemeral/short perennial)
- J14 (Introduced shrub)
- J36 (Buildings)
- J4 (Bare ground)

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

- STUDY AREA
- 500m buffer
  - OS DEVELOPED LAND USE AREA
  - Settlements

© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.



## Alderminster

SP24I8	Wide grass verge with a mix of forbs including Crow Garlic, White and Red Dead Nettle, Cow Parsley, Rib Wort Plantain, Ground Ivy, Yarrow and Common Knapweed.
sp24j1	Alderminster Churchyard. Semi-improved grassland (recently cut at time of survey) with frequent <i>Poa</i> spp.; <i>Dactylis glomerata</i> ; <i>Holcus lanatus</i> and <i>Festucarubra</i> and occasional great and hoary plantain; black medick; germanderspeedwell; rough hawkbit; selfheal and hedge bedstraw with patches of nettles and comfrey. UPDATED 12/04/2012 by CFT. Alderminster churchyard, LWS 2008. Churchyard continues to be well managed and supported as an LWS. There is a display and notice in the entrance to the church describing the LWS with photographs etc. There are regular wildlife talks and visits for school children. In addition to plants (see LWS species lists), there are bat boxes and bird boxes. Area behind churchyard steep bank down to river.
sp24j10	An Ash woodland with occasional oak and a dense understorey of Hawthorn, Hazel and scattered Elder with Dogwood and Wild Privet in the hedge. The ground flora contains frequent nettle; Red Campion; <i>Poa trivialis</i> ; ground ivy and occasional bluebell and <i>Brachypodium sylvaticum</i> .
sp24j11	Poor semi-improved grassland on shallow south facing slope on ridge and furrow containing <i>Poa pratensis</i> ; <i>Dactylis glomerata</i> ; <i>Cynosurus cristatus</i> and occasional <i>Anthoxanthum odoratum</i> and <i>Arrhenatherum elatius</i> . Forbs are sparse but included Selfheal; Autumn Hawkbit; Cat's-ear and Creeping Thistle. Scattered lime trees provide shade for livestock at the top of the slope. UPDATED 12/04/2012 by CFT. Permission to visit this field from owner who confirmed it has belonged to her parents and has largely remained unchanged for 60 yrs minimum. Amount of management no grazing at present other than rabbits and deer field adjoining woodland. Mixed area of unimproved grassland and open scrub. There is also a small deep pond south west corner of field. Ground flora included wood dog violet ( <i>Viola rivinianna</i> ), Primula, lords and ladies, ground ivy. Areas of scrub consisting of bramble and hawthorn, occasional crack willow, tor grass ( <i>Brachypodium pinnatum</i> ). Remnant of old unimproved calcareous grassland. Recommend pLWS survey - owner contact details noted.
sp24j12	Rough grassland dominated by <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> with occasional <i>Holcus lanatus</i> and <i>Phleum pratense</i> . There is scattered Creeping and Spear Thistle with Broad-leaved Dock; Ragwort and Knapweed ( <i>Centaurea nigra</i> ).
sp24j13	Narrow strip of regenerating ash woodland over dense Hawthorn and occasional Elder and Hazel.
sp24j14	Young broad-leaved plantation of ash; oak and cherry over <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> .
sp24j15	No access. A survey undertaken in 1994 describes the two fields as <i>Cynosurus cristatus</i> grassland with Common Knapweed and occasional Fairy Fax, Hoary Ragwort and locally abundant Cowslip. There are patches of Hawthorn scrub with some Elder; Blackthorn and Bramble with extensive areas of Cow parsley.
SP24J16	White Church church yard with mature Lime trees along boundary wall, also Yew, Horse Chestnut, and occasional Silver Birch. Behind the church is an open area with no grave stones, less managed with; Cowslips, Cranesbill sp, Ground Ivy, White Dead Nettle and Cleavers.
sp24j2	River Stour with overhanging sycamore; horse chestnut and alder providing a tangled root system where an old otter spraint was found. The upper banks contain frequent <i>Poa nemoralis</i> and ivy with occasional <i>Brachypodium sylvaticum</i> . The southern bank has scattered pollarded willow with frequent meadowsweet; purple loosestrife and occasional marsh woundwort; teasel and skullcap. <i>Schoenoplectus lacustris</i> and <i>Glyceria maxima</i> are frequent along this stretch of river.

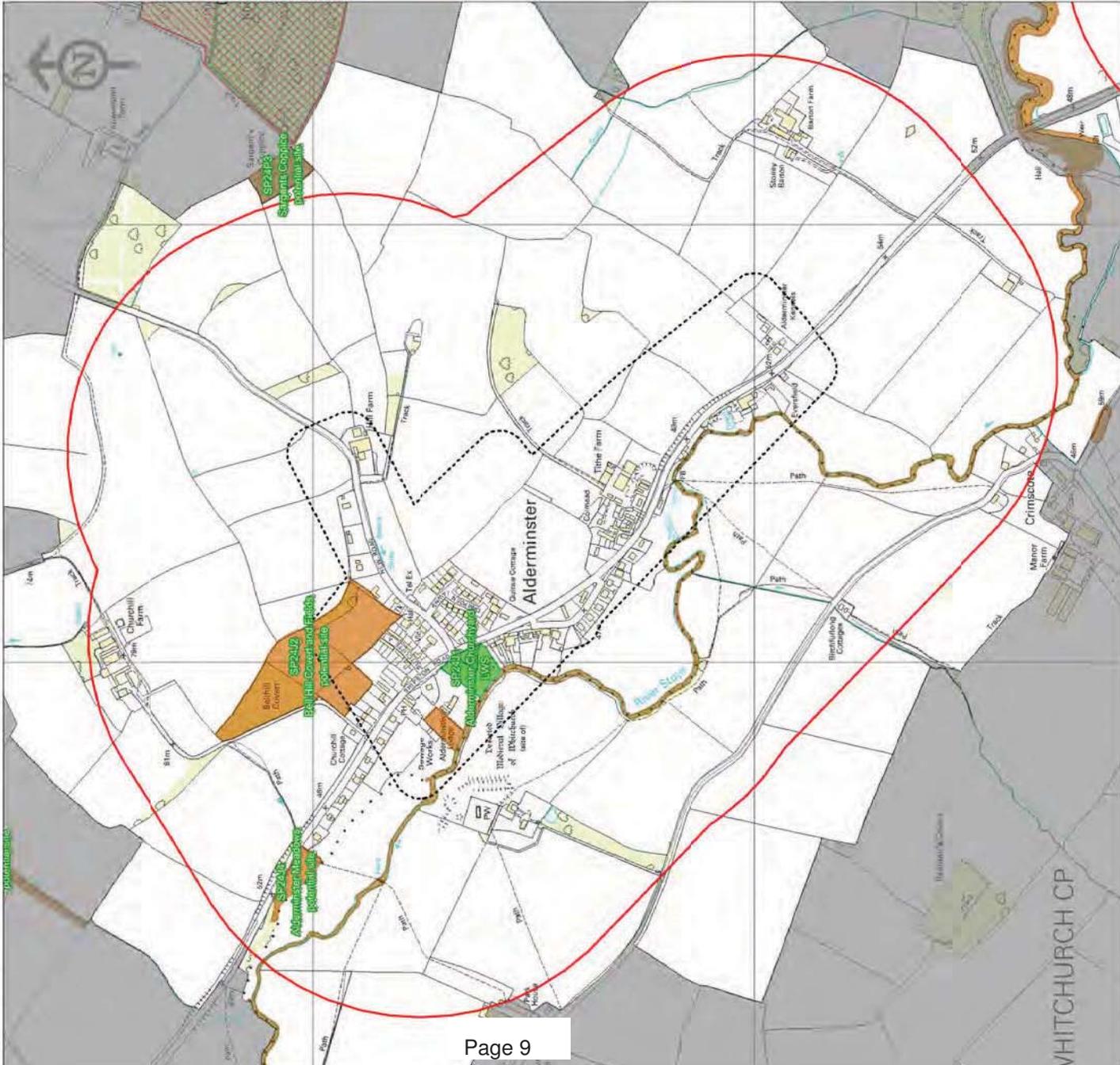


sp24j3	Poor semi-improved grassland dominated by <i>Poa pratensis</i> ; <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> with occasional <i>Holcus lanatus</i> and <i>Festuca rubra</i> and scattered cut-leaved crane's-bill and common mouse-ear. UPDATED 12/04/2012 by CFT. Semi-improved area of grassland behind pub is now amenity grassland, regularly mown and has seating.
sp24j5	Semi-improved pasture. The northern half is on a short but steep south-facing slope and contains frequent <i>Poa pratensis</i> ; <i>Lolium perenne</i> ; <i>Festuca rubra</i> ; <i>Dactylis glomerata</i> and occasional <i>Poa compressa</i> and <i>Poa trivialis</i> . On the steepest part of the slope there is frequent Smooth Cat's-ear; Autumn Hawkbit; Bulbous Buttercup; Black medick and occasional Burnet Saxifrage. To the west the slope becomes dominated by Spear Thistle. UPDATED 12/04/2012 by CFT. Can confirm these fields remain as previously described. In addition there are frequent ant hills. Forbs on top of slope includes White and Red Dead Nettle, Lesser Celandine, and Creeping Thistle. Bank is too steep for grazing.
sp24j6	Semi-improved pasture. The northern half is on a south facing slope and contains frequent <i>Poa pratensis</i> ; <i>Lolium perenne</i> ; <i>Festuca rubra</i> ; <i>Dactylis glomerata</i> and occasional <i>Poa compressa</i> and <i>Poa trivialis</i> . On the steepest part of the slope there are frequent smooth cat's-ear; autumn hawkbit; bulbous buttercup; black medick and occasional burnet saxifrage. Extensive nettle patches occur to the south.
sp24j7	An area of dense elm and hawthorn scrub on a steep south facing slope; with occasional elder. Much of the ground beneath is bare earth with extensive rabbit warrens and remains of a badger sett. Pollarded willow are found in a line along the bottom of the slope. UPDATED 12/04/2012 by CFT. Scrub area remains as described except ground flora is unimproved and there are open grassy among scrub on top of slope with ant hills. Forbs includes Lesser Celandine, Lords and Ladies ( <i>Arum maculatum</i> ), Cleavers, Common Nettle and Broad Leaved Dock, Ground Speedwell, Red Dead Nettle, and Bramble. Evidence of old hedge laying along boundary hedge along A3400. Also coppiced Ash (suggest extending unimproved grassland pLWS to include this area of scrub).
sp24j8	Poor semi-improved sheep grazed flood meadow. There are very few forbs but a variety of grasses including frequent <i>Lolium perenne</i> ; <i>Dactylis glomerata</i> ; <i>Festuca rubra</i> ; <i>Poa pratensis</i> ; <i>Hordeum secalinum</i> ; <i>Holcus lanatus</i> and occasional <i>Anthoxanthum odoratum</i> and <i>Phleum pratense</i> .
sp24j9	River Stour. Grazed by sheep virtually to the water's edge where there are scattered willow pollards and occasional hawthorn scrub. In some places the high bare earth banks have collapsed due to poaching by livestock and occasional narrow sidebars have been colonised by patches of Common Nettle; Bindweed; Marsh Thistle and occasional teasel; comfrey; Purple Loosestrife and Marsh Woundwort. Emergent species include frequent <i>Phalaris arundinacea</i> ; branched bur-reed and <i>Schoenoplectus lacustris</i> with occasional amphibious bistort; Arrowhead and water plantain in areas of slack water. The bare earth banks are used by numerous mining bees.



# ALDERMINSTER

HABITAT BIODIVERSITY AUDIT  
 Warwickshire Historic and Natural Environment  
 100, High Street  
 Warwick  
 CV34 4TH  
 Tel: 01926 412 197  
 Email: [hba@warwickshire.gov.uk](mailto:hba@warwickshire.gov.uk)



## SITES OF SPECIAL SCIENTIFIC INTEREST



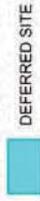
SSSI

## ANCIENT WOODLAND

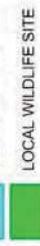


Ancient Woodland

## LOCAL WILDLIFE SITES



DEFERRED SITE



LOCAL WILDLIFE SITE



POTENTIAL LOCAL WILDLIFE SITE

## LOCAL NATURE RESERVE



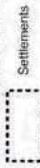
LNR

## WARWICKSHIRE WILDLIFE TRUST RESERVES



WWT Reserve

## OS DEVELOPED LAND USE AREA



Settlements

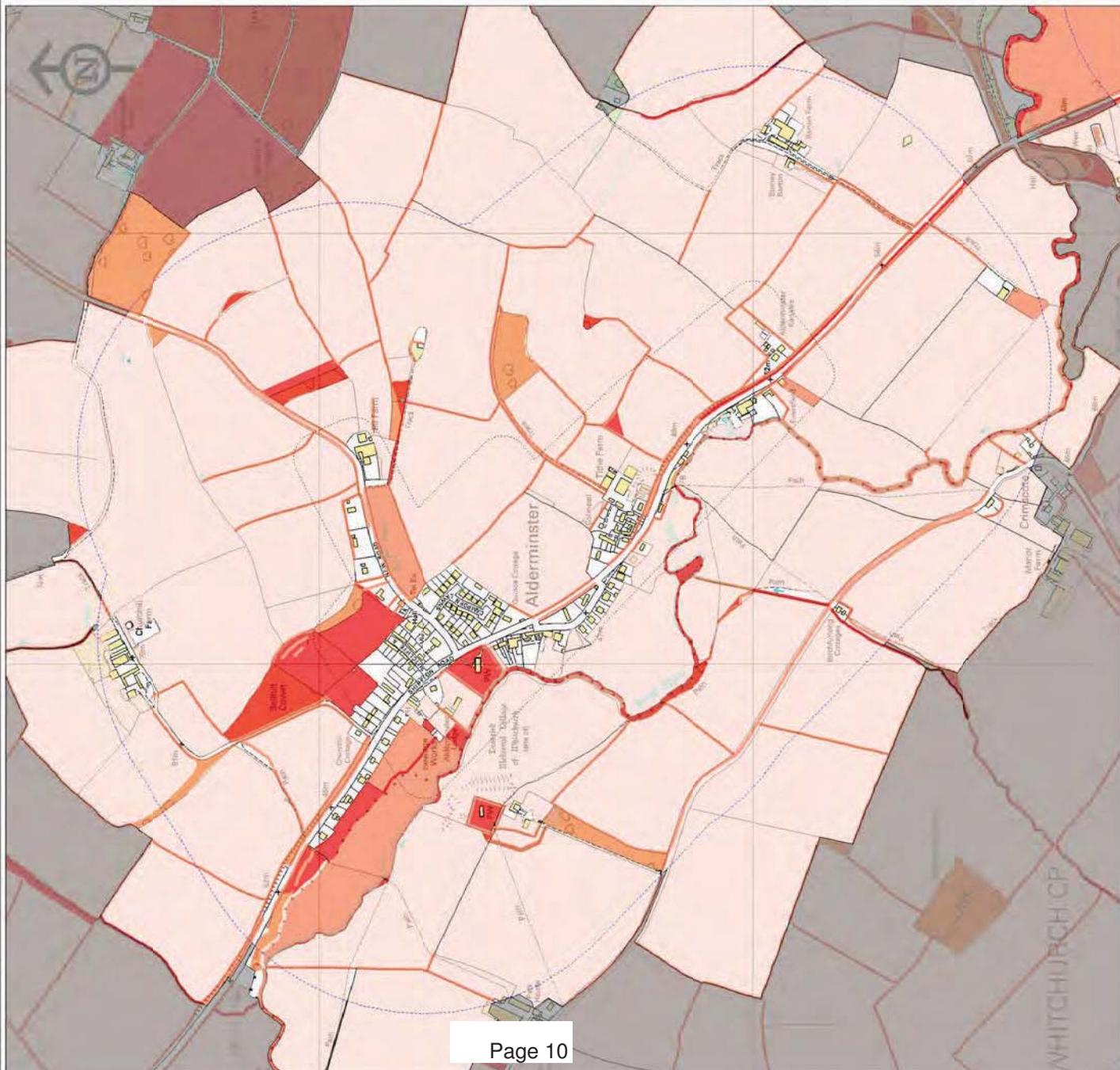
## STUDY AREA



500m buffer

© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards this project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

# ALDERMINSTER



### Settlement Distinctiveness



### OS DEVELOPED LAND USE AREA



### STUDY AREA



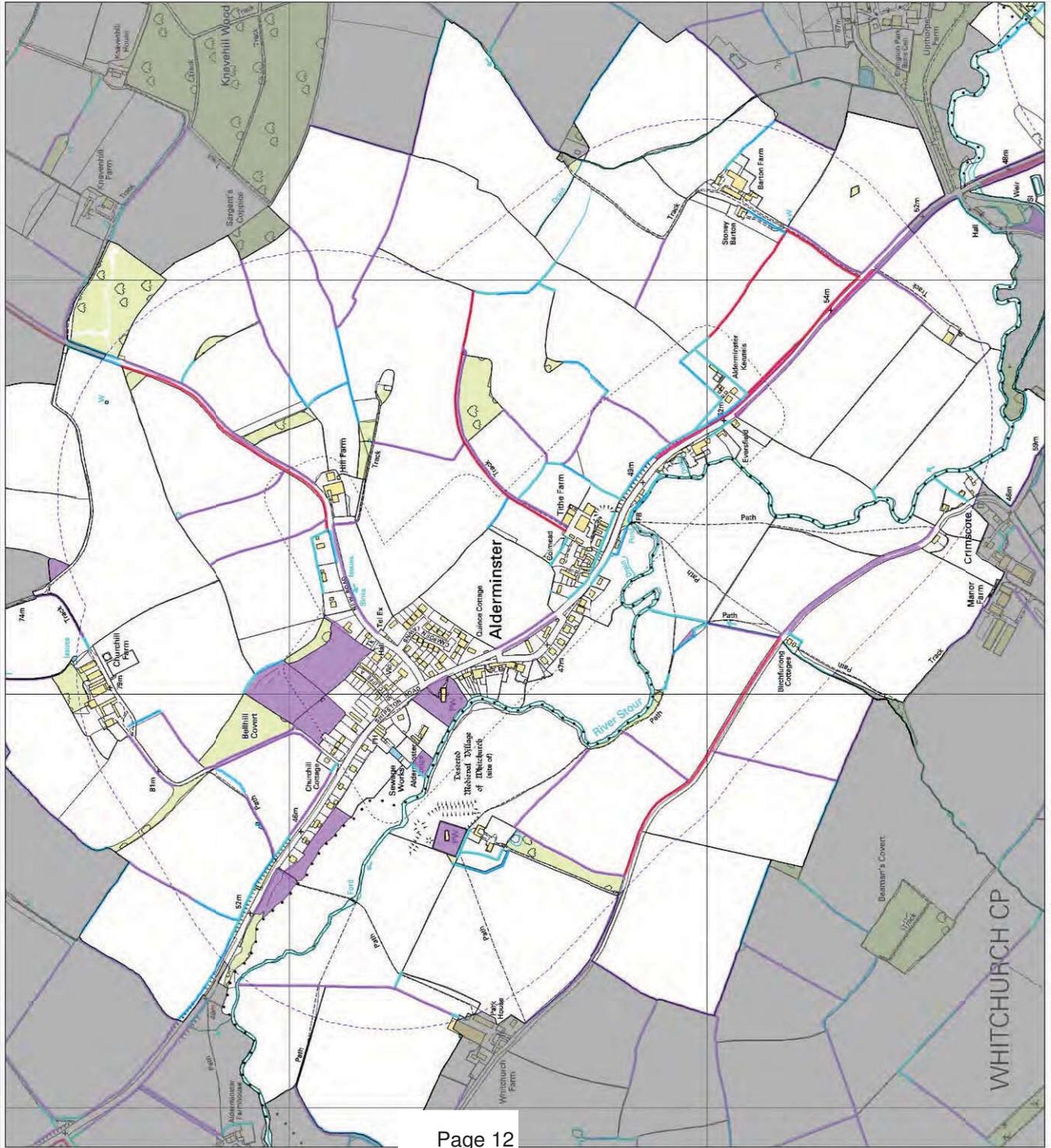
© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept liability for any changes to land use or habitat that may have occurred since the survey was undertaken.



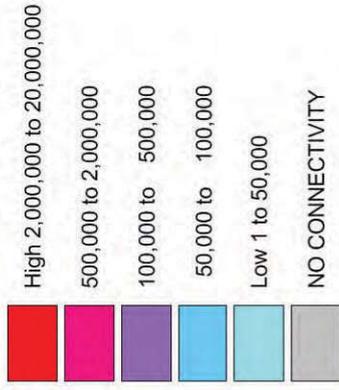


HABITAT BIODIVERSITY AUDIT  
Warwickshire Historic and Natural Environment  
Barrack Street  
Warwick  
CV34 4TH  
Tel: 01926 412 197  
Email: hba@warwickshire.gov.uk

# ALDERMINSTER



## Grassland 1km Connectivity

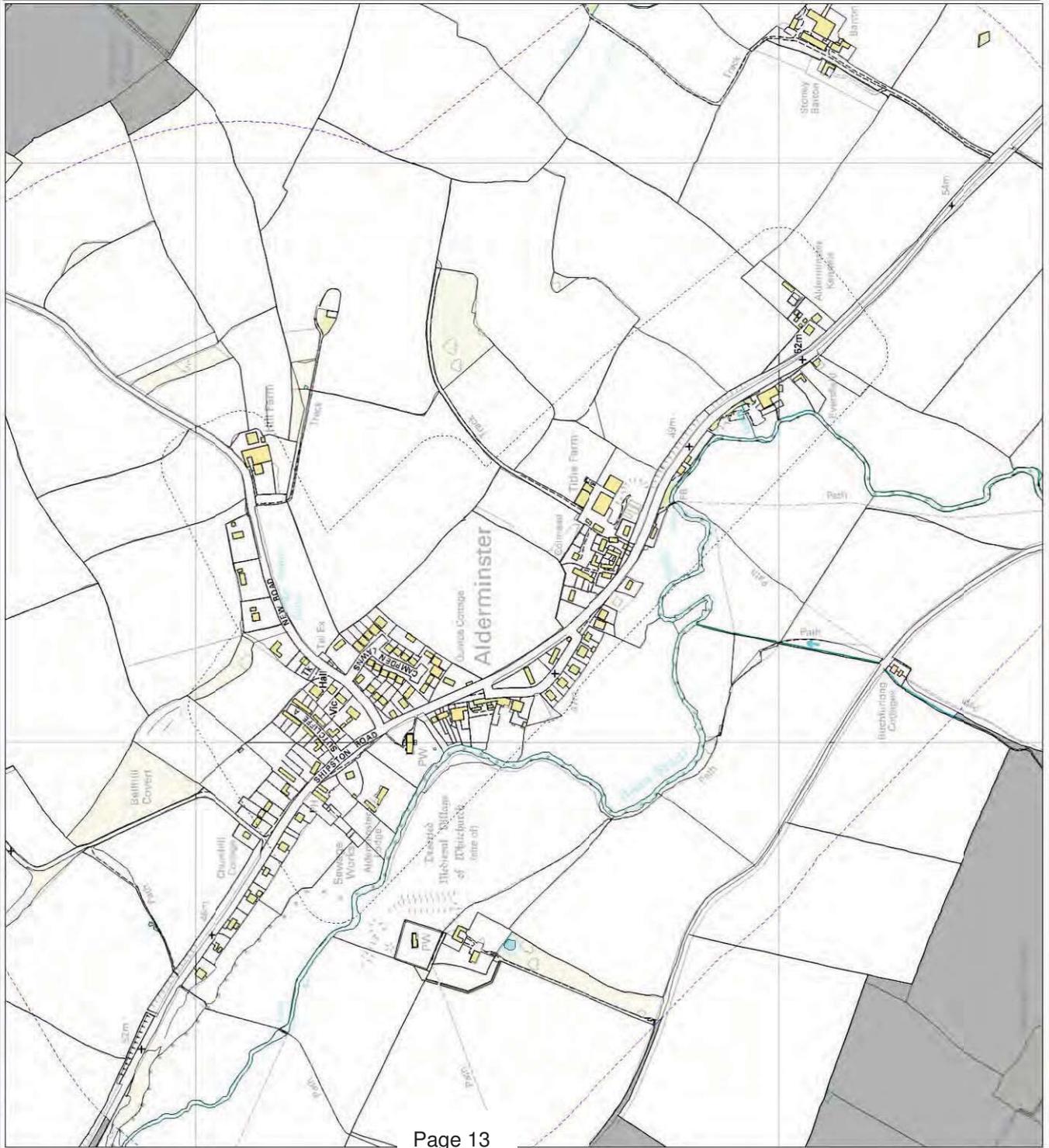


© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

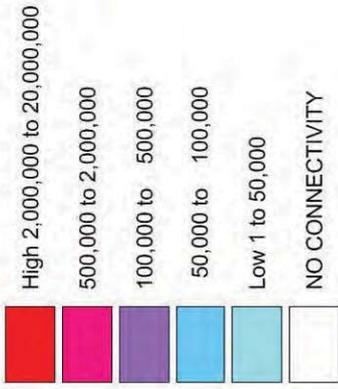
PRINTED 02/07/2012



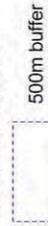
# ALDERMINSTER



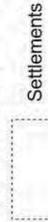
### Pond 1km Connectivity



### STUDY AREA



### OS DEVELOPED LAND USE AREA



© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

# ALDERMINSTER



**Woodland 1km Connectivity**

<span style="color: red;">■</span>	HIGH: 2,000,000 to 20,000,000
<span style="color: magenta;">■</span>	500,000 to 2,000,000
<span style="color: purple;">■</span>	100,000 to 500,000
<span style="color: blue;">■</span>	50,000 to 100,000
<span style="color: cyan;">■</span>	LOW: 1 to 50,000
<span style="color: grey;">■</span>	NO CONNECTIVITY 0 to 0

**STUDY AREA**  
 500m buffer

**OS DEVELOPED LAND USE AREA**  
 Settlements

© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any liability for any changes to land use or habitat that may have occurred since the survey was undertaken.

Stratford-on-Avon District Council

Ecological and Geological Study of Local Service Villages

Settlement Assessment: Alveston

Designated sites:

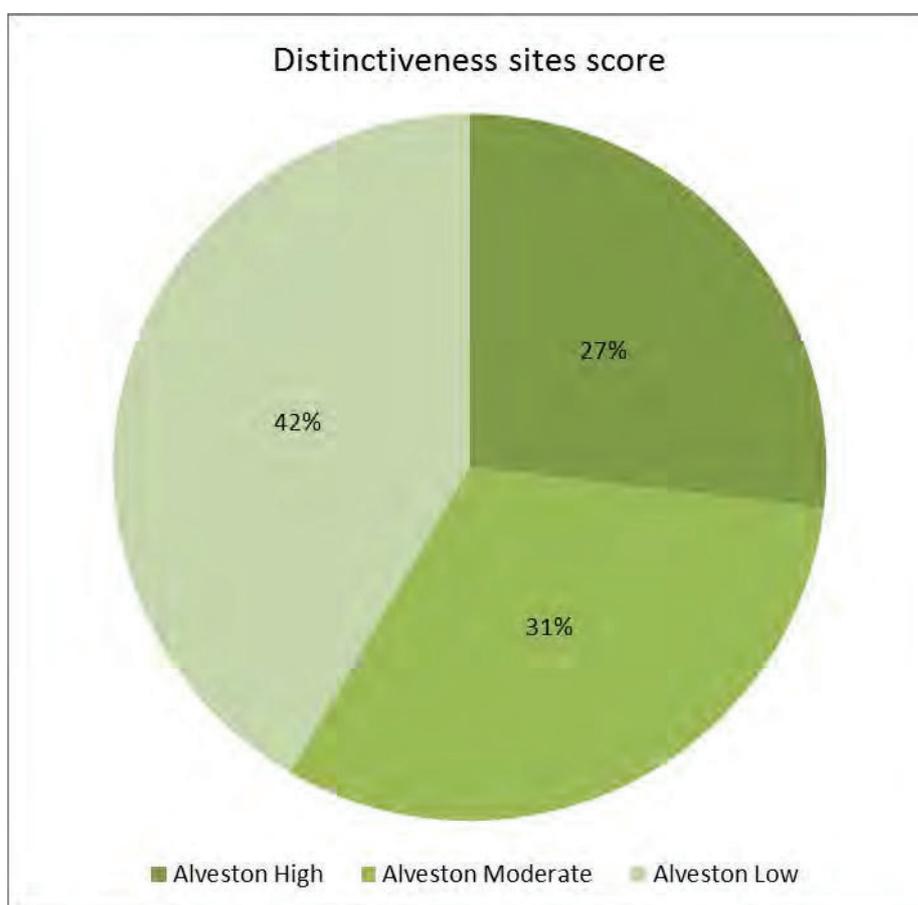
Status	Name	Area	Grid	Description
<b>LWS</b>				
	SP15Li8f River Avon bodies	352.12	SP2661	Water courses and water
<b>deferred</b>				
	SP25I2 Alveston Oldchurch Yard	3.95	SP2305	Woodland & scrub

Key Target Notes

None

Habitat Description

Most habitats of potential wildlife interest have been neglected. Grasslands are either amenity or poor semi-improved. The main habitats of note are along the River Avon itself.



<b>Distinctiveness: Phase 1 habitats</b>	<b>No. of sites</b>	<b>Area in hectares</b>	<b>Score</b>
<b>High</b>			
A111 Broad-leaved semi-natural woodland	4	1.00	12
A31 Broad-leaved parkland/scattered trees	1	0.04	3
A5 Orchard (commercial)	2	0.70	6
B22 Semi-improved neutral grassland	4	0.84	12
G1 Standing water	3	0.19	9
G2 Running water	3	11.61	9
<b>Sub Total</b>	<b>17</b>	<b>14.38</b>	<b>51</b>
<b>Moderate</b>			
A112 Broad-leaved plantation	18	4.59	36
B6 Semi-improved neutral grassland	9	14.57	18
J112 Allotments	3	2.49	6
<b>Sub Total</b>	<b>30</b>	<b>21.65</b>	<b>60</b>
<b>Low</b>			
A132 Mixed plantation	6	2.26	6
B4 Improved grassland	31	80.06	31
C31 Tall ruderal	5	1.03	10
J11 Arable	11	113.41	11
J12 Amenity grassland	25	10.92	50
J14 Introduced shrub	1	0.20	1
<b>Sub Total</b>	<b>79</b>	<b>207.87</b>	<b>109</b>
<b>Total</b>	<b>126</b>	<b>243.90</b>	<b>220</b>

### **Geological Description**

Alverstone is sited in an area of potential interest for Quaternary river terrace deposits and alluvium. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

### **Protected Species**

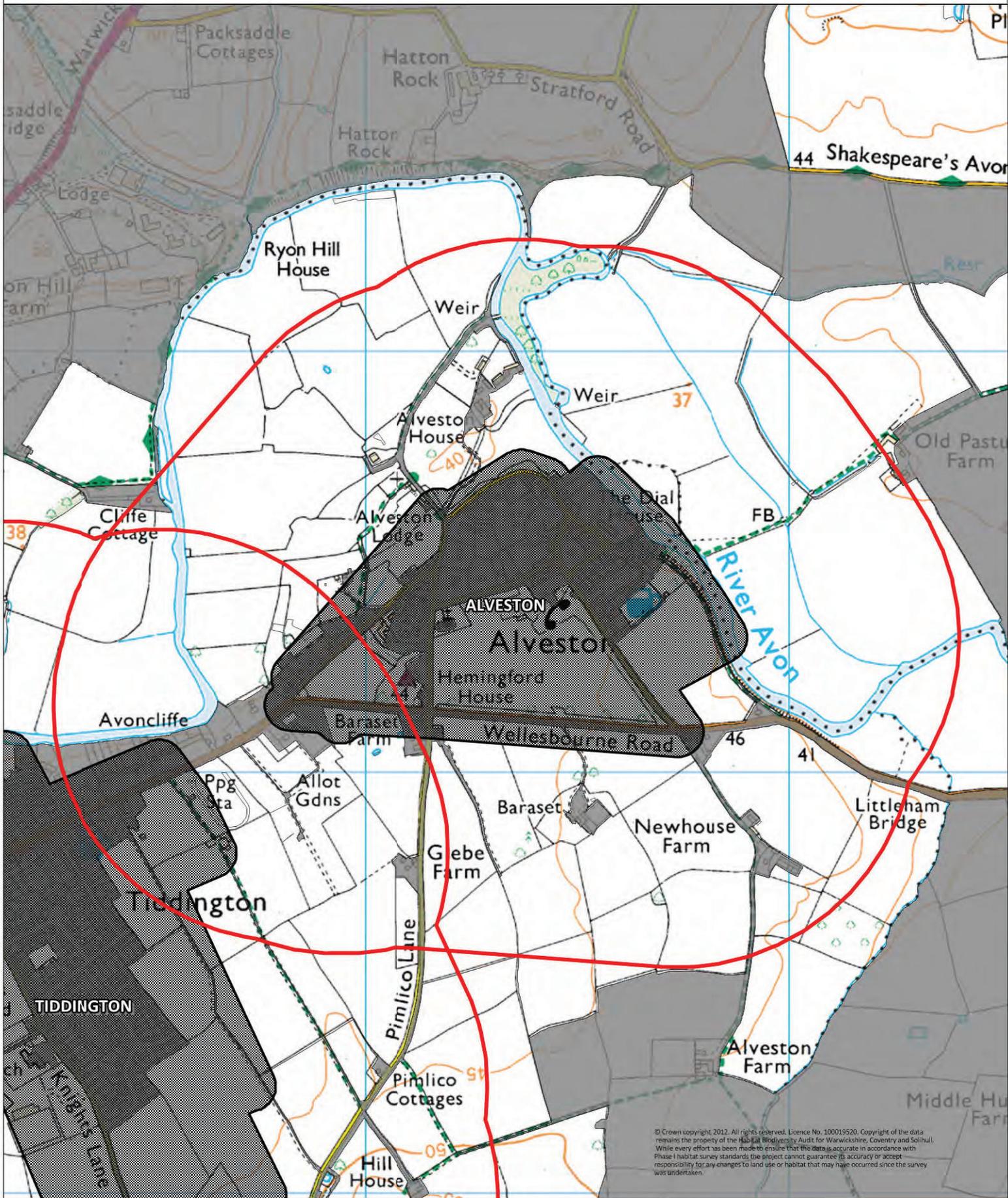
Grass snake, adder, common and soprano pipistrelles, brown hare and white-letter hairstreak butterfly have been recorded in the settlement area. In the wider area there are records of indeterminable and noctule bats, brown hare, otter and badger that could use habitats within the settlement area. There are additional records for rare plants including cat mint, bur chervil, stinking hellebore, common spike rush spp, small flowered sweet-briar.

### **Recommendations for Further Survey**

None



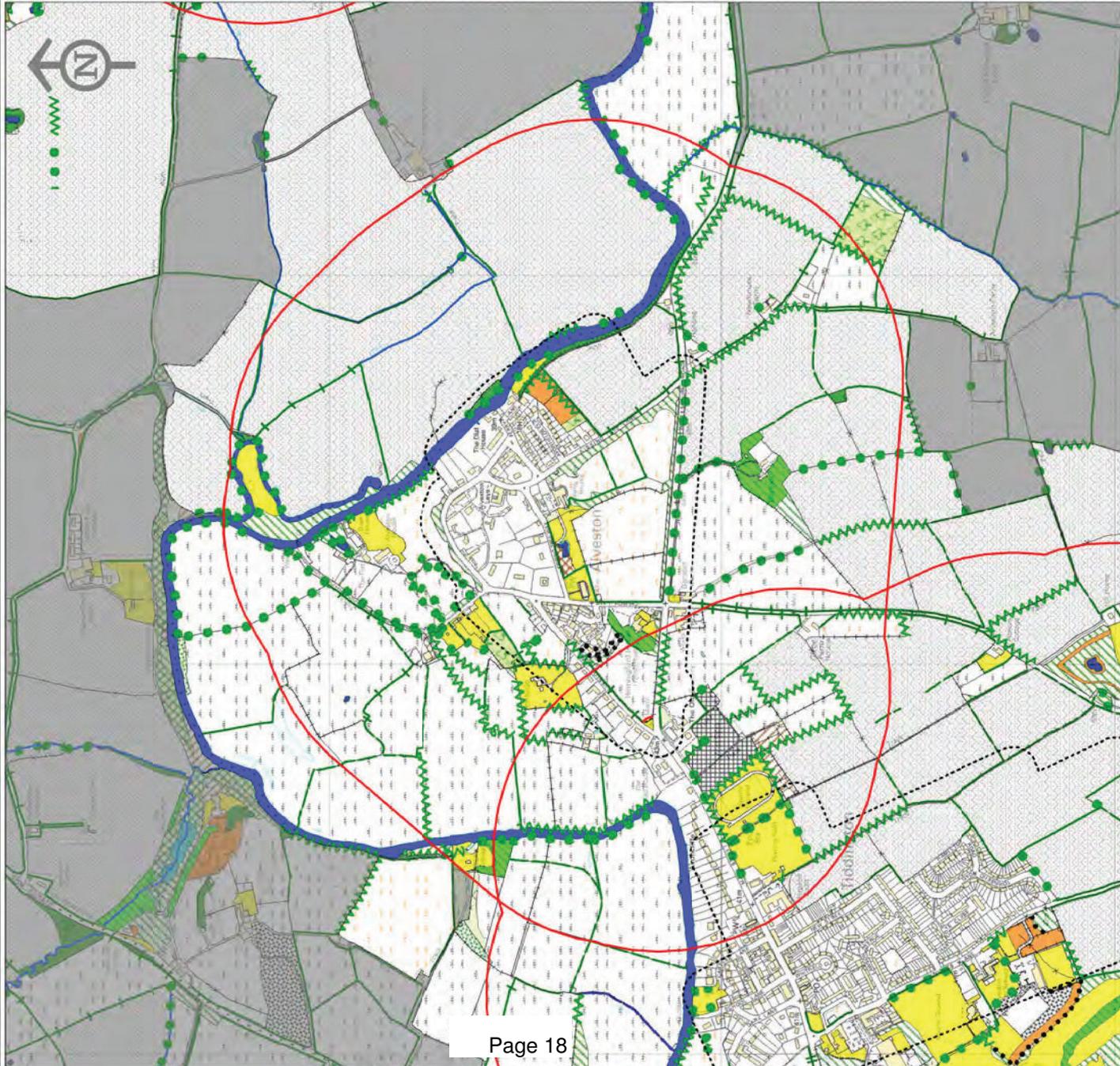
# ALVESTON



© Crown copyright 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards, the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

**2.9 SQKM**

	Settlements		500m Buffer
	Settlements		500m Buffer



PHASE 1 HABITAT SURVEY

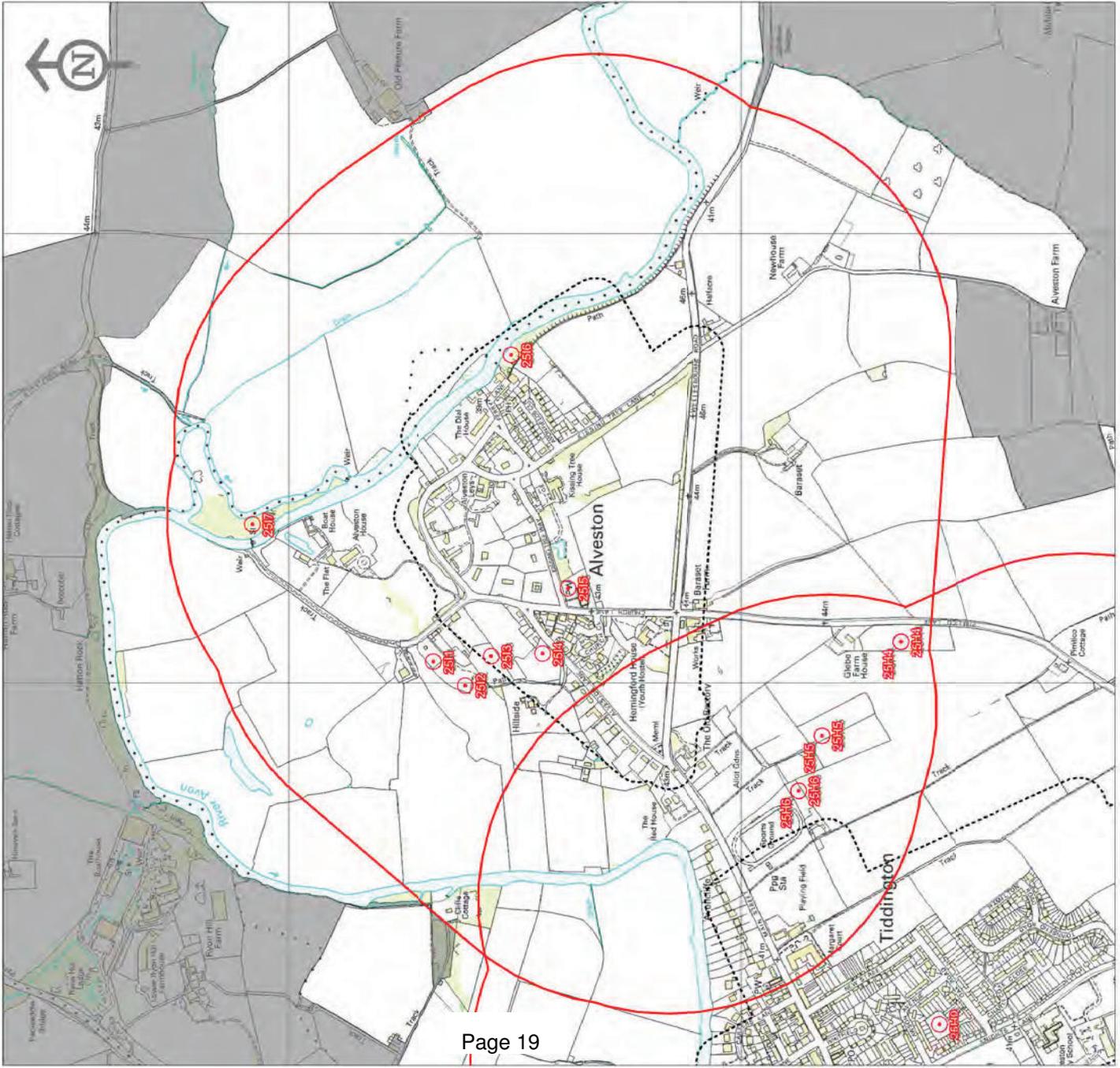
- Habitat Types
- |  |   |  |                                      |
|--|---|--|--------------------------------------|
|  | A111 (Broad-leaved semi-natural woodland)   |  | C32 (Non-ruderal)                    |
|  | A112 (Broad-leaved plantation)              |  | D5 (Dry heath/acid grassland mosaic) |
|  | A121 (Coniferous semi-natural woodland)     |  | E11 (Sphagnum Bog)                   |
|  | A122 (Coniferous plantation)                |  | E21 (Acid/neutral flush)             |
|  | A131 (Mixed semi-natural woodland)          |  | E31 (Vale/ry 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 (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 (Defunct Hedge)                     |  |   |

- STUDY AREA
- |  |                            |
|--|----------------------------|
|  | 500m buffer                |
|  | OS DEVELOPED LAND USE AREA |
|  | Settlements                |

© Crown copyright, 2012. All rights reserved. Licence No. 100019202. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

# ALVESTON



**TARGET NOTES**  
 Point

**OS DEVELOPED LAND USE AREA**  
 Settlements

**STUDY AREA**  
 500m buffer

© Crown copyright, 2012. All rights reserved. License No. 100019202. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with British habitat survey standards the project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

### Alveston

- sp25h4 Fenced area of semi-improved grassland with frequent *Arrhenatherum elatius*; *Dactylis glomerata*; *Holcus lanatus* and *Poa trivialis* and occasional *Agrostis stolonifera* and *Festuca rubra*. Forbs are limited to frequent ribwort plantain; creeping cinquefoil; yarrow and occasional mallow; broad-leaved dock and field bindweed. Visited on 16/9/9 by MF. Include following forbs: common mouse-ear, curved dock, common nettle, meadow crane's-bill, creeping thistle, common sorrel, common mallow, daisy, creeping buttercup, bulbous buttercup. UPDATED 20/05/2012 MF. Grassland remains as described. Dominant grass is meadow foxtail. Forbs appear to be less diverse than previously recorded but unable to access, viewed from roadside.
- sp25h5 Area of semi-improved grassland with frequent *Arrhenatherum elatius*; *Dactylis glomerata*; *Holcus lanatus* and *Poa trivialis* and occasional *Agrostis stolonifera* and *Festuca rubra*. Forbs are limited to frequent ribwort plantain; creeping cinquefoil; yarrow and occasional mallow; broad-leaved dock and field bindweed. UPDATED 21/05/2012 MF. No access- private land. Meadows in this area are horse grazed and have characteristics of improved grassland with nettle patches. However there are occasional Meadow Buttercup and Common Vetch.
- sp25h6 Neglected area to the rear of a dilapidated farm building. Contains a mosaic of dense bramble; nettle and *Dactylis glomerata* dominated grassland. Area includes a very extensive and active badger sett. Visited on 16/09/09 by MF. Poor semi-improved grassland, neglected meadow. A footpath runs through it to a new sports ground. Forbs present include red clover, curled dock, mugwort, autumn hawkbit, cat's-ear, ribwort plantain, scentless mayweed, creeping thistle. UPDATED 21/05/2012 MF. Area now used to store rubble and wood. Ground is disturbed and tall ruderal vegetation dominates. Occasional white campion, meadow foxtail and red fescue.
- sp25i1 Graveyard. Mown for the most part but with an area of uncut semi-improved grassland dominated by *Arrhenatherum elatius*; *Dactylis glomerata* and *Holcus lanatus* with occasional *Poa trivialis* and *Festuca rubra*. Forbs include field bindweed and occasional meadow vetchling; nettle and creeping thistle. UPDATED 20/05/2012 MF. Graveyard now regularly mown with no forbs of note.
- sp25i2 Area of apparently unmanaged rank grassland dominated by *Arrhenatherum elatius* with frequent *Dactylis glomerata* and *Holcus lanatus* and occasional *Poa trivialis* and *Festuca rubra*. There is frequent field bindweed; sorrel; yarrow and occasional meadow buttercup as well as scattered creeping thistle and nettle from SINC survey:
- sp25i3 Old orchard with few apple trees left and recently planted cherry and hazel over *Arrhenatherum elatius* dominated grassland with nettle. UPDATED 20/05/2012 MF. Remains an orchard. Hazel not found. There is occasional scrub elder, ash, beech, holly and elm surrounding the orchard. Forbs include green alkanet, common nettle, dock and cow parsley.
- sp25i4 Poor horse grazed pasture with areas of nettle; broad-leaved dock and creeping thistle. UPDATED 20/05/2012 MF. Rank grassland dominated by timothy and meadow foxtail with meadow buttercup.
- sp25i5 Churchyard. Mostly amenity with a few small areas left uncut with scattered holly; beech and conifers. The grasses are dominated by *Arrhenatherum elatius* with *Poa* spp and *Dactylis glomerata* with occasional *Festuca rubra*. Forbs in the mown areas include frequent autumn hawkbit; daisy; white clover; *Rhytidiadelphus squarrosus* and occasional cat's ear; ox-eye daisy; germander speedwell; primrose and self heal. In the uncut sections black bedstraw; cow parsley; *Equisetum arvense* and creeping cinquefoil can be found. UPDATED 20/05/2012 MF. Churchyard remains as described with additional species of yarrow, green alkanet and rowan.

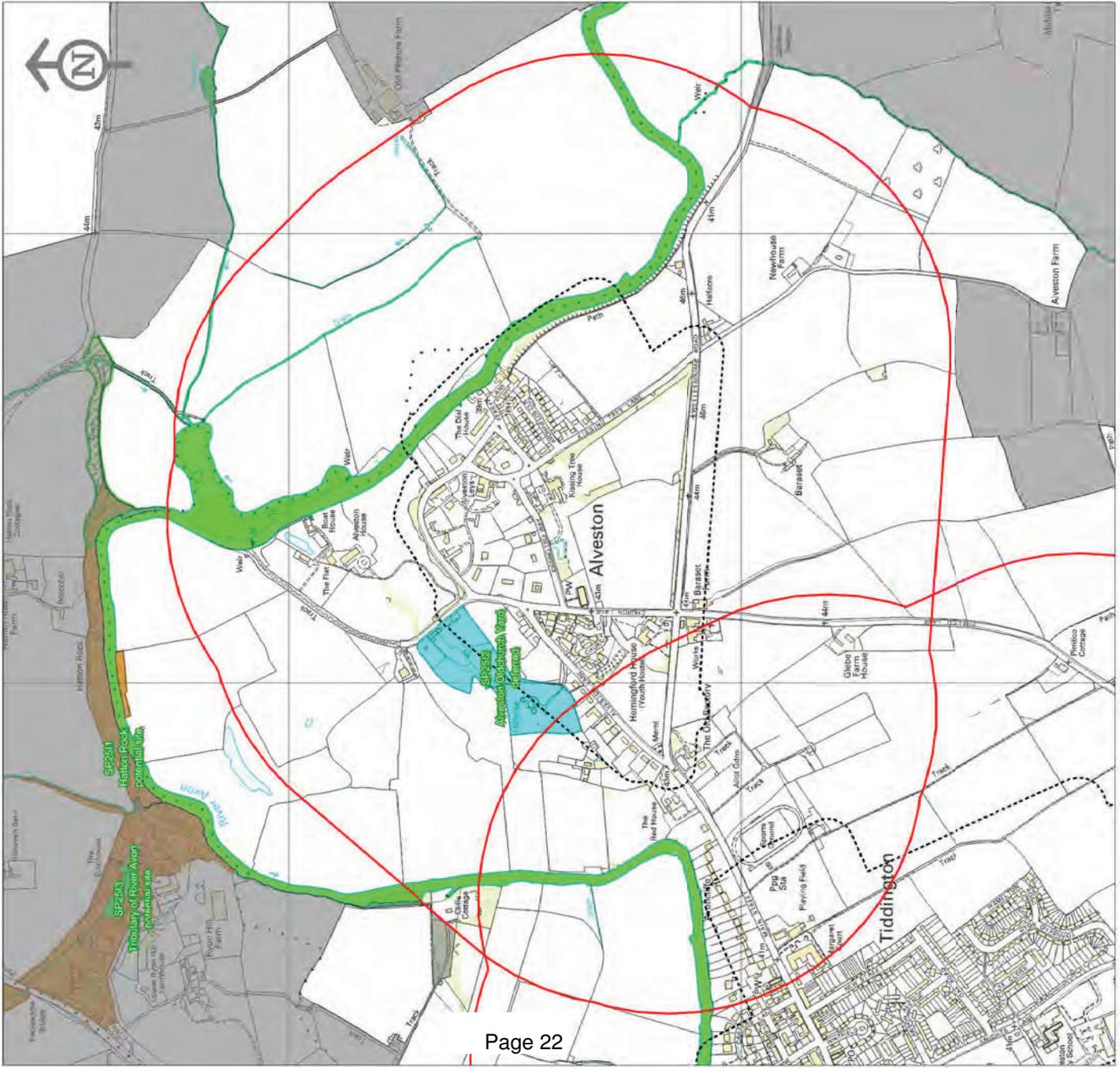


## Target Notes

- sp25i6 A strip of nettles and hemlock alongside the River Avon bordered on the other side by beech; sycamore and willow with occasional elder. UPDATED 20/05/2012 MF. Area known as Swiffen Bank- private land with restricted access. Now regularly mown for fishing. The woodland along the bank of the River Avon contains ash, holly, hawthorn, crack willow, elm, sycamore, elder, oak and yew. The bank is very steep and dominated by ivy, cleavers, nettle, garlic mustard and occasional speedwell.
- sp25i7 An island between the River Avon and a side channel (Alveston sluice) cover by mature beech plantation with occasional sycamore and ash. There is little to no understorey or ground flora. UPDATED 20/05/2012 MF. Plantation remains as described with additional species of horse chestnut and ash. Sycamore appears to be dominant. The ground flora is dominated by grasses with occasional cow parsley. Heron seen.



# ALVESTON



## SITES OF SPECIAL SCIENTIFIC INTEREST



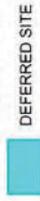
SSSI

## ANCIENT WOODLAND



Ancient Woodland

## LOCAL WILDLIFE SITES



DEFERRED SITE



LOCAL WILDLIFE SITE



POTENTIAL LOCAL WILDLIFE SITE

## LOCAL NATURE RESERVE



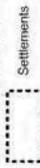
LNR

## WARWICKSHIRE WILDLIFE TRUST RESERVES



WWT Reserve

## OS DEVELOPED LAND USE AREA



Settlements

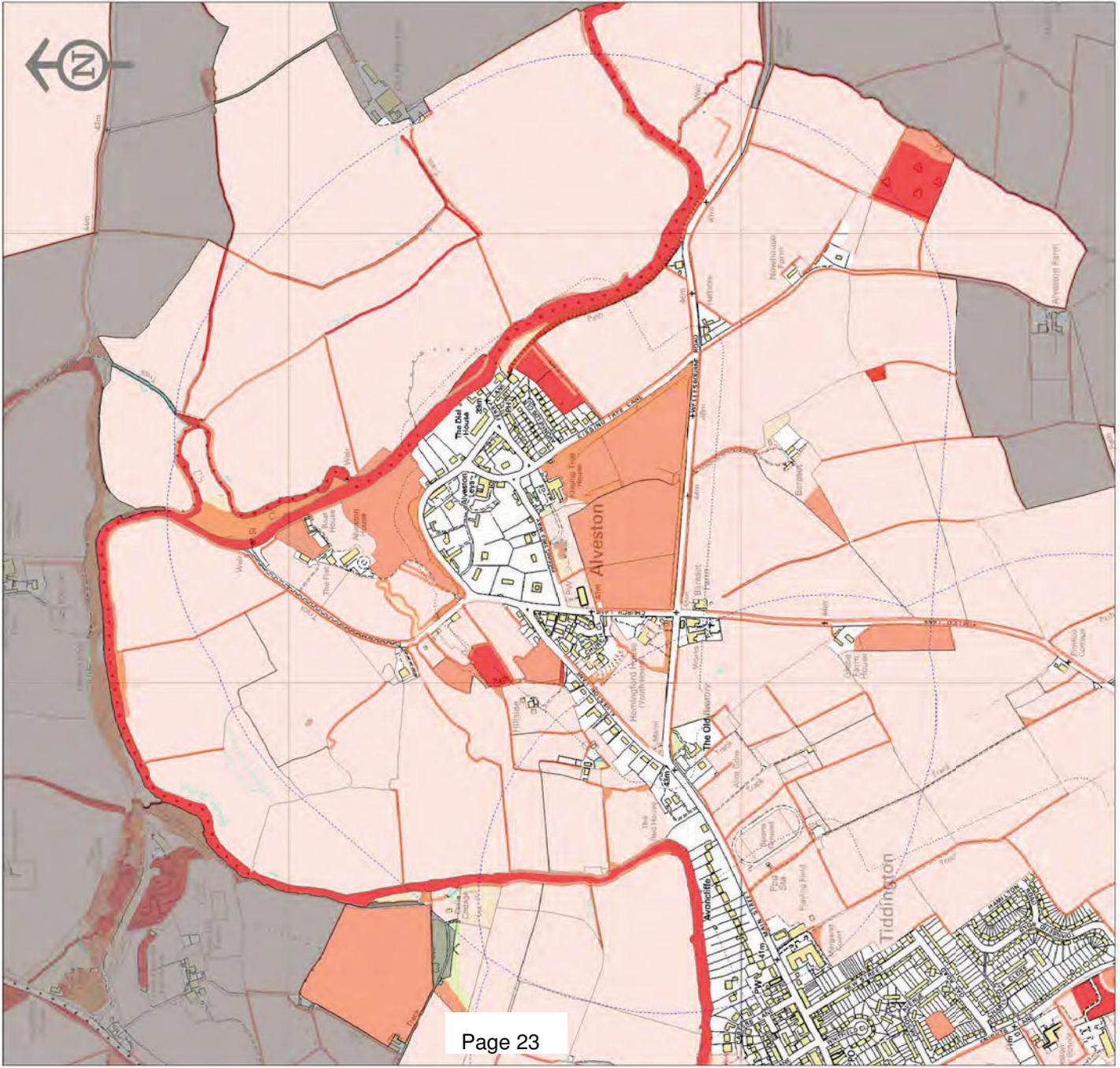
## STUDY AREA



500m buffer

© Crown copyright, 2012. All rights reserved. Licence No. 100019230. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with the Ordnance Survey standards the project cannot guarantee its accuracy or accept any responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

# ALVESTON



### Settlement Distinctiveness

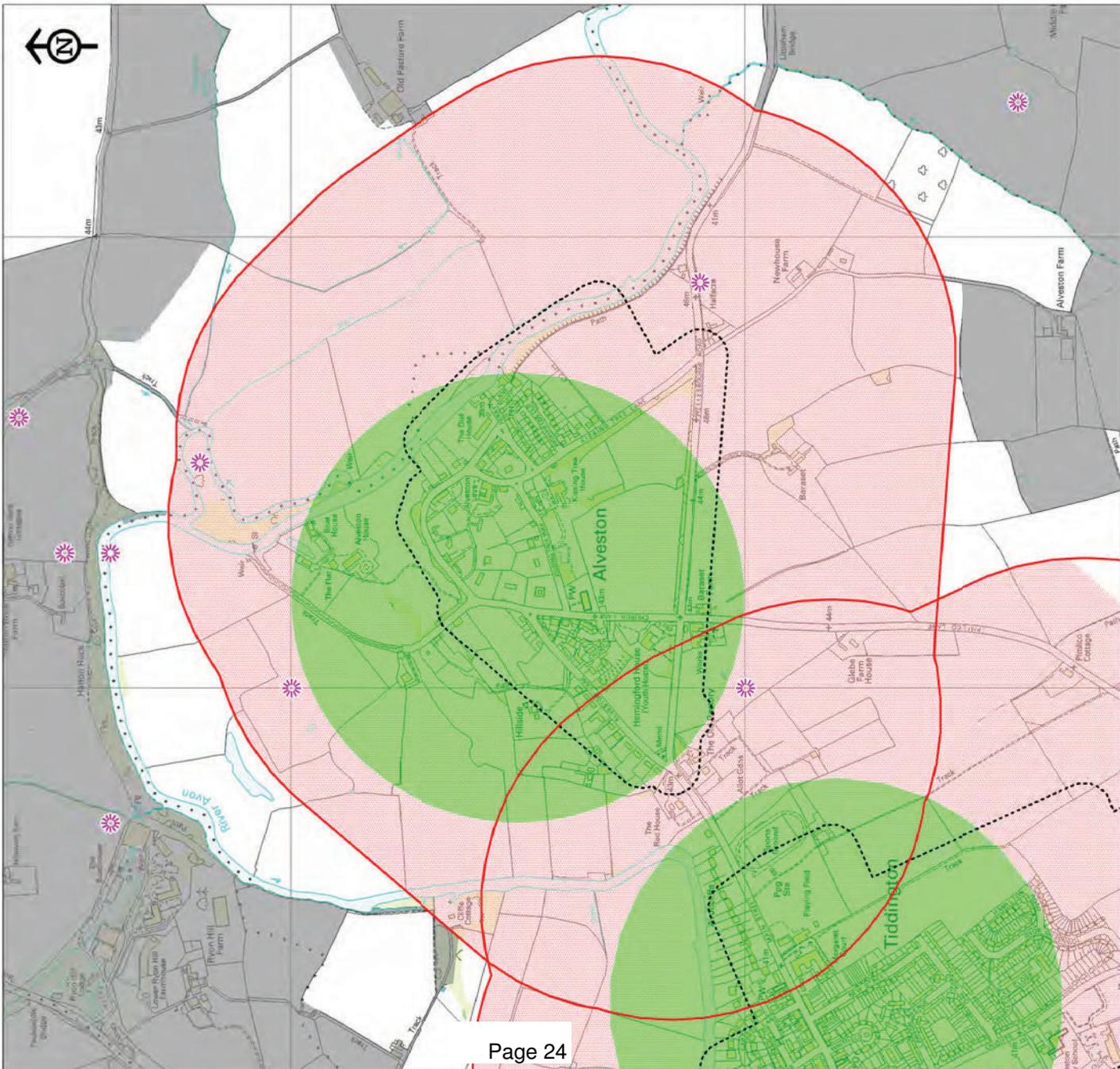
- 3: HIGH
- 2: MODERATE
- 1: LOW

### OS DEVELOPED LAND USE AREA

- STUDY AREA
- 500m buffer
- Settlements

© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with PACE Habitat survey standards the project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

# ALVESTON



## 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

STUDY AREA

500m buffer

OS DEVELOPED LAND USE AREA

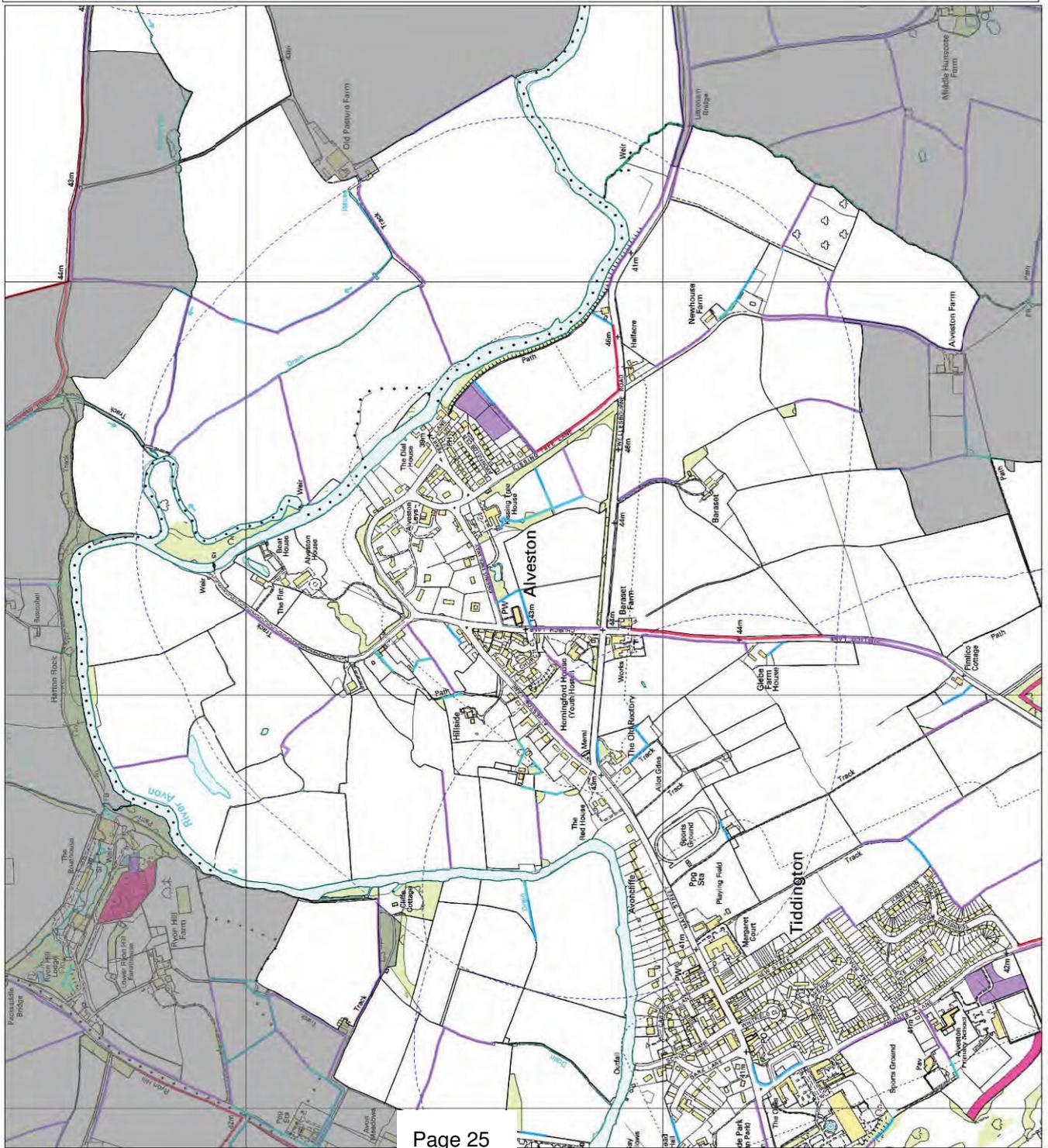
Settlements

Warwickshire Biological Records Centre



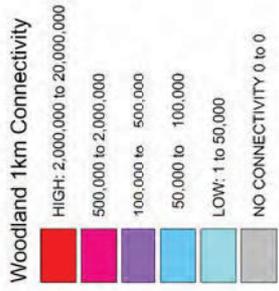
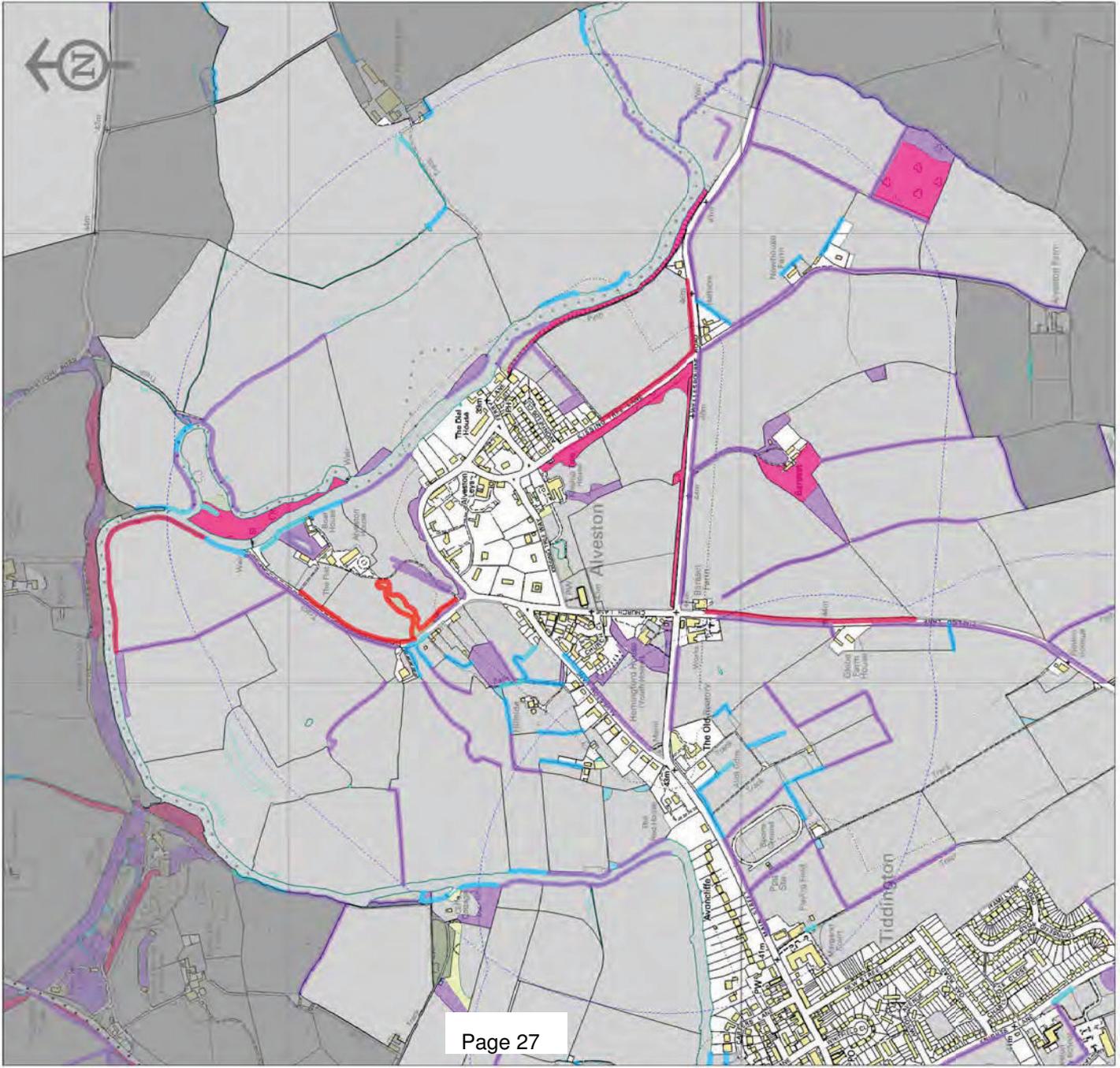


# ALVESTON





# ALVESTON



© Crown copyright, 2012. All rights reserved. License No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with PINS2 habitat survey standards the project cannot guarantee its accuracy or accept any responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

## Stratford-on-Avon District Council

## Ecological and Geological Study of Local Service Villages

## Settlement Assessment: Bearley

## Designated sites:

Status	Area	Grid	Description
<b>SSSI</b>			
Snitterfield and Bearley Bushes	334.9	SP2060	Ancient & Semi-natural woodland
<b>LWS potential site</b>			
SP16V6 Woodland Strip Near Edstone	2.20	SP1826	Woodland & scrub
SP16Q2 Bearley Sidings	2.24	SP1716	Semi-natural grasslands & marsh
SP16Q3 Meadow site	5.18	SP1786	Semi-natural grasslands & marsh

## Key Target Notes

- SP16v21-23 Snitterfield and Bearley Bushes SSSI ancient woodland
- SP16v24 Mill Hill Plantation
- SP16v32 Cow Bower Wood
- SP16q8 Mosaic site – semi-improved grassland and scrub

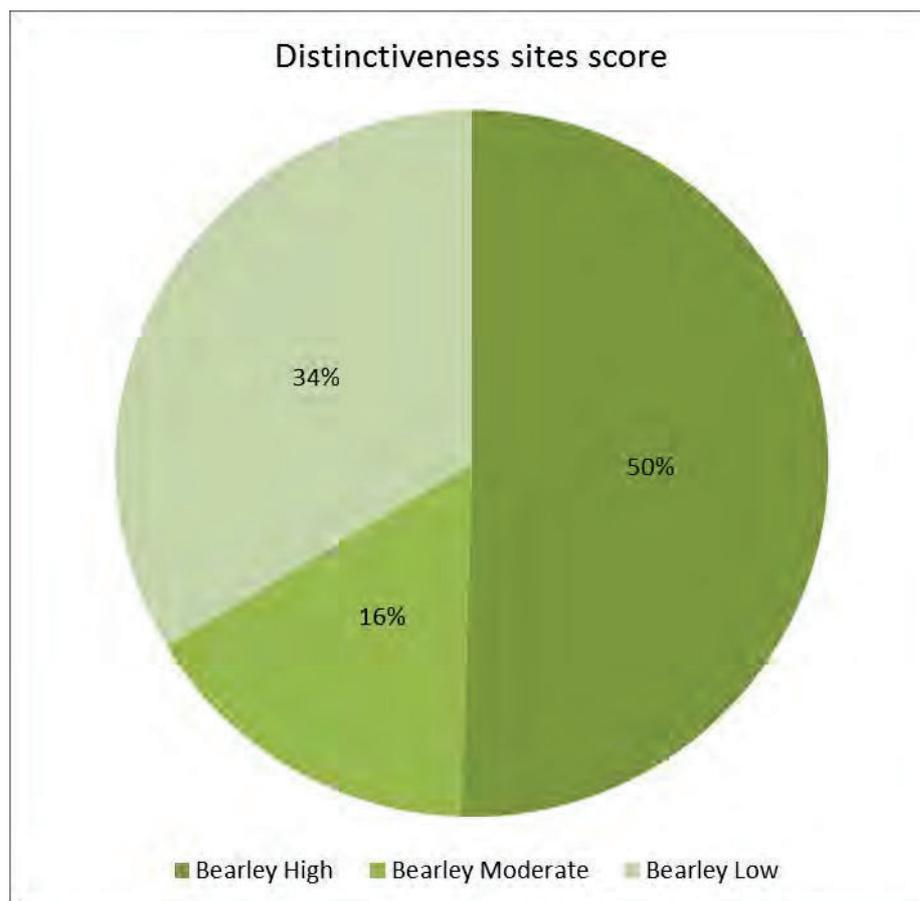
## Habitat Description

The Snitterfield and Bearley Bushes and the Mill Hill Plantation are the sites which stand out in the distinctiveness scoring as important areas of woodland. These woodlands are the focus for the connectivity for the area with linkages along hedgerows and linear trees.

There are also important areas of semi-improved grassland and scrub identified as potential local wildlife sites.

Distinctiveness: Phase 1 habitats	No. of sites	Area in hectares	Score
<b>High</b>			
A111 Broad-leaved semi-natural woodland	21	28.67	63
A31 Broad-leaved parkland/scattered trees	2	0.70	6
A5 Orchard (commercial)	1	1.07	3
B22 Semi-improved neutral grassland	6	4.08	18

G1 Standing water	6	0.23	18
<b>Sub Total</b>	<b>36</b>	<b>34.76</b>	<b>108</b>
<b>Moderate</b>			
A112 Broad-leaved plantation	6	1.77	12
A21 Dense/continuous scrub	5	3.07	10
B6 Semi-improved neutral grassland	6	2.71	12
Sub Total	17	7.54	34
<b>Low</b>			
B4 Improved grassland	33	62.58	33
C31 Tall ruderal	3	0.24	6
J11 Arable	16	192.01	16
J12 Amenity grassland	19	8.62	38
J4 Bare ground	1	0.23	1
<b>Sub Total</b>	<b>72</b>	<b>263.66</b>	<b>94</b>
<b>Totals</b>	<b>125</b>	<b>305.96</b>	<b>236</b>



## **Geological Description**

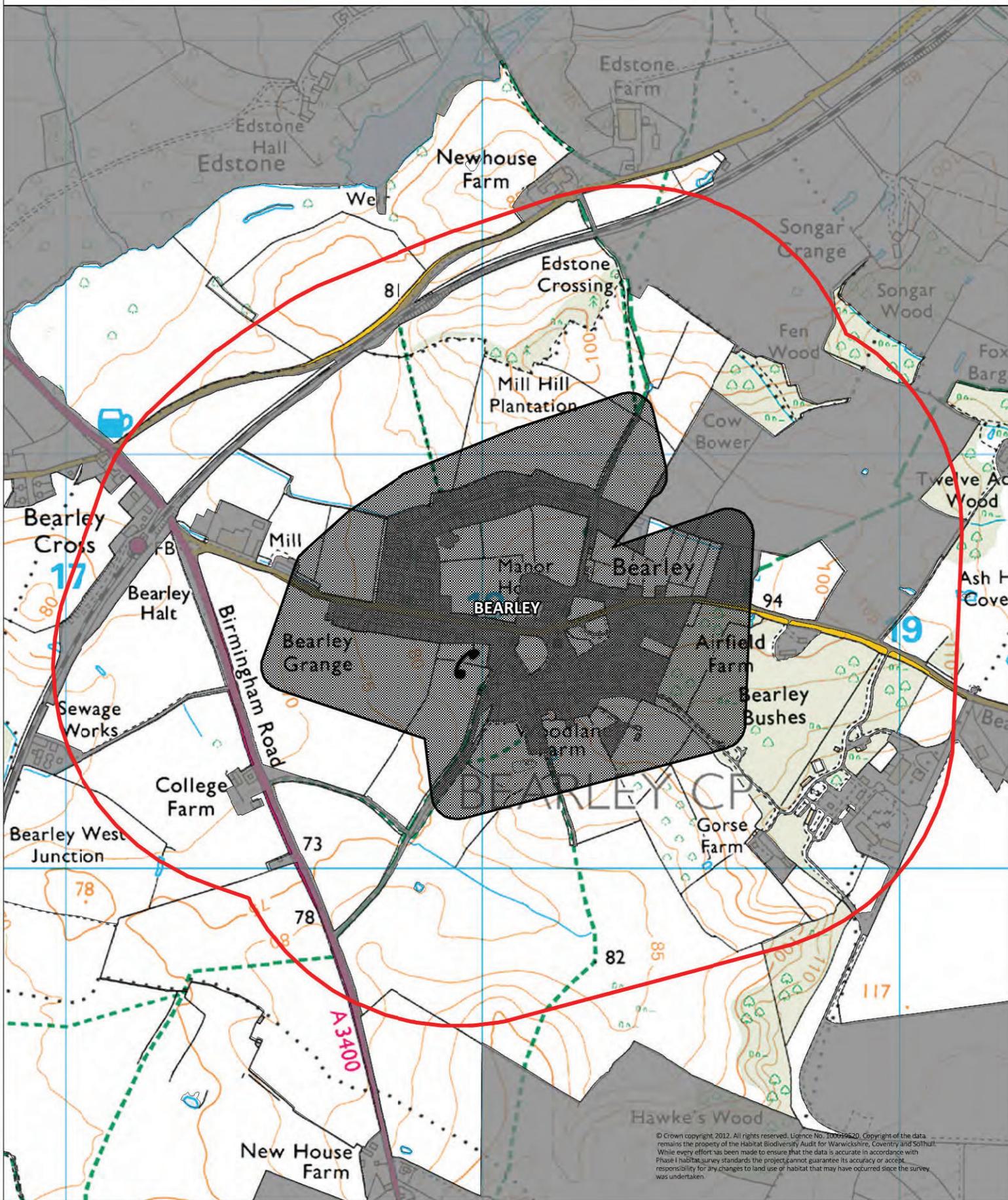
Bearley is sited in an area of potential interest for Quaternary deposits and the underlying Triassic (Mercia Mudstone) bedrock. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

## **Protected Species**

Common and soprano pipistrelle, brown long-eared and indeterminable bats have been recorded within the settlement area together with a veteran oak. In the wider area there are records of lesser horseshoe bat, grass snake and badger plus the butterfly species of white admiral, small heath, grizzled skipper, white letter hairstreak and great crested newt that could use habitats within the settlement area. There are additional records for rare plants including small cudweed, common cudweed and field garlic in the wider surrounding area.

## **Recommendations for Further Survey**

None



© Crown copyright 2012. All rights reserved. Licence No. 100019620. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards, the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

**3.3 SQKM**

Settlements



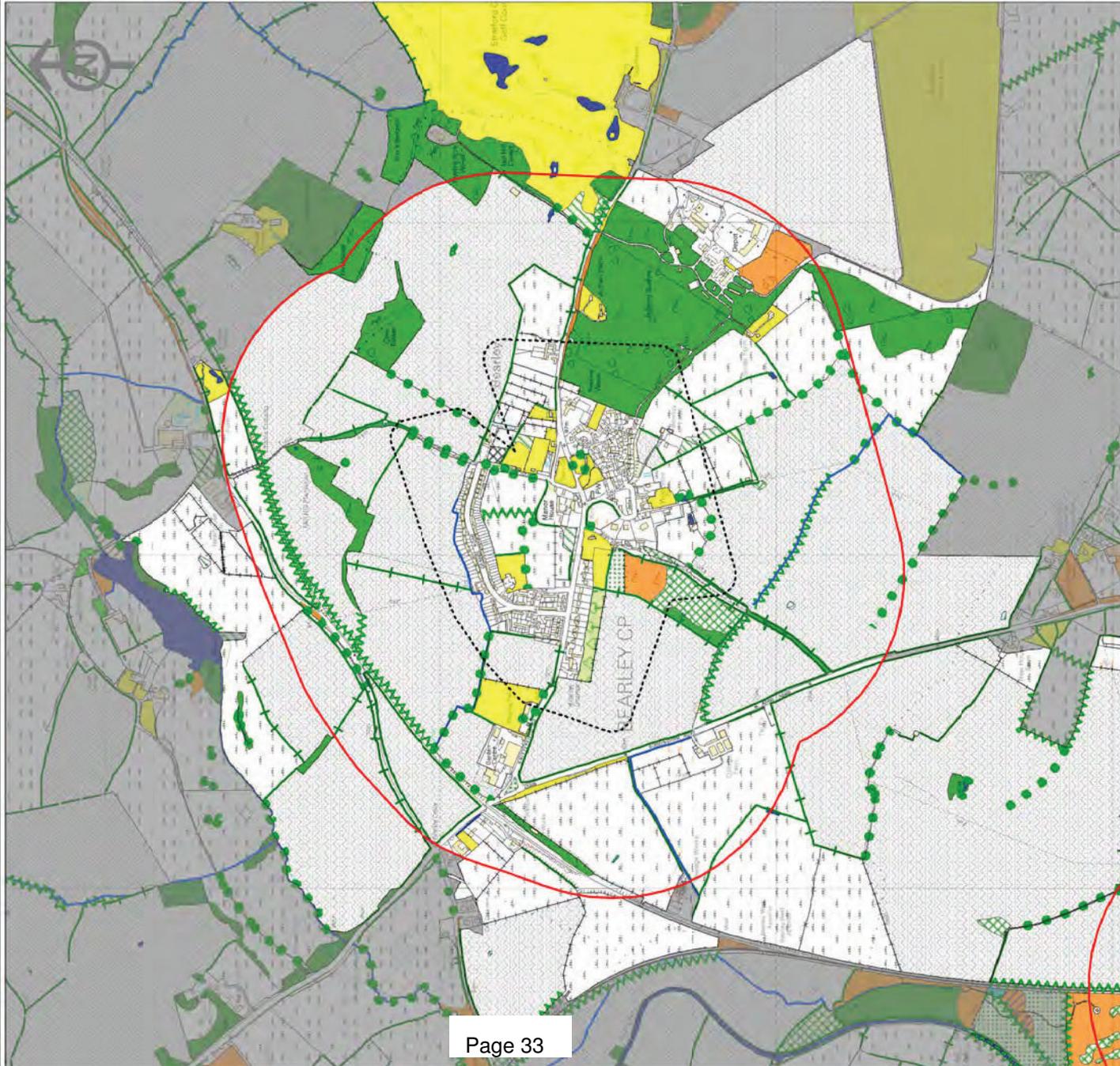
Settlements

500m Buffer



500m Buffer

# BEARLEY



## 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 (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 (Defunct Hedge)		

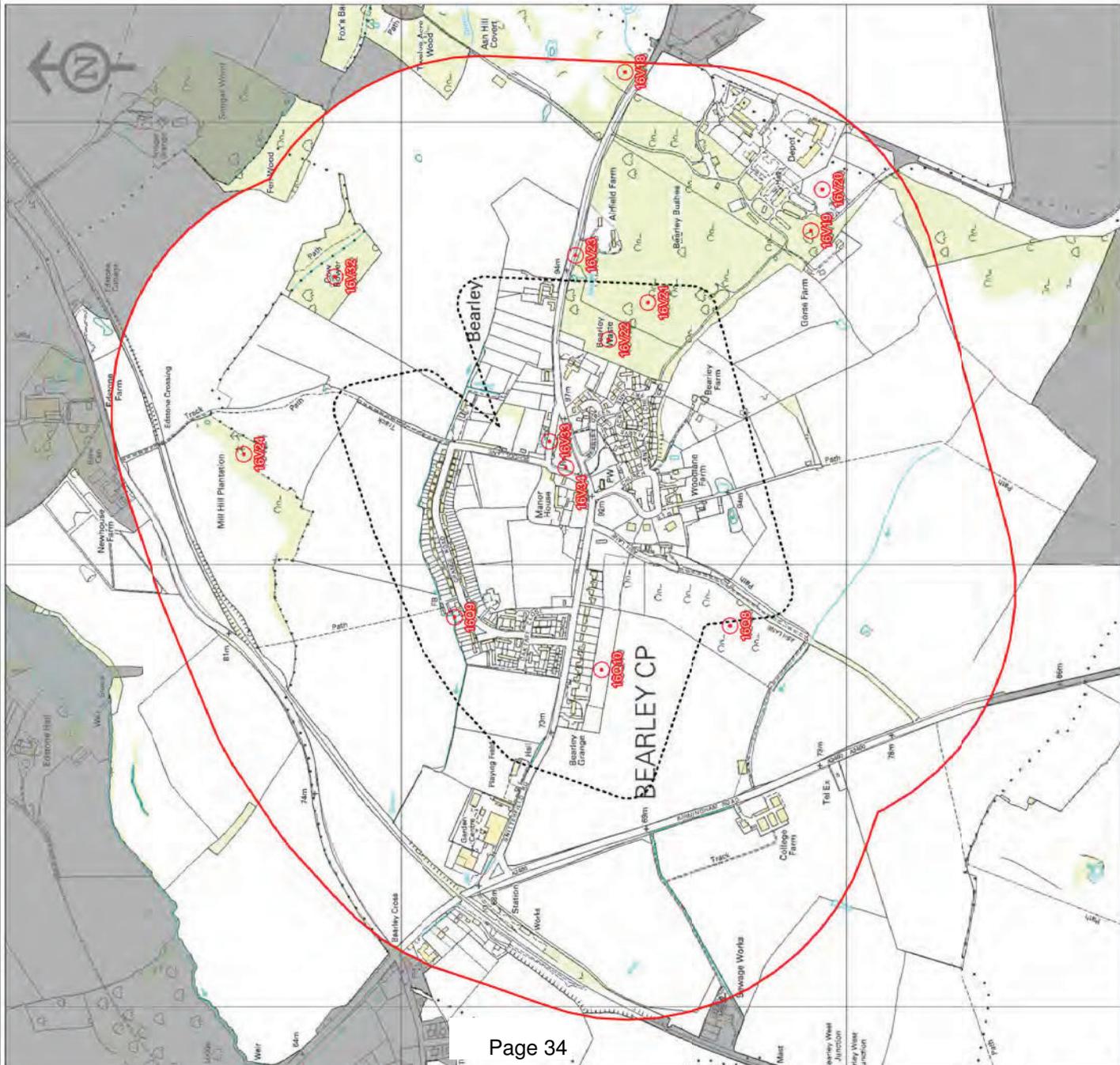
STUDY AREA

	500m buffer
	Settlements

OS DEVELOPED LAND USE AREA

© Crown copyright, 2012. All rights reserved. Licence No. 1000192020. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

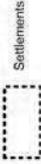
# BEARLEY



## TARGET NOTES



## OS DEVELOPED LAND USE AREA



## STUDY AREA



500m buffer

## Bearley

SP16Q10	BEARLEY VINEYARD. Three acre vineyard planted in 2005.
sp16q8	The south end of this field has scattered Hawthorn and Blackthorn scrub of a young age. It has <i>Alopecurus pratensis</i> , <i>Cynosurus cristatus</i> , <i>Phleum pratense</i> , <i>Holcus lanatus</i> , and <i>Arrhenatherum elatius</i> . A mosaic of bush vetch, smooth tare, meadow vetchling, common ragwort, field forget-me-not, Cut-leaved Cranesbill, common centaury, common birds foot trefoil, Rosebay Willowherb, and common sorrel, completed the flora. UPDATED 21/03/2012 by OP. Northern section contains semi-improved grassland with encroaching bramble scrub. To the south, the scrub is very dense and contains young ash woodland. Ground is damp and mostly to the south, but little ground flora.
SP16Q9	Small piece of rough grassland in the corner of an arable field and beside a stream. Contains abundant primrose, common vetch, lesser celandine.
sp16v18	Small oak and ash woodland with some silver birch. Coppicing has taken place in the past. There is a tall understorey of hazel and hawthorn coppice with honeysuckle. The ground flora contains abundant bluebells; but is otherwise quite bare with fallen dead wood. Bramble is locally frequent and other species present include <i>Dryopteris filix-mas</i> ; ivy; privet; wood avens; cuckoo pint; Enchanter's Nightshade; Woodruff and Primrose.
sp16v19	Mature oak and ash woodland with a fairly dense understorey of hazel; hawthorn; field maple; elm and honeysuckle. Nettles; bramble and rose are dense; as are bluebells. Other ground flora species include enchanter's nightshade; red campion; ground ivy; herb robert and rare perforate St John's-wort.
sp16v20	Unable to gain access to this unmown meadow. It appears to be dominated by grasses - <i>Phleum pratense</i> and a patch of <i>Deschampsia caespitosa</i> are visible. There is abundant creeping thistle and occasional marsh thistle; buttercup sp. and white clover. Many butterflies were present including comma; ringlet; red admiral; small tortoiseshell and several small skippers.
sp16v21	Mature oak woodland with some ash. The dense understorey makes access difficult and contains holly; hazel; hawthorn and honeysuckle. There is much bramble and regeneration of tree and shrub species. <i>Dryopteris filix-mas</i> ; privet and enchanter's nightshade are occasional; while woodruff and greater bird's-foot-trefoil are rare at the edge. UPDATED 26/03/2012 by OP. Bearley bushes- ancient woodland and part of snitterfield and bearley bushes SSSI. At time of visit (late March), the canopy was open and the ground flora was in bloom. Lesser celandine, primrose, and bluebells in abundance. Other species recorded include wood spruce, ramsons, wood ruff, wood anemone, honeysuckle and bramble.
sp16v22	Mature oak woodland with some ash. Sycamore and a single yew are present in the north-west corner; as are ramsons. The understorey is locally dense and contains holly; hawthorn; field maple; honeysuckle and rare privet and dogwood. The ground flora contains abundant bluebells and locally dense bramble. <i>Dryopteris filix-mas</i> is occasional and also present are enchanter's nightshade; red campion and woodruff. Damper areas contains yellow pimpernel. Open areas contain much dead wood; some of which supports sulphur tuft fungus. The area appears to be ridge and furrow. There is much dumping of rubbish; especially in the north-west.
sp16v23	Road verge with ditch. Meadow sweet is abundant; while great willowherb is frequent. Nettle; figwort; red campion and creeping thistle are occasional.



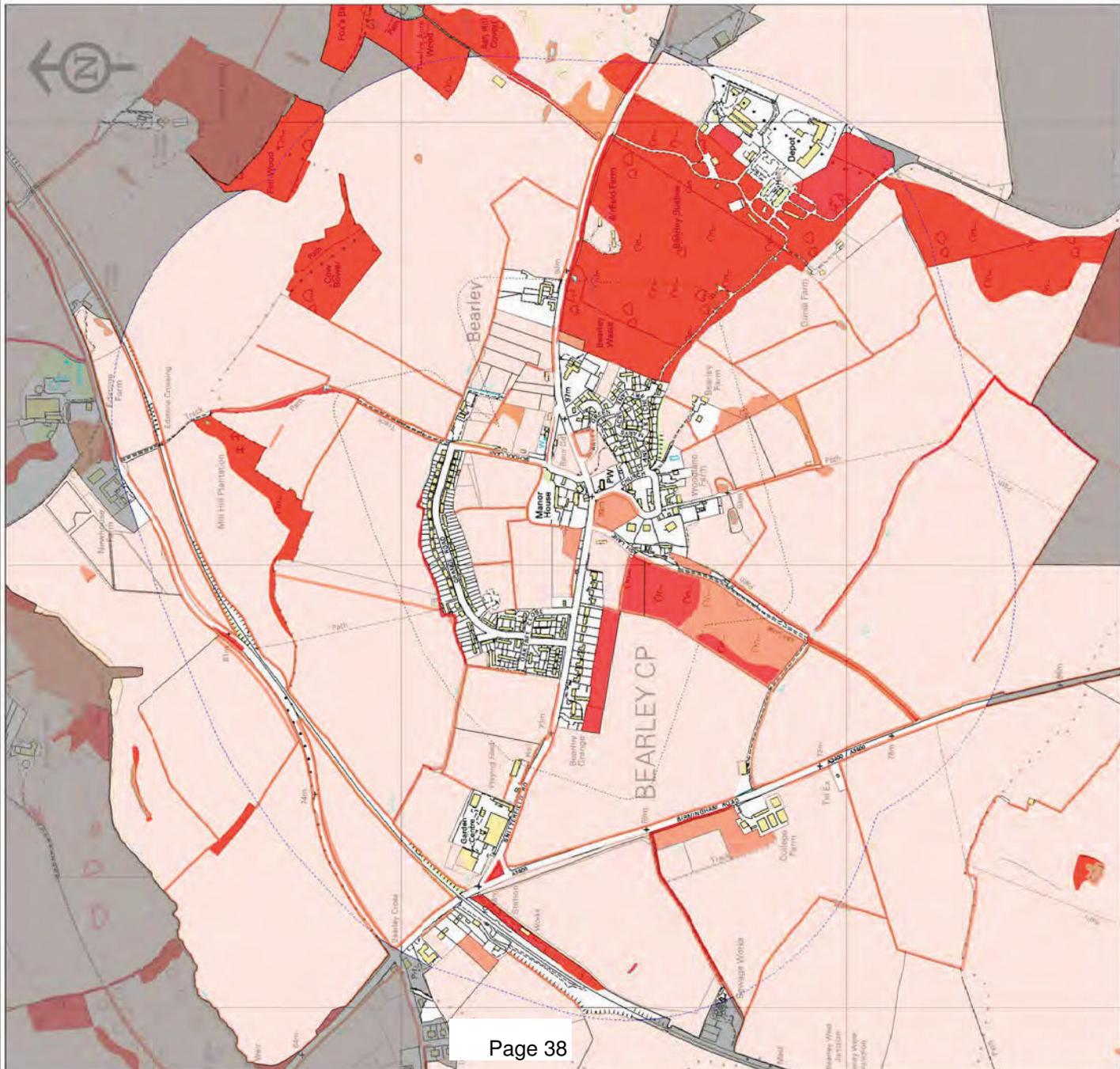
## Target Notes

sp16v24	Woodland of mature ash; with oak and rarely Scots pine. The understorey is generally quite tall and contains hawthorn; blackthorn; field maple; elder; elm; rose and hazel; some of which has been coppiced in the past. Beneath this is dense bramble; with occasional hogweed; red campion; upright hedge parsley; wood avens; herb robert and cleavers. Grasses are abundant in more open areas and include <i>Bromus ramosus</i> ; <i>Dactylis glomerata</i> and <i>Melica uniflora</i> . Ivy covers the ground where the understorey is densest. UPDATED 26/03/2012 by OP. Mill hill plantation. Semi-mature broadleaved woodland. Open canopy at time of visit, with abundant primrose, lesser celadine, bluebell, cleavers, common dog violet, lords and ladies. No dense bramble present.
sp16v32	Cow Bower Wood: access denied. No information is available.
SP16V33	Species rich semi-improved grassland verge, with ground ivy, primrose, lesser celandine, lords and ladies, common nettle, red dead nettle, and common dog violet on both sides of the road.
SP16V34	Veteran Oak. Approximately 6m girth with a massively swollen base (8m wide). Hollow.





# BEARLEY



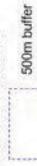
### Settlement Distinctiveness



### OS DEVELOPED LAND USE AREA

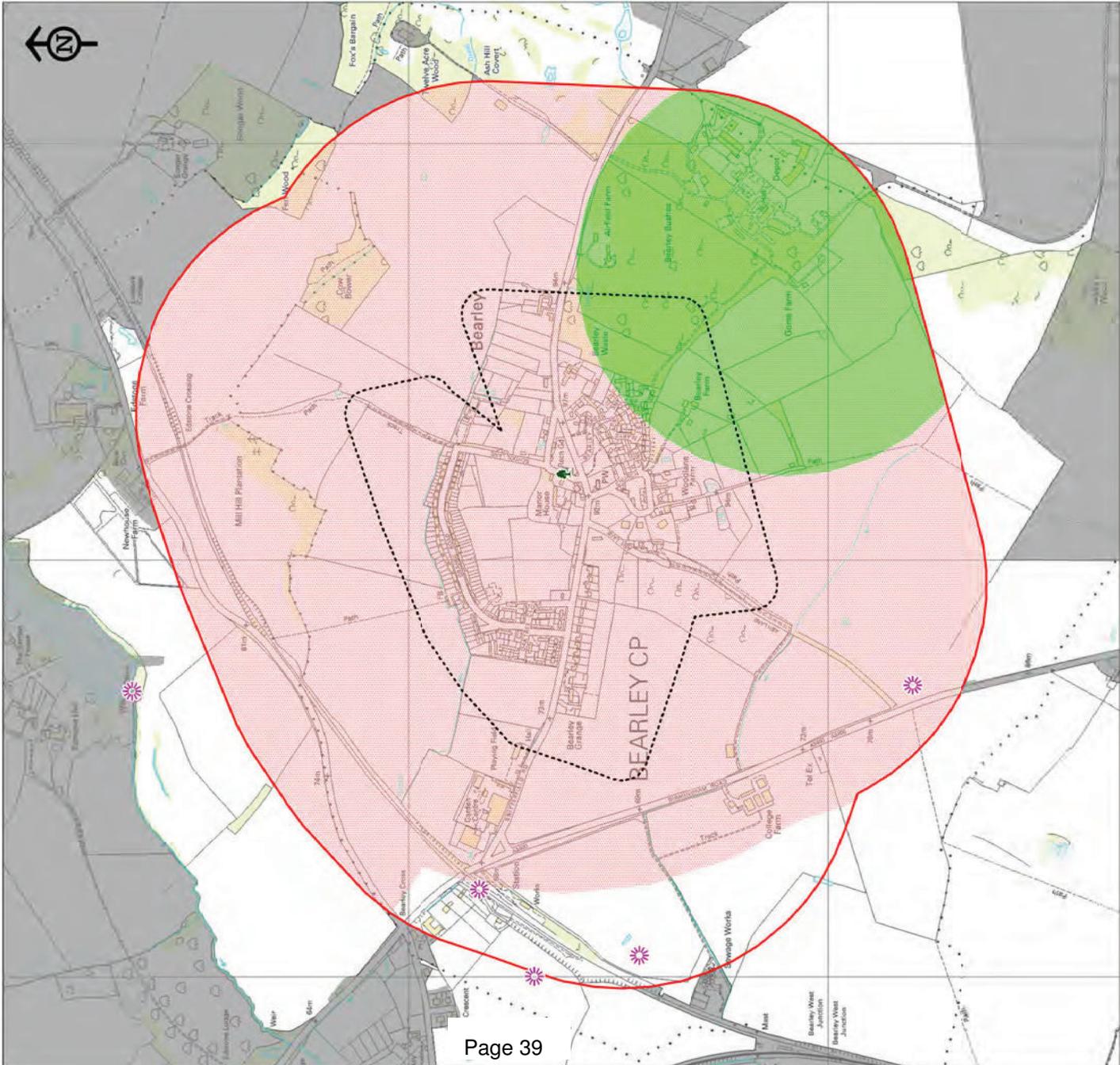


### STUDY AREA



© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards this project cannot guarantee its accuracy or accept liability for any changes to land use or habitat that may have occurred since the survey was undertaken.

# BEARLEY



## 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

STUDY AREA  500m buffer

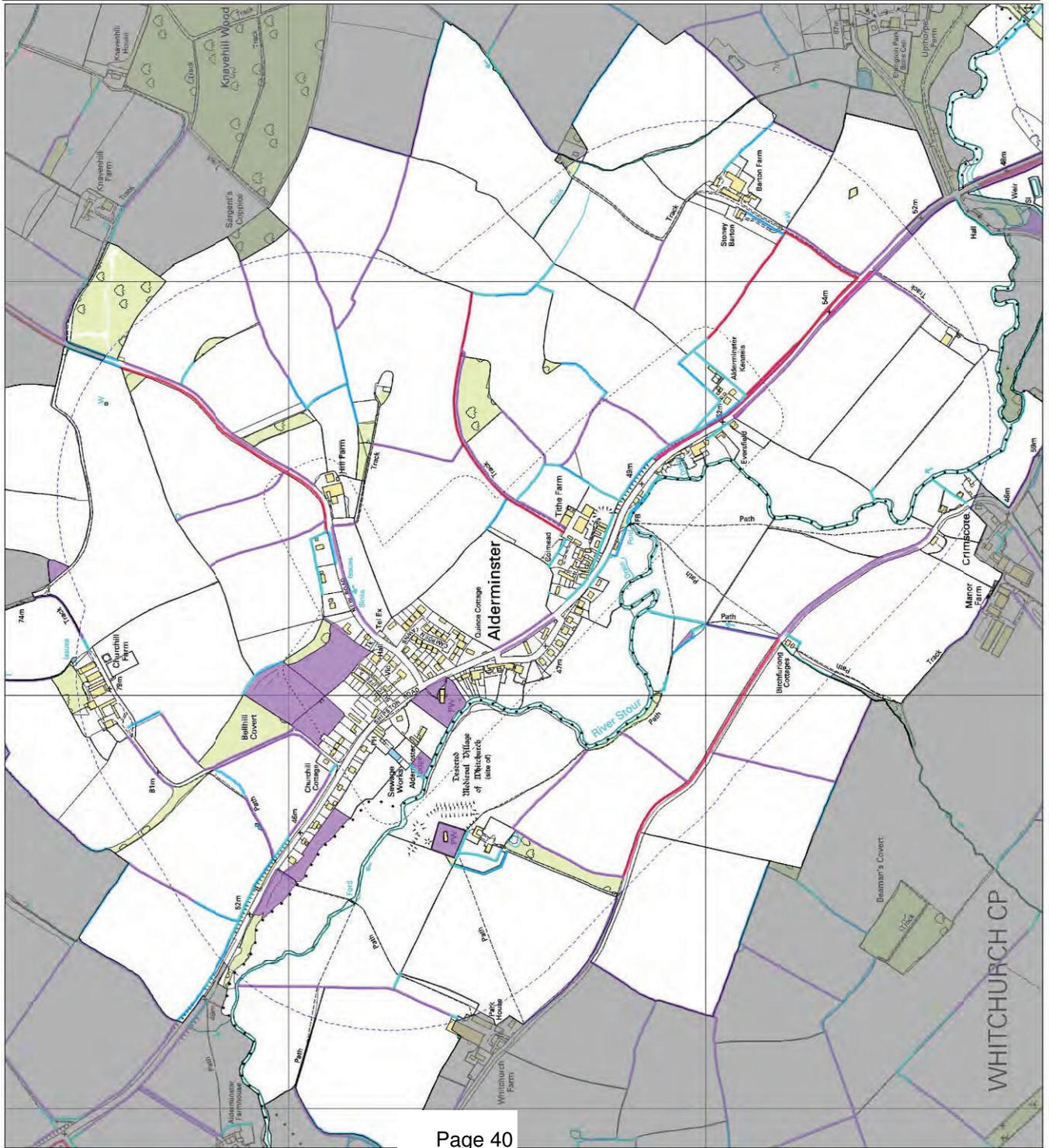
OS DEVELOPED LAND USE AREA  Settlements

Warwickshire Biological Records Centre

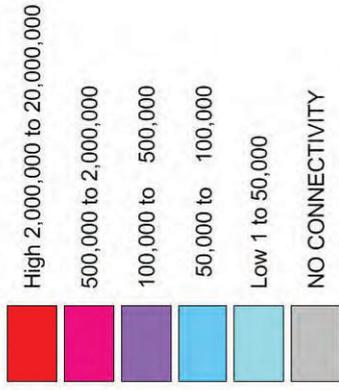




# BEARLEY



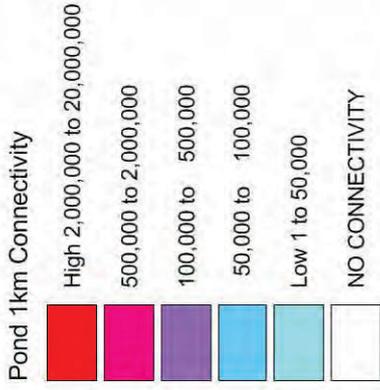
## Grassland 1km Connectivity





**HABITAT BIODIVERSITY AUDIT**  
 Warwickshire Historic and Natural Environment  
 Barrack Street  
 Warwick  
 CV34 4TH  
 Tel: 01926 412 197  
 Email: hba@warwickshire.gov.uk

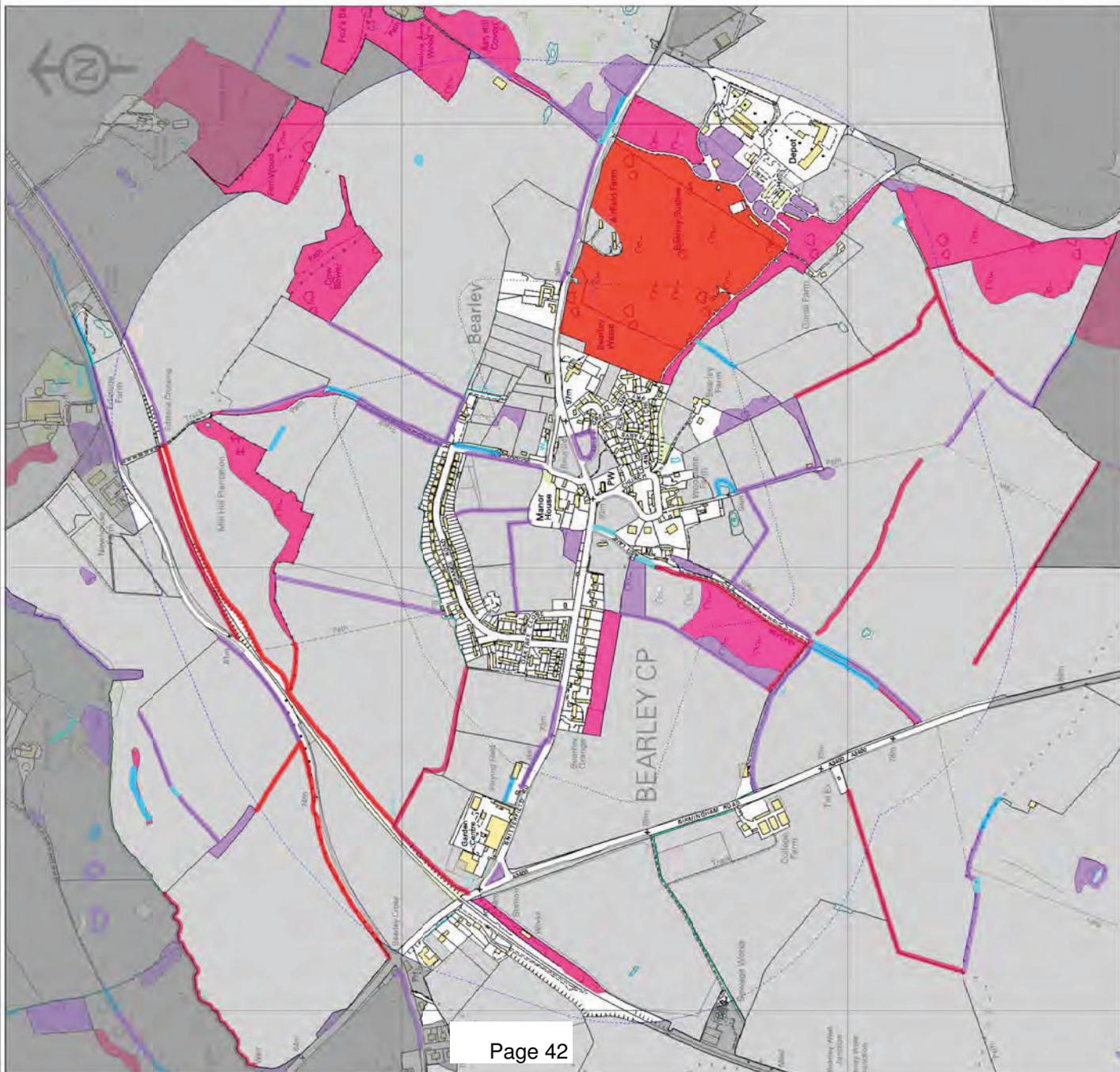
# BEARLEY



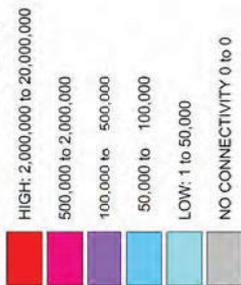
© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

PRINTED 02/07/2012

# BEARLEY



### Woodland 1km Connectivity



### OS DEVELOPED LAND USE AREA



© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Practice habitat survey standards the project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

## Stratford-on-Avon District Council

## Ecological and Geological Study of Local Service Villages

## Settlement Assessment: Bishop's Itchingdon

## Designated sites:

Status	Area in hectares	Grid ref.	Description
<b>SSSI</b>			
Harbury Quarries	2.89	SP3859	Limestone grassland
<b>LWS</b>			
SP35Z2 Bishop's Hill and Bishop's Bowl	75.55	SP3925	Semi-natural grassland & marsh
SP35Y5 Jock's Meadow	2.87	SP3965	Semi-natural grasslands & marsh
SP35Y7 Manor Farm Pastures	2.20	SP3865	Semi-natural grasslands & marsh
SP35Z2 Bishop's Hill and Bishop's Bowl	75.56	SP3925	Post-industrial sites
<b>potential site</b>			
SP35Y1 Cross Green Meadow and Verge	2.09	SP3875	Semi-natural grasslands & Marsh
SP35y14 Dadglow Farm Meadows	5.49	SP3957	Semi-natural grasslands & Marsh
<b>rejected</b>			
SP35Y6 Manor Farm Meadows Bishops	1.82	SP3875	Semi-natural grasslands & marsh

## Key Target Notes

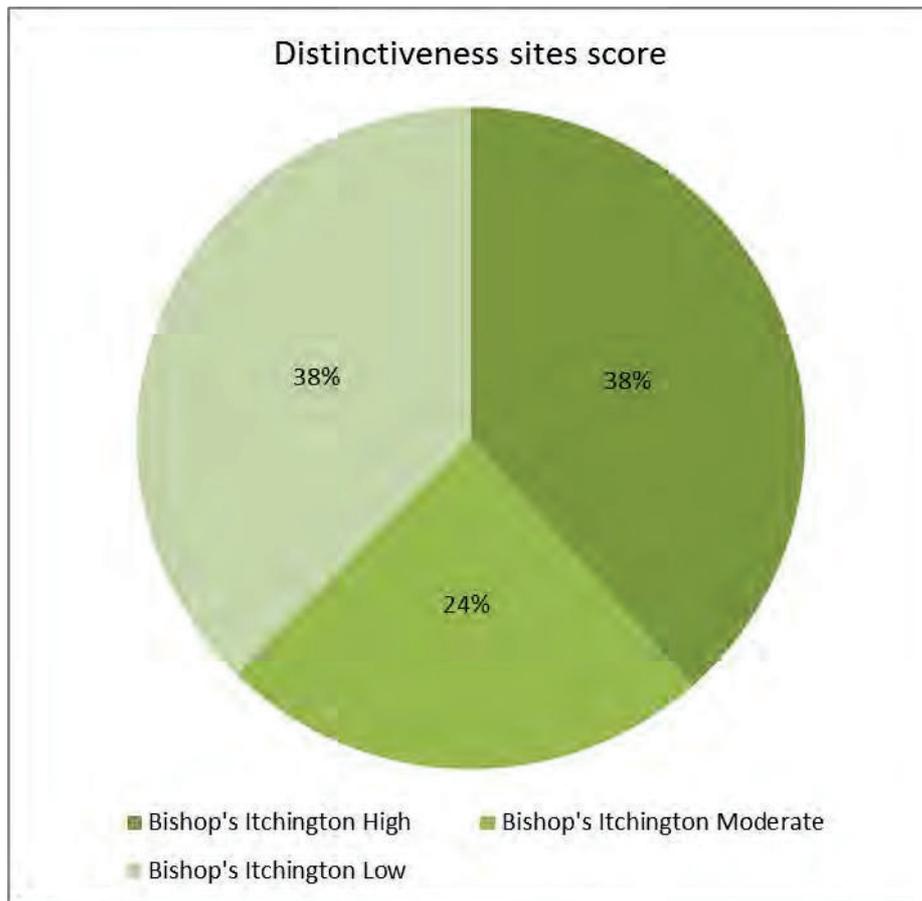
- SP35z24, SP35z20, SP35z19 – Bishop's Hill and Bishop's Bowl
- SP35z56 - Yellow Land Natural Heritage Project
- SP35y14 – semi-improved grassland at Dadglow Farm Meadows

## Habitat Description

All categories of grassland have been identified within the 500 metre buffer. The high distinctiveness grasslands include unimproved calcareous which is a rare habitat throughout the country the reason for the SSSI designation at Harbury Quarries. Also present is semi-improved grassland which is rare in Warwickshire. There are also a number of meadows already designated as local wildlife sites or potential sites in the area.

Other habitats of note are associated with the disused quarry workings which create mixed habitats consisting of scrub and grassland particularly around Bishop's Hill and Bishop's Bowl and Harbury Quarries SSSI

<b>Distinctiveness Phase 1 habitats</b>	<b>No. of sites</b>	<b>Area</b>	<b>Score</b>
<b>High</b>			
A111 Broad-leaved semi-natural woodland	5	2.55	15
B12 Semi-improved acidic grassland	2	0.28	2
B22 Semi-improved neutral grassland	4	2.44	12
B31 Unimproved calcareous grassland	1	10.66	3
B32 Semi-improved calcareous grassland	2	1.12	6
B5 Marsh/marshy grassland	3	1.77	9
F1 Swamp	3	0.11	9
G1 Standing water	8	0.81	24
G2 Running water	2	1.37	6
<b>Sub Total</b>	<b>30</b>	<b>21.12</b>	<b>86</b>
<b>Moderate</b>			
A112 Broad-leaved plantation	12	11.60	24
A21 Dense/continuous scrub	11	4.22	22
B6 Semi-improved neutral grassland	3	3.19	6
J113 Set-aside	2	0.17	2
<b>Sub Total</b>	<b>28</b>	<b>19.18</b>	<b>54</b>
<b>Low</b>			
B4 Improved grassland	39	80.65	39
C31 Tall ruderal	10	1.21	20
J11 Arable	18	120.70	18
J12 Amenity grassland	19	5.06	38
J13 Ephemeral/short perennial	1	1.18	2
J4 Bare ground	1	0.09	1
<b>Sub Total</b>	<b>88</b>	<b>208.88</b>	<b>118</b>
<b>Totals</b>	<b>146</b>	<b>249.18</b>	<b>258</b>



### **Geological Description**

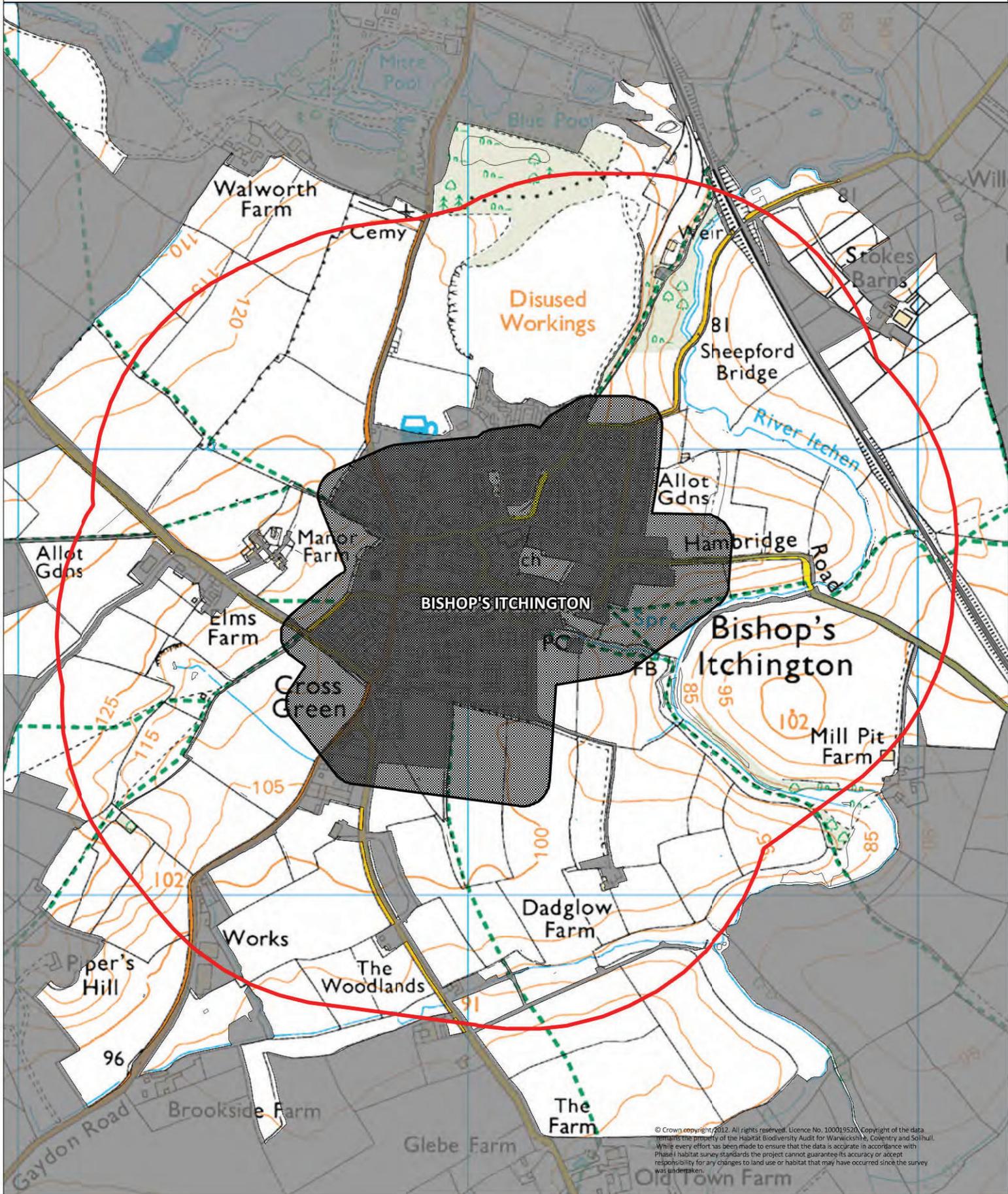
Bishops Itchington is sited in an area of potential interest for Triassic – early Jurassic bedrock, notably the Penarth Group and overlying basal Blue Lias Formation. Any excavations into natural geology would be of potential interest for purposes of recording and/or museum collecting.

### **Protected Species**

Common and soprano pipistrelle, brown long-eared and indeterminable bats, grass snake, great crested newt, plus butterfly species of small heath, small blue, grizzled skipper and dingy skipper have been recorded in the settlement area. In the wider area there are records of brown hare, badger, barn owl, water vole and otter that could use habitats within the settlement area. There are also records for rare plants including greater butterfly orchid, glaucous dog-rose and common spike-rush spp, in the wider surrounding area.

### **Recommendations for Further Survey**

None



© Crown copyright 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

3 SQKM

Settlements



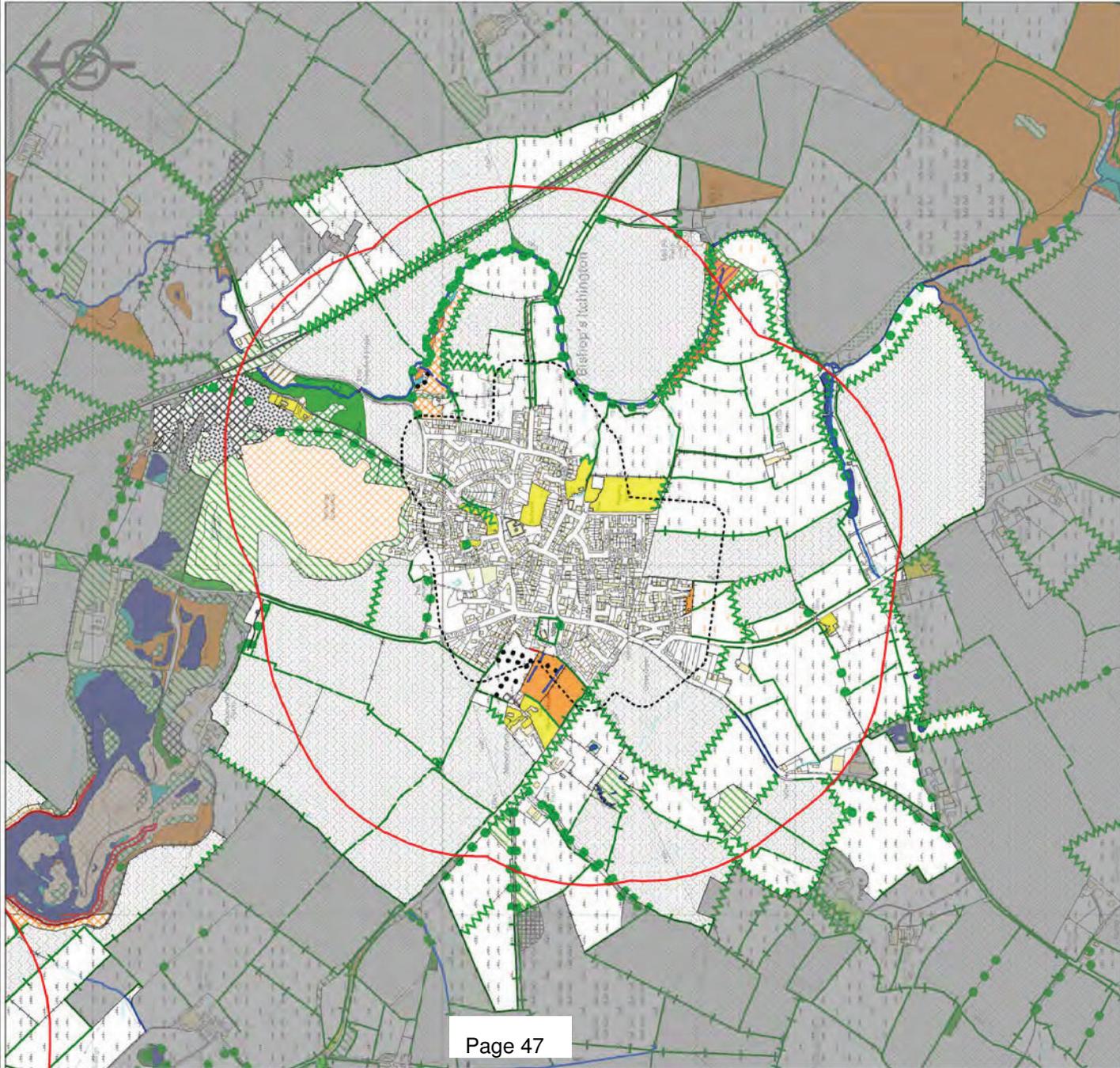
Settlements

500m Buffer



500m Buffer

# BISHOP'S ITCHINGTON



## PHASE 1 HABITAT SURVEY

Habitat Types

	A111 (Broad-leaved semi-natural woodland)
	A112 (Broad-leaved plantation)
	A121 (Coniferous semi-natural woodland)
	A122 (Coniferous plantation)
	A131 (Mixed semi-natural woodland)
	A132 (Mixed plantation)
	A21 (Dense/continuous scrub)
	A22 (Scattered scrub)
	A31 (Broad-leaved parkland/scattered trees)
	A32 (Coniferous parkland/scattered trees)
	A4 (Recently felled woodland)
	A5 (Orchard)
	B11 (Unimproved acidic grassland)
	B12 (Semi-improved acidic grassland)
	B21 (Unimproved neutral grassland)
	B22 (Semi-improved neutral grassland)
	B31 (Unimproved calcareous grassland)
	B32 (Semi-improved calcareous grassland)
	B4 (Improved grassland)
	B5 (Marsh/marshy grassland)
	B6 (Poor semi-improved grassland)
	C11 (Continuous bracken)
	C31 (Tall ruderal)

	C32 (Non-ruderal)
	D5 (Dry heath/acid grassland mosaic)
	E11 (Sphagnum Bog)
	E21 (Acid/neutral flush)
	E31 (Valley mire)
	E32 (Basin mire)
	F1 (Swamp)
	F22 (Inundation vegetation)
	G1 (Standing water)
	G2 (Running water)
	I21 (Quarry)
	I22 (Spill)
	I23 (Mire)
	I24 (Refuse tip)
	J11 (Arable)
	J112 (Allotments)
	J113 (Set-aside)
	J12 (Amenity grassland)
	J13 (Ephemeral/short perennial)
	J14 (Introduced shrub)
	J36 (Buildings)
	J4 (Bare ground)

Linear Features

	A21 (Linear Scrub)
	A3 (Linear Trees)
	G1 (Standing Water)
	G2 (Running Water)
	I1 (Inland Cliff)
	J21 (Intact Hedge)
	J211 (Native Species Rich Intact Hedge)
	J22 (Defunct Hedge)

	J23 (Hedge with Trees)
	J231 (Native Species Rich Hedge with Trees)
	J24 (Fence)
	J25 (Wall)
	J26 (Dry Ditch)
	J27 (Boundary Removed)
	J28 (Earth Bank)

STUDY AREA  
 500m buffer

OS DEVELOPED LAND USE AREA  
 Settlements

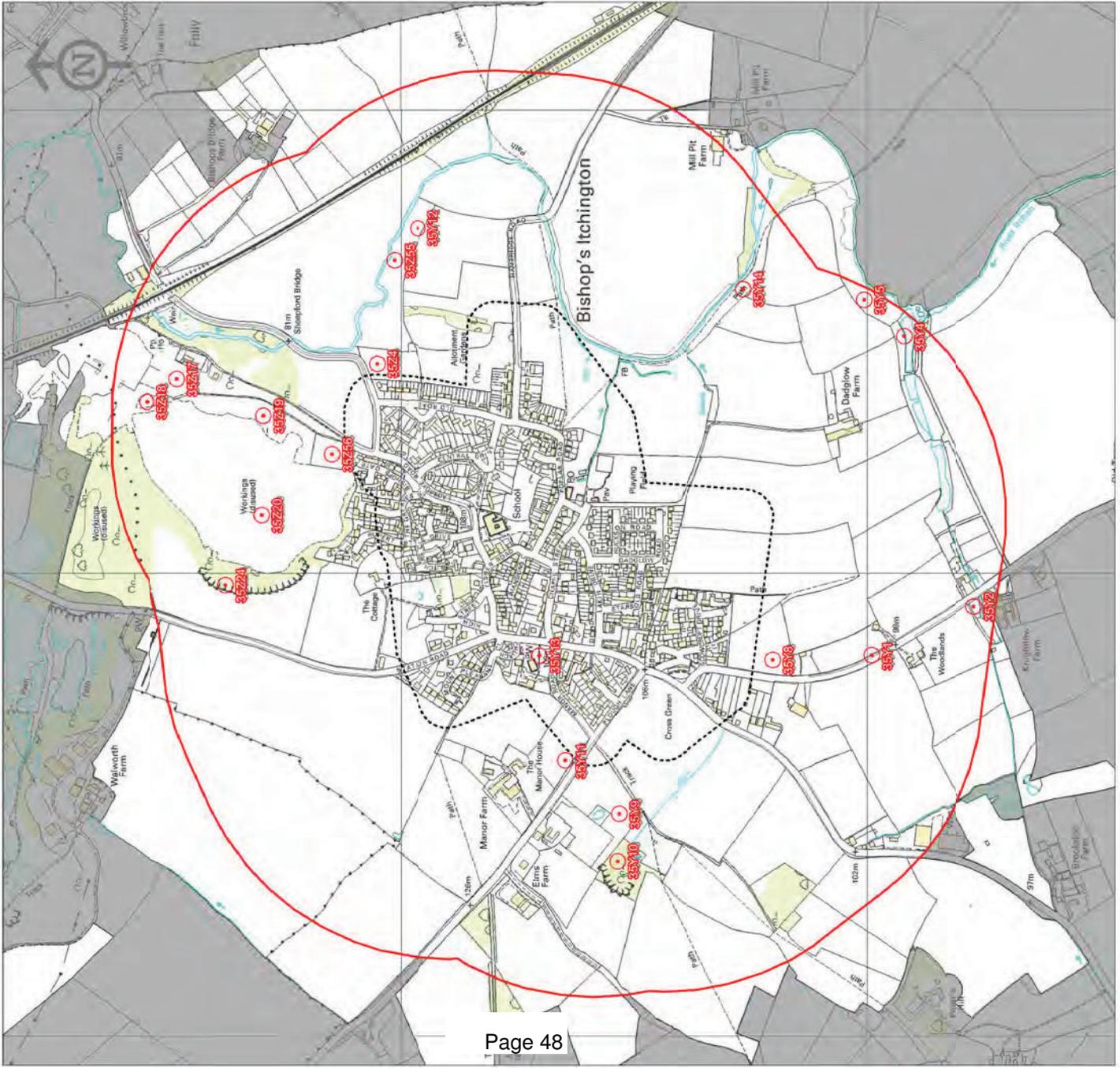
© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

# BISHOP'S ITCHINGTON

**TARGET NOTES**  
 Point

**OS DEVELOPED LAND USE AREA**  
 Settlements

**STUDY AREA**  
 500m buffer



© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Practice habitat survey standards the project cannot guarantee its accuracy or accept any liability for any changes to land use or habitat that may have occurred since the survey was undertaken.

## Bishop's Itchington

sp35y1	Road verge containing locally abundant <i>Festuca rubra</i> ; <i>Agrostis capillaris</i> ; <i>Arrhenatherum elatius</i> ; <i>Dactylis glomerata</i> with patches of cowslip; lesser knapweed; nettle; ground ivy; hogweed; ribwort plantain; bird's foot trefoil; common vetch and creeping cinquefoil. UPDATED 06/05/2012 MF. Verge remains as described with additional species of red cleavers, ox-eye daisy, meadow vetchling, agrimony, St. John's wort, ladies bedstraw, greater plantain.
sp35y10	Old flooded quarry which has recently been part deepened and extended. Contains locally dominated by <i>Carex riparia</i> which now also occurs on the banks (as a result of dredging) with locally abundant <i>Potamogeton natans</i> ; watercress; water plantain; <i>Juncus acutiflorus</i> and <i>Equisetum palustris</i> . The surrounding area is neglected grassland with encroaching hawthorn; blackthorn and bramble scrub. The area has recently been planted with alder and ash. UPDATED 14/07/2011 ER. No access. Green woodpecker seen. UPDATED 06/05/2012 MF. Area is fenced off. Ash plantation with hawthorn, elder, and bramble ground flora dominated by grasses, nettle, cleavers and creeping thistle. Pools have very steep sides - emergent vegetation, bull rush. There is an older plantation of field maple and occasional horse chestnut to the west of the site.
sp35y11	Steep mown bank locally dominated by mouse ear hawkweed with abundant <i>Agrostis capillaris</i> ; <i>Festuca rubra</i> ; ribwort plantain and including locally frequent lesser knapweed; <i>Luzula campestris</i> ; yarrow; pignut; <i>Taraxicum sp.</i> daisy; bird's foot trefoil; meadow vetchling and cat's ear. UPDATED 14/07/2011 ER. Unsuited for an in depth survey due to presence of livestock, field looks damaged due to poaching and heavy grazing. UPDATED 06/05/2012 MF. Dominant grass is meadow foxtail, however there are a few forbs excepting common sorrel, creeping buttercup and patches of nettle. The adjacent meadow is horse grazed and is in a similar poor condition but unable to access to do full assessment.
sp35y12	Rich but largely unmanaged marshy and semi-improved grassland locally dominated by meadowsweet and creeping buttercup with locally abundant lesser knapweed; <i>Juncus inflexus</i> ; <i>Carex flacca</i> ; <i>Juncus articulatus</i> ; <i>Carex nigra</i> ; waterfigwort; lesser celandine; dock; <i>Carex otrubae</i> ; locally abundant silverweed; hogweed; patches of cowslip; <i>Juncus acutiflorus</i> ; brooklime; water mint; yellow iris; marsh marigold; lesser spearwort near the river with meadow vetchling; meadow buttercup and wild angelica. The drier grassland contains extensive but locally abundant salad burnet; selfheal; <i>Festuca rubra</i> ; <i>Agrostis capillaris</i> ; sorrel and hedge woundwort. Hawthorn and willow encroachment noted. UPDATED 06/05/2012 MF. Scrub in area has been recently cleared. Viewed from neighbouring field and appears to be rank grassland dominated by nettle and dock with very occasional marshy patches.
SP35Y13	Two veteran lime trees and two mature sycamore trees.
SP35Y14	Area of marshy grassland subject to recent flooding. Dominant grasses are reed, sweet grass, cocks foot and tufted hair grass. Frequent mint meadow, sweet and wild angelica. Bounded by hawthorn and blackthorn scrub with occasional mature oak and willow.
sp35y2	Small poor semi-improved grassland containing a small stream and including lesser celandine; <i>Taraxicum sp.</i> bulbous buttercup; cowslip; lesser knapweed; ribwort plantain; daisy; meadowsweet and teasel with <i>Juncus effusus</i> ; fool's watercress and <i>Glyceria fluitans</i> in the stream. Meadow now heavily grazed and unable to identify species previously recorded. Has characteristics of improved grassland.
sp35y4	Poor semi-improved grassland containing abundant lesser celandine. UPDATED 06/05/2012 MF. Unable to access area. No footpaths.



sp35y5	Poor semi-improved grassland which is neglected and locally dominated by <i>Elytrigia repens</i> ; banks of thistle and dock with <i>Phleum pratense</i> ; <i>Dactylis glomerata</i> ; locally abundant lesser celandine; <i>Deschampsia cespitosa</i> ; <i>Taraxicum</i> sp. ground ivy; hemlock with some extensive patches of creeping cinquefoil with some salad burnet and cowslip. UPDATED 06/05/2012 MF. Poor semi-improved grassland with occasional cowslip, meadow sweet, cuckoo flower, abundant wild carrot on the drier south facing slope. Grasses include meadow foxtail, cocks foot, tufted hair grass. Salad burnet not found.
sp35y8	Semi-improved grassland containing creeping; bulbous and meadow buttercup; <i>Taraxicum</i> sp. daisy and some extensive area of cowslip. Cattle grazing is preventing cowslip and others from flowering. UPDATED 06/05/2012 MF. Unable to access. Horse grazed ridge and furrow meadow. Viewed from side of fence on housing estate only daisy and creeping buttercup visible at time of survey. Area of grass to north of fence near estate has cowslip, knapweed, ox-eye daisy and ladies bedstraw.
sp35y9	Poor semi-improved to improved grassland over ridge and furrow. Dominated by <i>Cynosurus cristatus</i> with <i>Holcus lanatus</i> ; <i>Agrostis capillaris</i> ; frequent lesser celandine; daisy; red clover and patches of nettle. UPDATED 14/07/2011 ER. As described. UPDATED 06/05/2012 MF. Improved grassland patches of nettle and creeping thistle. No forbs of note.
sp35z17	Area off dense hawthorn scrub along disused railway mineral line. [Scrub has largely taken over. Difficult to see any of the following from the previous note - PD]. The ground flora is dominated by <i>Festuca rubra</i> in the more open areas with common spotted orchid and bee orchid with mouse ear hawkweed, lesser knapweed, bramble, ivy, yarrow, common twayblade and locally dominant bryophyte. Area contains toad. UPDATED 12/05/2012 MF. Area is largely occupied by concrete tracks/bases and quarry spoil heaps. The disused railway track is bounded by hawthorn scrub and a line of planted poplars, but sycamore and ash are also establishing. There is more bare ground in this area but common spotted orchid, St. John's wort, rosebay willowherb, common comfrey all present.
sp35z18	Small area of grassland now enclosed by young scrub. Contains wild carrot; wild parsnip; <i>Dactylis glomerata</i> ; <i>Festuca rubra</i> ; <i>Agrostis capillaris</i> ; lesser knapweed; ground ivy; fairy flax; ribwort plantain; creeping cinquefoil; common vetch; common centuary; ragwort; red clover and germander speedwell. UPDATED 12/05/2012 MF. Area of blackthorn and hawthorn scrub with occasional ash and sycamore has established on the concrete bases/tracks which dominate much of this area. The ground is dominated by sphangum spp, however forbs include dog violet, wild strawberry, St. John's wort, wild thyme, and stonecrop spp. Honeysuckle and lilac have also established and there are two large horse chestnut trees and three pine trees.
sp35z19	Fairly open hawthorn scrub with rose, bramble, ash and apple. [Scrub has largely taken over. Difficult to see any of the following from the previous note - PD]. The ground flora includes mouse ear hawkweed, lesser knapweed, <i>Festuca rubra</i> , cat's ear, yarrow, <i>Poa trivialis</i> , perforate St John's wort, creeping cinquefoil, meadow vetchling, teasel, fairy flax, bulbous buttercup, <i>Carex flacca</i> , common spotted orchid, ribwort plantain, greater knapweed, <i>Brachypodium sylvaticum</i> and locally abundant ivy within the more shaded areas. UPDATED 12/05/2012 MF. Patchy hawthorn scrub, more dense to the north. Area regularly used by dog walkers. There is a lot of exposed thin calcareous soil.
sp35z20	Poor soil and easy drainage makes this a very arid area with very little grass. However; the area remains quite rich and contains lesser knapweed; ribwort plantain; ox-eye daisy; cat's ear; wild carrot; bird's foot trefoil; cowslip; common centaury; ragwort; dog rose; thistle; <i>Cynosurus cristatus</i> and locally dominated by salad burnet. UPDATED 12/05/2012 MF. Soil remains thin and poor. However, chalk false broom and red fescue grasses have established. Cowslip, salad burnet and kidney vetch were abundant at time of visit. Hawthorn is beginning to establish. The area marked as SSSI on the west of the site is dominated by ash and sycamore with occasional alder, hawthorn and goats willow. Common spotted orchid found on the slope leading down to this area. Further north silver birch has established. Small blue butterfly seen.



## Target Notes

sp35z24	Poplar and ash plantation on the edge of very steep slope leading down to disused quarry. There are mature hawthorn and occasional horse chestnut. Ground flora is sparse but includes nettle and cow parsley.
sp35z4	Semi-improved grassland containing daisy; selfheal; red clover; ribwortplantain; lesser knapweed; cat's ear; bulbous and meadow buttercup and bird'sfoot trefoil. Heavily horse grazed and therefore difficult to assess fully. UPDATED 12/05/2012 MF. Meadow less heavily grazed than previously recorded. Additional species of cowslip, black meddick, vetch spp.
sp35z55	Much of the scrub and crack willow along the banks of the river Itchen at this point have been removed. The banks are dominated by dock, nettle, rosebay willowherb, garlic mustard, mint and occasional reed sweet grass.
SP35Z56	Yellow Land Natural Heritage Project. Small community green space looked after by the friends of the Yellow Land and Bishop's Itchington Parish council. Area managed specifically for wildlife rich flora, including cowslip, ribwort plantain, vetch spp, knapweed spp, scabous spp, salad burnet, agrimony, ox - eye daisy, kidney vetch, wild majoram, meadow vetchling. There is patchy hawthorn and blackthorn scrub (sometimes dense), with dogsrose and occasional bramble and ash. Good for birds and butterflies. This calcareous soil underlain by blue lias (limestone and shale) is occasionally exposed. Grasses include chalk false broom. Common spotted orchids found at north of site.



# BISHOP'S ITCHINGTON



## SITES OF SPECIAL SCIENTIFIC INTEREST



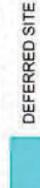
SSSI

## ANCIENT WOODLAND

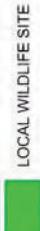


Ancient Woodland

## LOCAL WILDLIFE SITES



DEFERRED SITE



LOCAL WILDLIFE SITE



POTENTIAL LOCAL WILDLIFE SITE

## LOCAL NATURE RESERVE



LNR

## WARWICKSHIRE WILDLIFE TRUST RESERVES



WWT Reserve

## OS DEVELOPED LAND USE AREA



Settlements

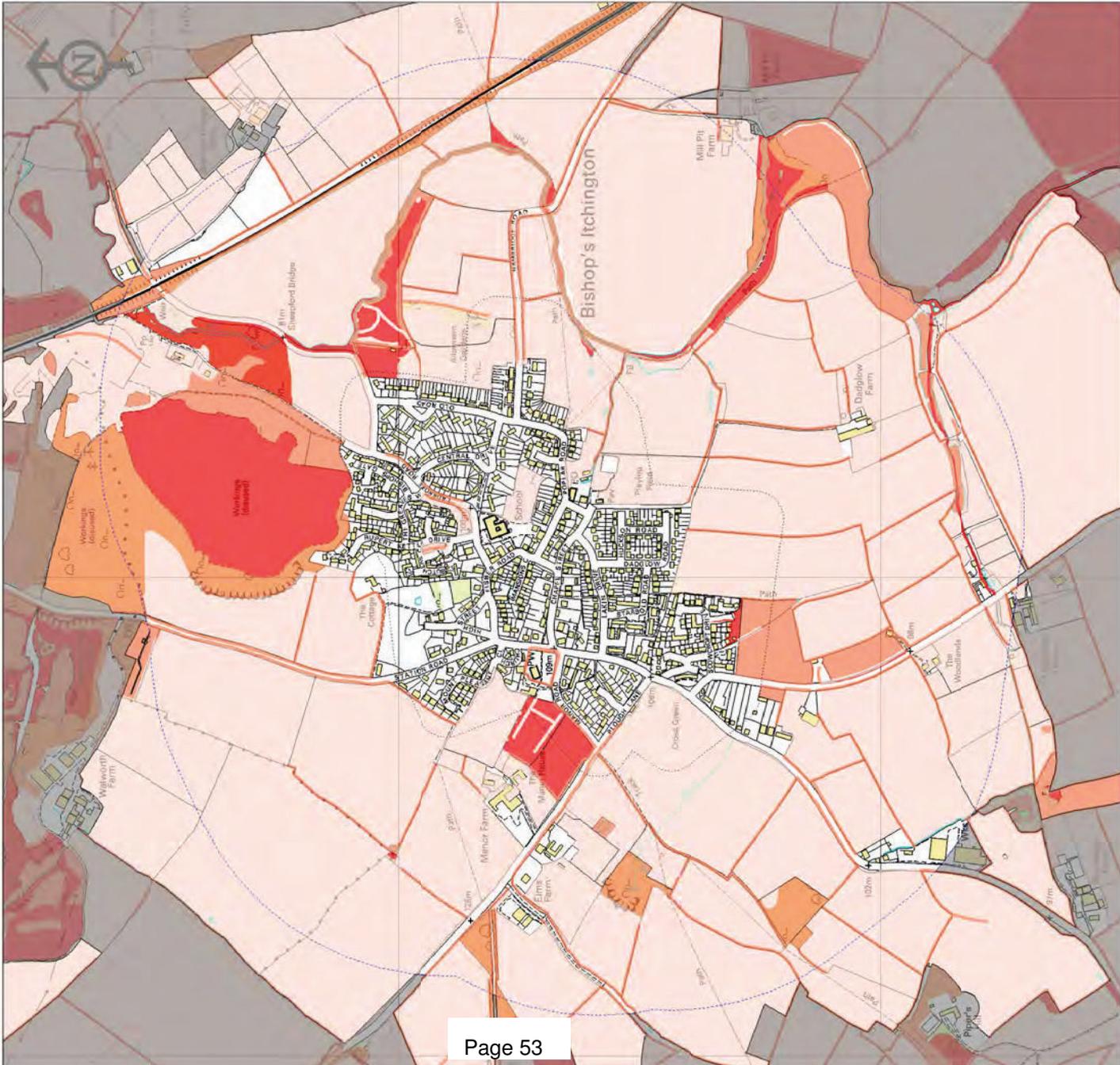


STUDY AREA

500m buffer

© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Practice Habitat survey standards this project cannot guarantee its accuracy or accept any changes to land use or habitat that may have occurred since the survey was undertaken.

# BISHOP'S ITCHINGTON



## Settlement Distinctiveness

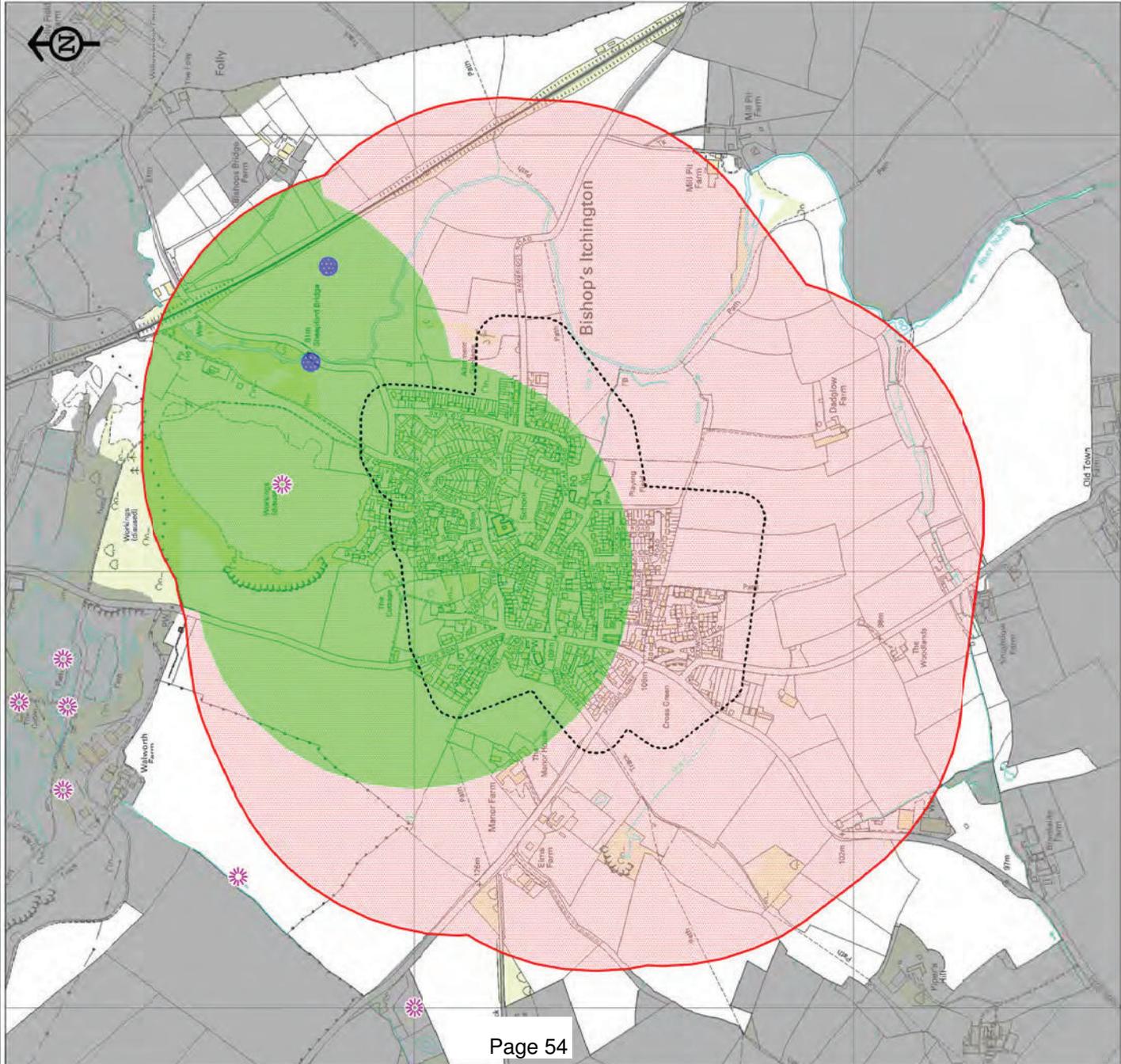


## OS DEVELOPED LAND USE AREA



© Crown copyright, 2012. All rights reserved. Licence No. 1000192520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Ordnance Survey standards the project cannot guarantee its accuracy or accept any liability for any changes to land use or habitat that may have occurred since the survey was undertaken.

# BISHOP'S ITCHINGTON



## 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

STUDY AREA



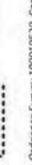
OS DEVELOPED LAND USE AREA



500m buffer



Settlements



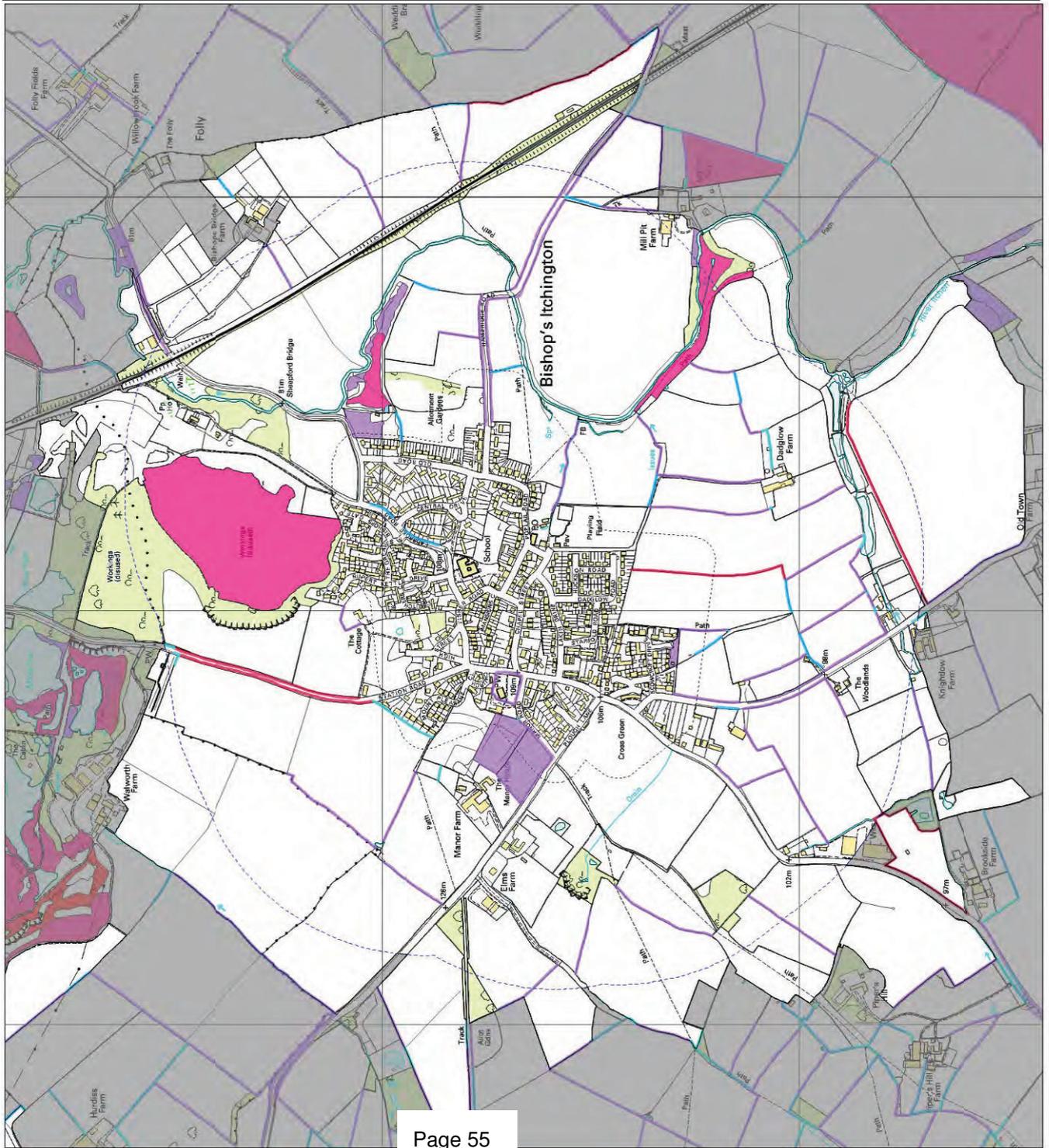
Warwickshire Biological Records Centre



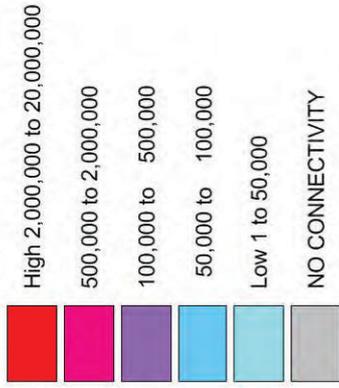


HABITAT BIODIVERSITY AUDIT  
Warwickshire Historic and Natural Environment  
Barrack Street  
Warwick  
CV34 4TH  
Tel: 01926 412 197  
Email: hba@warwickshire.gov.uk

# BISHOP'S ITCHINGDON



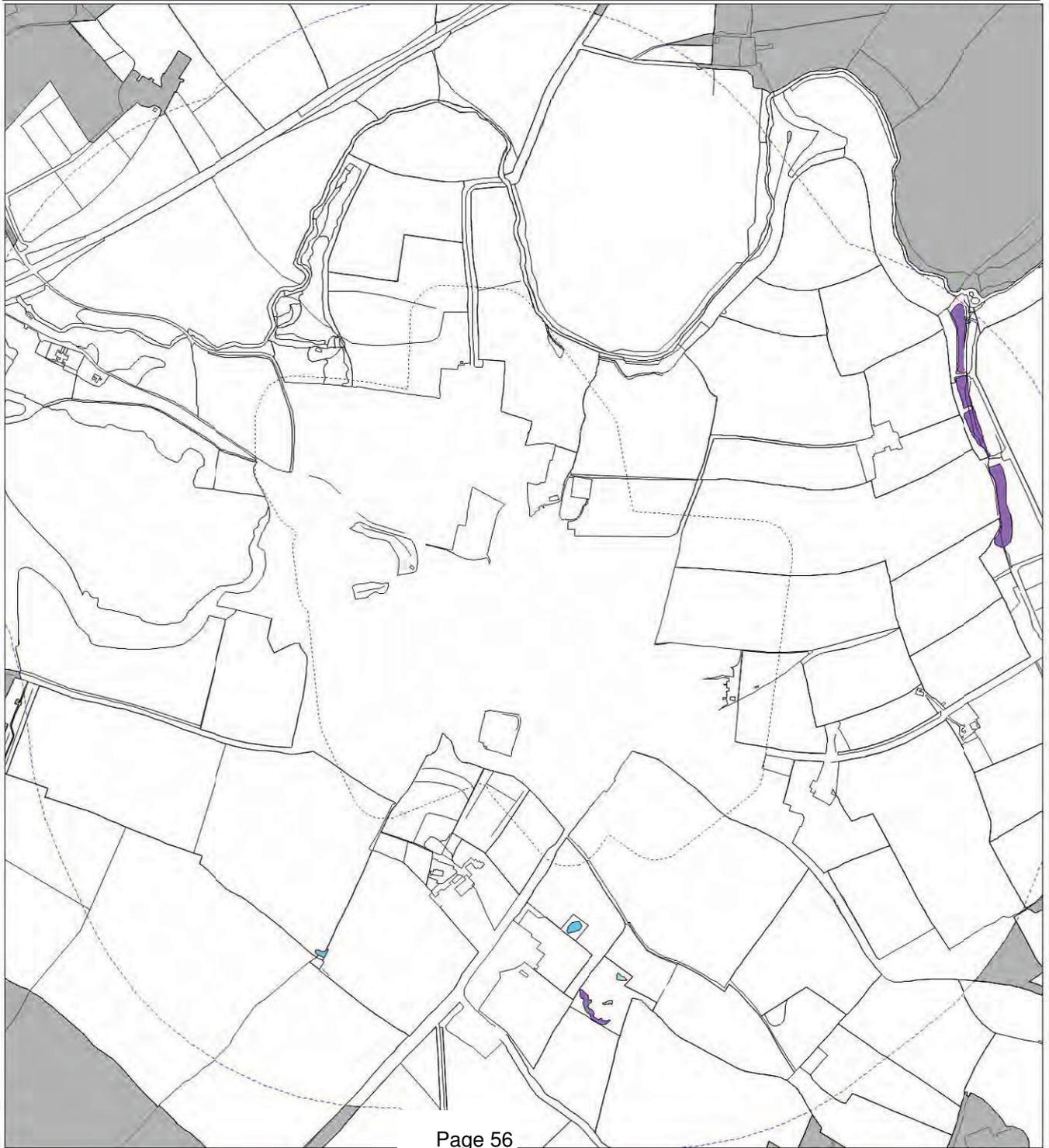
## Grassland 1km Connectivity



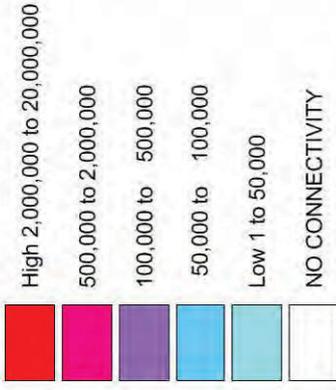
© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.



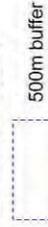
# BISHOP'S ITCHINGTON



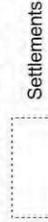
## Pond 1km Connectivity



## STUDY AREA

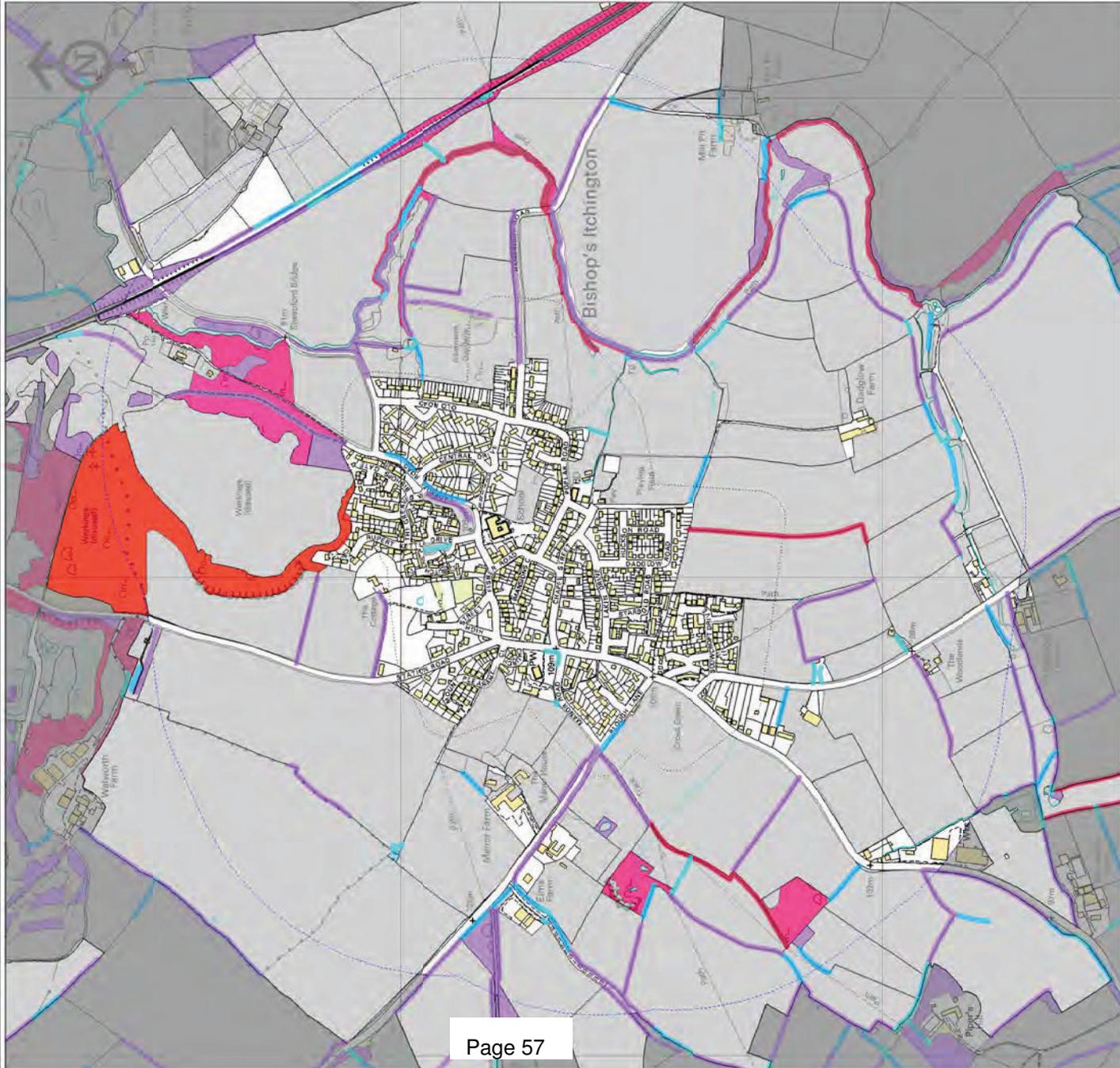


## OS DEVELOPED LAND USE AREA



© Crown copyright, 2012. All rights reserved. Licence No. 100019520. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept responsibility for any changes to land use or habitat that may have occurred since the survey was undertaken.

# BISHOP'S ITCHINGTON



© Crown copyright, 2012. All rights reserved. Licence No. 100019220. Copyright of the data remains the property of the Habitat Biodiversity Audit for Warwickshire, Coventry and Solihull. While every effort has been made to ensure that the data is accurate in accordance with Phase 1 habitat survey standards the project cannot guarantee its accuracy or accept any liability for any changes to land use or habitat that may have occurred since the survey was undertaken.